

INTEGRATED CIRCUIT DISCONTINUED DEVICES D.A.T.A.BOOK®

Edition 10
28,419 Types Obsolete Since 1965

Obsolete July 31, 1981
181 Manufacturers

D.A.T.A., Inc.

A Cordura Company

10062 Willow Creek

P.O. Box 26875

San Diego, California 92126

Tel.: (714) 578-7600

PUBLISHER

Allen Greer, *Vice President*

Kathy Olive, *Staff Coordinator*

EDITORIAL

Frank B. Wahl Jr., *Technical Director
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CUSTOMER SERVICE

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ADVERTISING SALES

Home Office: Heidi Larson
(714) 578-7600

Western Region: George O'Callaghan Co.
(415) 327-4100 616 Ramona Street, No. 20
Palo Alto, CA 94301

Eastern Region: Geraldine Purdy
(201) 232-5850 P.O. Box 819
Westfield, NJ 07091

D.A.T.A., Inc. is a subsidiary of CORDURA PUBLICATIONS, INC., 2251 San Diego Ave., Suite A216 San Diego CA 92110
President — Cal Kobrin
Executive Vice President — Richard Harris
Vice President and Publisher — Allen Greer
Vice President, Finance — John Opelt
Vice President, Operations — Malcolm Ferrier
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INTEGRATED CIRCUIT DISCONTINUED DEVICE Edition is published in July by Derivation Tabulation Associates, Inc., A Cordura Company.

Subscription Rates: Current prices on Order Card.

Change of Address: When sending change of address, please include old address; preferably the label from the latest edition..

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TABLE OF CONTENTS

HOW-TO-USE INFORMATION

How To Make Maximum Use Of This D.A.T.A.BOOK

1 — DIGITAL

INTERPRETER: SYMBOLS & CODES EXPLAINED	1-1
TYPE NO. CROSS INDEX	
1. All Types	2
TECHNICAL SECTIONS	
Basic Logic	
2. Diode Arrays/Matrixes	32
3. Transistor Arrays	33
4. Binary/Flip-Flops	34
5. Gates	64
6. Decoders	139
Timing	
10. Time Delays	146
11. Counters	152
12. Clocks/Multivibrators	164
13. Frequency Dividers	167
Computational	
15. Adders	168
16. Multipliers	169
17. Magnitude Comparators	170
18. Arithmetic Logic Units	171
19. Look-Ahead Carry Generators	172
Checking And Control	
25. Parity Generators/Checkers	173
26. Latches	174
Special Devices	
27. Drivers/Pre-drivers/Scalers; Digital Clocks	176

2 — LINEAR

INTERPRETER: SYMBOLS & CODES EXPLAINED	2-1
TYPE NO. CROSS INDEX	
2. All Types	4
TECHNICAL SECTIONS	
3. Operational Amplifiers	21
4. Differential Amplifiers	54
5. Audio Amplifiers	56
6. RF/IF Amplifiers	59
7. Wideband Amplifiers	61
8. Voltage Regulators	63
9. Voltage Comparators	74
10. Special Functions	78
11. Power Supplies	84
12. Miscellaneous	95

CONTINUED NEXT PAGE

**INTEGRATED CIRCUIT DISCONTINUED DEVICES D.A.T.A.BOOK
TABLE OF CONTENTS (Cont'd)**

28,419 Types Obsolete Since 1965

181 Manufacturers

3 – INTERFACE

INTERPRETER: SYMBOLS & CODES EXPLAINED	3-1
TYPE NO. CROSS INDEX	
1. All Types	2
TECHNICAL SECTIONS	
Drivers	
2. Logic Buffers/Drivers.....	8
3. Line Drivers/Transmitters	11
4. Memory/Clock Drivers	12
5. Peripheral/Power Drivers	13
6. Display Drivers	14
7. Switch Drivers	16
Converters	
10. A/D Converters	17
11. D/A Converters	21
12. Logic Level Converters/Level Translators	25
Switches	
15. Analog Gate Switches: Bilateral, Multiple	26
16. Analog Multiplexers.....	28
17. Digital Multiplexers/Selectors	29
18. Digital Demultiplexers/Decoders	32
Receivers/Sensors	
20. Line Receivers	33
21. Line Transceivers	34
22. Sense Amplifiers	35
23. Sample/Hold	37
24. Schmitt Triggers	38
Special Devices	
25. UARTS, Priority Encoders, Data Acquisition Systems	39

4 – MEMORY

INTERPRETER: SYMBOLS & CODES EXPLAINED	4-1
TYPE NO. CROSS INDEX	
1. All Types	2
TECHNICAL SECTIONS	
2. Read-Write Memories (RAMs)	13
3. Read-Only Memories (ROMs)	32
4. Character Generators	45
5. Content Addressable Memories (CAMs).....	47
6. Code Converters	48
7. Shift Registers (Discontinued from 1971)	50
20. Special Memory Devices	65

MANUFACTURERS CODES, NAMES & ADDRESSES.....	5-1 5-4
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HOW TO MAKE MAXIMUM USE OF THIS D.A.T.A.BOOK

To make maximum use of this D.A.T.A.BOOK, select the particular known-unknown situation below that defines your problem, and follow the instructions as indicated.

NOTES: This book is separated into four parts: Digital (Part 1), Linear (Part 2), Interface (Part 3), and Memory (Part 4); each with its own Type Number Cross Index, technical sections and Symbols and Codes Interpreter. With the exception of a common list of Manufacturers Codes, Names and Addresses in the back of the book, each part should be treated as a separate entity. As such, the guidelines given below apply to each part individually.

1	<p>KNOWN: Type Numbers (SN7490; MC942F) UNKNOWN: Manufacturer(s), Address(es)</p> <p>a. Turn to Type Number Cross Index in applicable part of book; Digital (Part 1), Linear (Part 2), Memory (Part 4), or Interface (Part 3). See Table of Contents, and locate the subject type number. b. Note the 3- or 4-letter Manufacturer Code, e.g., TII, MOTA, alongside the type number. c. Use the list of Manufacturers Codes, Names and Addresses in back of the book to identify the manufacturer.</p>
2	<p>KNOWN: Type Number (A215, Op. Amp.) UNKNOWN: Its Electrical Characteristics</p> <p>a. Turn to the applicable Type Number Cross Index (Part 2), and locate the subject type number. b. Note the page and line number, e.g., 19-90 (Part 2), alongside the type number. c. Locate the type number as noted, in the technical section.</p>
3	<p>KNOWN: Type Number UNKNOWN: Current Equivalents or Similar Types</p> <p>a. Turn to the applicable Type Number Cross Index and locate the subject type number. b. Observe whether the subject type has been replaced by another type, and whether the replacement type is itself current (cur) or obsolete (obs). c. If the replacement type is obsolete, look for it in the Type Number Cross Index of this book; if current, in the Type Number Cross Index of the current Digital, Linear, Interface, or Memory D.A.T.A.BOOK as applicable. d. If the replacement type is obsolete, look for it in the Type Number Cross Index of this book; if current, in the Type Number Cross Index of the current Digital, Linear, Interface, or Memory D.A.T.A.BOOK, as applicable.</p>

1 – DIGITAL DISCONTINUED DEVICES

HOW TYPE NUMBERS ARE SEQUENCED IN THE TYPE NO. CROSS INDEX

Sequencing of type numbers in the Type Number Cross-Index is governed by the following rules:	EXAMPLES
Rules: 1) Type numbers are listed in numeric-alphabetic sequence; i.e., type numbers beginning with a number (decimal, fraction, or whole) precede type numbers beginning with a letter.	13A01 143 1202 A147 AN127 B2000
2) Decimals and fractions precede whole numbers. An equivalent decimal precedes the fraction when the remainder of type number is identical.	25Z150 1/4Z150 3/4M12Z 1T3
3) Zeros are ignored in sequencing except when the zero is the only basis for distinguishing one type number from another. In this case the type number containing the zero is listed first.	0112 112 0113 00115 AP01 AP1 AP02
4) Number and/or letter groupings preceding hyphens or slashes are the controlling factors in sequencing. The hyphens and slashes themselves precede any identically positioned letters also having the same beginning number/letter groupings.	66-0706 66M1 70/10 70A9
5) Military prefix (JAN) is ignored in the numeric-alphabetic sequencing of type numbers. A military type number directly follows its equivalent JEDEC type number.	8798 JAN8798

HOW TYPE NUMBERS ARE ARRANGED IN THE TECHNICAL SECTIONS – SEQUENCING PARAMETERS

The arrangement of types in the technical sections is keyed to a set of special characteristics selected for their importance from among the general group of characteristics tabulated in each section. These selected characteristics, or sequencing parameters, differ from one section to another, and are identified at the top corner of each page, as shown in the sample below.

MAJOR CHARACTERISTICS										SEQUENCING PARAMETERS									
LINE No.	TYPE No.	TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL	TYPE	FAN IN	OUT MAX.	POWER SUPPLY SPAN	PROPAGATION DELAY	RISE TIME	FALL TIME	TOTAL PKG. DISS.	MAX. NOISE REJECT	TEMP.	CKT PER MOD	DRAWINGS	OUTLINE	
6		1			3	4			NEG. POS.	(s)	tr	tf	(W)	(V)	°C °C		LOGIC DWG. No	OUTLINE DWG. No	
										5. GATES IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE (3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No									

The different types within a section are first arranged in ascending numeric (or alphabetic) order of the first such parameter. Groups of types having a common value for the first parameter are then arranged in ascending order of the second parameter. This process continues for each parameter in turn, up to and including the last parameter which, in every instance, is the type number itself. The final arrangement, by type number, is done in accordance with the sequencing of type numbers in the cross-index.

INTERPRETER SYMBOLS & CODES EXPLAINED

IN TYPE No. CROSS INDEX & TECHNICAL SECTIONS

Δ } Indicators of separate manufacturers producing same type number (non-JEDEC) whose characteristics are not the same. This manufacturer—identifying
 $\#$ } symbol (assigned by D.A.T.A.) is an integral part of the type number (in Type No. Cross Index, Technical Data Sections) to avoid the possibility of con-
 \square } fusing the device of one manufacturer with the devices of the others. **Example . . .**

(Simulated Information)

Type No.

Manufacturer

Description

-RT ... Suffix indicates device is a replacement type.
 Consult manufacturer for more information.

DD31 Δ

CER

Flip-Flops

DD31 $\#$

FSC

Decoders

DD31 \square

RCA

Gates

$\#$ 1, $\#$ 2, ... The modifier is designated by D.A.T.A. to distinguish between type no. designations which give only one type no. but have more than one electrical function or package.

$\%$ - Different suffixes for the same type number indicate availability of different packaging compositions; i.e., ceramic, plastics, silicone, etc. Consult manufacturer.

SYMBOLS & CODES COMMON TO MORE THAN ONE TECHNICAL SECTION

TYPE OF or USE COLUMN (Letter and Symbol Codes) following "Use No." or "Type of No."

NOTE: Sec. 6 only: B,F,H,J,K,V apply
Sec. 27 only: U applies

- A - Buffers/drivers can be used separately
- B - Gating included can be used separately
- C - Inverter included can be used separately
- D - Clamped operation variable level capability
- E - With internally connected buffers/drivers/gates
- F - With internally connected gating
- G - With internally connected inverters
- H - Incandescent number display included
- J - Neon numeric display included
- K - Complement input used
- L - Includes buffer register
- M - Manufacturer indicates gate will operate on either connective function by changing the logic level convention
- R - Reversible
- S - Both normal and inverted functions are available at separate output terminals
- T - Includes multiplexer input
- U - Variable or programmable modulo
- V - Device has latching capability
- W - Device has multiplexed outputs

LOGIC LEVEL "1"

- Δ - Indicates complement outputs are available
- \dagger - Indicated value at maximum rated fan in
- $\%$ - Minimum \blacklozenge - Output Values
- * - Maximum
- \S - 3-state device
- \emptyset - Open collector
- \square - Collector-emitter breakdown voltage
- $\#$ - Peak-to-peak

MAXIMUM NOISE REJECTION

- Δ - Typical
 - \dagger - Ratio
 - \square - Input noise voltage
 - $\#$ - Input noise in μ V
 - $\%$ - Db
 - * - Minimum
- NOTE:
Bipolar Devices
Noise margin in general is specified for DTL, ECL, RTL and TTL logic types. Defined as the lowest magnitude of the following values:
 $V_{IL} - V_{OL}$ or $V_{OH} - V_{IH}$

MOS Devices

Noise immunity in general is specified for CMOS, N-MOS or P-MOS logic types. Defined as the lowest magnitude of the following:
 V_{IL} or $V_{DD} - V_{IH}$

TEMPERATURE COLUMN

Indicates that the Type No. has more than one Temperature Range

	WIDEST RANGE		NEXT NARROW		MOST NARROW	
	LOW	HIGH	LOW	HIGH	LOW	HIGH
T2	-55°C	125°C	-30°C	100°C		
T3	-55°C	125°C	0°C	75°C		
T5	-55°C	125°C	-30°C	100°C		
T7	-55°C	125°C	0°C	70°C		
T8	-55°C	125°C	0°C	75°C	15°C	125°C
T9	-55°C	125°C	0°C	100°C	15°C	55°C

LINE NO.

- \blacktriangledown - New type
- \blacklozenge - Revised specification
- $\#$ - Non-JEDEC type manufactured outside U.S.A.

FAN IN

(Number of Input Leads per Circuit, NOT the loading factor)

- Δ - Includes expandable terminal in number given
- Maximum number any unit has, others have fewer

MAXIMUM OPERATING FREQUENCY

- Δ - Maximum clock rate
- \dagger - Maximum toggle frequency
- $\%$ - Typical
- * - At temperature above 25°C
- \emptyset - Minimum

LOGIC LEVEL "0"

- Δ - Indicated value at maximum rated fan out
- \dagger - Indicates values given are for output
- $\%$ - Minimum
- * - Maximum
- $\#$ - Collector-to-emitter saturation voltage V_{ce} (sat)

MAXIMUM FAN OUT

(Per Circuit)

NOTE: Fan Out computed at rated output sink current, based on following unit loading factors:

- A - 1.6mA E - .18mA
 - B - 2.0mA F - 5.0pf U.L. (Prop delay)
 - C - .80mA G - specified at max. F.O.)
 - D - .36mA
- Δ - Depends on input drive
 - \dagger - Minimum
 - $\%$ - Maximum any unit has, others have fewer

MINIMUM OUTPUT SINK CURRENT

	@ V_O
\square - Absolute maximum	\dagger - Typical
\emptyset - Output drive current	
\dagger - Typical	
* - Maximum	

OUTLINE DRAWING COLUMN (Letter Prefix)

- CB - Printed circuit board
- CH - Chip package
- CN - TO5 type (not JEDEC outline)
- FP - Flat package (not JEDEC outline)
- M - Moulded or encapsulated package not included in other categories
- TO - Standard JEDEC outline
- ZB - Multiple package possibilities and drawing reference information
- \square - Package style - actual dimensions not specified
- Δ - MO standard JEDEC outline

MAXIMUM PACKAGE DISSIPATION

- Δ - Power dissipation per circuit
- \dagger - typical
- $\%$ - Quiescent power dissipation
- \S - Maximum operating power dissipation

PROCESS

- 3DM - 3D Module
- DCM - Discrete Component Microcircuits
- MOH - Monolithic Integrated Hybrid
- MON - Monolithic Integrated
- MOS - MOS Monolithic
- PCB - Printed Circuit Board
- PCM - PCB and 3DM
- TFH - Thin Film Integrated Hybrid
- TFM - Thin Film Integrated

LOGIC TYPE

- HNL - Hi Noise Immunity Logic
- CDL - Capacitor Diode Logic
- CML - Current Mode Logic
- CMS - CMOS
- CTL - Capacitor Transistor Logic
- DDL - Diode Logic
- DTL - Transistor Diode Logic (i.e., TTL)
- ECT - Emitter Coupled Transistor Logic
- IIL - Current Injection Logic
- ITL - Transformer Coupled Transistor Logic
- MTL - Core Transistor Logic
- NCH - N-Channel
- PCH - P-Channel
- RCT - Resistor Capacitor Transistor Logic
- RDL - Resistor Diode Logic
- RTL - Resistor Transistor Logic (i.e., TTL)
- TFT - Thin Film Transistor Logic
- TTL - Transistor Coupled Logic (i.e., TTL)
- VTL - Variable Threshold Logic

INTERPRETER SYMBOLS & CODES EXPLAINED

2. DIODE ARRAYS/MATRIXES

IN ORDER OF: (1)TYPE CODE (2)MAX. FWD. CURR. (3)VRRM (4)TYPE No.

LINE No.	4 TYPE No.	1 TYPE CODE	DIODE/CKT and No. OF CKTS.	BASIC DIODE CONN. ECT.	2 MAX. FORWARD CURR. @		3 VRRM (V)	MAX. FORWARD VOLTAGE		MAX. REVERSE RECOVERY TIME		MAX. STATIC REVERSE CURR. @ VR		MAX. TOTAL PKG. DISS. (W)	TEMP.		DRAWINGS		
					IF (A)	TEMP (°C)		VF (V)	IF (A)	trr (s)	IF (A)	IR (A)	LOW °C		HI °C	LOGIC DWG. No	OUTLINE DWG. No Δ=MO		

3 ARR — Array
MAT — Matrix
SPE — Special

5 For all configurations (except matrix):
BR — Bridge
CA — Common Anode
CK — Common Cathode
CKA — Common Cathode & Anode
IND — Independent Diodes
NET — Network (circuit)

For Matrix configuration:
Following represents Row x Column connection shown in preceding field:

K x A: Cathode - Anode
or
A x K: Anode - Cathode

* — Per Diode
— Peak pulse current/diode
♦ — Peak pulse current/package
\$ — Average pulse current/diode
† — Typical

7 A — Ambient
B — Base or stud
C — Case
J — Junction
L — Lead
S — Storage

8 * — Minimum
Δ — Breakdown voltage
† — Typical

9 † — Typical

13 \$ — Recovery Test to 10% I_R
\$ — Recovery Test to 25% I_R
☐ — Recovery Test to 50% I_R

14 † — Typical

16 † — Typical
Δ — Power dissipation per diode

3. TRANSISTOR ARRAYS

IN ORDER OF: (1)TRANSISTORS/DEV (2)MAX. I_c (3)MAX. V_{CEO} (4)MIN. h_{FE} (5)TYPE No.

LINE No.	5 TYPE No.	ARRAY CONFIGURATION			2 MAX. IC (A)	3 MAX. V _{CEO} (V)	4 MINIMUM h _{FE} @ IC (A)	MINIMUM V _{CE} (V)	DYNAMIC CHARACTS.		MAX. TOTAL PKG. DISS. (W)	TEMP.		DRAWINGS					
		1 TRAN PER DEV	BASIC CKT	SPECIAL CKT					PRO-CESS	POLAR. and MATER.		MIN. FT (Hz)	MAX. t _{ON} (S)	LOW °C	HI °C	LOGIC DWG. No	OUTLINE DWG. No Δ=MO		

4 **5** CC — Common Collector
CE — Common Emitter
CG — Common Gate
DAR — Darlington
DIFF — Differential
IND — Independent
MPR — Matched Pair
VAR — Varactor input
CMS — CMOS FET

8 N — NPN or N Channel
P — PNP or P Channel
Si — Silicon

9 * — Per Transistor
\$ — Per Darlington Pair

10 * — Per Transistor
Δ — Minimum

11 † — Typical
* — h_{fe}

12 * — Negative

14 † — Typical

15 † — Typical
* — Rise time

16 † — Typical

Δ — Power dissipation per transistor

4. BINARY/FLIP-FLOPS

IN ORDER OF: (1)TYPE FLIP-FLOP (2)LOGIC TYPE (3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	6 TYPE No.	1 OF FLIP-FLOP	5 MAX. OPER. FREQ. (Hz)	PRO-CESS	LOGIC LEVEL		FAN IN	POWER SUPPLY SPAN	PROPAGATION DELAY	MAX. RISE TIME	MAX. FALL TIME	TOTAL NOISE PKG. DISS. (W)	MAX. REJECT (V)	TEMP.		DRAWINGS		
					'1' (V)	'0' (V)								LOW °C	HI °C	LOGIC DWG. No	OUTLINE DWG. No Δ=MO	

3 (FOR LETTER SUFFIX SEE COMMON CODES)

2 — J-K 6 — T
3 — R-S 7 — Complement RS
4 — R-S-T 8 — D Type
5 — Shift Register 9 — J — K

13 † — Transition time
% — Average propagation delay
Δ — Maximum
☐ — Per stage

14 **15** Δ — Minimum
† — Typical
☐ — Minimum input pulse width

• See SYMBOLS AND CODES COMMON TO ALL TECHNICAL SECTIONS
TYPE NO. SYMBOLS AND CODES AT TOP OF FIRST INTERPRETER CARD

INTERPRETER SYMBOLS & CODES EXPLAINED

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	1 TYPE OF GATE	5 MAX OPER. FREQ. (Hz)	3 PRO-CESS	LOGIC		FAN IN	FAN OUT	POWER SUPPLY SPAN	PROPAGATION DELAY (s)	MAX.		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS		
					4 LEVEL	2 TYPE					RISE TIME tr (s)	FALL TIME tf (s)			LOW	HI		LOGIC DWG. No	OUTLINE DWG. No	
					3	4														

3 (FOR LETTER SUFFIX SEE COMMON CODES)

- 1 - AND
- 2 - OR
- 3 - NOR
- 4 - NAND
- 5 - Exclusive OR
- 6 - Gate expander
- 7 - Exclusive NOR
- 8 - Invert

- 13** † - Transition time
- ‡ - Average propagation delay
- △ - Maximum
- - Per stage

- 14 15** △ - Minimum
- † - Typical

6. DECODERS

IN ORDER OF: (1)FROM (2)TO (3)LOGIC TYPE
(4)LOGIC '1' (5)LOGIC '0' (6)TYPE No

LINE No.	TYPE No.	DECODES		3 LOGIC TYPE	PRO-CESS	LOGIC LEVEL		No. OF LINES IN	No. OF LINES OUT	POWER SUPPLY SPAN	TRAN-SITION TIME (s)	MAX.		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS		
		1 FROM	2 TO			4 LEVEL	5 TYPE					RISE TIME tr (s)	FALL TIME tf (s)			LOW	HI		LOGIC DWG. No	OUTLINE DWG. No	
						4	5														

3 4 (FOR LETTER SUFFIX SEE COMMON CODES)

- 1 - Binary
- 2 - Binary coded decimal
- 3 - Bi-quinary
- 4 - Decimal
- 5 - Excess 3 code
- 6 - Gray code
- 8 - Octal
- 9 - Quaternary
- 10 - Quinary
- 17 - 8421 code
- 18 - One of 'x' number of lines
- 19 - Two of 'x' number of lines
- 20 - 7 segment
- 21 - Excess three gray code
- 22 - 8 segment
- 23 - Three of 'x' number of lines

- 4** △ - Drives numeric neon indicator
- † - Drives incandescent indicator
- ‡ - Converts to and from other codes
- * - Includes output driver

- 13** † - Propagation delay
- ‡ - Average transition time
- △ - Maximum
- - Per stage

- 9 10** (Number includes complementary lines)
- △ - Use of complement lines is optional
- † - Complement lines must be used for proper operation

- 14 15** △ - Minimum
- † - Typical

10. TIME DELAYS

IN ORDER OF: (1)TYPE TIME DELAY (2)LOG. TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	1 TIME DELAY TYPE	5 MAX OPER. FREQ. (Hz)	3 PRO-CESS	LOGIC		FAN IN	FAN OUT	POWER SUPPLY SPAN	MIN. DELAY (s)	MAX.		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS		
					4 LEVEL	2 TYPE					RISE TIME tr (s)	FALL TIME tf (s)			LOW	HI		LOGIC DWG. No	OUTLINE DWG. No	
					3	4														

3 (FOR LETTER SUFFIX SEE COMMON CODES)

- 1 - Delay line fixed
- 2 - Delay line tapped
- 3 - Delay line continuously variable
- 4 - Mono-stable multivibrator fixed delay
- 5 - Mono-stable multivibrator variable delay
- 6 - Time base/counter
- 7 - RC Timer

- 13** † - Transition time
- ‡ - Average propagation delay
- △ - Maximum
- - Per stage
- § - Typical
- * - Adjustable

- 14 15** △ - Minimum
- † - Typical
- - Minimum input pulse width
- * - Clock

• See SYMBOLS AND CODES COMMON TO ALL TECHNICAL SECTIONS

♦ TYPE NO. SYMBOLS AND CODES AT TOP OF FIRST INTERPRETER CARD

INTERPRETER SYMBOLS & CODES EXPLAINED

11. COUNTERS

IN ORDER OF: (1)TYPE OF COUNTER (2)LOG. TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	6 TYPE No.	1 TYPE OF COUNTER	5 MAX OPER. FREQ. (Hz)	PRO-CESS	LOGIC LEVEL		2 TYPE	FAN IN/OUT		POWER SUPPLY SPAN		PROPA-GATION DELAY (s)	MAX. RISE/FALL TIME		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS		
					3 '1' (V)	4 '0' (V)		IN	OUT	NEG (V)	POS (V)		tr (s)	tf (s)			LOW	HI		LOGIC DWG. No	OUTLINE DWG. No	

3 (FOR LETTER SUFFIX SEE COMMON CODES)

- 1 - Binary coded decimal
- 2 - Binary
- 3 - Decimal
- 4 - Fast carry
- 5 - Ring/Johnson
- 6 - Special
- 7 - Hexadecimal
- 8 - Divide by 12
- 9 - Gray code
- △ - Number following △ indicates count divisor

- 13** † - Transition time
 % - Average propagation delay
 △ - Maximum
 ▢ - Per stage

- 14 15** △ - Minimum
 † - Typical
 ▢ - Min. input pulse width
 * - Clock

12. CLOCKS/MULTIVIBRATORS

IN ORDER OF: (1)TYPE OF M-V (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	6 TYPE No.	1 TYPE OF M-V	5 MAX OPER. FREQ. (Hz)	PRO-CESS	LOGIC LEVEL		2 TYPE	FAN IN/OUT		POWER SUPPLY SPAN		MIN. DELAY (s)	MAX. RISE/FALL TIME		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS		
					3 '1' (V)	4 '0' (V)		IN	OUT	NEG (V)	POS (V)		tr (s)	tf (s)			LOW	HI		LOGIC DWG. No	OUTLINE DWG. No	

- 3**
- 1 - Astable
 - 2 - Astable synchronized
 - 3 - Astable variable
 - 4 - Crystal controlled
 - 5 - Tuning fork controlled
 - 6 - RC or LC oscillators
 - 7 - Voltage-controlled oscillator
 - 8 - Monostable
 - △ - Frequency trim adjustment
 - ▢ - Center frequency accuracy options
 - ∅ - Frequency stability options

- 13** † - Transition time
 % - Average propagation delay
 △ - Maximum
 ▢ - Per stage

- 14 15** △ - Minimum
 † - Typical
 ▢ - Minimum input pulse width

13. FREQUENCY DIVIDERS

IN ORDER OF: (1)TYPE CODE (2)LOGIC TYPE
(3)MAX DIVISOR (4)MAX FREQUENCY (5)TYPE No.

LINE No.	5 TYPE No.	1 TYPE CODE	3 MAXIMUM DIVISOR	4 MAX OPER. FREQ. (Hz)	PRO-CESS	LOGIC LEVEL		2 TYPE	MINIMUM SINK CURRENT		POWER SUPPLY SPAN		MAX. TOTAL PKG. DISS. (W)	TEMP.		DRAWINGS		
						'1' (V)	'0' (V)		(A)	@ V _o (V)	NEG (V)	POS (V)		LOW	HI	LOGIC DWG. No	OUTLINE DWG. No	

- 3**
- 1 - Programmable
 - 2 - Rate multiplier
 - 3 - Fixed
 - 4 - Chromatic frequency generator

6 § - Number of frequency control lines

• See SYMBOLS AND CODES COMMON TO ALL TECHNICAL SECTIONS
 TYPE NO. SYMBOLS AND CODES AT TOP OF FIRST INTERPRETER CARD

INTERPRETER SYMBOLS & CODES EXPLAINED

15. ADDERS

IN ORDER OF: (1)TYPE CODE (2)LOGIC TYPE
(3)BITS (4)MAX PROPAG DELAY (5)TYPE No.

LINE No.	TYPE No.	1 TYPE CODE	3 BITS	O M P O D E R E	4 MAX. PROPAG -ATION DELAY (s)	PRO- CESS	LOGIC LEVEL		2 TYPE	MINIMUM SINK CURRENT		POWER SUPPLY SPAN		MAX. TOTAL PKG. DISS. (W)	FEATURES	TEMP.		DRAWINGS		
							'1' (V)	'0' (V)		@ V _o (A)	NEG (V)	POS (V)	LOW			HI	LOGIC DWG. No	OUTLINE DWG. No		
		3			5															16

- 3**
- 1 - Half adder
 - 2 - Full adder
 - 3 - Adder/Subtractor
 - 4 - Subtractor

- 5**
- P - Parallel
 - S - Serial

- 16**
- BUFF - Buffered output
 - COMPL - Complementary
 - LACO - Look-ahead carry output
 - NBCD - Natural binary coded decimal

- 6**
- § - Typical
 - ‰ - Average

16. MULTIPLIERS

IN ORDER OF: (1)MODE (2)LOGIC TYPE
(3)LOW ARRAY No (4)MAX PROP DELAY (5)TYPE No

LINE No.	TYPE No.	5	1 M O D E	BIT ARRAY		ARITHMETIC CAPABILITY	4 MAX. PROPAG -ATION DELAY (s)	PRO- CESS	LOGIC LEVEL		2 TYPE	MINIMUM SINK CURRENT		POWER SUPPLY SPAN		MAX. TOTAL PKG. DISS. (W)	TEMP.		DRAWINGS		
				3 LOWxHIGH	3 LO HI				'1' (V)	'0' (V)		@ V _o (A)	NEG (V)	POS (V)	LOW		HI	LOGIC DWG. No	OUTLINE DWG. No		
						6															

- 2** § - Type No. represents companion devices required for operation

- 6**
- BCD - Binary coded decimal
 - BIN - Binary
 - BO - Binary offset
 - DP - Double precision
 - PDA - Product Accumulation
 - 2SC - 2's complement

- 7**
- § - Typical
 - ‰ - Average
 - * - Multiply time

- 3**
- P - Parallel
 - S - Serial
 - S/P - Serial/parallel

17. MAGNITUDE COMPARATORS

IN ORDER OF: (1)TYPE CODE (2)LOGIC TYPE
(3)BITS (4)MAX PROPAG DELAY (5)TYPE No.

LINE No.	TYPE No.	5	1 TYPE CODE	3 BITS	COMPARES CODE	4 MAX. PROPAG -ATION DELAY (s)	PRO- CESS	LOGIC LEVEL		2 TYPE	MINIMUM SINK CURRENT		POWER SUPPLY SPAN		MAX. TOTAL PKG. DISS. (W)	TEMP.		DRAWINGS		
								'1' (V)	'0' (V)		@ V _o (A)	NEG (V)	POS (V)	LOW		HI	LOGIC DWG. No	OUTLINE DWG. No		
					5															

- 3**
- M - Magnitude comparator
 - I - Identity comparator
 - U - Unified bus comparator used in conjunction with other codes

- 5**
- BCD - Binary coded decimal
 - BIN - Binary

- 6**
- § - Typical
 - ‰ - Average

• See SYMBOLS AND CODES COMMON TO ALL TECHNICAL SECTIONS

◆ TYPE NO. SYMBOLS AND CODES AT TOP OF FIRST INTERPRETER CARD

INTERPRETER SYMBOLS & CODES EXPLAINED

26. LATCHES

IN ORDER OF: (1)BITS (2)LOGIC TYPE
(3)MAX PROPAGATION DELAY (4)TYPE No.

LINE No.	TYPE No.	BITS	TYPE CODE	MAX. PROPAGATION DELAY (s)	PRO-CESS	LOGIC LEVEL		MINIMUM SINK CURRENT (A)	POWER SUPPLY SPAN		MAX. TOTAL PKG. DISS. (W)	FEATURES	TEMP.		CKT PER MOD	DRAWINGS	
						'1' (V)	'0' (V)		NEG (V)	POS (V)			LOW °C	HI °C		LOGIC DWG. No.	OUTLINE DWG. No. Δ = MO
			4	5								15					

- 4** D — D type
R/S — Reset/set type
T — Tri-State

- 5** \$ — Typical
% — Average

- 15** ADDR — Addressable
MULT — Multimode
NOR — NOR gate logic
NAND — NAND gate logic
COMP — Complement output

27. SPECIAL DEVICES

IN ORDER OF: (1)TYPE CODE (2)TYPE NUMBER

LINE No.	TYPE No.	TYPE CODE	MAX. FREQ. (Hz)	PRO-CESS	LOGIC LEVEL		POWER SUPPLY SPAN		MAX. TOTAL PKG. DISS. (W)	TEMP.		DESCRIPTION	DRAWINGS	
					'1' (V)	'0' (V)	NEG (V)	POS (V)		LOW °C	HI °C		LOGIC DWG. No.	OUTLINE DWG. No. Δ = MO
		3										13		

- 3** 1 — Storage
2 — Generators
3 — Detectors/meters
4 — Logic
5 — Controls/counters/converters
6 — Drivers/pre-drivers/scalers
7 — Encoder/decoders
8 — Calculators
9 — Digital clocks (time-keeping)
10 — Telephone Applications
11 — Signal Processor

- 13** A — Gain
Acc — Accuracy
AMP — Amplifiers
B — Base
BCD — Binary-coded decimal
BD — Board
BIN — Binary
C — Collector
CKT — Circuit
CL — Clamped
CMS — CMOS
COM — Common
COMP — Complement
CONT — Contract
CONV — Converter
DEC — Decimal
DIG — Digits
E — Emitter
FLTG — Floating
Fo — Fan out
GRD — Ground
INT — Internally connected
INCL — Included
INV — Inverter
Io — Output current
LD — Load
MAT — Matrix
MUX — Multiplexer

- NC — No connection
NCH — N-channel
NEG — Negative
OSC — Oscillator
PCH — P-channel
POS — Positive
PROP — Propagation
Rds — Drain-source On-resistance
RES — Resistor
RESP — Respectively
RT — Rating
SENS — Sensitivity
TC — Temp. Coeff.
tOFF — Turn off delay time
tON — Turn on delay time
tpd — Propagation time
trec — Recovery time
top — Operating time
tref — Release time
VIO — Input offset voltage
VoH — High output voltage
VoL — Low output voltage
SW — Switch
Vth — Differential input threshold voltage
W/ — With

• See SYMBOLS AND CODES COMMON TO ALL TECHNICAL SECTIONS

♦ TYPE NO. SYMBOLS AND CODES AT TOP OF FIRST INTERPRETER CARD

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

DIGITAL	TYPE No.		MFRS		TYPE No.		MFRS		TYPE No.		MFRS		TYPE No.		MFRS	
	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.
	1F911N	FCAJ	32-17	4XHH	WLD	157-109	6F250K	WESY	50-39	6G173G	WESY	137-3	6G282G	WESY	71-88	
	1F911NA	FCAJ	32-18	4XHM	WLD	157-107	6F251G	WESY	50-40	6G180G	WESY	137-4	6G283D	WESY	71-89	
	1F918M	FCAJ	32-19	5K2	ATL	51-104	6F251K	WESY	50-41	6G180K	WESY	137-5	6G283G	WESY	71-90	
	1F941M	FCAJ	32-20	5K5	ATL	52-17	6F252D	WESY	49-29	6G181G	WESY	137-6	6G290G	WESY	136-60	
	1F941M	FCAJ	32-21	5K15	ATL	146-56	6F252G	WESY	49-30	6G181K	WESY	137-7	6G290K	WESY	136-61	
	1F941NAA	FCAJ	32-22	5K20	ATL	165-29	6F253D	WESY	49-31	6G182D	WESY	137-8	6G291G	WESY	136-62	
	1F943M	FCAJ	32-23	5K25	ATL	149-51	6F253G	WESY	49-32	6G182G	WESY	137-9	6G291K	WESY	136-63	
	1F943N	FCAJ	32-24	5K40	ATL	78-78	6F260D	WESY	45-46	6G183D	WESY	137-10	6G292D	WESY	136-64	
	1F947NA	FCAJ	32-25	5K50	ATL	67-103	6F260G	WESY	45-47	6G183G	WESY	137-11	6G292G	WESY	136-65	
	1M15	ATL	146-55	6AD9093-1	ELLB	36-9	6F260K	WESY	45-48	6G190G	WESY	126-24	6G293D	WESY	136-66	
	2AMM	WLD	164-68	6AD9093-9	ELLB	37-4	6F261D	WESY	45-49	6G190K	WESY	126-25	6G293G	WESY	136-67	
	2F260G	WESY	50-34	6AD9094-1	ELLB	36-103	6F261G	WESY	45-50	6G191G	WESY	126-26	6G300G	WESY	75-56	
	2F260K	WESY	50-35	6AD9094-9	ELLB	37-8	6F261K	WESY	45-51	6G191K	WESY	126-27	6G300K	WESY	75-57	
	2F261G	WESY	50-36	6AD9097-1	ELLB	36-104	6F262D	WESY	45-52	6G192D	WESY	126-28	6G301G	WESY	75-58	
	2F261K	WESY	50-37	6AD9097-9	ELLB	37-9	6F262G	WESY	45-53	6G192G	WESY	126-29	6G301K	WESY	75-59	
	2F262D	WESY	49-25	6AD9099-1	ELLB	36-98	6F262K	WESY	45-54	6G193D	WESY	126-30	6G302D	WESY	75-60	
	2F262G	WESY	49-26	6AD9099-9	ELLB	37-5	6F263D	WESY	45-55	6G193G	WESY	126-31	6G302G	WESY	75-61	
	2F263D	WESY	49-27	6AH9000-1	ELLB	38-100	6F263G	WESY	45-56	6G200G	WESY	127-102	6G303D	WESY	75-62	
	2F263G	WESY	49-28	6AH9000-9	ELLB	38-101	6F263K	WESY	45-57	6G200K	WESY	127-103	6G303G	WESY	75-63	
	2FBH	WLD	47-81	6AH9001-1	ELLB	38-102	6G40G	WESY	125-94	6G201G	WESY	127-104	6G310G	WESY	75-64	
	2FBM	WLD	47-80	6AH9001-9	ELLB	38-103	6G40K	WESY	125-95	6G201K	WESY	127-105	6G310K	WESY	75-65	
	2NB1002	NSC	53-99	6AH9020-1	ELLB	38-104	6G41G	WESY	125-96	6G202D	WESY	127-106	6G311G	WESY	75-66	
	2NB1003	NSC	131-26	6AH9020-9	ELLB	38-105	6G41K	WESY	125-97	6G202G	WESY	127-107	6G311K	WESY	75-67	
	2NB1005	NSC	60-10	6AH9022-1	ELLB	38-106	6G42D	WESY	125-98	6G203D	WESY	127-108	6G312D	WESY	75-68	
	2NB1006	NSC	60-11	6AH9022-9	ELLB	38-107	6G42G	WESY	125-99	6G203G	WESY	127-109	6G312G	WESY	75-69	
	2NB1007	NSC	86-42	6F10G	WESY	54-22	6G43D	WESY	125-100	6G210D	WESY	75-6	6G313D	WESY	75-70	
	2NB1014	NSC	86-43	6F10K	WESY	54-23	6G43G	WESY	125-101	6G210G	WESY	75-7	6G313G	WESY	75-71	
	2NB1017	NSC	95-73	6F11G	WESY	54-24	6G50G	WESY	79-37	6G211G	WESY	75-8	6GEH	WLD	133-93	
	2NB1018	NSC	53-98	6F11K	WESY	54-25	6G50K	WESY	79-38	6G211D	WESY	75-9	8LMD	WLD	142-87	
	2NB2002	NSC	53-100	6F12D	WESY	54-26	6G51G	WESY	79-39	6G211G	WESY	75-10	9LS00DC	FCSC	107-52	
	2NB2003	NSC	131-27	6F12G	WESY	54-27	6F51K	WESY	79-40	6G211K	WESY	75-11	9LS00DM	FCSC	106-108	
	2NB2005	NSC	60-20	6F13D	WESY	54-28	6G52D	WESY	79-41	6G212D	WESY	74-92	9LS00FC	FCSC	107-53	
	2NB2006	NSC	60-21	6F13G	WESY	54-29	6G52G	WESY	79-42	6G212G	WESY	74-93	9LS00FM	FCSC	106-109	
	2NB2007	NSC	86-49	6F20G	WESY	57-38	6G53D	WESY	79-43	6G212K	WESY	74-94	9LS00PC	FCSC	107-54	
	2NB2014	NSC	86-50	6F20K	WESY	57-39	6G53G	WESY	79-44	6G213D	WESY	74-95	9LS02DC	FCSC	87-108	
	2NB2017	NSC	95-74	6F21G	WESY	57-40	6G60G	WESY	125-102	6G213G	WESY	74-96	9LS02DM	FCSC	87-101	
	2NB2018	NSC	53-101	6F21K	WESY	57-41	6G60K	WESY	125-103	6G213K	WESY	74-97	9LS02FC	FCSC	87-109	
	2NB3002	NSC	53-104	6F22D	WESY	57-42	6G61G	WESY	125-104	6G220D	WESY	117-56	9LS02FM	FCSC	87-102	
	2NB3003	NSC	131-28	6F22G	WESY	57-43	6G61K	WESY	125-105	6G220G	WESY	117-57	9LS02PC	FCSC	87-110	
	2NB3005	NSC	60-29	6F23D	WESY	57-44	6G62D	WESY	125-106	6G220K	WESY	117-58	9LS03DC	FCSC	107-55	
	2NB3006	NSC	60-30	6F23G	WESY	57-45	6G62G	WESY	125-107	6G221D	WESY	117-59	9LS03DM	FCSC	106-110	
	2NB3007	NSC	86-70	6F30G	WESY	57-18	6G63D	WESY	125-108	6G221G	WESY	117-60	9LS03FC	FCSC	107-56	
	2NB3014	NSC	86-71	6F30K	WESY	57-19	6G63G	WESY	125-109	6G221K	WESY	117-61	9LS03FM	FCSC	107-1	
	2NB3017	NSC	95-78	6F31G	WESY	57-20	6G70G	WESY	75-26	6G222D	WESY	117-32	9LS03PC	FCSC	107-57	
	2NB3018	NSC	53-105	6F31K	WESY	57-21	6G70K	WESY	75-27	6G222G	WESY	117-33	9LS08DC	FCSC	68-48	
	2NB4002	NSC	53-102	6F32D	WESY	57-22	6G71G	WESY	75-28	6G222K	WESY	117-34	9LS08DM	FCSC	68-37	
	2NB4003	NSC	131-29	6F32G	WESY	57-23	6G71K	WESY	75-29	6G223D	WESY	117-35	9LS08FC	FCSC	68-49	
	2NB4005	NSC	60-22	6F33D	WESY	57-24	6G72D	WESY	75-30	6G223G	WESY	117-36	9LS08FM	FCSC	68-38	
	2NB4006	NSC	60-23	6F33G	WESY	57-25	6G72G	WESY	75-31	6G223K	WESY	117-37	9LS08PC	FCSC	68-50	
	2NB4007	NSC	86-51	6F35G	WESY	45-20	6G73D	WESY	75-32	6G230D	WESY	134-82	9LS09DC	FCSC	68-51	
	2NB4014	NSC	86-52	6F35K	WESY	45-21	6G73G	WESY	75-33	6G230G	WESY	134-83	9LS09DM	FCSC	68-52	
	2NB4017	NSC	95-75	6F51G	WESY	45-22	6G90G	WESY	130-68	6G230K	WESY	134-84	9LS09FC	FCSC	68-53	
	2NB4018	NSC	53-103	6F51K	WESY	45-23	6G90K	WESY	130-69	6G231D	WESY	134-85	9LS09FM	FCSC	68-54	
	2NC1010	NSC	105-9	6F52D	WESY	45-24	6G91G	WESY	130-70	6G231G	WESY	134-86	9LS09PC	FCSC	68-55	
	2NC1011	NSC	105-10	6F52G	WESY	45-25	6G91K	WESY	130-71	6G231K	WESY	134-87	9LS10DC	FCSC	107-58	
	2NC1013	NSC	53-106	6F53D	WESY	45-26	6G92D	WESY	130-72	6G232D	WESY	135-36	9LS10DM	FCSC	107-2	
	2NC1021	NSC	134-7	6F53G	WESY	45-27	6G92G	WESY	130-73	6G232G	WESY	135-37	9LS10FC	FCSC	107-59	
	2NC2010	NSC	105-8	6F60G	WESY	50-2	6G93D	WESY	130-74	6G233K	WESY	135-38	9LS10FM	FCSC	107-3	
	2NC2011	NSC	105-9	6F60K	WESY	50-3	6G93G	WESY	130-75	6G233D	WESY	135-39	9LS10PC	FCSC	107-60	
	2NC2013	NSC	58-107	6F61G	WESY	50-14	6G100G	WESY	79-45	6G233G	WESY	135-40	9LS11DC	FCSC	68-56	
	2NC2021	NSC	134-11	6F61K	WESY	50-15	6G100K	WESY	79-46	6G233K	WESY	135-41	9LS11DM	FCSC	68-39	
	2NC3010	NSC	95-76	6F62D	WESY	50-16	6G101G	WESY	79-47	6G240D	WESY	117-62	9LS11FC	FCSC	68-57	
	2NC3011	NSC	95-77	6F62G	WESY	50-17	6G101K	WESY	79-48	6G240G	WESY	117-63	9LS11FM	FCSC	68-40	
	2NC3013	NSC	58-109	6F63D	WESY	50-18	6G102D	WESY	79-49	6G240K	WESY	117-64	9LS11PC	FCSC	68-58	
	2NC3021	NSC	134-12	6F63G	WESY	50-19	6G102G	WESY	79-50	6G241D	WESY	117-65	9LS15DC	FCSC	68-59	
	2NC4010	NSC	105-10	6F100G	WESY	34-26	6G103D	WESY	79-51	6G241G	WESY	117-66	9LS15DM	FCSC	68-41	
	2NC4011	NSC	105-11	6F100K	WESY	34-27	6G103G	WESY	79-52	6G241K	WESY	117-67	9LS15FC	FCSC	68-60	
	2NC4013	NSC	56-108	6F101G	WESY	34-28	6G110G	WESY	79-53	6G242D	WESY	117-38	9LS15FM	FCSC	68-42	
	2NC4021	NSC	134-13	6F101K	WESY	34-29	6G111G	WESY	79-54	6G242G	WESY	117-39	9LS15PC	FCSC	68-61	
	2SSM	WLD	146-35	6F102D	WESY	34-3										

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

DIGITAL

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
9LS42DC	◆FSC	142-109	9LS190PC	◆FSC	161-108	25LS14J#2	◆RTN	189-20	43B4	◆THCF	56-10	74H81FC	◆FSC	135-66
9LS42DM	◆FSC	142-107	9LS191DC	◆FSC	159-24	25LS14W#1	◆RTN	169-21	43B4P1	◆THCF	56-11	74H82DC	◆FSC	135-67
9LS42FM	◆FSC	142-110	9LS191DM	◆FSC	158-33	25LS14W#2	◆RTN	169-22	43B4P2	◆THCF	56-12	74H82FC	◆FSC	135-68
9LS42PC	◆FSC	142-108	9LS191FC	◆FSC	159-25	25LS15J#1	◆RTN	168-96	43B4P	◆THCF	56-13	74H71DC	◆FSC	42-82
9LS51DC	◆FSC	72-83	9LS191FM	◆FSC	158-34	25LS15J#2	◆RTN	168-97	044L	◆WLD	78-83	74H71FC	◆FSC	42-83
9LS51DM	◆FSC	72-88	9LS191PC	◆FSC	159-26	25LS15W#1	◆RTN	168-98	44B4	◆THCF	123-68	74H71PC	◆FSC	42-84
9LS51FC	◆FSC	72-84	9LS192DC	◆FSC	162-3	25LS15W#2	◆RTN	168-99	44B4P	◆THCF	123-69	74H72FC	◆FSC	42-85
9LS51FM	◆FSC	72-89	9LS192DM	◆FSC	161-97	25LS22J	◆RTN	114-47	45B4	◆THCF	132-44	74H73FC	◆FSC	42-86
9LS51PC	◆FSC	72-85	9LS192FC	◆FSC	162-4	25LS22W	◆RTN	114-48	45B4P	◆THCF	132-45	74H74FC	◆FSC	63-6
9LS54DC	◆FSC	72-86	9LS192FM	◆FSC	161-98	25LS23W	◆RTN	64-8	46B4	◆THCF	118-84	74H76DC	◆FSC	42-87
9LS54DM	◆FSC	72-70	9LS192PC	◆FSC	162-5	25LS253W	◆RTN	169-5	46B4P	◆THCF	118-85	74H76PC	◆FSC	42-88
9LS54FC	◆FSC	72-87	9LS193DC	◆FSC	159-28	25LS122CH#1	◆RTN	150-11	47B4	◆THCF	129-11	74H78DC	◆FSC	42-89
9LS54FM	◆FSC	72-71	9LS193DM	◆FSC	158-35	25LS122CH#2	◆RTN	149-108	47B4P	◆THCF	129-12	74H78FC	◆FSC	42-90
9LS54PC	◆FSC	72-88	9LS193FC	◆FSC	159-29	25LS122J#1	◆RTN	150-12	54H55DM	◆FSC	72-92	74H78PC	◆FSC	42-91
9LS55DC	◆FSC	72-89	9LS193FM	◆FSC	158-36	25LS122J#2	◆RTN	149-109	54H60DM	◆FSC	135-61	74H87FC	◆FSC	176-59
9LS55DM	◆FSC	72-72	9LS193PC	◆FSC	159-30	25LS122W#1	◆RTN	150-13	54H62DM	◆FSC	135-62	74H101DC	◆FSC	43-93
9LS55FC	◆FSC	72-72	9LS193PC	◆FSC	154-46	25LS122W#2	◆RTN	149-110	54H71DM	◆FSC	42-79	74H101FC	◆FSC	43-94
9LS55FM	◆FSC	72-90	9LS196DM	◆FSC	153-59	25LS123CH#1	◆RTN	150-14	54H76DM	◆FSC	42-80	74H102DC	◆FSC	43-95
9LS55PC	◆FSC	72-73	9LS196FC	◆FSC	154-47	25LS123CH#2	◆RTN	150-1	54H78DM	◆FSC	42-81	74H102FC	◆FSC	43-96
9LS73DC	◆FSC	43-67	9LS196FM	◆FSC	153-60	25LS123J#1	◆RTN	150-15	54H101DM	◆FSC	43-91	74H102PC	◆FSC	43-97
9LS73DM	◆FSC	40-99	9LS196PC	◆FSC	154-48	25LS123J#2	◆RTN	150-2	54H102DM	◆FSC	43-92	74H103FC	◆FSC	43-98
9LS73FC	◆FSC	43-68	9LS197DM	◆FSC	159-45	25LS123W#1	◆RTN	150-16	54H183DM	◆FSC	168-52	74H108FC	◆FSC	43-99
9LS73FM	◆FSC	40-100	9LS197FC	◆FSC	158-46	25LS123W#2	◆RTN	150-3	54LS09DM	◆FSC	68-65	74H183DC	◆FSC	168-53
9LS73PC	◆FSC	43-69	9LS197FM	◆FSC	159-46	25LS138J	◆RTN	139-67	54LS11BL	◆none	68-46	74LS00FC	◆FSC	107-98
9LS74DC	◆FSC	62-43	9LS197PC	◆FSC	158-47	25LS138W	◆RTN	139-68	54LS15BL	◆none	68-47	74LS02FC	◆FSC	88-5
9LS74DM	◆FSC	62-28	9LS259DC	◆FSC	159-47	25LS139J	◆RTN	139-36	54LS15DM	◆FSC	68-45	74LS03FC	◆FSC	107-99
9LS74FC	◆FSC	62-44	9LS259DM	◆FSC	175-46	25LS139W	◆RTN	139-37	54LS22DM	◆FSC	107-18	74LS04J	◆none	113-98
9LS74FM	◆FSC	62-29	9LS259FC	◆FSC	175-47	25LS151J	◆RTN	139-69	54LS33DM	◆FSC	87-105	74LS04W	◆none	113-99
9LS74PC	◆FSC	62-45	9LS259FM	◆FSC	175-48	25LS151W	◆RTN	139-70	54LS55DM	◆FSC	72-74	74LS05J	◆none	113-100
9LS83DC	◆FSC	168-71	9LS259PC	◆FSC	175-49	25LS153J	◆RTN	139-4	54LS73DM	◆FSC	41-5	74LS05W	◆none	113-101
9LS83DM	◆FSC	168-72	9LS259PC	◆FSC	175-50	25LS153W	◆RTN	139-5	54LS73FM	◆FSC	41-6	74LS08FC	◆FSC	68-70
9LS83FC	◆FSC	168-73	9LS266DC	◆FSC	138-73	25LS157J	◆RTN	139-6	54LS75DM	◆FSC	174-27	74LS09DC	◆FSC	68-71
9LS83FM	◆FSC	168-74	9LS266DM	◆FSC	138-70	25LS157W	◆RTN	139-7	54LS75FM	◆FSC	174-28	74LS09FC	◆FSC	68-72
9LS83PC	◆FSC	168-75	9LS266FC	◆FSC	138-74	25LS158J	◆RTN	139-8	54LS77DM	◆FSC	174-29	74LS10FC	◆FSC	107-100
9LS86DC	◆FSC	129-106	9LS266FM	◆FSC	138-71	25LS158W	◆RTN	139-9	54LS77FM	◆FSC	174-30	74LS11FC	◆FSC	68-73
9LS86DM	◆FSC	129-95	9LS279DC	◆FSC	138-75	25LS160CH#1	◆RTN	154-36	54LS86DM	◆FSC	129-99	74LS13J	◆none	113-102
9LS86FC	◆FSC	129-107	9LS279DM	◆FSC	174-1	25LS160CH#2	◆RTN	153-52	54LS86FM	◆FSC	129-100	74LS13W	◆none	113-103
9LS86FM	◆FSC	129-96	9LS279FC	◆FSC	174-2	25LS160J#1	◆RTN	154-37	54LS90DM	◆FSC	155-26	74LS14J	◆none	113-104
9LS86PC	◆FSC	129-108	9LS279PC	◆FSC	174-3	25LS160J#2	◆RTN	153-53	54LS92DM	◆FSC	163-63	74LS14W	◆none	113-105
9LS90DC	◆FSC	155-55	9LS279PC	◆FSC	174-4	25LS160W#1	◆RTN	154-38	54LS113DM	◆FSC	41-7	74LS15DC	◆FSC	68-74
9LS90DM	◆FSC	155-24	9LS283DC	◆FSC	174-5	25LS160W#2	◆RTN	153-54	54LS114DM	◆FSC	41-8	74LS15FC	◆FSC	68-75
9LS90FC	◆FSC	155-56	9LS283DM	◆FSC	168-5	25LS161CH#1	◆RTN	159-31	54LS160DM	◆FSC	153-39	74LS20FC	◆FSC	107-101
9LS90FM	◆FSC	155-25	9LS283FC	◆FSC	168-6	25LS161CH#2	◆RTN	158-37	54LS162DM	◆FSC	153-40	74LS21FC	◆FSC	68-76
9LS90PC	◆FSC	155-57	9LS283FM	◆FSC	168-7	25LS161J#1	◆RTN	159-32	54LS181DM	◆FSC	171-31	74LS22DC	◆FSC	107-102
9LS92DC	◆FSC	163-66	9LS283PC	◆FSC	168-8	25LS161J#2	◆RTN	158-38	54LS182DM	◆FSC	172-17	74LS22FC	◆FSC	107-103
9LS92DM	◆FSC	163-61	9LS290DC	◆FSC	168-9	25LS161W#1	◆RTN	159-33	54LS182FM	◆FSC	172-18	74LS27FC	◆FSC	88-6
9LS92FC	◆FSC	163-67	9LS290DM	◆FSC	162-7	25LS161W#2	◆RTN	158-39	54LS190DM	◆FSC	153-80	74LS30FC	◆FSC	107-104
9LS92FM	◆FSC	163-62	9LS290FC	◆FSC	161-99	25LS162CH#1	◆RTN	154-39	54LS196DM	◆FSC	154-49	74LS32FC	◆FSC	79-1
9LS92PC	◆FSC	163-68	9LS290FM	◆FSC	162-8	25LS162CH#2	◆RTN	153-55	54LS197DM	◆FSC	158-48	74LS33DC	◆FSC	88-7
9LS93DC	◆FSC	158-106	9LS290PC	◆FSC	161-100	25LS162J#1	◆RTN	154-40	54LS197FM	◆FSC	158-49	74LS42FC	◆FSC	143-2
9LS93DM	◆FSC	158-31	9LS293DC	◆FSC	162-9	25LS162J#2	◆RTN	153-56	54LS452FM	◆none	174-52	74LS51FC	◆FSC	72-99
9LS93FC	◆FSC	159-1	9LS293DM	◆FSC	159-40	25LS162W#1	◆RTN	153-57	54R00	◆RTN	114-45	74LS54FC	◆FSC	72-100
9LS93FM	◆FSC	158-32	9LS293FC	◆FSC	158-43	25LS163CH#1	◆RTN	159-34	54R02	◆RTN	89-17	74LS55DC	◆FSC	72-101
9LS93PC	◆FSC	159-2	9LS293FM	◆FSC	159-41	25LS163CH#2	◆RTN	158-40	54R11	◆RTN	70-12	74LS55FC	◆FSC	72-102
9LS109DC	◆FSC	43-70	9LS293PC	◆FSC	158-44	25LS163J#1	◆RTN	159-35	54R40	◆RTN	114-46	74LS73DC	◆FSC	43-82
9LS109DM	◆FSC	40-101	9N279DC	◆FSC	159-42	25LS163J#2	◆RTN	158-41	54R64	◆RTN	74-91	74LS73FC	◆FSC	43-83
9LS109FC	◆FSC	43-71	9N279DM	◆FSC	174-6	25LS163W#1	◆RTN	159-36	54R74	◆RTN	63-57	74LS73PC	◆FSC	43-84
9LS109FM	◆FSC	40-102	9N279FC	◆FSC	174-7	25LS163W#2	◆RTN	158-42	54R112	◆RTN	44-94	74LS74DC	◆FSC	62-46
9LS109PC	◆FSC	43-72	9N279PC	◆FSC	174-8	25LS170J	◆RTN	176-1	54R113	◆RTN	44-95	74LS74FC	◆FSC	62-47
9LS112DC	◆FSC	43-73	9N279PC	◆FSC	174-9	25LS170W	◆RTN	176-2	54R114	◆RTN	44-96	74LS74PC	◆FSC	62-48
9LS112DM	◆FSC	40-103	10-00	◆THIB	107-82	25LS174W	◆RTN	62-40	54R192	◆RTN	154-69	74LS75DC	◆FSC	174-31
9LS112FC	◆FSC	43-74	10-01	◆THIB	107-83	25LS175J	◆RTN	62-41	54S65DM	◆FSC	72-93	74LS75FC	◆FSC	174-32
9LS112FM	◆FSC	40-104	10-10	◆THIB	107-84	25LS175W	◆RTN	62-42	54S113DM	◆FSC	44-26	74LS77DC	◆FSC	174-33
9LS112PC	◆FSC	43-75	10-20	◆THIB	107-85	25LS181CH#1	◆RTN	171-18	54S114DM	◆FSC	44-27	74LS77FC	◆FSC	174-34
9LS113DC	◆FSC	43-76	10-30	◆THIB	107-86	25LS181CH#2	◆RTN	171-19	54S134DM	◆FSC	107-88	74LS77PC	◆FSC	174-35
9LS113DM	◆FSC	41-1	10-40	◆THIB	107-87	25LS181J#1	◆RTN	171-20	54S135DM	◆FSC	82-24	74LS78DC	◆FSC	42-92
9LS113FC	◆FSC	43-77	10-50	◆THIB	89-101	25LS181J#2	◆RTN	171-21	62B4	◆THCF	66-50	74LS78PC	◆FSC	42-93
9LS113FM	◆FSC	41-2	10-51	◆THIB	89-102	25LS181W#1	◆RTN	171-22	62B4P	◆THCF	66-51	74LS83AFC	◆FSC	168-10
9LS113PC	◆FSC	43-78	10-53	◆THIB	89-103	25LS181W#2	◆RTN	171-23	63B4	◆THCF	123-70	74LS86FC	◆FSC	130-2
9LS114DC	◆FSC	43-79	10-54	◆THIB	89-104	25LS190CH#1	◆RTN	155-91	63B4P	◆THCF	123-71	74LS90FC	◆FSC	155-58
9LS114DM	◆FSC	41-3	10-60	◆THIB	135-60	25LS1								

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
4538BFC	†FSC	148-8	6040BN	†TSC	44-93	7476PCA	none	41-105	9006-9-6B	†FSC	135-31	9315FC	FSC	140-45
4538BFM	†FSC	148-9	6041BH	†TSC	101-97	7477DC	†FSC	175-26		†GECB			GECB	158-6
4538BPC	†FSC	148-10	6041BL	TSC	101-98	7477PC	†FSC	175-27	9006FC	FSC	135-32	9316-1-4L	GECB	158-4
4553BDC	†FSC	152-80	6041BN	†TSC	101-99	7480DC	†FSC	168-44		GECB		9316-9-4L	GECB	158-6
4553BDM	†FSC	152-81	6042BH	†TSC	101-100	7480PC	†FSC	168-45	9007-1-3L	†FSC	105-76	9316FC	FSC	158-7
4553BFC	†FSC	152-82	6042BL	TSC	101-101	7480PCA	none	168-46		†GECB		9317BFC	†FSC	144-99
4553BFM	†FSC	152-83	6042BN	†TSC	101-102	7482DC	†FSC	168-55	9007-1-6B	†FSC	105-77	9317CFC	†FSC	144-100
4553BPC	†FSC	152-84	6046BH	†TSC	101-103	7482PC	†FSC	168-56		†GECB		9318FC	†FSC	176-102
4560BDC	†FSC	168-14	6046BL	TSC	101-104	7482PCA	none	168-61	9007-9-3L	†FSC	106-2	9319DC	†FSC	163-25
4560BDM	†FSC	168-15	6046BN	†TSC	101-105	7485PC	none	170-11		†GECB		9319DM	†FSC	163-26
4560BFC	†FSC	168-16	6109	DEC	123-104	7486FC	FSC	130-6	9007-9-6B	†FSC	106-3	9320DC	†FSC	163-27
4560BFM	†FSC	168-17	6110	DEC	94-18	7486PCA	none	130-7		†GECB		9320DM	†FSC	163-28
4560BPC	†FSC	168-18	6111	DEC	92-55	7490-9-6A	GECB	155-37	9007FC	FSC	106-4	9320PC	†FSC	163-29
4561BDC	†FSC	168-100	6113	DEC	92-56	7490AFC	FSC	155-27		GECB		9321FC	FSC	144-93
4561BDM	†FSC	168-101	6114	DEC	93-27	7492-9-6A	GECB	160-48	9008-1-3L	†FSC	68-19	9324FC	†FSC	170-24
4561BFC	†FSC	168-102	6115	DEC	92-57	7492PC	none	163-71		†GECB		9327-9-4L	FSC	139-18
4561BFM	†FSC	168-103	6117	DEC	92-58	7493-9-6A	GECB	160-49	9008-1-6B	†FSC	68-20	9327-9-7B	FSC	139-19
4561BPC	†FSC	168-104	6118	DEC	93-28	7493AFC	FSC	160-84		†GECB		9334FC	†FSC	175-51
4566BDC	†FSC	176-38	6119	DEC	92-59	8030	BCP	76-91	9008-9-3L	†FSC	68-30	9337-9-4L	†FSC	144-95
4566BDM	†FSC	176-39	6122	DEC	94-19	8040	BCP	139-34		†GECB		9337-9-7B	†FSC	144-96
4566BFC	†FSC	176-40	6123	DEC	123-105	8050	BCP	124-18	9008-9-6B	†FSC	68-31	9340FC	†FSC	171-12
4566BFM	†FSC	176-41	6124	DEC	93-81	8055	BCP	150-95		†GECB		9341FC	†FSC	171-15
4566BPC	†FSC	176-42	6150	DEC	139-57	8070	BCP	59-25	9008FC	FSC	68-32	9342FC	†FSC	172-16
4581BDC	†FSC	171-2	6151	DEC	139-40	8102	VAO	105-13		GECB		9344DC	†FSC	169-10
4581BDM	†FSC	171-3	6155	DEC	139-79	8104	DEC	76-88	9009-1-3L	†FSC	105-78	9344DM	†FSC	169-11
4581BFC	†FSC	171-4	6202	DEC	61-33	8105	VAO	103-90		†GECB		9344FC	†FSC	169-12
4581BFM	†FSC	171-5	6207	DEC	61-34	8107	VAO	55-19	9009-1-6B	†FSC	105-79	9344PC	†FSC	169-13
4581BPC	†FSC	171-6	6208	DEC	61-35	8120	DEC	64-73		†GECB		9345DC	FSC	143-7
4671	DEC	142-54	6227	DEC	54-101	8200	VAO	58-43	9009-9-3L	†FSC	106-5	9345DM	FSC	143-8
4673	DEC	142-55	6292	VAO	165-58	8200A	VAO	58-44		†GECB		9345FC	FSC	143-9
4722BDC	†FSC	151-69	6303	DEC	151-58	8200B	VAO	58-45	9009-9-6B	†FSC	106-6	9345FM	FSC	143-10
4722BDM	†FSC	151-70	6304	DEC	151-59	8200C	VAO	58-46		†GECB		9348FC	†FSC	173-28
4722BFC	†FSC	151-71	6310	DEC	146-21	8202	VAO	55-5	9009FC	FSC	106-7	9350DC	FSC	155-17
4722BFM	†FSC	151-72	6311	DEC	146-22	8203	VAO	151-55		GECB		9352DC	FSC	141-78
4722BPC	†FSC	151-73	6401	DEC	165-25	8204-A,G	VAO	128-52	9010	BCP	114-64	9352DM	FSC	141-79
4850	†TPN	176-54	6403	DEC	166-25	8207	VAO	65-10	9015FC	FSC	87-92	9352FC	FSC	141-80
5400-1-6A	†GECB	108-2	7400-9-6A	†GECB	108-9	8208	VAO	65-11	9020	BBCP	89-19	9353DC	FSC	144-29
5401-1-6A	†GECB	108-3	7400N	†ITT	108-10	8209	VAO	65-12	9020-1	GECB	44-59	9353DM	FSC	144-30
5402-1-6A	†GECB	88-8	7400PCA	none	108-11	8210	VAO	65-13	9020-1-3I	†FSC	39-9	9353FC	FSC	144-31
5403-1-6A	†GECB	108-4	7401-9-6A	†GECB	108-12	8214-A,C	VAO	97-14		†GECB		9353FM	FSC	144-32
5408-1-6A	†GECB	68-80	7401PCA	none	108-13	8401	DEC	165-26	9020-1-6A	†FSC	39-10	9354DC	FSC	144-106
5410-1-6A	†GECB	108-5	7402-9-6A	†GECB	88-10	9000-1-3L	†FSC	39-4		†GECB		9354DM	FSC	144-107
5411-1-6A	†GECB	68-81	7402PCA	none	88-11		†GECB		9020-9	GECB	44-72	9354FC	FSC	144-108
5420-1-6A	†GECB	108-6	7403-9-6A	†GECB	108-14	9000-1-6B	†FSC	39-5	9020-9-3I	†FSC	39-90	9354FM	FSC	144-109
5423DM	†FSC	88-9	7403PCA	none	108-15		†GECB		9020-9-6A	†FSC	39-91	9356DC	FSC	160-28
5430-1-6A	†GECB	108-7	7408-9-6A	†GECB	68-82	9000-9-3L	†FSC	39-81		†FSC	39-91	9357ADC	FSC	143-81
5440-1-6A	†GECB	108-8	7408FC	FSC	68-83		†GECB		9020-9-6A	†FSC	39-92	9357AFC	FSC	143-82
5441-1-6B	†GECB	140-99	7408PCA	none	108-16	9000-9-6B	†FSC	39-82	9020FC	GECB	39-92	9357BFC	FSC	143-83
5443ADM	†FSC	144-58	7409PCA	none	68-84		†GECB		9022-1	GECB	44-60	9358DM	FSC	143-85
5444ADM	†FSC	144-68	7410-9-6A	†GECB	108-17	9000FC	FSC	39-83	9022-1-3I	†FSC	39-11	9358FC	FSC	143-86
5450-1-6A	†GECB	89-105	7410N	†ITT	108-18		GECB	39-7		†GECB		9358FM	FSC	143-87
5451-1-6A	†GECB	89-106	7410PCA	none	108-19	9001-1-3L	†FSC	39-8	9022-1-6A	†FSC	39-12	9359FC	FSC	143-88
5453-1-6A	†GECB	89-107	7411-9-6A	GECB	68-85		†GECB		9022-9-3I	†FSC	39-93	9360FC	FSC	154-16
5453-9-6A	†GECB	89-108	7412PC	†FSC	108-20	9001-1-6B	†FSC	39-8		†GECB		9359FM	FSC	143-89
5454-1-6A	†GECB	89-109	7413PC	none	114-19		†GECB		9022-9	GECB	44-73	9360FC	FSC	154-17
5454-9-6A	†GECB	90-1	7420-9-6A	†GECB	108-21	9001-9-3L	†FSC	39-87	9022-9-3I	†FSC	39-93	9366FC	FSC	158-101
5460-1-6A	†GECB	135-69	7420N	†ITT	108-22		†GECB		9022-9-6A	†FSC	39-94	9375DC	†FSC	174-22
5470-1-6A	†GECB	49-91	7420PCA	none	108-23	9001-9-6B	†FSC	39-88		†FSC	39-94	9375DM	†FSC	174-23
5470DM	†FSC	49-92	7421PC	none	68-86		†GECB		9022FC	†FSC	39-89	9375FC	†FSC	174-24
5472-1-6A	†GECB	49-83	7423DC	†FSC	88-12	9001FC	†FSC	39-89		†GECB		9375FM	†FSC	174-25
5473-1-6A	†GECB	41-100	7423FC	FSC	88-13		GECB		9024FC	FSC	39-85	9375PC	†FSC	174-26
5474-1-6A	†GECB	62-70	7423PCA	none	88-14	9002-1-3L	†FSC	105-70		FSC	39-85	9377FC	†FSC	174-20
5475-1-6B	†GECB	61-9	7425FC	FSC	88-15		†GECB		9030	BBCP	139-31	9377FM	†FSC	174-21
5476-1-6B	†GECB	41-101	7425PCA	none	88-16	9002-1-6B	†FSC	105-71	9040	BBCP	44-100	9380DC	†FSC	168-47
5477DM	†FSC	175-25	7426PCA	none	108-24		†GECB		9040-1-3I	FSC	60-105	9380DM	†FSC	168-48
5480DM	†FSC	168-94	7427PCA	none	88-17	9002-9-3L	†FSC	105-103	9040-1-6A	†FSC	61-14	9380FC	†FSC	168-49
5482DM	†FSC	168-54	7430-9-6A	†GECB	108-25		†GECB		9041-1-3I	†FSC	60-106	9380FM	†FSC	168-50
5490-1-6A	†GECB	155-20	7430N	†ITT	108-26	9002-9-6B	†FSC	105-104		†FSC	98-95	9382DC	†FSC	168-62
5492-1-6A	†GECB	160-46	7430PCA	none	108-27		†GECB		9041-1-6A	†FSC	98-96	9382DM	†FSC	168-63
5493-1-6A	†GECB	160-47	7432FC	FSC	79-2	9002FC	FSC	105-105	9042-1-3I	†FSC	98-97	9382FC	†FSC	168-64
5598BM	†TSC	158-12	7432PCA	none	79-3		GECB		9042-1-6A	†FSC	98-98	9382FM	†FSC	168-65
5598CM	†TSC	158-13	7437FC	FSC	108-28	9003-1-3L	†FSC	105-72	9043-1-3I	†FSC	98-105	9383DC	†FSC	168-81
5603BM	†TSC	160-6	7437PCA	none	108-29		†GECB		9043-1-6A	†FSC	98-106	9383DM	†FSC	168-82
5603CM	†TSC	160-7	7438FC	FSC	108-30	9003-1-6B	†FSC	105-73	9044-1-3I	†FSC	98-107	9383FC	†FSC	168-83
5604BM	TSC	161-85	7438PCA	none	108-31		†GECB		9044-1-6A	†FSC	98-108	9383FM	†FSC	168-84
5604CM	TSC	161-86	7439PC	none	108-32	9003-9-3L	†FSC							

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

DIGITAL	TYPE No.		MFRS		Pg&Line		TYPE No.		MFRS		Pg&Line		TYPE No.		MFRS		Pg&Line	
	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
	9949FC	FSC	101-24	74197PCΔ	none	159-49	Am25S558DC	none	169-17	BL54L55Y	†TII	72-75	CD2314/933	†RCA	132-54			
	9950-1	GECB	56-3	74248PC	none	143-90	Am25S558DM	none	169-18		†TIB		CD23140933	RCA	132-55			
	9950-9	GECB	56-7	74279FC	†FSC	175-22	AmZ8120	none	63-25	BL54L67Y	†TII	40-83	CD2314E833	RCA	132-56			
	9950-9-6A	†GECB	52-95	74283FC	†FSC	168-76	AmZ8121	none	170-3		†TIB		CD2315	RCA	37-29			
		SGAI		74290FC	†FSC	154-42	AND2M	†SCI	131-61	BL54L68Y	†TII	40-84	CD2315D	RCA	37-30			
	9950FC	FSC	52-96	74290DC	†FSC	154-43	AND2Z	†SCI	131-62		†TIB		CD2315E	RCA	37-40			
	9951-1	GECB	148-92	74293DC	†FSC	159-4	AO11-1	CAM	66-43	BL54L69Y	†TII	40-85	CD2316	RCA	37-53			
	9951-9	GECB	149-3	74293FC	†FSC	159-5	AO21-1	CAM	66-35		†TIB		CD2316D	RCA	37-54			
	9958-9-6B	SGAI	153-28	74293PCΔ	none	159-38	API1620	†ANA	176-55	BL74L00Y	†TII	107-22	CD2316E	RCA	37-65			
	9960-9	GECB	139-27	93116DC	†FSC	175-18	AS5505	†TRC	164-84		†TIB		CD2317	RCA	37-31			
	9960-9-6A	SGAI	144-77	93116DM	†FSC	175-19	B01A	SIX	114-15	BL74L20Y	†TII	107-23	CD2317D	RCA	37-32			
	9961FC	FSC	101-25	93116PC	†FSC	175-20	B01B	SIX	114-16		†TIB		CD2317E	RCA	37-41			
		SGAI		93141DC	FSC	141-82	B01F	SIX	125-6	BL74L30Y	†TII	107-24	CD2318	RCA	37-55			
	9963FC	FSC	101-26	93145DC	FSC	143-11	B02A	SIX	114-17		†TIB		CD2318D	RCA	37-56			
	10101E	SIC	81-44	93145DM	FSC	143-12	B02B	SIX	114-18	BL74L55Y	†TII	72-76	CD2318E	RCA	37-66			
	10102E	SIC	85-58	93145FC	FSC	143-13	B02F	SIX	125-7		†TIB		CD2500E	†RCA	143-52			
	10105E	SIC	81-45	93145DM	FSC	143-14	B42-001	†TSC	118-43	BL74L67Y	†TII	40-86	CD2501E	†RCA	143-53			
	10106E	SIC	85-59	93180FC	†FSC	173-3	B100-1	†TID	155-74		†TIB		CD2502E	†RCA	143-54			
	10107E	SIC	129-25	93180DM	†FSC	173-4	B100-2	†TID	155-75	BL74L68Y	†TII	40-87	CD2503E	†RCA	143-55			
	10109E	SIC	81-46	93180FC	†FSC	173-5	B100-10	†TID	152-11		†TIB		CD4000	†RCA	91-67			
	10110E	SIC	78-42	93180FM	†FSC	173-6	B100-50	†TID	155-76	BL74L69Y	†TII	40-88	CD4000AK	†RCA	84-64			
	10111E	SIC	85-57	93180PC	†FSC	173-7	B100-80	†TID	155-79		†TIB		CD4000BK	†RCA	91-61			
	10117E	SIC	80-109	462002	LAI	95-79	B100-82A	†TID	155-77	BL5400Y	†TII	108-35	CD4000D	†RCA	91-68			
	10118E	SIC	80-110	462003	LAI	95-80	B200	†DEC	35-42		†TIB		CD4000E	†RCA	91-66			
	10130E	SIC	62-5	462004	LAI	95-81	B310	†DEC	146-16	BL5401Y	†TII	107-25	CD4000UBK	†RCA	91-62			
	10131E	SIC	62-6	A01A	†SIX	122-6	B651	†EBAS	67-12		†TIB		CD4001	†RCA	89-43			
	22338	DET	146-2	A01F	†SIX	122-7	B652	†EBAS	77-24	BL5410Y	†TII	108-36	CD4001AK	†RCA	84-65			
	27684-01-2-803	CAE	51-92	A02A	†SIX	122-8	B653	†EBAS	66-25		†TIB		CD4001BK	†RCA	84-78			
				A02F	†SIX	122-9	B654	†EBAS	77-25	BL5473Y	†TII	41-109	CD4001BY	RCA	84-79			
	27684-02-2-803	CAE	51-49	A03A	†SIX	47-91	B655	†EBAS	103-96		†TIB		CD4001D	RCA	89-44			
				A03F	†SIX	47-92	B656	†EBAS	85-46	BL5474Y	†TII	62-82	CD4001E	†RCA	89-39			
	27684-03-2-803	CAE	51-50	A04A	†SIX	133-65	B657	†EBAS	77-7		†TIB		CD4001UBK	†RCA	83-58			
				A04F	†SIX	133-66	B658	†EBAS	83-17	BL7400Y	†TII	108-37	CD4002	†RCA	89-45			
	28135	CAE	139-1	A05A	†SIX	122-10	B659	†EBAS	53-15		†TIB		CD4002AK	†RCA	84-66			
	28138	CAE	139-2	A05F	†SIX	122-11	B664	†EBAS	146-11	BL7401Y	†TII	107-26	CD4002BK	†RCA	84-7			
	30007-02-2-801	CAE	134-43	A06A	†SIX	118-55	B665	†EBAS	146-12		†TIB		CD4002D	†RCA	89-46			
				A06F	†SIX	118-56	B680	†EBAS	37-83	BL7410Y	†TII	108-38	CD4002E	†RCA	89-40			
	30007-03-2-801	CAE	134-44	A07A	†SIX	118-57	B690	†EBAS	155-7		†TIB		CD4002UBH	†RCA	84-74			
				A07F	†SIX	118-58	B901	EBAS	165-42	BL7473Y	†TII	42-1	CD4002UBK	†RCA	84-75			
	30009-01-2-801	CAE	134-45	A08A	†SIX	148-103	B902	EBAS	165-44		†TIB		CD4002AK	†RCA	84-66			
				A08F	†SIX	148-104	B903	EBAS	165-46	BL7401Y	†TII	107-26	CD4002BK	†RCA	84-7			
	30013-01-2-801	CAE	134-46	A09A	†SIX	47-93	B904	EBAS	165-48		†TIB		CD4002D	†RCA	89-46			
				A09F	†SIX	47-94	B906	EBAS	165-48	BL7474Y	†TII	62-83	CD4003D	†RCA	63-74			
	30318-01-2-261	CAE	139-80	A10A	†SIX	118-59	B907	EBAS	165-43	BQDC100	APX	163-48	CD4004AD	†RCA	156-47			
				A10F	†SIX	118-60	B908	EBAS	165-49	BT10	XDS	81-31	CD4004AE	†RCA	156-48			
	30318-02-2-261	CAE	139-81	A12A	†SIX	122-12	B1701	EBAS	140-69	BT12	XDS	139-54	CD4004AT	†RCA	156-50			
				A12F	†SIX	122-13	B1711	EBAS	140-70	BT15	XDS	76-75	CD4004E	†RCA	154-102			
	30350-01-2-268	CAE	162-41	A13A	†SIX	122-14	B16701	TSC	105-25	BT16	XDS	76-76	CD4004T	†RCA	154-105			
				A13F	†SIX	122-15	B16751	TSC	78-87	BT18	XDS	76-77	CD4008AK	†RCA	168-25			
	34042DC	†FSC	174-70	A14F	†SIX	122-16	B46701	TSC	105-26	BT27	XDS	78-7	CD4008BK	†RCA	168-22			
	34042DM	†FSC	174-71	A15F	†SIX	122-17	B46751	TSC	78-88	BT31	XDS	66-79	CD4011	†RCA	116-91			
	34042FC	†FSC	174-72	A20A	†SIX	122-18	B885000	†APX	161-77	BTML	WLD	142-89	CD4011AK	†RCA	96-95			
	34042FM	†FSC	174-73	A20F	†SIX	122-19	B885001	†APX	161-76	C3205	†ITL	140-46	CD4011BK	†RCA	97-11			
	34042PC	†FSC	174-74	A26H	WLD	67-30	B892000	†APX	56-105	C040174BC	none	61-39	CD4011BY	RCA	97-12			
	34043DC	†FSC	174-80	A26M	WLD	67-25	B892001	†APX	59-5	C040174BM	none	61-40	CD4011E	†RCA	116-92			
	34043DM	†FSC	174-81	A35H	WLD	67-31	B892002	†APX	59-6	CA3715G	none	33-11	CD4011E	†RCA	116-87			
	34043FC	†FSC	174-82	A35M	WLD	67-26	B892003	†APX	58-106	CC10	XDS	166-79	CD4011UBK	†RCA	96-44			
	34043FM	†FSC	174-83	A41A	†SIX	122-20	B893000	†APX	66-26	CC11	†VDM	164-57	CD4012	†RCA	116-93			
	34043PC	†FSC	174-84	A41F	†SIX	122-21	B893001	†APX	66-27	CC335	†EMC	157-55	CD4012AK	†RCA	96-96			
	34044DC	†FSC	174-85	A42A	†SIX	122-22	B893002	†APX	77-75	CC355	†EMC	157-53	CD4012BK	†RCA	96-45			
	34044DM	†FSC	174-86	A42F	†SIX	122-23	B893003	†APX	77-76	CC365	†EMC	157-56	CD4012D	†RCA	116-94			
	34044FC	†FSC	174-87	A43A	†SIX	47-95	B893004	†APX	78-72	CC601	†CEQ	140-71	CD4012E	†RCA	116-88			
	34044FM	†FSC	174-88	A43F	†SIX	47-96	B893007	†APX	78-66	CC701	†CEQ	142-56	CD4012UBK	†RCA	97-8			
	34044PC	†FSC	174-89	A44A	†SIX	133-67	B895001	†APX	151-37	CC801	†CEQ	140-72	CD4012UBK	†RCA	97-13			
	34099DC	†FSC	175-34	A44F	†SIX	133-68	B895003	†APX	149-73	CD1867E	none	174-56	CD4013	†RCA	63-69			
	34099DM	†FSC	175-35	A44H	WLD	67-32	B895004	†APX	151-40	CD2100	†RCA	82-27	CD4013AK	†RCA	61-67			
	34099FC	†FSC	175-36	A44M	WLD	67-27	B/BCD22	†SCI	144-76	CD2101	†RCA	91-49	CD4013BK	†RCA	61-68			
	34099FM	†FSC	175-37	A45A	†SIX	118-61	BC1	†CLC	157-103	CD2150								

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

DIGITAL

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
CD4043BH	RC	174-57	CM4045AD	SOD	151-61	CTL100P/N12SQ	ELLB	149-5	DBAO1034YAN	SSE	65-73			
CD4043BK	RC	174-58	CM4045AE	SOD	151-62		ELLB	101-35	DBAO1034YB	SSE	65-74			
CD4044AK	RC	174-59	CM4117AD	SOD	143-56	CTL100P/N12SSQ	ELLB	101-36	DBAO1034YBN	SSE	65-75			
CD4044BH	RC	174-60	CM4117AE	SOD	143-57		ELLB	101-37	DBAO1034YC	SSE	65-76			
CD4044BK	RC	174-61	CM4117AF	SOD	143-58	CTL100P/N24LSQ	ELLB	101-38	DBAO1034YCN	SSE	65-77			
CD4045AK	RC	151-63	CM7283	WAL	155-103		EEC	58-49	DBAO1034YD	SSE	65-78			
CD4047AK	RC	164-81	CM7653	WAL	34-3	CTL100P/N24PB	EEC	36-39	DBAO1034YDN	SSE	65-79			
CD4048AK	RC	176-61	CM8603	WAL	156-34		EEC	36-40	DBAO1034Z	SSE	65-36			
CD4055AD	RC	143-69	CM8623	WAL	34-7	CTL250N312SQ	EEC	119-83	DBAO1034ZAN	SSE	65-37			
CD4055AE	RC	143-70	CM8663	WAL	147-106		EEC	119-84	DBAO1034ZB	SSE	65-38			
CD4055AH	RC	143-46	CM10133	WAL	155-107	CTL250P312SQ	EEC	119-85	DBAO1034ZBN	SSE	65-39			
CD4055AK	RC	143-71	CM10243	WAL	156-53		EEC	119-86	DBAO1034ZC	SSE	65-40			
CD4056AD	RC	143-72	CM866031	WAL	156-55	CTL250P3128PB	EEC	119-87	DBAO1034ZCN	SSE	65-41			
CD4056AE	RC	143-73	CO1	ROA	165-56		EEC	99-100	DBAO1034ZDN	SSE	65-42			
CD4056AH	RC	143-74	CO231L	VEL	166-34	CTL250P412S28MPB	EEC	119-88	DBAO1034ZDN	SSE	65-43			
CD4056AK	RC	143-74	CO233M	VEL	166-13		EEC	119-89	DBC01171	SSE	165-84			
CD4057AK	RC	171-1	CO237	VEL	166-35	CTL250P/N12SQ	EEC	52-32	DBC01171XA	SSE	165-102			
CD4059AH	RC	167-2	CO238	VEL	165-55		EEC	57-82	DBC01171XAN	SSE	165-103			
CD4059AK	RC	167-2	CO409	TRC	166-22	CTL250P/N24LSQ	EEC	148-68	DBC01171XB	SSE	165-104			
CD4060AH	RC	156-104	CO5509	TRC	165-79		EEC	166-60	DBC01171XBN	SSE	165-105			
CD4060AK	RC	157-38	CP20	HIS	140-75	CTL250P/N28PB	EEC	131-7	DBC01171XC	SSE	165-106			
CD4063BK	RC	170-4	CP21	HIS	140-76		EEC	141-21	DBC01171XCN	SSE	165-107			
CD4068BH	RC	96-58	CS700G	SIC	122-99	CTP5P12DSQ	EEC	163-33	DBC01171XD	SSE	165-108			
CD4068BK	RC	97-2	CS700K	SIC	122-100	CTP5P24DSQ	EEC	154-109	DBC01171XDN	SSE	165-109			
CD4070BK	RC	128-69	CS701G	SIC	122-101	CTR100P/N6MSQ	EEC	161-61	DBC01171YA	SSE	165-94			
CD4071BH	RC	77-48	CS701K	SIC	122-102		EEC	140-55	DBC01171YAN	SSE	165-110			
CD4071BK	RC	77-69	CS704G	SIC	56-38	CTR100P/N12MSQ	EEC	76-66	DBC01171YB	SSE	165-95			
CD4072BH	RC	77-49	CS704K	SIC	56-39		EEC	99-101	DBC01171YBN	SSE	166-1			
CD4072BK	RC	77-70	CS705G	SIC	131-63	CTR100P/N12LSQ	EEC	139-3	DBC01171YC	SSE	165-96			
CD4073BH	RC	64-83	CS705K	SIC	131-64		EEC	141-22	DBC01171YCN	SSE	166-2			
CD4073BK	RC	64-105	CS709G	SIC	132-58	CTR100P/N12SMSQ	EEC	44-52	DBC01171YD	SSE	165-97			
CD4075BH	RC	77-50	CS709K	SIC	132-59		EEC	36-41	DBC01171YDN	SSE	166-3			
CD4075BK	RC	77-71	CS715K	SIC	102-47	CTR100P/N24LSQ	EEC	114-4	DBC01171Z	SSE	165-86			
CD4077BK	RC	138-62	CS716K	SIC	122-103		EEC	114-5	DBC01171ZAN	SSE	166-4			
CD4078BK	RC	84-21	CS720J	SIC	122-66	CTR100P/N24MSQ	EEC	150-63	DBC01171ZB	SSE	165-87			
CD4078BK	RC	84-69	CS721J	SIC	122-67		EEC	150-64	DBC01171ZBN	SSE	166-5			
CD4081BH	RC	64-84	CS727J	SIC	122-68	CTR100P/N24PB	EEC	159-51	DBC01171ZC	SSE	165-88			
CD4081BK	RC	64-106	CS729J	SIC	56-20		EEC	154-55	DBC01171ZCN	SSE	166-6			
CD4082BH	RC	64-85	CS730J	SIC	122-69	CTR250P/N24PB	EEC	114-6	DBC01171ZDN	SSE	165-89			
CD4082BK	RC	64-107	CS731J	SIC	132-60		EEC	114-7	DBFF1005	SSE	48-18			
CD4085BH	RC	72-3	CS732J	SIC	132-61	CTR500P/N12MSQ	EEC	166-31	DBFF1005XA	SSE	48-18			
CD4085BK	RC	72-5	CT10	XDS	166-78		EEC	34-77	DBFF1005XB	SSE	48-72			
CD4086BH	RC	72-4	CT16	XDS	166-76	CTR500P/N12SMSQ	EEC	77-35	DBFF1005XC	SSE	48-73			
CD4086BK	RC	72-6	CT101B3	EEC	56-97		EEC	77-36	DBFF1005XD	SSE	48-74			
CD4089BK	RC	167-11	CT102A4	EEC	61-8	CTR500P/N24LSQ	EEC	77-37	DBFF1005XN	SSE	48-75			
CD4093E	none	96-22	CT104-2	EEC	164-64		EEC	83-80	DBFF1005XCN	SSE	48-76			
CD4095BK	RC	34-97	CT162-4	EEC	53-11	CTR500P/N24MSQ	EEC	34-78	DBFF1005XDN	SSE	48-77			
CD4096BK	RC	34-98	CT166-4	EEC	146-31		EEC	51-91	DBFF1005XD	SSE	48-78			
CD4098BK	RC	148-3	CT301A3	EEC	60-95	CTR750N12MSQ	EEC	139-100	DBFF1005YAN	SSE	48-79			
CD4099BK	RC	175-39	CT303-2	EEC	61-5		EEC	165-61	DBFF1005YA	SSE	48-52			
CD4508BK	RC	174-90	CT308-3	EEC	85-42	CTR750P12MSQ	EEC	131-60	DBFF1005YB	SSE	48-53			
CD4510BK	RC	152-50	CT410A3	EEC	66-95		EEC	148-1	DBFF1005YBN	SSE	48-54			
CD4511BK	RC	143-59	CT411-3	EEC	66-96	CTuL952	TSC	60-39	DBFF1005YCN	SSE	48-55			
CD4516BK	RC	156-85	CT413-3	EEC	66-97		TSC	60-40	DBFF1005YD	SSE	48-56			
CD4518BK	RC	152-67	CT421A4	EEC	129-18	CTuL953	FSC	76-89	DBFF1005YDN	SSE	48-57			
CD4518BK	RC	152-79	CT422-4	EEC	129-19		EEC	76-90	DBFF1005YD	SSE	48-59			
CD4520BK	RC	156-109	CT423A3	EEC	129-20	CTuL954	FSC	76-83	DBFF1005ZA	SSE	48-20			
CD4520BK	RC	157-40	CT430-4	EEC	78-11		EEC	65-94	DBFF1005ZB	SSE	48-21			
CD4527BK	RC	167-8	CT434-3	EEC	66-98	CTuL955	FSC	65-8	DBFF1005ZC	SSE	48-22			
CD4555BK	RC	140-2	CT437-3	EEC	85-38		EEC	65-96	DBFF1005ZD	SSE	48-23			
CD4555BK	RC	139-102	CT438-3	EEC	103-94	CTuL956	FSC	65-98	DBFF1005ZB	SSE	48-24			
CD4556BK	RC	140-3	CT439-4	EEC	66-99		EEC	65-98	DBFF1005ZC	SSE	48-25			
CD4556BK	RC	139-103	CT448-2	EEC	66-100	CTuL957	FSC	35-15	DBFF1005ZD	SSE	48-26			
CD40102AD	RC	173-13	CT601-2	EEC	66-101		EEC	65-56	DBFF1005ZD	SSE	48-27			
CD40102AE	RC	152-45	CT602-2	EEC	78-12	CTuL964	FSC	64-1	DBFF1005ZD	SSE	58-1			
CD40102AF	RC	152-46	CT628-2	EEC	141-44	CTuL965	FSC	64-2	DBFF1016XA	SSE	58-27			
CD40102AK	RC	152-47	CT633-2	EEC	56-61		EEC	65-59	DBFF1016XB	SSE	58-28			
CD40102AL	RC	152-48	CT641-2	EEC	66-102	CTuL967	FSC	35-14	DBFF1016XC	SSE	58-29			
CD40102AP	RC	152-49	CT642-2	EEC	80-95		EEC	65-60	DBFF1016XD	SSE	58-30			
CD40102BK	RC	152-93	CT643-2	EEC	56-62	CTuL997279	FSC	80-100	DBFF1016Y	SSE	58-17			
CD40102BY	RC	152-92	CT645-2	EEC	85-39	CuL958	FSC	152-2	DBFF1016YB	SSE	58-18			
CD40103AD	RC	156-80	CT650-2	EEC	70-76		EEC	65-20	DBFF1016YCN	SSE	58-19			
CD40103AE	RC	156-81	CT651-2	EEC	80-96	CX13	XDS	166-62	DBFF1016YD	SSE	58-20			
CD40103AF	RC	156-82	CT654-3	EEC	52-67	CX14	XDS	166-63	DBFF1016YDN	SSE	58-21			
CD40103AK	RC	156-83	CT655A3	EEC	51-107	CX18	XDS	166-68	DBFF1016YDN	SSE	58-22			
CD40103AY	RC	156-84	CT656	EEC	77-106	D132AL	SIX	176-104	DBFF1016Z	SSE	58-3			
CD40103BK	RC	157-51	CT801A2	EEC	60-99	D132AP	SIX	176-105	DBFF1016ZB	SSE	58-4			
CD40103BY	RC	157-50	CT802-2	EEC	70-80	D132BL	SIX	176-106	DBFF1016ZC	SSE	58-5			
CD40110BD	none	162-92	CT805-2	EEC	129-24	D132BP	SIX	176-107	DBFF1016ZD	SSE	58-6			
CD40182BK	RC	172-8	CTD100N24DSQ	EEC	176-81	D930-1R	ELLB	101-27	DBFF1016ZD	SSE	58-7			
CD40192BK	RC	152-41		EEC		D930-1R	ELLB	101-28	DBFF1016ZD	SSE	58-8			
CD40192BK	RC	152-42	CTD100N24LSQ	EEC	176-82	D930-1R	ELLB	101-29	DBFF1016ZD	SSE	58-9			
CD40193BK	RC	156-57		EEC		D930-1R	ELLB	101-30	DBFF1016ZD	SSE	58-10			
CD40193BK	RC	156-58	CTD100P6DSQ											

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

DIGITAL	TYPE No.			MFRS			Pg&Line			TYPE No.			MFRS			Pg&Line			TYPE No.			MFRS			Pg&Line		
	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line			
	DBFF1028ZDN	SSE	48-43	DCO1MFF3	CLC	84-90	DC10CFF1	CLC	51-83	DCFF1005XC	SSE	48-86	D130	HIS	117-96												
	DBMV1192	SSE	164-86	DCO1MFF4	CLC	51-72	DC10CFF3	CLC	59-58	DCFF1005XD	SSE	48-87	D131	HIS	103-92												
	DBMV1192XA	SSE	164-108	DCO1MNG2	CLC	95-105	DC10CFF4	CLC	59-59	DCFF1005YA	SSE	48-84	D135	HIS	117-101												
	DBMV1192XAN	SSE	164-109	DCO1MSAN3	CLC	64-22	DC10CNG2	CLC	96-5	DCFF1005YB	SSE	48-65	D136	HIS	103-93												
	DBMV1192XBN	SSE	164-110	DCO1MSAN8	CLC	64-23	DC10CNG4	CLC	96-6	DCFF1005YC	SSE	48-66	D130	HIS	123-100												
	DBMV1192XCN	SSE	165-1	DCO1MSAN3	CLC	164-79	DC10CPS1	CLC	147-71	DCFF1005YD	SSE	48-67	D1320	HIS	102-89												
	DBMV1192XCN	SSE	165-2	DCO1MSAN3	CLC	147-91	DC10CSN4	CLC	64-55	DCFF1005ZA	SSE	48-44	D1335	HIS	102-99												
	DBMV1192XCN	SSE	165-3	DCO1MSAN3	CLC	51-57	DC10MAN3	CLC	64-56	DCFF1005ZB	SSE	48-45	D1340	HIS	116-79												
	DBMV1192XCN	SSE	165-4	DCO1MSAN3	CLC	51-60	DC10MAN8	CLC	64-57	DCFF1005ZC	SSE	48-46	DJ20	HIS	117-92												
	DBMV1192XCN	SSE	165-5	DCO1MSAN3	CLC	51-58	DC10MCM1	CLC	164-74	DCFF1005ZD	SSE	48-47	DJ30	HIS	117-97												
	DBMV1192XCN	SSE	164-100	DCO1MSAN3	CLC	51-59	DC10MDF1	CLC	147-72	DCFF1016	SSE	58-2	DJ35	HIS	117-102												
	DBMV1192XCN	SSE	164-101	DCO1MSAN3	CLC	95-95	DC10MFF1	CLC	51-84	DCFF1016XA	SSE	58-35	DJ130	HIS	123-101												
	DBMV1192XCN	SSE	164-102	DC1	CLC	181-70	DC10MFF3	CLC	51-85	DCFF1016XB	SSE	58-36	DJ335	HIS	102-94												
	DBMV1192XCN	SSE	164-103	DC1A	CLC	181-71	DC10MFF4	CLC	51-86	DCFF1016XC	SSE	58-37	DJ320	HIS	102-90												
	DBMV1192XCN	SSE	164-104	DC1CAN3	CLC	84-40	DC10MFF5	CLC	54-92	DCFF1016XD	SSE	58-38	DL20	HIS	103-104												
	DBMV1192XCN	SSE	164-105	DC1CAN8	CLC	84-41	DC10MFF10	CLC	51-87	DCFF1016YA	SSE	58-23	DL30	HIS	103-108												
	DBMV1192XCN	SSE	164-106	DC1CBDC1	CLC	139-23	DC10MNG2	CLC	96-7	DCFF1016YB	SSE	58-24	DL35	HIS	103-109												
	DBMV1192XCN	SSE	164-107	DC1CBDC1	CLC	139-41	DC10MNG4	CLC	96-8	DCFF1016YC	SSE	58-25	DL130	HIS	123-102												
	DBMV1192XCN	SSE	164-88	DC1CCG1	CLC	166-56	DC10MSN4	CLC	64-58	DCFF1016YD	SSE	58-26	DL320	HIS	102-91												
	DBMV1192XCN	SSE	164-89	DC1CCM1	CLC	165-33	DC20	HIS	117-89	DCFF1016ZA	SSE	58-11	DL335	HIS	102-100												
	DBMV1192XCN	SSE	164-90	DC1CCTR2	CLC	155-101	DC21	CLC	161-69	DCFF1016ZB	SSE	58-12	DLMD	WLD	141-42												
	DBMV1192XCN	SSE	164-91	DC1CDD1	CLC	163-35	DC30	HIS	117-94	DCFF1016ZC	SSE	58-13	DM01	HIS	147-88												
	DBMV1192XCN	SSE	164-92	DC1CDD1	CLC	150-80	DC31	CLC	161-62	DCFF1016ZD	SSE	58-14	DM11-1	CAM	66-44												
	DBMV1192XCN	SSE	164-93	DC1CFF1	CLC	51-73	DC35	HIS	117-99	DCFF1026XA	SSE	60-89	DM11-2	CAM	66-45												
	DBMV1192XCN	SSE	164-94	DC1CFF4	CLC	59-54	DC50CSAN3	CLC	64-10	DCFF1026XB	SSE	48-88	DM11-3	CAM	66-46												
	DBMV1192XCN	SSE	164-95	DC1CNG2	CLC	59-55	DC50CSAN8	CLC	64-11	DCFF1026XC	SSE	48-89	DM11-4	CAM	66-47												
	DBMV1192XCN	SSE	150-98	DC1CNG2	CLC	95-106	DC50CSCTR2	CLC	156-14	DCFF1026XD	SSE	48-90	DM13	HIS	150-96												
	DBMV1192XCN	SSE	151-20	DC1CNG4	CLC	95-107	DC50CSDD1	CLC	163-40	DCFF1026YE	SSE	48-91	DM20	HIS	148-32												
	DBMV1192XCN	SSE	151-21	DC1COG3	CLC	77-26	DC50CSFF1	CLC	51-52	DCFF1026YF	SSE	48-68	DM20A	HIS	148-33												
	DBMV1192XCN	SSE	151-22	DC1COG5	CLC	77-27	DC50CSFF3	CLC	59-45	DCFF1026YG	SSE	48-69	DM23	HIS	150-97												
	DBMV1192XCN	SSE	151-23	DC1COG5	CLC	147-65	DC50CSFF4	CLC	59-46	DCFF1026YH	SSE	48-70	DM30	HIS	148-37												
	DBMV1192XCN	SSE	151-24	DC1CSA4	CLC	84-42	DC50CSG1	CLC	166-58	DCFF1026YI	SSE	48-71	DM30A	HIS	148-38												
	DBMV1192XCN	SSE	151-25	DC1CSA4	CLC	84-43	DC50CSG2	CLC	95-82	DCFF1026Z	SSE	48-48	DM35	HIS	148-44												
	DBMV1192XCN	SSE	151-26	DC1CSA8	CLC	84-44	DC50CSG4	CLC	95-83	DCFF1026ZB	SSE	48-49	DM35A	HIS	148-45												
	DBMV1192XCN	SSE	151-27	DC1CSA8	CLC	84-44	DC50CSG4	CLC	95-83	DCFF1026ZC	SSE	48-49	DM35A	HIS	148-45												
	DBMV1192XCN	SSE	151-28	DC1MCM1	CLC	184-71	DC50CSPS1	CLC	147-81	DCFF1026ZD	SSE	48-50	DM78L75D	HIS	152-7												
	DBMV1192XCN	SSE	151-29	DC1MCM1	CLC	147-66	DC50CSN4	CLC	64-12	DCFF1026ZE	SSE	48-51	DM78L75W	HIS	152-8												
	DBMV1192XCN	SSE	151-30	DC1MCM1	CLC	51-74	DC50CSAN3	CLC	64-13	DCMV1192	SSE	164-87	DM78L78D	HIS	156-3												
	DBMV1192XCN	SSE	151-31	DC1MFF3	CLC	51-75	DC50CSAN8	CLC	64-14	DCMV1192XA	SSE	165-6	DM78L78W	HIS	156-4												
	DBMV1192XCN	SSE	151-32	DC1MFF4	CLC	51-76	DC50MSAN3	CLC	164-78	DCMV1192XB	SSE	165-7	DM78L93D	HIS	156-5												
	DBMV1192XCN	SSE	151-33	DC1MFF5	CLC	54-91	DC50MSAN8	CLC	147-82	DCMV1192XC	SSE	165-8	DM88L75W	HIS	152-9												
	DBMV1192XCN	SSE	151-34	DC1MLD1G	CLC	139-24	DC50MSFF1	CLC	51-53	DCMV1192XD	SSE	165-9	DM88L78W	HIS	156-5												
	DBMV1192XCN	SSE	151-13	DC1MLD2G	CLC	139-25	DC50MSFF3	CLC	54-86	DCMV1192YE	SSE	165-10	DM88L93D	HIS	156-7												
	DBMV1192XCN	SSE	151-14	DC1MNG2	CLC	95-108	DC50MSFF4	CLC	51-54	DCMV1192YB	SSE	165-11	DM130	HIS	149-27												
	DBMV1192XCN	SSE	150-100	DC1MNG4	CLC	95-109	DC50MSFF5	CLC	54-87	DCMV1192YC	SSE	165-12	DM335	HIS	149-31												
	DBMV1192XCN	SSE	150-101	DC1MNG4	CLC	77-28	DC50MSNG2	CLC	95-84	DCMV1192YD	SSE	165-13	DM338	HIS	147-80												
	DBMV1192XCN	SSE	150-102	DC1MOS3	CLC	77-29	DC50MSNG4	CLC	95-85	DCMV1192ZA	SSE	164-96	DM337	HIS	148-50												
	DBMV1192XCN	SSE	150-103	DC1MOS5	CLC	165-50	DC50MSOS1	CLC	165-57	DCMV1192ZB	SSE	164-97	DM340	HIS	166-36												
	DBMV1192XCN	SSE	150-104	DC1MOS5	CLC	84-45	DC50MSOS4	CLC	64-15	DCMV1192ZC	SSE	164-98	DM341	HIS	166-37												
	DBMV1192XCN	SSE	151-1	DC1MVC6G	CLC	139-28	DC130	HIS	117-86	DCMV1192ZD	SSE	164-99	DM3510B	HIS	149-83												
	DBMV1192XCN	SSE	151-2	DC2	CLC	181-72	DC335	HIS	102-96	DCOS1193	SSE	150-99	DM3520B	HIS	149-84												
	DBMV1192XCN	SSE	151-3	DC2CAN3	CLC	84-46	DC336	HIS	116-78	DCOS193XA	SSE	151-28	DM3710B	HIS	149-81												
	DBMV1192XCN	SSE	132-20	DC2CAN8	CLC	84-47	DC340	HIS	161-54	DCOS193XB	SSE	151-29	DM3720B	HIS	149-82												
	DBMV1192XCN	SSE	132-21	DC2CCG1	CLC	166-57	DC356	HIS	16																		

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

DIGITAL

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
DNXD	WLD	141-43	DTuL963#1	FSC	119-78	EM5003	EMC	84-100	FCH142	APX	93-15	FF4425C	INI	49-12
DO320	HIS	141-30		SGAI		EM5004	EMC	84-101	PHIN	RTCF		FF4515C	INI	49-8
DOX01	STK	166-14	DTuL963#2	FSC	119-79	EM5005	EMC	84-102	FCH152	APX	93-16	FF4525C	INI	49-3
DOX01F	STK	166-15		SGAI		EM5007	EMC	146-100	PHIN	RTCF		FF4714C	INI	49-4
DOX02	STK	166-18	DV600#1	HBC	176-72	EM5008	EMC	64-68	FCH162	APX	93-17	FF4724C	INI	59-23
DOX02F	STK	166-19	DV600#2	HBC	176-73	EM5009	EMC	64-69	PHIN	RTCF		FF5414B	INI	59-24
DOX03A	STK	177-19	E001	E001	163-34	EM5011	EMC	164-58		VALG		FF5424B	INI	59-23
DOX03B	STK	177-20	E11001	TSC	134-64	EM5071	EMC	84-103	FCH172	APX	93-18	FF5514B	INI	59-21
DR871	EMC	107-50	E11004	TSC	134-65	E011-1	CAM	131-24	PHIN	RTCF		FF5524B	INI	59-22
DR872	EMC	107-51	E11008	TSC	134-66	E021-1	CAM	131-23		VALG		FF5713B	INI	59-19
DR873	EMC	113-97	E12001	TSC	131-65	E0335	HIS	129-13	FCH182	APX	93-19	FF5723B	INI	59-20
DR972	EMC	113-106	E41001	TSC	134-67	EOL	WLD	131-31	PHIN	RTCF		FF6317C	INI	58-94
DS20	HIS	148-34	E41008	TSC	134-68	F001	HSE	60-92	FCH192	APX	93-20	FF6327C	INI	58-95
DS20A	HIS	148-35	E42001	TSC	131-66	F003	HSE	58-80	PHIN	RTCF		FF6415C	INI	58-100
DS30	HIS	148-39	ECL2500	PHIN	81-51	F005-1	HSE	164-25		VALG		FF6425C	INI	58-101
DS30A	HIS	148-40		PHIN		F005-2	HSE	164-23	FCH222	APX	93-21	FF6515C	INI	58-98
DS35	HIS	148-46	ECL2501	PHIN	81-52	F005-3	HSE	164-24	PHIN	RTCF		FF6525C	INI	58-99
DS35A	HIS	148-47		PHIN		F50	MON	34-74		VALG		FF6714C	INI	58-96
DS130	HIS	149-28	ECL2502	PHIN	81-53	F1822A	UNC	162-27	FCH232	RTCF	119-82	FF6724C	INI	58-97
DTL393051	SSD	122-48		PHIN		F1822B	UNC	155-73	FCJ102	APX	36-80	FF7317E	INI	49-15
DTL393059	SSD	122-34	ECL2503	PHIN	81-54	F1831	UNC	162-25	PHIN	RTCF		FF7327E	INI	49-16
DTL393251	SSD	122-49		PHIN		F1832A	UNC	162-26		VALG		FF7416C	INI	49-13
DTL393259	SSD	122-35	ECL2504	PHIN	81-55	F10010FC	FSC	153-24	FCK101	APX	151-54	FF7426C	INI	49-14
DTL393351	SSD	133-61		PHIN		F10010PC	FSC	153-25	MULB	PHIN		FF7515C	INI	49-9
DTL393359	SSD	133-69	ECL2505	PHIN	81-56	F10016FC	FSC	157-94		RTCF		FF7525C	INI	49-10
DTL394451	SSD	121-50		PHIN		F10016PC	FSC	157-95	FCK102	PHIN	148-88	FF7714C	INI	49-5
DTL394459	SSD	122-36	ECL2506	PHIN	81-57	F10100FC	FSC	91-84		RTCF		FF7724C	INI	49-6
DTL394551	SSD	58-50		PHIN		F10100PC	FSC	91-85	FCK102Q	PHIN	150-91	FF8317E	INI	56-94
DTL394559	SSD	58-72	ECL2507	PHIN	81-58	F10101FC	FSC	81-94	FCL111	APX	139-35	FF8327E	INI	56-95
DTL394651	SSD	121-51		PHIN		F10101PC	FSC	81-95		RTCF		FF8416C	INI	56-92
DTL394659	SSD	122-37	ECL2508	PHIN	81-59	F10102FC	FSC	86-10	FCY102	APX	132-67	FF8426C	INI	56-93
DTL394851	SSD	58-51		PHIN		F10102PC	FSC	86-11		PHIN		FF8515C	INI	56-90
DTL394859	SSD	58-73	ECL2509	PHIN	81-60	F10103FC	FSC	86-12	FEJ271	MULB	152-17	FF8525C	INI	56-91
DTL395051	SSD	52-72		PHIN		F10103PC	FSC	86-13		VALG		FF8714C	INI	56-88
DTL395059	SSD	52-97	ECL2510	PHIN	81-61	F10104FC	FSC	67-40	FF4	SCI	37-16	FF8724C	INI	56-89
DTL395151	SSD	148-101		PHIN		F10104PC	FSC	67-41	FF11-1	CAM	53-21	FFD04	TRC	34-12
DTL395159	SSD	148-108	ECL2511	PHIN	81-62	F10105FC	FSC	81-96	FF11-2	CAM	59-86	FFH101A2	RTCF	122-104
DTL396251	SSD	121-52		PHIN		F10105PC	FSC	81-97	FF11-3	CAM	61-7	FFH101C1	RTCF	122-105
DTL396259	SSD	122-38	ECL2512	PHIN	81-63	F10106FC	FSC	86-14	FF11-4	CAM	37-95	FFH102A2	RTCF	102-48
DTL693051	SSD	121-53		PHIN		F10106PC	FSC	86-15	FF14	VDM	55-49	FFH102C1	RTCF	102-49
DTL693059	SSD	122-39	ECL2513	PHIN	81-64	F10107FC	FSC	130-98	FF16	VDM	55-50	FFH111A2	RTCF	122-106
DTL693251	SSD	121-54		PHIN		F10107PC	FSC	130-99	FF20	HIS	55-38	FFH111C1	RTCF	122-107
DTL693259	SSD	122-40	ECL2515	PHIN	81-65	F10109FC	FSC	81-98	FF21-1	CAM	53-17	FFH112A2	RTCF	102-50
DTL693351	SSD	133-62		PHIN		F10109PC	FSC	82-1	FF21-2	CAM	59-84	FFH112C1	RTCF	102-51
DTL693359	SSD	133-70	ECL2516	PHIN	81-66	F10110FC	FSC	78-45	FF21-3	CAM	133-92	FFH121A2	RTCF	121-36
DTL694451	SSD	121-55		PHIN		F10110PC	FSC	78-46	FF21-4	CAM	37-84	FFH121C1	RTCF	121-37
DTL694459	SSD	122-41	ECL2517	PHIN	139-51	F10111FC	FSC	86-16	FF24	VDM	55-52	FFH122A2	RTCF	101-22
DTL694551	SSD	58-52		PHIN		F10111PC	FSC	86-17	FF26	VDM	55-53	FFH122C1	RTCF	101-23
DTL694559	SSD	58-74	ECL2520	PHIN	81-67	F10113FC	FSC	129-38	FF30	HIS	55-40	FFH131A2	RTCF	102-14
DTL694651	SSD	121-56		PHIN		F10113PC	FSC	129-39	FF31-1	CAM	53-22	FFH131C1	RTCF	102-15
DTL694659	SSD	122-42	ECL2521	PHIN	81-68	F10117FC	FSC	81-34	FF32	VDM	55-54	FFH132A2	RTCF	102-16
DTL694851	SSD	58-53		PHIN		F10117PC	FSC	81-35	FF34	VDM	55-55	FFH132C1	RTCF	102-17
DTL694859	SSD	58-75	ECL2522	PHIN	81-69	F10118FC	FSC	81-1	FF35	HIS	55-42	FFH141A2	RTCF	102-52
DTL695051	SSD	52-73		PHIN		F10118PC	FSC	81-2	FF104	TRC	54-102	FFH141C1	RTCF	102-53
DTL695059	SSD	52-98	ECL2523	PHIN	81-70	F10119FC	FSC	81-3	FF130	HIS	55-31	FFH142A2	RTCF	102-54
DTL695151	SSD	148-102		PHIN		F10119PC	FSC	81-4	FF203	TRC	54-103	FFH142C1	RTCF	102-55
DTL695159	SSD	148-109	ECL2540	PHIN	37-96	F10121FC	FSC	81-36	FF204	TRC	54-104	FFJ101A2	RTCF	56-34
DTL696251	SSD	121-57		PHIN		F10121PC	FSC	81-37	FF205	TRC	54-105	FFJ101C1	RTCF	56-35
DTL696259	SSD	122-43	ECL2541	PHIN	53-23	F10130FC	FSC	174-13	FF303	TRC	54-95	FFJ102A2	RTCF	56-36
DTN213	TRC	86-40		PHIN		F10130PC	FSC	174-14	FF304	TRC	54-96	FFJ102C1	RTCF	56-37
DTN313	TRC	84-91	ECL2542	PHIN	53-24	F10131FC	FSC	61-104	FF305	TRC	54-97	FFJ101A2	RTCF	132-68
DTN413	TRC	85-4		PHIN		F10131PC	FSC	61-105	FF320	HIS	53-7	FFJ101C1	RTCF	132-69
DTND14	TRC	84-90	EG1415B	INI	129-92	F10133FC	FSC	174-15	FF335	HIS	53-8	FFJ102A2	RTCF	132-70
DTuL930#1	ELLB	119-64	EG1425B	INI	129-93	F10133PC	FSC	174-16	FF402	TRC	56-67	FFJ102C1	RTCF	132-71
FSC	SGAI		EG1514B	INI	129-90	F10135FC	FSC	38-11	FF403	TRC	54-106	FFJ111A2	RTCF	132-72
DTuL930#2	ELLB	119-65	EG1524B	INI	129-91	F10135PC	FSC	38-12	FF404	TRC	54-107	FFJ111C1	RTCF	132-73
FSC	SGAI		EG1713B	INI	129-88	F10136FC	FSC	163-58	FF405	TRC	54-108	FFJ112A2	RTCF	132-74
DTuL931	FSC	47-78	EG1723B	INI	129-89	F10137FC	FSC	161-65	FF634	CEQ	57-86	FFJ112C1	RTCF	132-75
SGAI	EM2500		EM2500	EMC	55-81	F10153FC	FSC	174-17	FF641	CEQ	53-83	FFH15	XDS	48-14
DTuL932#1	ELLB	119-66	EM2501	EMC	58-41	F10153PC	FSC	174-18	FF642	CEQ	56-99	FFH17	XDS	58-82
FSC	SGAI		EM2502	EMC	55-15	F10160FC	FSC	173-26	FF643	CEQ	57-87	FFH18	XDS	48-15
DTuL932#2	ELLB	119-67	EM2503	EMC	98-51	F10160PC	FSC	173-27	FF645	CEQ	53-84	FFH19	XDS	55-35
FSC	SGAI		EM2503A	EMC	98-52	F10166FC	FSC	170-7	FF734	CEQ	57-88	FFH20	XDS	48-100
DTuL933#1	ELLB	131-99	EM2504	EMC	84-104	F10168FC	FSC	175-9	FF741	CEQ	53-85	FHH101A	APX	114-8
FSC	SGAI		EM2504A	EMC	84-105	F10168PC	FSC	175-10	FF742	CEQ	56-100			
DTuL933#2	ELLB	131-100	EM2506	EMC	146-57	F10170FC	FSC	173-22	FF743	CEQ	57-89	FHH101B	APX	114-9
FSC	SGAI		EM2506S2	EMC	147-56	F10175FC	FSC	175-29	FF745	CEQ	53-86			
DTuL944#1	ELLB	119-68	EM2507	EMC	105-2	F10175PC	FSC	175-30	FF834	CEQ	57-90	FHH121A	APX	114-10
FSC	SGAI		EM2508	EMC	67-57	F10179FC	FSC	172-11	FF841	CEQ	53-89			
DTuL944#2	ELLB	119-69	EM2508A	EMC	67-58									

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

DIGITAL	TYPE No.		MFRS		Pg&Line		TYPE No.		MFRS		Pg&Line		TYPE No.		MFRS		Pg&Line	
	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
	FJB9317	MULB	144-97	FJJ191			FuL93129	FSC	51-97	GA211	ECC	53-88	GFB7493	RTCF	160-42			
	FJB9321	MULB	144-81	(cont.)				SGAI		GA221	ECC	49-18	GFB74107	RTCF	41-47			
	FJB9329	MULB	54-20	◆PHIN	◆MULB		FuL93229	FSC	97-38	GA223	ECC	104-98	GFB74121	RTCF	151-44			
	FJB9330	MULB	140-103	FJJ196	◆MULB	41-42		SGAI		GA224	ECC	164-67	GFB74141	RTCF	141-84			
	FJB9331	MULB	62-49	FJJ211	◆MULB	160-40	FuL93329	FSC	132-77	GA225	ECC	34-2	GFB74154	RTCF	140-20			
	FJB9352	MULB	140-104		RTCF			SGAI		GA301	ECC	38-20	GFB74193	◆RTCF	159-8			
	FJB9357	MULB	143-35	FJJ211Δ	APX	162-102	FuL94429	FSC	97-39	GA303	ECC	86-87	GFF1-1	RTN	38-29			
	FJB9360	MULB	154-18	FJJ251	APX	160-41		SGAI		GA306	ECC	146-32	GFF1-5	RTN	38-30			
	FJB9366	MULB	158-105	◆MULB	RTCF		FuL94529	FSC	51-98	GA308	ECC	85-49	GFF1-2	RTN	38-27			
	FJB93190	MULB	153-86	FJJ261	APX	41-43		SGAI		GA311	ECC	38-21	GFF2-1	RTN	53-95			
	FJB93191	MULB	158-74	◆MULB	◆RTCF		FuL94629	FSC	97-40	GA321	ECC	34-11	GFF2-5	RTN	53-96			
	FJB93196	MULB	154-52	FJJ291	◆MULB	54-21		SGAI		GA322	ECC	85-50	GFF2-2	RTN	53-94			
	FJB93197	MULB	159-50		RTCF		FuL94829	FSC	51-99	GA323	ECC	164-66	GFF3-1	RTN	58-104			
	FJH101	APX	108-41	FJJ291-74118	◆VALG	51-51		SGAI		GA325	ECC	103-100	GFF3-2	RTN	58-102			
	◆MULB	◆PHIN		FJJ391	◆VALG	61-38	FuL95029#1	FSC	51-100	GA326	ECC	77-72	GFF3-5	RTN	58-105			
		◆RTCF		FJJ411D	◆RTCF	159-6		SGAI		GA327	ECC	65-9	GFF3-2	RTN	58-103			
	FJH102A	◆MULB	108-42	FJJ411P	◆RTCF	159-7	FuL95029#2	FSC	51-101	GA328	ECC	67-47	GFF4-20	RTN	51-32			
	FJH102B	◆MULB	108-43	FJK101	APX	151-43		SGAI		GA330	ECC	146-33	GG851	◆EMC	101-15			
	FJH106	◆MULB	108-44	◆MULB	RTCF		FuL95129	FSC	148-11	GA401	ECC	67-100	GG852	◆EMC	101-16			
	FJH111	APX	108-45	FJL101	APX	140-106		SGAI		GA402	ECC	67-101	GG853	◆EMC	101-17			
	◆MULB	◆PHIN		◆MULB	◆PHIN		FuL96229	FSC	97-41	GA403	ECC	132-37	GG854	◆EMC	101-18			
		◆RTCF			RTCF			SGAI		GA404	ECC	67-102	GG855	◆EMC	133-58			
	FJH112A	◆MULB	108-46	FJL101-7441A	◆PHIN	140-107	FU5108	TRC	52-93	GA405	ECC	67-103	GG859	EMC	101-19			
	FJH112B	◆MULB	108-47		◆VALG		FYH104	◆SIEG	82-17	GA406	ECC	67-104	GG860	EMC	101-20			
	FJH116	◆MULB	108-48	FJL151	◆RTCF	140-108	FYH114	◆SIEG	82-18	GA421	ECC	67-105	GG952	EMC	113-107			
	FJH121	APX	108-49	FJY101	◆APX	135-72	FYH124	◆SIEG	82-19	GA506	ECC	147-105	GG953	EMC	113-108			
	◆MULB	◆PHIN		◆MULB	◆PHIN		FYH134	◆SIEG	82-20	GA510A	ECC	166-26	GG955	EMC	136-49			
		◆RTCF			RTCF		FZH105	◆SIEG	103-83	GA523	ECC	141-37	GG956	EMC	113-109			
	FJH122A	◆MULB	108-50	FJY102A	◆MULB	135-73	FZH115	◆SIEG	103-84	GA601	ECC	67-86	GG957	EMC	89-10			
	FJH122B	◆MULB	108-51	FJY102B	◆MULB	135-74	FZH115A	◆SIEG	103-81	GA602	ECC	67-87	GG958	EMC	113-110			
	FJH126	◆MULB	108-52	FJY106	◆MULB	135-75	FZH215	◆SIEG	103-82	GA603	ECC	67-88	GG959	EMC	114-1			
	FJH131	APX	108-53	FKH111	◆RTCF	81-50	FZH255	◆SIEG	66-94	GA604	ECC	67-89	GG961	EMC	71-58			
	◆MULB	◆PHIN		FKH111A	MULB	81-47	FZH265	◆SIEG	118-33	GA605	ECC	67-90	GG1414B	◆INI	95-22			
		◆RTCF		FKH111B	MULB	81-48	FZH285	◆SIEG	85-37	GA606	ECC	67-91	GG1424B	◆INI	95-23			
	FJH132A	◆MULB	108-54	FL19	XDS	55-36	FZH295	◆SIEG	78-10	GA621	ECC	67-92	GG1514B	◆INI	95-16			
	FJH132B	◆MULB	108-55	FL21	XDS	48-97	FZJ145	◆SIEG	153-4	GA701	ECC	67-71	GG1524B	◆INI	95-17			
	FJH136	◆MULB	108-56	FL22	XDS	48-98	FZJ155	◆SIEG	157-93	GA702	ECC	67-72	GG1713B	◆INI	95-10			
	FJH141	APX	108-57	FLH581	SIEG	68-87	FZL115	SIEG	143-45	GA703	ECC	67-73	GG1723B	◆INI	95-11			
	◆MULB	◆PHIN		FLH585	SIEG	68-88	G50	MON	77-14	GA704	ECC	67-74	GG2414B	◆INI	95-24			
		◆RTCF		FLH591	SIEG	68-89	G51	MON	95-90	GA705	ECC	67-75	GG2424B	◆INI	95-25			
	FJH142A	◆MULB	108-58	FLH595	SIEG	68-90	G52	MON	95-91	GA706	ECC	67-76	GG2514B	◆INI	95-18			
	FJH142B	◆MULB	108-59	FLH645	SIEG	146-14	G54	MON	95-92	GA721	ECC	67-77	GG2524B	◆INI	95-19			
	FJH146	◆MULB	108-60	FLJ161S7490S1	SIEG	153-87	G55	MON	128-57	GB1414B	◆INI	95-20	GG2713B	◆INI	95-13			
	FJH151	APX	72-106	FLJ165S8490S1	SIEG	153-88	G101A		56-103	GB1424B	◆INI	95-21	GG2723B	◆INI	95-12			
	◆MULB	◆PHIN		FLJ285	◆SIEG	41-9	G108	ECC	104-99	GB1514B	◆INI	95-14	GG3317C	◆INI	93-105			
		◆RTCF		FLJ295	◆SIEG	41-10	G111A	ECC	38-24	GB1524B	◆INI	95-15	GG3327C	◆INI	93-106			
	FJH152A	◆MULB	71-26	FLJ105	◆SIEG	140-109	G121	ECC	36-85	GB1713B	◆INI	95-8	GG3415C	◆INI	94-12			
	FJH152B	◆MULB	71-27	FPH101	ALGG	116-107	G123	ECC	103-97	GB1723B	◆INI	95-9	GG3425C	◆INI	94-13			
	FJH156	◆MULB	72-107	FPH103	ALGG	116-108	G201	ECC	38-22	GB2317C	◆INI	93-103	GG3515C	◆INI	94-7			
	FJH161	APX	72-108	FPH111	ALGG	116-109	G208	ECC	104-95	GB2327C	◆INI	93-104	GG3714C	◆INI	94-1			
	◆MULB	◆PHIN		FPH113	ALGG	116-110	G211	ECC	53-87	GB2415C	◆INI	94-10	GG3724C	◆INI	94-2			
		◆RTCF		FPH121	ALGG	117-1	G221	ECC	49-17	GB2425C	◆INI	94-11	GG4317C	◆INI	93-107			
	FJH162A	◆MULB	71-28	FPH123	ALGG	117-2	G223	ECC	104-96	GB2515C	◆INI	94-5	GG4327C	◆INI	93-108			
	FJH162B	◆MULB	71-29	FPH131	ALGG	117-3	G224	ECC	164-61	GB2525C	◆INI	94-6	GG4415C	◆INI	94-14			
	FJH166	◆MULB	72-109	FPH133	ALGG	117-4	G225	ECC	34-1	GB2714C	◆INI	93-109	GG4425C	◆INI	94-15			
	FJH171	APX	72-110	FPH141	ALGG	117-5	G301	ECC	38-18	GB2724C	◆INI	93-110	GG44515C	◆INI	94-8			
	◆MULB	◆PHIN		FPH143	ALGG	117-6	G303	ECC	86-86	GBC1-1	RTN	157-110	GG4525C	◆INI	94-9			
		◆RTCF		FPJ101	ALGG	47-30	G306	ECC	146-27	GBC1-5	RTN	158-1	GG4714C	◆INI	94-3			
	FJH172A	◆MULB	71-30	FPJ103	ALGG	47-31	G308	ECC	85-47	GBC1-2	RTN	157-108	GG4724C	◆INI	94-4			
	FJH172B	◆MULB	71-31	FPJ111	ALGG	47-32	G311	ECC	38-19	GC10	XDS	138-41	GGD1-2	RTN	67-29			
	FJH176	◆MULB	73-1	FPJ113	ALGG	47-33	G321	ECC	34-10	GC14	XDS	133-90	GH10	XDS	138-42			
	FJH181	APX	73-2	FPY101	ALGG	138-9	G322	ECC	85-48	GC15	XDS	139-32	GH14	XDS	133-91			
	◆MULB	◆PHIN		FPY103	ALGG	138-10	G323	ECC	164-60	CGC1-1	RTN	164-27	GH15	XDS	139-33			
		◆RTCF		FQH101-830	SGAI	101-82	G325	ECC	103-98	CGC1-5	RTN	164-28	GHA1-1	RTN	131-3			
	FJH182A	◆MULB	71-32	FQH111-861	SGAI	102-74	G326	ECC	78-61	CGC1-2	RTN	164-26	GHA1-5	RTN	131-4			
	FJH182B	◆MULB	71-33	FQH121-846	SGAI	101-83	G327	ECC	67-45	CGC2-1	RTN	166-28	GHA1-2	RTN	131-2			
	FJH186	◆MULB	73-3	FQH131-849	SGAI	102-75	G328	ECC	67-46	CGC2-5	RTN	166-29	GIG1-1	RTN	78-39			
	FJH221	APX	88-18	FQH161-832	SGAI	101-84	G330	ECC	146-28	CGC2-2	RTN	166-27	GIG1-5	RTN	78-41			
	◆MULB	◆PHIN		FQH171-844	SGAI	101-85	G401	ECC	67-94	GDC1-1	RTN	161-74	GIG1-2	RTN	78-37			

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
GTB74S86P	RTCF	78-84	HD9-4018A2	*HAS	162-69	IF6M	ICC	34-24	ITT74LS76	*ITT	42-97	LCE205	FERB	184-73
GTB74S112	RTCF	38-71	HD9-4018A9	*HAS	162-70	IF6S	ICC	35-62	ITT74LS78	*ITT	42-98	LCE206	FERB	147-69
GUL1-1	RTN	76-72	HD9-4019A2	*HAS	70-95	IFF1.2	RTN	34-82	ITT74LS90	*ITT	155-36	LCE208	FERB	64-52
GUL1-2	RTN	76-73	HD9-4019A9	*HAS	70-96	IFF0239	*EEC	55-103	ITT74LS93	*ITT	160-45	LCE209	FERB	77-34
GUL1-2	RTN	76-71	HD9-4020A2	*HAS	157-8	IFF0251	*EEC	36-67	ITT74LS107	*ITT	42-99	LCE210	FERB	83-65
GXB10212	*RTCF	81-79	HD9-4020A9	*HAS	157-9	IFF0252	*EEC	47-89	ITT74LS109A	*ITT	42-54	LP01A	*AMI	51-93
GZF1200D	*RTCF	176-56	HD9-4022A2	*HAS	162-71	IFF0254	*EEC	36-87	ITT74LS112	*ITT	42-100	LP02A	*AMI	84-80
GZF1201D	*RTCF	162-32	HD9-4022A9	*HAS	162-72	IFF0256	*EEC	36-68	ITT74LS114	*ITT	42-101	LP03A	*AMI	84-81
GZF1202	*RTCF	177-1	HD9-4023A2	*HAS	96-69	IFF2239	*EEC	55-104	ITT301-1D	*ITT	103-5	LP04A	*AMI	51-94
H100L	*SIX	95-62	HD9-4023A9	*HAS	96-70	IFF2251	*EEC	36-69	ITT301-5D	*ITT	103-6	LP05A	*AMI	84-82
H100P	*SIX	95-63	HD9-4024A2	*HAS	157-10	IFF2252	*EEC	47-90	ITT302-1D	*ITT	103-7	LP06A	*AMI	84-83
H101L	*SIX	95-64	HD9-4024A9	*HAS	157-11	IFF2256	*EEC	36-70	ITT302-5D	*ITT	103-8	LQX0-4M	none	165-64
H101P	*SIX	95-65	HD9-4025A2	*HAS	84-36	IFR0235	*EEC	160-91	ITT303-1D	*ITT	103-9	LQX01	*STK	166-16
H103	SGAI	118-45	HD9-4025A9	*HAS	84-37	IFR0247	*EEC	160-93	ITT303-5D	*ITT	103-10	LQX01F	*STK	166-17
H109	SGAI	64-9	HD9-4027A2	*HAS	35-2	IFR2277	*EEC	160-92	ITT312-1D	*ITT	37-70	LQX02	*STK	166-20
H110	SGAI	34-19	HD9-4027A9	*HAS	35-3	IFR2278	*EEC	152-97	ITT312-5D	*ITT	37-71	LQX02F	*STK	166-21
H111	SGAI	34-20	HD9-4028A2	*HAS	141-55	IFR2281	*EEC	160-94	ITT321-1D	*ITT	103-11	LQX03	*STK	177-27
H117D1#1	*SGAI	164-19	HD9-4028A9	*HAS	141-56	IG12H	ICC	131-46	ITT321-5D	*ITT	103-12	LQX03A	*STK	177-28
H117D1#2	*SGAI	149-39	HD9-4029A2	*HAS	163-10	IG12L	ICC	134-57	ITT322-1D	*ITT	103-13	LQX03B	*STK	177-29
H117D2#1	*SGAI	164-20	HD9-4029A9	*HAS	163-11	IG12M	ICC	131-47	ITT322-5D	*ITT	103-14	LQX0-4I	none	165-65
H117D2#2	*SGAI	149-40	HD9-4030A2	*HAS	128-76	IG12S	ICC	134-58	ITT323-1D	*ITT	103-15	LT10	XDS	81-30
H117D6#1	*SGAI	164-21	HD9-4030A9	*HAS	128-77	IGE0204	*EEC	133-55	ITT323-5D	*ITT	103-16	LT11	XDS	81-32
H117D6#2	*SGAI	149-41	HD9-4040A2	*HAS	156-107	IGE2204	*EEC	133-56	ITT324-1D	*ITT	103-17	LT13	XDS	80-102
HBH25101	FSC	59-73	HD9-4040A9	*HAS	156-108	IGH0231	*EEC	140-58	ITT324-5D	*ITT	103-18	LT14	XDS	80-103
HBH25109	FSC	59-74	HD9-4043A2	*HAS	174-106	IH10	XDS	76-69	ITT325-1D	*ITT	103-19	LU300	SPR	131-38
HBH25121	FSC	35-43	HD9-4043A9	*HAS	175-3	IH11	XDS	82-42	ITT325-5D	*ITT	103-20	LU300K	*SIC	132-80
HBH25129	FSC	35-44	HD9-4044A2	*HAS	174-107	IH14	XDS	118-5	ITT326-1D	*ITT	103-21	LU301	SPR	131-48
HBW25101	FSC	59-75	HD9-4044A9	*HAS	175-4	IL10	XDS	76-70	ITT326-5D	*ITT	103-22	LU301A	*SIC	64-16
HBW25109	FSC	59-76	HD9-4081B2	*HAS	64-63	IL11	XDS	82-43	ITT331-1D	*ITT	132-78	LU305	SPR	64-16
HC5023BE	none	152-90	HD9-4081B9	*HAS	64-64	IL12	XDS	118-6	ITT331-5D	*ITT	132-79	LU305K	*SIC	66-73
HD1-4000A2	*HAS	84-22	HD9-14511-2	*HAS	143-50	IL14	XDS	118-7	ITT342-1D	*ITT	149-32	LU306	SPR	64-17
HD1-4000A9	*HAS	84-23	HD9-14511-9	*HAS	143-51	IL15	XDS	118-35	ITT342-5D	*ITT	149-33	LU306A	SIC	66-67
HD1-4001A2	*HAS	84-24	HD9-14514-2	*HAS	139-14	IMC2275	EEC	164-16	ITT370-1D	*ITT	61-75	LU306A	SIC	66-67
HD1-4001A9	*HAS	84-25	HD9-14514-9	*HAS	139-15	IMV02269	*EEC	100-67	ITT370-5D	*ITT	61-76	LU306K	*SIC	66-74
HD1-4002A2	*HAS	84-26	HD9-14515-2	*HAS	139-16	IMV0225	*EEC	166-71	ITT1056#1	*ITT	162-106	LU307	SPR	83-49
HD1-4002A9	*HAS	84-27	HD9-14515-9	*HAS	139-17	IN6H	ICC	95-68	ITT5400J	ITT	108-93	LU314	SPR	83-54
HD1-4008A2	*HAS	168-26	HD9-14516-2	*HAS	156-43	IN6L	ICC	104-103	ITT5401J	ITT	108-94	LU314A	*SIC	85-25
HD1-4008A9	*HAS	168-27	HD9-14516-9	*HAS	156-44	IN6M	ICC	95-69	ITT5402J	ITT	108-95	LU314K	*SIC	85-25
HD1-4011A2	*HAS	96-59	HD9-14518-2	*HAS	156-45	IN6S	ICC	104-104	ITT5410J	ITT	108-96	LU315	SPR	83-50
HD1-4011A9	*HAS	96-60	HD9-14518-9	*HAS	156-46	IN12H	ICC	95-70	ITT5420J	ITT	108-97	LU315K	*SIC	85-26
HD1-4012A2	*HAS	96-61	HD9-14520-2	*HAS	152-29	IN12L	ICC	104-105	ITT5430J	ITT	108-98	LU316	SPR	83-51
HD1-4012A9	*HAS	96-62	HD9-14520-9	*HAS	152-30	IN12M	ICC	95-71	ITT5440J	ITT	108-99	LU316K	*SIC	85-27
HD1-4013A2	*HAS	61-60	HD9-14522-2	*HAS	152-23	IN12S	ICC	104-106	ITT5450J	ITT	68-98	LU317A	SIC	83-55
HD1-4013A9	*HAS	61-61	HD9-14522-9	*HAS	152-24	IN800	EMC	141-31	ITT5451J	ITT	68-99	LU320	SPR	34-25
HD1-4017A2	*HAS	162-61	HD9-14526-2	*HAS	152-25	INNO202	*EEC	100-68	ITT5453J	ITT	68-100	LU320K	*SIC	37-44
HD1-4017A9	*HAS	162-62	HD9-14526-9	*HAS	152-26	INNO203	*EEC	100-69	ITT5454J	ITT	68-101	LU321	SPR	83-55
HD1-4018A2	*HAS	162-63	HD9-14528-2	*HAS	164-8	INNO236	*EEC	100-70	ITT5460J	ITT	135-77	LU322A	SPR	34-25
HD1-4018A9	*HAS	162-64	HD9-14528-9	*HAS	164-9	INNO237	*EEC	118-25	ITT5470J	ITT	47-82	LU322A	*SIC	37-44
HD1-4019A2	*HAS	70-93	HD38980	*HITJ	177-21	INN2202	*EEC	100-71	ITT5472J	ITT	41-63	LU321A	SPR	34-79
HD1-4019A9	*HAS	70-94	HD38991	*HITJ	177-22	INN2203	*EEC	100-72	ITT5473J	ITT	41-64	LU322A	SIC	34-80
HD1-4020A2	*HAS	157-4	HD43880	*HITJ	177-23	INN2237	*EEC	118-26	ITT5474J	ITT	62-86	LU331	SPR	83-52
HD1-4020A9	*HAS	157-5	HD431115	*HITJ	177-24	INS4000S	*INS	84-70	ITT5475J	ITT	174-37	LU331K	*SIC	78-6
HD1-4022A2	*HAS	162-65	HD9930R	*HAS	101-45	INS4001S	*INS	84-71	ITT5476J	ITT	41-65	LU332	SPR	83-53
HD1-4022A9	*HAS	162-66	HD9932R	*HAS	101-46	INS4002S	*INS	84-72	ITT5482J	ITT	168-66	LU332K	*SIC	78-6
HD1-4023A2	*HAS	96-63	HDD944R	*HAS	101-47	INS4011S	*INS	97-5	ITT5483J	ITT	168-65	LU333	SPR	83-53
HD1-4023A9	*HAS	96-64	HDD945R	*HAS	61-2	INS4012S	*INS	97-3	ITT5490J	ITT	155-21	LU332K	*SIC	78-6
HD1-4024A2	*HAS	157-6	HDD946R	*HAS	101-48	INS4013S	*INS	61-47	ITT5492J	ITT	160-50	LU333A	SIC	77-13
HD1-4024A9	*HAS	157-7	HDD962R	*HAS	101-49	INS4023S	*INS	97-4	ITT5493J	ITT	160-51	LU334A	*SIC	80-89
HD1-4025A2	*HAS	84-28	HDT54HOOR	*HAS	114-20	INS4025S	*INS	84-73	ITT5400J	ITT	108-99	LU337A	*SIC	95-87
HD1-4025A9	*HAS	84-29	HDT54H2OR	*HAS	114-21	INS4027S	*INS	34-75	ITT5401J	ITT	108-100	LU362A	*SIC	147-83
HD1-4027A2	*HAS	34-106	HDT54H51R	*HAS	90-67	INS4030S	*INS	128-84	ITT7402J	ITT	88-23	LU370A	SIC	83-56
HD1-4027A9	*HAS	35-1	HDT54H54R	*HAS	90-68	IO6H	ICC	77-8	ITT7403J	ITT	108-101	LU370A	*SIC	80-90
HD1-4028A2	*HAS	141-53	HDT54H74R	*HAS	63-55	IO6L	ICC	77-9	ITT7410J	ITT	108-102	LU374A	*SIC	80-91
HD1-4028A9	*HAS	141-54	HEPC1046P-RT	*MOTA	97-42	IO6M	ICC	77-10	ITT7420J	ITT	108-103	LU375A	*SIC	95-88
HD1-4029A2	*HAS	163-8	HEPC1053P-RT	*MOTA	36-107	IO12H	ICC	77-11	ITT7430J	ITT	108-104	LU377A	*SIC	95-88
HD1-4029A9	*HAS	163-9	HEPC1057P-RT	*MOTA	101-73	IO12L	ICC	78-78	ITT7440J	ITT	108-105	LU380A	*SIC	83-57
HD1-4030A2	*HAS	128-74	HEPC3002P-RT	*MOTA	89-11	IO12M	ICC	77-12	ITT7450J	ITT	68-102	LU384A	*SIC	80-92
HD1-4030A9	*HAS	128-75	HOC4030BD	none	128-85	IO12S	ICC	78-79	ITT7451J	ITT	68-103	LU387A	*SIC	95-89
HD1-4040A2	*HAS	156-105	HOC4030BF	none	128-86	IOS0223	*EEC	148-96	ITT7453J	ITT	68-104	M001T1	*SGAI	161-47
HD1-4040A9	*HAS	156-106	HOC4030BK	none	128-87	IOS0224	*EEC	148-97	ITT7454J	ITT	68-105	M003T1	*SGAI	156-59
HD1-4043A2	*HAS	174-104	IAO0220	*EEC	71-5	IOS2279	*EEC	148-64	ITT7460J	ITT	135-78	M003T2	*SGAI	156-60
HD1-4043A9	*HAS	175-1	IAO0221	*EEC	117-11	IOS2282	*EEC	148-65	ITT7470J	ITT	47-83	M102	ICC	162-105
HD1-4044A2	*HAS	174-105	IAO-0209	*EEC	71-6	IOS2283	*EEC	148-66	ITT7472J	ITT	41-66	M103	ICC	154-103
HD1-4044A9	*HAS	175-2	IBC0208	*EEC	157-74	IOS2284	*EEC	148-67	ITT7473J	ITT	41-67	M200	ICC	116-89
HD1-4081B2	*HAS	64-61	IBC0232	*EEC	157-75									

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

DIGITAL	TYPE No.		MFRS		Pg&Line		TYPE No.		MFRS		Pg&Line		TYPE No.		MFRS		Pg&Line	
	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
	JANM38510/05001ACA	RCA	96-12	JANM38510/17002CCC	SSS	65-5	MC1X	CLC	166-48	MC309G	†MOTA	83-30	MC1012P	†MOTA	85-67			
	JANM38510/05001ADA	RCA	96-13	JANM38510/17003CCA	SSS	65-6	MC02	†NCC	55-43	MC310F	†MOTA	93-31	MC1013L	†MOTA	38-1			
	JANM38510/05001BAB	RCA	96-14	JANM38510/17003CCC	SSS	65-7	MC03	†NCC	55-44	MC311F	†MOTA	93-33	MC1014L	†MOTA	53-43			
	JANM38510/05001CC	NSC	96-15	JANM38510/30101BDB	SSS	65-7	MC0A	†NCC	165-18	MC311G	†MOTA	93-34	MC1014P	†MOTA	53-25			
	JANM38510/05002ACA	NSC	96-16	JANM38510/30101CDB	SSS	65-7	MC0B	†NCC	146-13	MC312AG	†MOTA	86-1	MC1015P	†MOTA	53-26			
	JANM38510/05002ADA	NSC	96-17	JANM38510/30105BDB	SSS	65-7	MC0C	†NCC	55-45	MC312F	†MOTA	93-35	MC1016L	†MOTA	53-45			
	JANM38510/05002CCC	NSC	96-18	JANM38510/30110BFB	SSS	65-7	MC0D	†NCC	160-19	MC312G	†MOTA	93-36	MC1016P	†MOTA	53-27			
	JANM38510/05003ACA	NSC	96-19	JANM38510/30110CFB	SSS	65-7	MC0E	†NCC	160-18	MC313F	†MOTA	85-60	MC1019P	†MOTA	168-34			
	JANM38510/05003CCC	NSC	96-20	JANM38510/31101BFB	SSS	65-7	MC0F	†NCC	155-8	MC314F	†MOTA	37-105	MC1021P	†MOTA	168-105			
	JANM38510/05101ACA	NSC	61-48	JANM38510/31402CFB	SSS	65-7	MC0G	†NCC	160-20	MC314G	†MOTA	37-106	MC1022L	†MOTA	61-87			
	JANM38510/05101ADA	NSC	61-49	JANM38510/31403BDB	SSS	65-7	MC0H	†NCC	155-9	MC315F	†MOTA	83-18	MC1022P	†MOTA	61-94			
	JANM38510/05101CCC	NSC	61-50	JANM38510/31507CFB	SSS	65-7	MC0I	†NCC	154-110	MC315G	†MOTA	83-19	MC1023L	†MOTA	61-86			
	JANM38510/05102AEA	RCA	34-87	JANM38510/31508BFB	SSS	65-7	MC0J	†NCC	160-21	MC335	†HIS	166-44	MC1024L	†MOTA	82-85			
	JANM38510/05102AFA	RCA	34-88	JANM38510/31509CFB	SSS	65-7	MC0K	†NCC	55-46	MC340	†HIS	165-66	MC1024P	†MOTA	83-28			
	JANM38510/05102CEA	SSS	34-89	JANM38510/31510BDB	SSS	65-7	MC0L	†NCC	165-81	MC351F	†MOTA	82-47	MC1025L	†MOTA	133-108			
	JANM38510/05102CEC	SSS	34-90	JANM38510/31511CFB	SSS	65-7	MC0M	†NCC	165-36	MC351G	†MOTA	82-48	MC1025P	†MOTA	133-99			
	JANM38510/05201CCC	SSS	83-85	JANM38510/31512BFB	SSS	65-7	MC0N	†NCC	165-37	MC352AF	†MOTA	55-56	MC1027L	†MOTA	38-7			
	JANM38510/05202CCC	SSS	83-86	JANM38510/31513CFB	SSS	65-7	MC0O	†NCC	165-80	MC352AG	†MOTA	55-57	MC1027P	†MOTA	37-102			
	JANM38510/05203CCC	SSS	83-87	JANM38510/31514BDB	SSS	65-7	MC0P	†NCC	165-83	MC352F	†MOTA	53-39	MC1030L	†MOTA	129-30			
	JANM38510/05204CCC	SSS	83-88	JANM38510/31515CFB	SSS	65-7	MC0Q	†NCC	140-81	MC352G	†MOTA	53-40	MC1030P	†MOTA	129-27			
	JANM38510/05302CEA	RCA	71-105	JANM38510/31516BDB	SSS	65-7	MC0R	†NCC	164-51	MC353F	†MOTA	168-3	MC1031L	†MOTA	131-12			
	JANM38510/05303CCC	NSC	71-106	JANM38510/31517CFB	SSS	65-7	MC0S	†NCC	165-67	MC353G	†MOTA	168-4	MC1031P	†MOTA	131-9			
	JANM38510/05401CEA	SSS	168-32	JANM38510/31518BDB	SSS	65-7	MC0T	†NCC	148-49	MC354F	†MOTA	176-95	MC1032P	†MOTA	37-99			
	JANM38510/05401CEC	SSS	168-33	JANM38510/31519CFB	SSS	65-7	MC0U	†NCC	104-3	MC354G	†MOTA	176-96	MC1033L	†MOTA	53-46			
	JANM38510/06001BFA	MOTAJ	81-80	JANM38510/31520BDB	SSS	65-7	MC0V	†NCC	104-4	MC355F	†MOTA	133-104	MC1033P	†MOTA	53-28			
	JANM38510/06001BFB	MOTAJ	81-81	JANM38510/31521CFB	SSS	65-7	MC0W	†NCC	104-5	MC355G	†MOTA	133-105	MC1034L	†MOTA	61-86			
	JANM38510/06001CFA	MOTAJ	81-82	JANM38510/31522BFB	SSS	65-7	MC0X	†NCC	131-67	MC356F	†MOTA	82-49	MC1034L	†MOTA	61-97			
	JANM38510/06001CFB	MOTAJ	81-83	JANM38510/31523CFB	SSS	65-7	MC0Y	†NCC	128-51	MC356G	†MOTA	82-50	MC1034P	†MOTA	62-15			
	JANM38510/06002BFA	MOTAJ	86-2	JANM38510/31524BDB	SSS	65-7	MC0Z	†NCC	131-68	MC357F	†MOTA	82-51	MC1040P	†MOTA	175-11			
	JANM38510/06002BFB	MOTAJ	86-3	JANM38510/31525CFB	SSS	65-7	MC0A	†NCC	131-69	MC357G	†MOTA	82-52	MC1042P	†MOTA	140-8			
	JANM38510/06002CFA	MOTAJ	86-4	JANM38510/31526BDB	SSS	65-7	MC0B	†NCC	131-70	MC358AF	†MOTA	48-102	MC1043F	†MOTA	140-18			
	JANM38510/06002CFB	MOTAJ	86-5	JANM38510/31527CFB	SSS	65-7	MC0C	†NCC	131-71	MC358AG	†MOTA	48-102	MC1043P	†MOTA	140-10			
	JANM38510/06003BFA	MOTAJ	81-84	JANM38510/31528BDB	SSS	65-7	MC0D	†NCC	131-72	MC358F	†MOTA	37-109	MC1044	†MOTA	139-82			
	JANM38510/06003BFB	MOTAJ	81-85	JANM38510/31529CFB	SSS	65-7	MC0E	†NCC	131-73	MC358G	†MOTA	37-110	MC1044P	†MOTA	140-6			
	JANM38510/06003CFA	MOTAJ	81-86	JANM38510/31530BDB	SSS	65-7	MC0F	†NCC	131-74	MC359F	†MOTA	85-99	MC1046P	†MOTA	173-1			
	JANM38510/06003CFB	MOTAJ	81-87	JANM38510/31531CFB	SSS	65-7	MC0G	†NCC	131-75	MC359G	†MOTA	85-100	MC1047P	†MOTA	67-35			
	JANM38510/06004BFA	MOTAJ	86-6	JANM38510/31532CFB	SSS	65-7	MC0H	†NCC	123-32	MC360F	†MOTA	85-101	MC1048P	†MOTA	104-77			
	JANM38510/06004BFB	MOTAJ	86-7	JANM38510/31533CFB	SSS	65-7	MC0I	†MOTA	123-32	MC361F	†MOTA	85-102	MC1050F	†MOTA	85-68			
	JANM38510/06004CFA	MOTAJ	86-8	JANM38510/31534BDB	SSS	65-7	MC0J	†MOTA	123-33	MC361G	†MOTA	85-103	MC1051F	†MOTA	85-69			
	JANM38510/06004CFB	MOTAJ	86-9	JANM38510/31535CFB	SSS	65-7	MC0K	†MOTA	123-34	MC362AF	†MOTA	85-104	MC1052F	†MOTA	85-70			
	JANM38510/06005BFA	MOTAJ	130-94	JANM38510/31536BDB	SSS	65-7	MC0L	†MOTA	123-35	MC362AG	†MOTA	85-105	MC1059P	†MOTA	168-35			
	JANM38510/06005BFB	MOTAJ	130-95	JANM38510/31537CFB	SSS	65-7	MC0M	†MOTA	66-80	MC362F	†MOTA	85-107	MC1062P	†MOTA	85-71			
	JANM38510/06005CFA	MOTAJ	130-96	JANM38510/31538BDB	SSS	65-7	MC0N	†MOTA	66-81	MC362G	†MOTA	85-108	MC1062S	†MOTA	123-103			
	JANM38510/06005CFB	MOTAJ	130-97	JANM38510/31539CFB	SSS	65-7	MC0O	†MOTA	123-36	MC363F	†MOTA	85-68	MC1063P	†MOTA	85-72			
	JANM38510/06006BFA	MOTAJ	81-88	JANM38510/31540BDB	SSS	65-7	MC0P	†MOTA	123-37	MC364F	†MOTA	37-107	MC1070P	†MOTA	175-12			
	JANM38510/06006BFB	MOTAJ	81-89	JANM38510/31541CFB	SSS	65-7	MC0Q	†MOTA	99-96	MC364G	†MOTA	37-108	MC1070S	†MOTA	61-93			
	JANM38510/06006CFA	MOTAJ	81-90	JANM38510/31542BDB	SSS	65-7	MC0R	†MOTA	99-97	MC365F	†MOTA	83-20	MC1103F	†MOTA	32-5			
	JANM38510/06006CFB	MOTAJ	81-91	JANM38510/31543CFB	SSS	65-7	MC0S	†MOTA	123-38	MC365G	†MOTA	83-21	MC1103L	†MOTA	32-9			
	JANM38510/17001BCC	SSS	65-1	JANM38510/31544BDB	SSS	65-7	MC0T	†MOTA	123-39	MC366F	†MOTA	93-43	MC1103P	†MOTA	32-10			
	JANM38510/17001CCA	SSS	65-2	JANM38510/31545CFB	SSS	65-7	MC0U	†MOTA	123-40	MC366G	†MOTA	93-44	MC1105F	†MOTA	32-6			
	JANM38510/17001CCC	SSS	65-3	JANM38510/31546BDB	SSS	65-7	MC0V	†MOTA	123-41	MC417F	†MOTA	44-74	MC1105L	†MOTA	32-11			
	JANM38510/17002CCA	SSS	65-4	JANM38510/31547CFB	SSS	65-7	MC0W	†MOTA	123-42	MC417L	†MOTA	44-75	MC1105P	†MOTA	32-12			
				JANM38510/31548BDB	SSS	65-7	MC0X	†MOTA	123-43	MC417P	†MOTA	44-76	MC1106F	†MOTA	32-7			
				JANM38510/31549CFB	SSS	65-7	MC0Y	†MOTA	56-48	MC418F	†MOTA	63-78	MC1106L	†MOTA	32-13			
				JANM38510/31550BDB	SSS	65-7	MC0Z	†MOTA	56-49	MC418L	†MOTA	63-79	MC1106P	†MOTA	32-14			
				JANM38510/31551CFB	SSS	65-7	MC0A	†MOTA	123-44	MC418P	†MOTA	63-80	MC1107F	†MOTA	32-8			
				JANM38510/31552CFB	SSS	65-7	MC0B	†MOTA	123-45	MC428F	†MOTA	138-4	MC1107L	†MOTA	32-15			
				JANM38510/31553CFB	SSS	65-7	MC0C	†MOTA	123-46	MC467F	†MOTA	44-77	MC1107P	†MOTA	32-16			
				JANM38510/31554BDB	SSS	65-7	MC0D	†MOTA	123-47	MC467L	†MOTA	44-78	MC1111	†MOTA	65-14			
				JANM38510/31555CFB	SSS	65-7	MC0E	†MOTA	66-82	MC467P	†MOTA	44-79	MC1112	†MOTA	65-15			
				JANM38510/31556BDB	SSS	65-7	MC0F	†MOTA	66-83	MC468F	†MOTA	63-81	MC1113	†MOTA	65-16			
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1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
MC1231F	MOTA	131-10	MC3154L	MOTA	50-4	MCE932F	MOTA	101-51	MIC311-3A	ITT	118-52	MIC381-5D1	ITT	141-69
MC1231L	MOTA	131-11	MC3155L	MOTA	50-5	MCE933F	MOTA	132-81	MIC311-3B	ITT	118-53	MIC382-1D	ITT	141-70
MC1232F	MOTA	37-100	MC3163L	MOTA	44-63	MCE944F	MOTA	97-43	MIC311-3C	ITT	118-54	MIC382-1D1	ITT	141-71
MC1232L	MOTA	37-101	MC4001L#1	MOTA	140-61	MCE945F	MOTA	57-80	MIC311-5D	ITT	35-20	MIC382-5D	ITT	141-72
MC1233F	MOTA	53-35	MC4001L#2	MOTA	139-22	MCE946F	MOTA	101-52	MIC311-5D1	ITT	35-21	MIC382-5D1	ITT	141-73
MC1233L	MOTA	53-36	MC4350F	MOTA	154-68	MCE948F	MOTA	57-81	MIC312-1D	ITT	35-22	MIC930	ITT	121-58
MC1234F	MOTA	62-16	MC4350L	MOTA	154-61	MCE962F	MOTA	97-44	MIC312-1D1	ITT	35-23	MIC930-1B	ITT	99-32
MC1234L	MOTA	62-17	MC5441AL	MOTA	141-75	MCE54103F	MOTA	44-68	MIC312-5D	ITT	35-24	MIC930-1C	ITT	99-33
MC1240F	MOTA	175-13	MC7441AP	MOTA	140-76	MCE74103F	MOTA	44-69	MIC312-5D1	ITT	35-25	MIC930-1D	ITT	99-34
MC1240L	MOTA	175-14	MC7441P	MOTA	140-68	MCG1	RTN	166-78	MIC320-1A	ITT	82-53	MIC930-5B	ITT	99-35
MC1242F	MOTA	140-9	MC7442P	MOTA	142-41	MCX	CLC	166-49	MIC320-1B	ITT	82-54	MIC930-5C	ITT	99-36
MC1242L	MOTA	140-9	MC7443P	MOTA	142-41	MD1	CLC	139-47	MIC320-2A	ITT	82-55	MIC930-5D	ITT	99-37
MC1243F	MOTA	140-9	MC7443P	MOTA	142-41	MD1A	CLC	139-48	MIC320-2A	ITT	82-56	MIC930R3D	ITT	117-12
MC1243L	MOTA	140-9	MC7444P	MOTA	142-93	MD2	CLC	139-49	MIC320-2B	ITT	82-57	MIC930R6D	ITT	117-13
MC1246L	MOTA	173-2	MC7445P	MOTA	144-15	MD21	CLC	139-50	MIC320-2C	ITT	82-58	MIC930R7D	ITT	117-14
MC1247F	MOTA	67-37	MC7446P	MOTA	144-16	MD3	CLC	139-53	MIC320-3A	ITT	82-59	MIC931	ITT	47-35
MC1247L	MOTA	67-37	MC7448P	MOTA	144-17	MD31	RTN	139-21	MIC320-3B	ITT	82-60	MIC932	ITT	121-59
MC1248F	MOTA	104-78	MC7476P	MOTA	142-81	MDD1A	WILD	142-90	MIC320-3C	ITT	82-61	MIC932-1B	ITT	106-91
MC1248L	MOTA	104-79	MC830F	MOTA	161-83	MEM522	GIC	91-80	MIC321-1D	ITT	97-57	MIC932-1C	ITT	99-38
MC1259F	MOTA	168-38	MC8310F	MOTA	161-83	MEM522F	GIC	91-81	MIC321-1D1	ITT	97-58	MIC932-1D	ITT	99-39
MC1259L	MOTA	168-39	MC8311F	MOTA	161-83	MEM529	GIC	55-73	MIC321-5D1	ITT	97-59	MIC932-5D	ITT	106-92
MC1262F	MOTA	85-83	MC8316F	MOTA	161-84	MEM530	GIC	55-73	MIC322-1D	ITT	97-60	MIC932-5C	ITT	99-40
MC1262L	MOTA	85-84	MC8345L	MOTA	121-84	MEM801	GIC	18-20	MIC322-1D1	ITT	97-61	MIC932-5D	ITT	99-41
MC1263L	MOTA	85-85	MC8345L	MOTA	121-84	MEM801F	GIC	18-21	MIC322-5D	ITT	97-62	MIC932R3D	ITT	117-15
MC1263L	MOTA	85-86	MC8352L	MOTA	142-43	MEM1002	GIC	83-84	MIC322-5D1	ITT	97-63	MIC932R6D	ITT	117-16
MC1270F	MOTA	175-15	MC8352P	MOTA	142-44	MEM1005	GIC	57-79	MIC323-1D	ITT	97-64	MIC932R7D	ITT	117-17
MC1270L	MOTA	175-16	MC8353L	MOTA	144-55	MEM1008	GIC	131-18	MIC323-1D1	ITT	97-65	MIC933	ITT	132-86
MC1302P	MOTA	167-42	MC8353P	MOTA	144-56	MEM1013	GIC	83-84	MIC323-5D	ITT	97-66	MIC933-1B	ITT	133-38
MC1601F	MOTA	82-6	MC8354L	MOTA	145-12	MEM1014	GIC	64-65	MIC323-5D1	ITT	97-67	MIC933-1C	ITT	133-39
MC1602F	MOTA	82-7	MC8354P	MOTA	145-13	MEM1015	GIC	47-29	MIC324-1D	ITT	97-68	MIC933-1D	ITT	99-42
MC1603F	MOTA	82-8	MC8358L	MOTA	144-18	MEM1050	GIC	160-1	MIC324-1D1	ITT	97-69	MIC933-5C	ITT	133-40
MC1603L	MOTA	82-4	MC8358P	MOTA	144-19	MEM1050B	GIC	156-30	MIC324-5D	ITT	97-70	MIC933-5D	ITT	133-41
MC1605F	MOTA	62-4	MC8359F	MOTA	143-75	MEM1055	GIC	156-55	MIC324-5D1	ITT	97-71	MIC933R3D	ITT	99-43
MC1605L	MOTA	81-92	MC8390F	MOTA	162-13	MEM5048	GIC	156-55	MIC325-1D	ITT	97-72	MIC933R6D	ITT	133-42
MC1680S	MOTA	82-2	MC8602E P%	MOTA	162-14	MF30	HIS	58-83	MIC325-1D1	ITT	97-73	MIC933R7D	ITT	133-43
MC1681L	MOTA	81-93	MC8602E P%	MOTA	162-14	MF30	HIS	58-83	MIC325-5D1	ITT	97-74	MIC936R3D	ITT	117-18
MC1681S	MOTA	86-20	MC8603F P%	MOTA	162-15	MF35	HIS	58-87	MIC325-5D1	ITT	97-75	MIC936R7D	ITT	117-19
MC1682S	MOTA	86-21	MC8603F P%	MOTA	162-15	MGF31-62	WBC	55-72	MIC326-1D	ITT	97-76	MIC941-1B	ITT	146-47
MC1683L	MOTA	78-48	MC9310F	MOTA	142-45	MGF31-62	WBC	64-39	MIC326-5D1	ITT	97-77	MIC941-1D	ITT	146-48
MC1683S	MOTA	78-48	MC9311F	MOTA	142-46	MG2	RTN	69-95	MIC326-5D1	ITT	97-78	MIC941-5B	ITT	146-50
MC1685L	MOTA	53-67	MC9345L	MOTA	142-96	MIC74H00J	ITT	108-108	MIC330-1A	ITT	92-20	MIC944-1B	ITT	121-60
MC1685L	MOTA	53-68	MC9345L	MOTA	142-96	MIC74H10J	ITT	109-2	MIC330-1B	ITT	92-21	MIC944-1C	ITT	106-93
MC1687L	MOTA	53-69	MC9352L	MOTA	144-57	MIC74H11J	ITT	68-106	MIC330-1C	ITT	92-22	MIC944-1D	ITT	99-44
MC1688S	MOTA	61-99	MC9353L	MOTA	145-14	MIC74H20J	ITT	109-3	MIC330-2B	ITT	92-23	MIC944-1D	ITT	99-45
MC1688L	MOTA	62-2	MC9354L	MOTA	144-20	MIC74H22J	ITT	68-107	MIC330-2C	ITT	92-24	MIC944-5C	ITT	106-94
MC1689L	MOTA	61-100	MC9358F	MOTA	143-76	MIC74H30J	ITT	109-4	MIC330-3A	ITT	92-25	MIC944-5D	ITT	99-46
MC1690S	MOTA	62-3	MC9390F	MOTA	162-15	MIC74H40J	ITT	109-5	MIC330-3B	ITT	92-26	MIC944-5D	ITT	99-47
MC1697L	MOTA	61-102	MC9390F	MOTA	162-16	MIC74H50J	ITT	73-19	MIC330-3C	ITT	92-27	MIC945-1B	ITT	47-54
MC1697S	MOTA	129-36	MC9602F	MOTA	150-65	MIC74H51J	ITT	73-20	MIC331-1A	ITT	92-28	MIC945-1C	ITT	47-55
MC1697L	MOTA	129-37	MC9603F	MOTA	150-66	MIC74H53J	ITT	73-21	MIC331-1B	ITT	92-29	MIC945-1D	ITT	47-56
MC1697S	MOTA	138-67	MC9719F	MOTA	134-27	MIC74H55J	ITT	73-22	MIC331-2B	ITT	92-30	MIC945-5C	ITT	47-57
MC1697L	MOTA	138-68	MC9721F	MOTA	134-28	MIC74H60J	ITT	73-23	MIC331-2C	ITT	92-31	MIC945-5D	ITT	47-58
MC1697S	MOTA	138-69	MC9760P	MOTA	141-39	MIC74H62J	ITT	135-79	MIC331-3A	ITT	92-32	MIC945R3D	ITT	47-59
MC1697L	MOTA	163-19	MC9819F	MOTA	134-25	MIC74H72J	ITT	42-102	MIC331-3B	ITT	92-33	MIC945R6D	ITT	47-60
MC1698S	MOTA	61-68	MC9821F	MOTA	134-14	MIC74H73J	ITT	42-103	MIC331-3C	ITT	92-34	MIC945R7D	ITT	47-61
MC1698F	MOTA	161-68	MC9860P	MOTA	141-40	MIC74H74J	ITT	63-12	MIC331-5D	ITT	92-35	MIC946-1B	ITT	99-48
MC1815F P%	MOTA	58-66	MC9921F	MOTA	134-15	MIC74H76J	ITT	42-104	MIC340-1A	ITT	82-62	MIC946-1C	ITT	99-49
MC1815L P%	MOTA	58-67	MC14001L	MOTA	83-8	MIC74L00J	ITT	106-101	MIC340-1B	ITT	82-63	MIC946-1D	ITT	99-50
MC1816F P%	MOTA	58-68	MC14002L P%	MOTA	84-38	MIC74L03J	ITT	107-28	MIC340-2A	ITT	82-64	MIC946-5C	ITT	99-51
MC1816L P%	MOTA	58-69	MC14002L P%	MOTA	83-62	MIC74L20J	ITT	107-29	MIC340-2B	ITT	82-65	MIC946-5D	ITT	99-52
MC1818P	MOTA	58-55	MC14011L	MOTA	95-101	MIC74L74J	ITT	62-30	MIC340-2C	ITT	82-66	MIC946R3D	ITT	99-53
MC1818F	MOTA	58-56	MC14012L	MOTA	77-23	MIC74L93J	ITT	160-29	MIC340-3A	ITT	82-67	MIC946R6D	ITT	117-24
MC1818L	MOTA	58-58	MC14013L	MOTA	61-42	MIC74L30J	ITT	62-30	MIC340-3B	ITT	82-68	MIC946R7D	ITT	117-25
MC2009F	MOTA	46-62	MC14023BCL P%	MOTA	96-73	MIC74L41J	ITT	62-30	MIC340-3C	ITT	82-69	MIC946R7D	ITT	117-26
MC2009L	MOTA	38-72	MC14025BCL P%	MOTA	84-39	MIC300-1A	ITT	35-5	MIC341-1D	ITT	128-93	MIC948	ITT	54-82
MC2010F	MOTA	46-64	MC14068BCL P%	MOTA	96-74	MIC300-2A	ITT	35-6	MIC341-1D1	ITT	128-94	MIC948-1B	ITT	47-63
MC2010L	MOTA	46-64	MC14072BCL P%	MOTA	77-51	MIC300-2B	ITT	35-7	MIC341-5D1	ITT	128-95	MIC948-1C	ITT	47-64
MC2010P	MOTA	38-73	MC14073BCL P%	MOTA	64-86	MIC300-2C	ITT	35-8	MIC342-1D	ITT	148-12	MIC948-1D	ITT	47-65
MC2059F	MOTA	46-65	MC14082BCL P%	MOTA	64-87	MIC301-1D1	ITT	35-9	MIC342-1D1	ITT	148-13	MIC948-5C	ITT	47-66
MC2059L	MOTA	46-66	MC14507L	MOTA	128-58	MIC301-5D1	ITT	97-46	MIC342-5D1	ITT	148-14	MIC948-5D	ITT	47-67
MC2059P	MOTA	38-74	MC14570AL	MOTA	77-52	MIC302-1D1	ITT	97-47	MIC360-1A	ITT	148-15	MIC949	ITT	122-88
MC2080F	MOTA	46-67	MC14570CL P%	MOTA	77-53	MIC302-1D	ITT	97-48	MIC360-1B	ITT	92-38	MIC949-1C	ITT	99-54
MC2080L	MOTA	38-75	MC14571AL	MOTA	64-88	MIC302-5D1	ITT	97-49	MIC360-2A	ITT	92-39	MIC949-1D	ITT	99-55
MC2080P	MOTA	46-68	MC14571CL P%	MOTA	64-89	MIC303-1D	ITT	97-50	MIC360-2B	ITT	92-40	MIC949-5B	ITT	99-56
MC2109F	MOTA	46-69	MC54406F	MOTA	140-47	MIC303-1D1	ITT	97-51	MIC360-2C	ITT	92-41	MIC949-5D	ITT	99-57
MC2110F	MOTA	46-70	MC54408F	MOTA	140-48	MIC303-5D1	ITT	97-52	MIC360-3A	ITT	92-42	MIC950	ITT	56-6
MC2110L	MOTA	46-71	MC54450F	MOTA	154-62	MIC303-1B	ITT	97-53	MIC360-3B	ITT	92-43	MIC950-1B	ITT	47-51
MC2159F	MOTA	46-72	MC54450P	MOTA	154-63	MIC303-2A	ITT	97-54	MIC370-1A	ITT	92-44	MIC950-1C	ITT	47-52
MC2159L	MOTA	46-73	MC74145P	MOTA	142-97	MIC303-2B	ITT	97-55	MIC370-1B	ITT	129-57	MIC950-1D	ITT	47-53
MC2160F	MOTA	46-74	MC74192P	MOTA	162-17	MIC303-3A	ITT	146-42	MIC370-2A	ITT	129-58	MIC950-5C	ITT	47-48
MC2160L	MOTA	46-75	MC74193P	MOTA	159-58	MIC303-3B	ITT	146-43	MIC370-2B	ITT	129-59	MIC951-1C	ITT	47-49
MC2501L	MOTA	83-59	MC74406L P%	MOTA	140-49	MIC303-3C	ITT	146-44	MIC370-3A	ITT	129-60	MIC951-1D	ITT	47-50
MC2502L	MOTA	83-60	MC74406L P%	MOTA	140-50	MIC310-1A	ITT	146-45	MIC370-3B	ITT	129-61	MIC951-5B	ITT	148-95
MC2503L	MOTA	61-43	MC74450F	MOTA	154-65	MIC310-1B	ITT	118-69	MIC370					

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

DIGITAL	TYPE No.		MFRS		TYPE No.		MFRS		TYPE No.		MFRS		TYPE No.		MFRS	
	Pg&Line		Pg&Line		Pg&Line		Pg&Line		Pg&Line		Pg&Line		Pg&Line		Pg&Line	
	MIC962	ITT	121-62	MIC6451J	ITT	73-29	MIC7490J	ITT	155-40	MIC9602-1D	ITT	149-90	MIC74162N	ITT	153-97	
	MIC962-1B	ITT	100-44	MIC6453J	ITT	73-30	MIC7490N	ITT	155-41	MIC9602-5D	ITT	149-98	MIC74163J	ITT	158-82	
	MIC962-1C	ITT	99-66	MIC6454J	ITT	73-31	MIC7492J	ITT	163-46	MIC54100J	ITT	62-50	MIC74163N	ITT	158-83	
	MIC962-1D	ITT	99-67	MIC6460J	ITT	135-82	MIC7492N	ITT	163-47	MIC54104J	ITT	49-67	MIC74180J	ITT	173-20	
	MIC962-5B	ITT	99-68	MIC6470J	ITT	49-97	MIC7493J	ITT	160-56	MIC54105J	ITT	49-68	MIC74180N	ITT	173-21	
	MIC962-5C	ITT	99-69	MIC6472J	ITT	42-10	MIC7493N	ITT	160-57	MIC54107J	ITT	42-19	MIC74181J	ITT	171-24	
	MIC962-5D	ITT	99-70	MIC6473J	ITT	42-11	MIC9000-1B	ITT	41-11	MIC54109J	ITT	42-55	MIC74181N	ITT	171-25	
	MIC962R3D	ITT	117-27	MIC6474J	ITT	62-89	MIC9000-1D	ITT	40-12	MIC54118J	ITT	175-31	MIC74182J	ITT	172-22	
	MIC962R6D	ITT	117-28	MIC6476J	ITT	42-12	MIC9000-5B	ITT	41-71	MIC54121J	ITT	150-22	MIC74182N	ITT	172-23	
	MIC962R7D	ITT	117-29	MIC6486J	ITT	130-17	MIC9000-5D	ITT	40-72	MIC54122AJ	ITT	147-29	MIC74190J	ITT	153-98	
	MIC963	ITT	122-90	MIC6490J	ITT	155-39	MIC9001-1B	ITT	41-13	MIC54122J	ITT	147-30	MIC74190N	ITT	153-99	
	MIC963-1B	ITT	100-45	MIC6492J	ITT	163-45	MIC9001-1D	ITT	41-14	MIC54123AJ	ITT	147-31	MIC74191J	ITT	158-84	
	MIC963-1C	ITT	99-71	MIC6493J	ITT	160-55	MIC9001-5B	ITT	40-73	MIC54123J	ITT	147-32	MIC74191N	ITT	158-85	
	MIC963-1D	ITT	100-46	MIC7400J	ITT	109-37	MIC9001-5D	ITT	40-74	MIC54124J	ITT	150-23	MIC74192J	ITT	154-22	
	MIC963-5B	ITT	99-72	MIC7400N	ITT	109-38	MIC9002-1B	ITT	109-67	MIC54124J#1	ITT	150-24	MIC74192N	ITT	154-23	
	MIC963-5C	ITT	99-73	MIC7401AJ	ITT	109-39	MIC9002-1D	ITT	109-68	MIC54124J#2	ITT	164-29	MIC74193J	ITT	159-11	
	MIC963-5D	ITT	99-74	MIC7401AN	ITT	109-40	MIC9002-5B	ITT	106-78	MIC54130J	ITT	69-18	MIC74193N	ITT	159-12	
	MIC964	ITT	77-2	MIC7401J	ITT	109-41	MIC9002-5D	ITT	106-79	MIC54131J	ITT	69-19	ML6400#1	MSC	97-81	
	MIC966	ITT	81-12	MIC7401N	ITT	109-42	MIC9003-1B	ITT	109-69	MIC54138J	ITT	79-10	ML6400#2	MSC	97-82	
	MIC967	ITT	38-70	MIC7402J	ITT	88-36	MIC9003-1D	ITT	109-70	MIC54139J	ITT	79-11	ML6400#3	MSC	97-83	
	MIC971	ITT	81-13	MIC7402N	ITT	88-37	MIC9003-5B	ITT	106-80	MIC54141J	ITT	141-4	ML6410#1	MSC	84-84	
	MIC1890	ITT	54-77	MIC7403AJ	ITT	109-43	MIC9003-5D	ITT	106-81	MIC54145J	ITT	141-97	ML6410#2	MSC	84-85	
	MIC5400J	ITT	109-7	MIC7403AN	ITT	109-44	MIC9004-1B	ITT	109-71	MIC54154J	ITT	140-21	ML6410#3	MSC	84-86	
	MIC5401AJ	ITT	109-8	MIC7403J	ITT	109-45	MIC9004-1D	ITT	109-72	MIC54155J	ITT	140-22	ML6420#1	MSC	97-84	
	MIC5401J	ITT	109-9	MIC7403N	ITT	109-46	MIC9004-5B	ITT	106-82	MIC54156J	ITT	140-23	ML6420#2	MSC	97-85	
	MIC5402J	ITT	88-27	MIC7408J	ITT	69-8	MIC9004-5D	ITT	106-83	MIC54160J	ITT	153-89	ML6420#3	MSC	97-86	
	MIC5403AJ	ITT	109-10	MIC7408N	ITT	69-9	MIC9005-1B	ITT	68-21	MIC54161J	ITT	158-75	ML6430#1	MSC	97-87	
	MIC5403J	ITT	109-11	MIC7409AJ	ITT	69-10	MIC9005-5D	ITT	68-23	MIC54162J	ITT	153-90	ML6430#2	MSC	97-88	
	MIC5408J	ITT	68-108	MIC7409AN	ITT	69-11	MIC9006-1D	ITT	134-78	MIC54163J	ITT	158-76	ML6430#3	MSC	97-89	
	MIC5409AJ	ITT	68-109	MIC7409J	ITT	69-12	MIC9006-5D	ITT	135-33	MIC54180J	ITT	173-19	MM111	TRC	104-110	
	MIC5409J	ITT	68-110	MIC7409N	ITT	69-13	MIC9007-1B	ITT	109-73	MIC54190J	ITT	153-91	MM111B	TRC	117-108	
	MIC5410J	ITT	109-12	MIC7410J	ITT	109-47	MIC9007-1D	ITT	109-74	MIC54191J	ITT	158-77	MM112	TRC	105-1	
	MIC5411J	ITT	69-1	MIC7411J	ITT	109-48	MIC9007-5B	ITT	106-84	MIC54192J	ITT	154-20	MM211	TRC	105-3	
	MIC5412AJ	ITT	109-13	MIC7411J	ITT	69-14	MIC9008-1D	ITT	106-85	MIC54193J	ITT	159-9	MM211B	TRC	117-109	
	MIC5412J	ITT	109-14	MIC7411N	ITT	69-15	MIC9008-1D	ITT	106-86	MIC54193J	ITT	159-9	MM211B	TRC	117-109	
	MIC5420J	ITT	109-15	MIC7412AJ	ITT	109-49	MIC9008-5D	ITT	68-34	MIC64104J	ITT	49-33	MM311	TRC	104-88	
	MIC5421J	ITT	69-2	MIC7412AN	ITT	109-50	MIC9009-1B	ITT	109-75	MIC64105J	ITT	49-34	MM311B	TRC	117-106	
	MIC5425J	ITT	88-28	MIC7412J	ITT	109-51	MIC9009-1D	ITT	109-76	MIC64107J	ITT	42-20	MM312	TRC	104-108	
	MIC5426J	ITT	109-16	MIC7412N	ITT	109-52	MIC9009-5B	ITT	106-86	MIC64109J	ITT	42-56	MM411	TRC	104-90	
	MIC5428J	ITT	88-29	MIC7420J	ITT	109-53	MIC9009-5D	ITT	106-87	MIC64121J	ITT	150-25	MM411B	TRC	117-107	
	MIC5430J	ITT	109-17	MIC7420N	ITT	109-54	MIC9012-1D	ITT	105-80	MIC64122AJ	ITT	147-33	MM412	TRC	104-91	
	MIC5432J	ITT	79-5	MIC7421J	ITT	69-16	MIC9012-5D	ITT	106-8	MIC64122J	ITT	147-34	MM10333	WAL	156-22	
	MIC5433AJ	ITT	88-30	MIC7421N	ITT	69-17	MIC9016-1B	ITT	109-77	MIC64123AJ	ITT	147-35	MM10343	WAL	60-107	
	MIC5433J	ITT	88-31	MIC7425J	ITT	88-38	MIC9016-1D	ITT	109-78	MIC64123J	ITT	147-36	MM10383	WAL	66-92	
	MIC5437J	ITT	109-18	MIC7425N	ITT	88-39	MIC9016-5B	ITT	106-88	MIC64124J#1	ITT	150-26	MM10383D	WAL	66-93	
	MIC5438AJ	ITT	109-19	MIC7426J	ITT	109-55	MIC9016-5D	ITT	106-89	MIC64124J#2	ITT	164-30	MM10423	WAL	78-8	
	MIC5438J	ITT	109-20	MIC7426N	ITT	109-56	MIC9017-1D	ITT	109-79	MIC64130J	ITT	69-20	MM10423D	WAL	78-9	
	MIC5440J	ITT	109-21	MIC7428J	ITT	88-40	MIC9017-5D	ITT	106-90	MIC64131J	ITT	69-21	MM10433	WAL	147-95	
	MIC5441AJ	ITT	141-85	MIC7428N	ITT	88-41	MIC9020-1D	ITT	39-13	MIC64138J	ITT	79-12	MM10443	WAL	51-66	
	MIC5441BJ	ITT	141-1	MIC7430J	ITT	109-57	MIC9020-5D	ITT	39-14	MIC64139J	ITT	79-13	MM10863	WAL	147-92	
	MIC5442J	ITT	141-86	MIC7430N	ITT	109-58	MIC9022-1D	ITT	39-14	MIC64141J	ITT	141-98	MM10873	WAL	51-61	
	MIC5443J	ITT	144-33	MIC7432J	ITT	79-8	MIC9022-5D	ITT	39-98	MIC64145J	ITT	141-99	MM10883	WAL	66-88	
	MIC5444J	ITT	144-62	MIC7432N	ITT	79-9	MIC9024-1D	ITT	39-6	MIC64154J	ITT	139-89	MM10893	WAL	71-8	
	MIC5445J	ITT	141-87	MIC7433AJ	ITT	88-42	MIC9024-5D	ITT	39-86	MIC64155J	ITT	140-24	MM10903	WAL	66-89	
	MIC5446AJ	ITT	143-91	MIC7433AN	ITT	88-43	MIC9029	ITT	37-21	MIC64156J	ITT	140-25	MM10913	WAL	66-90	
	MIC5446J	ITT	143-92	MIC7433J	ITT	88-44	MIC9093-1B	ITT	35-102	MIC64160J	ITT	153-31	MM10923	WAL	66-91	
	MIC5447AJ	ITT	143-93	MIC7433N	ITT	88-45	MIC9093-1D	ITT	35-103	MIC64161J	ITT	158-5	MM10933	WAL	156-20	
	MIC5447J	ITT	143-94	MIC7437J	ITT	109-59	MIC9093-5B	ITT	35-104	MIC64162J	ITT	153-92	MMCA2003	SSE	64-72	
	MIC5448J	ITT	143-95	MIC7437N	ITT	109-60	MIC9093-5D	ITT	35-105	MIC64163J	ITT	158-78	MMCA2005	SSE	65-19	
	MIC5450J	ITT	73-24	MIC7438AJ	ITT	109-61	MIC9093R3D	ITT	35-106	MIC64190J	ITT	153-93	MMCA2004	SSE	65-18	
	MIC5451J	ITT	73-25	MIC7438AN	ITT	109-62	MIC9093R6D	ITT	35-107	MIC64191J	ITT	158-79	MMD12	TRC	104-107	
	MIC5453J	ITT	73-26	MIC7438J	ITT	109-63	MIC9093R7D	ITT	35-108	MIC64192J	ITT	154-21	MMF50	GECB	45-28	
	MIC5454J	ITT	73-27	MIC7438N	ITT	109-64	MIC9093X1D	ITT	35-109	MIC64193J	ITT	159-10	MMF51	GECB	45-29	
	MIC5460J	ITT	135-81	MIC7440J	ITT	109-65	MIC9093X5D	ITT	35-110	MIC74100J	ITT	62-52	MMF52	GECB	45-30	
	MIC5470J	ITT	49-96	MIC7440N	ITT	109-66	MIC9093XR3D	ITT	36-1	MIC74100N	ITT	62-53	MMF53	GECB	45-31	
	MIC5472J	ITT	42-7	MIC7441AJ	ITT	141-91	MIC9093XR6D	ITT	36-2	MIC74104J	ITT	49-69	MMF60	GECB	49-50	
	MIC5473J	ITT	42-8	MIC7441AN	ITT	141-92	MIC9093XR7D	ITT	36-3	MIC74104N	ITT	49-70	MMF61	GECB	49-51	
	MIC5474J	ITT	62-88	MIC7441BJ	ITT	141-3	MIC9094	ITT	37-22	MIC74105J	ITT	49-71	MMF62	GECB	49-52	
	MIC5475J	ITT	174-39	MIC7442J	ITT	141-93	MIC9094-1B	ITT	36-4	MIC74105N	ITT	49-72	MMF63	GECB	49-53	
	MIC5476J	ITT	42-9	MIC7442N	ITT	141-94	MIC9094-1D	ITT	36-5	MIC74107J	ITT	42-21	MMF250	GECB	49-54	
	MIC5482J	ITT	168-57	MIC7443J	ITT	144-35	MIC9094-5B	ITT	36-6	MIC74107N	ITT	42-22	MMF251	GECB	49-55	
	MIC5483J	ITT	168-58	MIC7443N	ITT	144-36	MIC9094-5D	ITT	36-7	MIC74109J	ITT	42-57	MMF252	GECB	49-56	
	MIC5486J	ITT	130-16	MIC7444J	ITT	144-64	MIC9094X1D	ITT	36-8	MIC74109N	ITT	42-58	MMF253	GECB	49-57	
	MIC5490J	ITT	155-38	MIC7444N	ITT	144-65	MIC9094X5D	ITT	36-9	MIC74118J	ITT	175-32	MMF260	GECB	49-58	
	MIC5492J	ITT	163-44	MIC7445J	ITT	141-95	MIC9094XR3D	ITT	36-10	MIC74118N	ITT	175-33	MMF261	GECB	49-59	
	MIC5493J	ITT	160-54	MIC7445N	ITT	141-96	MIC9094XR6D	ITT	36-11	MIC74121J	ITT	150-27	MMF262	GECB	49-60	
	MIC6400J	ITT	109-22	MIC7446AJ	ITT	143-101	MIC9094XR7D	ITT	36-12	MIC74121N	ITT	150-28	MMF263	GECB	49-61	
	MIC6401AJ	ITT	109-23	MIC7446AN	ITT	143-15	MIC9097	ITT	37-23	MIC74122AJ	ITT	147-37</				

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
MMG113	GECB	80-92	MP102BF	PLSB	105-15	N74H71A	MULB	42-59	N74S86A	MULB	130-100	N7470A	MULB	43-51
MMG120#1	GECB	126-40	MP102BT	PLSB	105-16	PHIN	SC		PHIN	SC		PHIN	SC	
MMG120#2	GECB	126-41	MP103	PLSB	71-102	N74H72A	MULB	42-60	N74S112B	MULB	44-34	N7472A	MULB	42-23
MMG121#1	GECB	126-42	MP103BF	PLSB	71-13	PHIN	SC		PHIN	SC		PHIN	SC	
MMG121#2	GECB	126-43	MP103BT	PLSB	71-14	N74H73A	MULB	42-61	N74S113A	MULB	44-35	N7473A	MULB	42-24
MMG122	GECB	115-4	MP104	PLSB	86-37	PHIN	SC		PHIN	SC		PHIN	SC	
MMG123	GECB	115-5	MP104BF	PLSB	86-91	N74H74A	MULB	63-13	N74S114A	MULB	44-36	N7474A	MULB	62-93
MMG130#1	GECB	126-44	MP104BT	PLSB	86-92	PHIN	SC		PHIN	SC		PHIN	SC	
MMG130#2	GECB	126-45	MP105	PLSB	71-103	N74H76B	MULB	42-62	N74S133B	MULB	109-97	N7475B	MULB	174-42
MMG131#1	GECB	126-46	MP105BF	PLSB	91-44	PHIN	SC		PHIN	SC		PHIN	SC	
MMG131#2	GECB	126-47	MP105BT	PLSB	91-45	N74H101A	MULB	43-57	N74S134B	MULB	109-98	N7476B	MULB	42-25
MMG132	GECB	115-6	MP106	PLSB	59-87	PHIN	SC		PHIN	SC		PHIN	SC	
MMG133	GECB	115-7	MP106BF	PLSB	59-88	N74H102A	MULB	43-58	N74S135B	MULB	130-101	N7480A	MULB	168-51
MMG140	GECB	115-30	MP106BT	PLSB	59-89	PHIN	SC		PHIN	SC		PHIN	SC	
MMG141	GECB	115-31	MP107B	PLSB	152-31	N74H103A	MULB	43-59	N74S182B	MULB	172-13	N7483B	MULB	168-79
MMG142	GECB	115-8	MP108B	PLSB	152-32	PHIN	SC		PHIN	SC		PHIN	SC	
MMG143	GECB	115-9	MP120B	PLSB	152-40	N74H106B	MULB	43-60	N74S196A	MULB	154-82	N7485B	MULB	170-12
MMG150#1	GECB	137-12	MP123B	PLSB	152-33	PHIN	SC		PHIN	SC		PHIN	SC	
MMG150#2	GECB	137-13	MP124B	PLSB	161-16	N74H108A	MULB	43-61	N74S197A	MULB	159-79	N7486A	MULB	79-20
MMG151#1	GECB	137-14	MP125B	PLSB	152-34	PHIN	SC		PHIN	SC		PHIN	SC	
MMG151#2	GECB	137-15	MP126B	PLSB	161-17	N74LS00A	MULB	109-85	N74S260A	MULB	88-50	N7490A	MULB	153-74
MMG152	GECB	138-5	MP127B	PLSB	152-35	PHIN	SC		PHIN	SC		PHIN	SC	
MMG153	GECB	138-6	MP131B	PLSB	162-43	N74LS01A	MULB	109-86	N82S41A	SC	130-47	N7492A	MULB	163-64
MMG162	GECB	105-31	MP134B	PLSB	162-103	PHIN	SC		N82S42A	SC	89-12	PHIN	SC	
MMG163	GECB	105-32	MPC2B	WLD	156-15	N74LS02A	MULB	88-46	N82S50A	SC	139-71	N7493A	MULB	158-65
MMG170#1	GECB	137-16	MPC2D	WLD	152-10	PHIN	SC		N82S52B	SC	142-47	PHIN	SC	
MMG170#2	GECB	137-17	MS02	NCC	53-3	N74LS03A	MULB	109-87	N82S83B	MULB	168-78	N8241A	MULB	130-48
MMG171#1	GECB	137-18	MS03	NCC	53-4	PHIN	SC		PHIN	SC		PHIN	SC	
MMG171#2	GECB	137-19	MS07	NCC	53-5	N74LS08A	MULB	69-29	N82S90A	MULB	154-79	N8242A	MULB	89-13
MMG172	GECB	138-7	MS08	NCC	59-78	PHIN	SC		PHIN	SC		PHIN	SC	
MMG173	GECB	138-8	MS10	NCC	160-25	N74LS09A	MULB	69-30	N82S91A	MULB	159-74	N8243P	MULB	176-97
MMG180#1	GECB	137-20	MS12	NCC	155-16	PHIN	SC		PHIN	SC		PHIN	SC	
MMG180#2	GECB	137-21	MS12N	NCC	160-26	N74LS10A	MULB	109-88	N100	EEC	153-5	N8243Y	MULB	176-98
MMG181#1	GECB	137-22	MS14	NCC	155-1	PHIN	SC		N101	EEC	153-6	PHIN	SC	
MMG181#2	GECB	137-23	MS15	NCC	160-27	N74LS11A	MULB	69-31	N102	EEC	155-64	N8250A	MULB	139-72
MMG182	GECB	134-47	MS16	NCC	55-33	PHIN	SC		N103	EEC	155-65	PHIN	SC	
MMG183	GECB	134-48	MS40	NCC	141-29	N74LS15A	MULB	69-32	N104	EEC	153-7	N8250J	MULB	139-73
MMG190#1	GECB	124-62	MS50	NCC	164-18	PHIN	SC		N105	EEC	155-66	PHIN	SC	
MMG190#2	GECB	124-63	MS50X	NCC	166-12	N74LS20A	MULB	109-89	N106	EEC	155-67	N8251B	MULB	142-48
MMG191#1	GECB	124-64	MS51	NCC	149-30	PHIN	SC		N109	EEC	153-19	PHIN	SC	
MMG191#2	GECB	124-65	MS62	NCC	118-31	N74LS21A	MULB	69-33	N110	EEC	155-71	N8251E	MULB	141-106
MMG192	GECB	115-10	MS63	NCC	128-53	PHIN	SC		N111	EEC	153-8	PHIN	SC	
MMG193	GECB	115-11	MS64	NCC	118-32	N74LS22A	MULB	109-90	N112	EEC	155-68	N8251R	MULB	141-107
MMG210#1	GECB	78-89	MS66	NCC	128-54	PHIN	SC		N113	EEC	153-9	PHIN	SC	
MMG210#2	GECB	78-90	MTG4	RTN	64-4	N74LS27A	MULB	88-47	N114	EEC	153-10	N8252B	MULB	141-108
MMG211#1	GECB	78-91	MTG20	RTN	64-7	PHIN	SC		N118	EEC	153-11	PHIN	SC	
MMG211#2	GECB	78-92	MV2M	SCI	164-62	N74LS30A	MULB	109-91	N119	EEC	153-12	N8252E	MULB	141-109
MMG212#1	GECB	78-93	MV2Z	SCI	164-63	PHIN	SC		N120	EEC	153-13	PHIN	SC	
MMG212#2	GECB	78-94	MV30	HIS	148-41	N74LS32A	MULB	79-18	N121	EEC	155-78	N8252R	MULB	141-110
MMG213#1	GECB	78-95	MV35	HIS	148-48	PHIN	SC		N121A	EEC	155-69	PHIN	SC	
MMG213#2	GECB	78-96	MV130	HIS	149-29	N74LS51A	MULB	73-45	N122	EEC	155-72	N8261A	MULB	176-62
MMG220#1	GECB	124-66	MV210	TRC	165-19	PHIN	SC		N124	EEC	141-35	PHIN	SC	
MMG220#2	GECB	124-67	MV310	TRC	165-20	N74LS54A	MULB	73-46	N127	EEC	153-14	N8262A	MULB	173-16
MMG221#1	GECB	124-68	MV335	HIS	165-40	PHIN	SC		N128	EEC	155-62	PHIN	SC	
MMG221#2	GECB	124-69	MV340	HIS	164-11	N74LS55A	MULB	73-47	N129	EEC	162-34	N8268A	MULB	168-40
MMG222#1	GECB	124-70	MV410	TRC	165-21	PHIN	SC		N130	EEC	141-36	PHIN	SC	
MMG222#2	GECB	124-71	MV601	CEQ	164-47	N74LS73A	MULB	42-105	N131	EEC	155-63	N8269A	MULB	170-14
MMG223#1	GECB	124-72	MV701	CEQ	164-48	PHIN	SC		N134	EEC	155-70	PHIN	SC	
MMG223#2	GECB	124-73	MV801	CEQ	164-49	N74LS74A	MULB	62-92	N135	EEC	153-15	N8275B	MULB	174-43
MMG230#1	GECB	134-106	MV901	CEQ	164-50	PHIN	SC		N136	EEC	153-16	N8275F	MULB	174-44
MMG230#2	GECB	135-1	MV1514B	INI	165-41	N74LS76B	MULB	42-106	N137	EEC	153-18	N8275W	MULB	174-45
MMG231#1	GECB	135-2	MWuL909	FSC	94-104	PHIN	SC		N138	EEC	153-17	N8280A	MULB	162-19
MMG231#2	GECB	135-3	SGAI	FSC		N74LS78A	MULB	42-107	N401	EEC	162-35	PHIN	SC	
MMG232#1	GECB	135-4	MWuL910	FSC	94-105	PHIN	SC		N402	EEC	162-33	N8280J	MULB	161-12
MMG232#2	GECB	135-5	SGAI	FSC		N74LS83B	MULB	168-77	N403	EEC	162-40	N8281A	MULB	159-77
MMG233#1	GECB	135-6	MWuL911	FSC	94-106	PHIN	SC		N7400A	MULB	109-99	PHIN	SC	
MMG233#2	GECB	135-7	SGAI	FSC		N74LS85B	MULB	170-13	PHIN	SC		N8281J	MULB	156-12
MMG240#1	GECB	124-74	MWuL913	FSC	59-18	PHIN	SC		N7401A	MULB	109-100	N8288A	MULB	159-66
MMG240#2	GECB	124-75	SGAI	FSC		N74LS107A	MULB	42-108	PHIN	SC		PHIN	SC	
MMG241#1	GECB	124-76	MWuL921	FSC	134-41	PHIN	SC		N7402A	MULB	88-51	N8290A	MULB	154-76
MMG241#2	GECB	124-77	SGAI	FSC		N74LS109B	MULB	42-63	PHIN	SC		PHIN	SC	
MMG242#1	GECB	124-78	MX53L	AMI	131-57	PHIN	SC		N7402J	SC	95-32	N8291A	MULB	159-71
MMG242#2	GECB	124-79	N8H20J	SIC	44-84	N74LS112B	MULB	42-109	N7403A	MULB	109-101	PHIN	SC	
MMG243#1	GECB	124-80	N8H21J	SIC	44-85	PHIN	SC		PHIN	SC		N8292A	MULB	154-71
MMG243#2	GECB	124-81	N8H22J	SIC	37-17	N74LS113A	MULB	42-110	N7408A	MULB	69-38	PHIN	SC	
MMG250#1	GECB	78-97	N8T20B	MULB	150-73	PHIN	SC		PHIN	SC		N8293A	MULB	159-63
MMG250#2	GECB	78-98	PHIN	SC		N74LS114A	MULB	43-1	N7409A	MULB	69-39	PHIN	SC	
MMG251#1	GECB	78-99	N26L	WLD	86-88	PHIN	SC		PHIN	SC		N11001	TSC	87-63
MMG251#2	GECB	78-100	N35L	WLD	86-89	N74LS196A	MULB	160-12	N7410A	MULB	109-102	N11004	TSC	87-64
MMG252#1	GECB	78-101	N44L	WLD	86-90	PHIN	SC		PHIN	SC		N11008	TSC	87-65
MMG252#2	GECB	78-102	N74H01A	MULB	109-80	N74LS197A	MULB	160-13	N7411A	MULB	69-40	N41001	TSC	87-66
MMG253#1	GECB	78-103	PHIN	SC		PHIN	SC		PHIN	SC		N41008	TSC	87-67
MMG253#2	GECB	78-104	N74H08A	MULB	69-26									

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

DIGITAL	TYPE No.				TYPE No.				TYPE No.				TYPE No.			
	MFRS	Pg&Line	MFRS	Pg&Line	MFRS	Pg&Line	MFRS	Pg&Line	MFRS	Pg&Line	MFRS	Pg&Line	MFRS	Pg&Line	MFRS	Pg&Line
N74193B	MULB	158- 87	NC7401BN	NPC	110- 17	NE480J	NSIC	115- 25	NS704K	SIC	85- 84	PD7460	PHIL	135- 93		
N74279B	PHIN		NC7401N	NPC	110- 18	NE481J	NSPR	105- 67	NS705G	SIC	131- 79	PD7470	PHIL	49- 86		
N74279B	PHIN		NC7402N	NPC	88- 53	NE482J	NSIC	136- 59	NS706K	SIC	131- 80	PD7472	PHIL	49- 73		
NA11-1	CAM	104- 71	NC7403BN	NPC	110- 19	NE483J	NSPR	134- 49	NS707G	SIC	131- 81	PD7473	PHIL	41- 49		
NA11-2	CAM	104- 72	NC7403N	NPC	110- 20	NE484J	NSIC		NS708K	SIC	131- 82	PD7474	PHIL	62- 69		
NA12-1	CAM	104- 73	NC7410N	NPC	110- 21	NE485J	NSPR		NS715K	SIC	100- 81	PD7475	PHIL	62- 54		
NA21-1	CAM	104- 41	NC7420N	NPC	110- 22	NE486J	NSPR	114- 103	NS716K	SIC	100- 82	PD7476	PHIL	41- 50		
NA21-2	CAM	104- 42	NC7426N	NPC	110- 23	NE487J	NSIC	114- 95	NS720J	SIC	100- 78	PD7486	PHIL	130- 21		
NA22-1	CAM	104- 43	NC7430N	NPC	110- 24	NE488J	NSPR		NS721J	SIC	100- 79	PD7490	PHIL	155- 43		
NAND2M	SCI	98- 53	NC7440N	NPC	110- 25	NE489J	NSPR	114- 104	NS727J	SIC	100- 80	PD7493	PHIL	160- 60		
NAND2Z	SCI	98- 54	NC7441AN	NPC	142- 3	NE490J	NSIC	114- 96	NS729J	SIC	55- 85	PD9093-51	PHIL	37- 25		
NAND4	SCI	101- 107	NC7442N	NPC	142- 4	NE491J	NSPR		NS730J	SIC	133- 57	PD9093-59	PHIL	37- 33		
NB1001	NSC	163- 22	NC7450N	NPC	73- 53	NE492J	NSIC	50- 9	NS731J	SIC	131- 83	PD9094-51	PHIL	37- 49		
NB1002	NSC	34- 16	NC7451N	NPC	73- 54	NE493J	NSIC	48- 11	NS732J	SIC	131- 84	PD9094-59	PHIL	37- 59		
NB1003	NSC	129- 66	NC7453N	NPC	73- 55	NE494J	NSPR		O11001	TSC	149- 87	PD9097-51	PHIL	37- 50		
NB1005	NSC	34- 13	NC7454N	NPC	73- 56	NE495J	NSIC	48- 1	O11004	TSC	149- 88	PD9097-59	PHIL	37- 60		
NB1007	NSC	129- 67	NC7460N	NPC	135- 92	NE496J	NSIC	48- 2	O11008	TSC	149- 89	PD9099-51	PHIL	37- 26		
NB1014	NSC	129- 68	NC7470N	NPC	49- 100	NE497J	NSPR		O12001	TSC	149- 6	PD9099-59	PHIL	37- 34		
NB1015	NSC	129- 69	NC7472N	NPC	49- 76	NE498J	NSIC	130- 63	O42001	TSC	149- 7	PD9180-51	PHIL	102- 5		
NB1016	NSC	129- 69	NC7473N	NPC	41- 69	NE499J	NSIC	130- 61	OB1504	EMC	165- 75	PD9180-59	PHIL	102- 6		
NB1017	NSC	38- 52	NC7474N	NPC	62- 94	NE500J	NSPR		OC1404	TRC	160- 16	PD9620-61	PHIL	127- 28		
NB1018	NSC	129- 70	NC7476N	NPC	42- 27	NE501J	NSIC	114- 105	OC5405	TRC	160- 17	PD9620-69	PHIL	127- 29		
NB1018	NSC	55- 62	NC7477N	NPC	130- 20	NE502J	NSPR	114- 97	OD20	PHI	139- 42	PD9620-71	PHIL	127- 30		
NB1019	NSC	54- 109	NC7478N	NPC	155- 42	NE503J	NSIC		OD30	PHI	139- 43	PD9620-79	PHIL	127- 31		
NB1020	NSC	55- 59	NC7479N	NPC	160- 58	NE504J	NSPR	110- 26	OD35	PHI	139- 44	PD9621-61	PHIL	127- 32		
NB1023	NSC	54- 110	NC7492N	NPC	160- 59	NE505J	NSIC	114- 106	OD335	PHI	142- 59	PD9621-69	PHIL	127- 33		
NB20C1	NSC	163- 23	NC7493N	NPC	41- 70	NE506J	NSPR	114- 98	OD5414	TRC	144- 73	PD9621-71	PHIL	127- 34		
NB20C2	NSC	34- 17	NC74121N	NPC	151- 45	NE507J	NSIC		OG11-1	CAM	77- 84	PD9621-79	PHIL	127- 35		
NB20C3	NSC	129- 71	ND01	PHI	144- 79	NE508J	NSPR	114- 107	OG11-2	CAM	77- 85	PD9622-61	PHIL	127- 36		
NB20C5	NSC	34- 14	ND1	CLC	140- 54	NE509J	NSIC	114- 99	OG11-3	CAM	77- 86	PD9622-69	PHIL	127- 37		
NB20C7	NSC	129- 72	ND330	PHI	144- 74	NE510J	NSPR		OG12-1	CAM	77- 87	PD9622-71	PHIL	127- 38		
NB2014	NSC	129- 73	ND331	PHI	144- 75	NE511J	NSIC	149- 8	OG12-2	CAM	77- 88	PD9622-79	PHIL	127- 39		
NB2015	NSC	129- 74	NE101G	PHI	122- 108	NE512J	NSPR	149- 9	OG13-1	CAM	77- 89	PD9623-61	PHIL	50- 42		
NB2016	NSC	38- 53	NE101K	PHI	122- 109	NE513J	NSIC	161- 57	OG14-1	CAM	77- 90	PD9623-69	PHIL	50- 43		
NB2017	NSC	129- 75	NE102G	PHI	122- 110	NE514J	NSPR	161- 58	OG21-1	CAM	77- 77	PD9623-71	PHIL	50- 44		
NB2018	NSC	55- 63	NE102K	PHI	123- 1	NE515J	NSIC	157- 62	OG21-2	CAM	77- 78	PD9623-79	PHIL	50- 45		
NB2019	NSC	55- 1	NE105G	PHI	132- 87	NE516J	NSPR	157- 63	OG21-3	CAM	77- 79	PD9624-61	PHIL	50- 90		
NB2020	NSC	55- 60	NE105K	PHI	132- 88	NE517J	NSIC	98- 36	OG22-1	CAM	77- 80	PD9624-69	PHIL	50- 91		
NB2023	NSC	55- 2	NE106A	PHI	133- 82	NE518J	NSPR	98- 37	OG22-2	CAM	77- 81	PD9624-71	PHIL	50- 92		
NB3001	NSC	163- 24	NE106J	PHI	133- 83	NE519J	NSIC	102- 37	OG23-1	CAM	77- 82	PD9624-79	PHIL	50- 93		
NB3002	NSC	34- 18	NE110G	PHI	123- 28	NE520J	NSPR	102- 38	OG24-1	CAM	77- 83	PD9625-61	PHIL	127- 40		
NB3003	NSC	129- 76	NE110K	PHI	123- 29	NE521J	NSIC	98- 38	OG31-1	CAM	77- 91	PD9625-69	PHIL	127- 41		
NB3005	NSC	34- 15	NE111J	PHI	100- 76	NE522J	NSPR	98- 39	OG31-2	CAM	77- 92	PD9625-71	PHIL	127- 42		
NB3007	NSC	129- 77	NE112A	PHI	123- 2	NE523J	NSIC	56- 30	OG32-2	CAM	77- 93	PD9625-79	PHIL	127- 43		
NB3014	NSC	129- 78	NE112J	PHI	123- 3	NE524J	NSPR	56- 31	OMY100	MULB	93- 22	PD9626-61	PHIL	50- 46		
NB3015	NSC	38- 54	NE113K	PHI	123- 4	NE525J	NSIC	91- 27	OMY104	MULB	93- 23	PD9626-69	PHIL	50- 47		
NB3016	NSC	129- 80	NE115G	PHI	123- 5	NE526J	NSPR	91- 28	OMY105	MULB	133- 75	PD9626-71	PHIL	50- 48		
NB3017	NSC	55- 64	NE116A	PHI	123- 6	NE527J	NSIC	122- 84	OMY106	MULB	36- 78	PD9626-79	PHIL	50- 49		
NB3018	NSC	55- 3	NE116K	PHI	123- 7	NE528J	NSPR	122- 85	OMY110	MULB	93- 24	PD9627-61	PHIL	50- 94		
NB3019	NSC	55- 61	NE117K	PHI	123- 4	NE529J	NSIC	128- 36	OMY120	MULB	93- 25	PD9627-69	PHIL	50- 95		
NB3020	NSC	55- 61	NE118K	PHI	123- 5	NE530J	NSPR	128- 37	OMY124	MULB	93- 26	PD9627-71	PHIL	50- 96		
NB3023	NSC	55- 4	NE118K	PHI	123- 6	NE531J	NSIC	124- 19	OMY125	MULB	133- 23	PD9627-79	PHIL	50- 97		
NC8	GIC	56- 84	NE119K	PHI	123- 7	NE532J	NSPR	124- 20	OMY126	MULB	36- 79	PD9628-61	PHIL	90- 93		
NC8H	GIC	56- 85	NE120K	PHI	123- 8	NE533J	NSIC	128- 38	OR2M	PHI	131- 85	PD9628-69	PHIL	90- 94		
NC10	GIC	85- 35	NE121K	PHI	123- 8	NE534J	NSPR	128- 39	OR2Z	PHI	131- 86	PD9628-71	PHIL	90- 95		
NC11	GIC	102- 79	NE122K	PHI	56- 40	NE535J	NSIC	124- 21	OS1	PHI	151- 34	PD9628-79	PHIL	90- 96		
NC16	GIC	149- 70	NE124A	PHI	56- 40	NE536J	NSPR	124- 22	OS1A	PHI	151- 35	PD9629-61	PHIL	134- 94		
NC19	GIC	164- 1	NE124K	PHI	56- 41	NE537J	NSIC	131- 77	OS2	PHI	151- 36	PD9629-69	PHIL	134- 95		
NC74H00N	NPC	109- 107	NE124G	PHI	56- 41	NE538J	NSPR	131- 78	OS2M	PHI	148- 42	PD9629-71	PHIL	134- 96		
NC74H01N	NPC	109- 108	NE124J	PHI	56- 42	NE539J	NSIC	134- 50	OS2Z	PHI	148- 43	PD9629-79	PHIL	134- 97		
NC74H10N	NPC	109- 109	NE125A	PHI	51- 45	NE540J	NSPR	134- 51	OS4	PHI	148- 107	PD9630-61	PHIL	90- 97		
NC74H11N	NPC	69- 42	NE125K	PHI	51- 45	NE541J	NSIC	125- 60	OS11-1	CAM	149- 52	PD9630-69	PHIL	90- 98		
NC74H20N	NPC	109- 110	NE125J	PHI	51- 46	NE542J	NSPR	125- 61	OS11-2	CAM	149- 53	PD9630-71	PHIL	90- 99		
NC74H21N	NPC	69- 43	NE125L	PHI	51- 46	NE543J	NSIC	125- 62	OS21	CLC	151- 33	PD9630-79	PHIL	90- 100		
NC74H22N	NPC	110- 1	NE150G	PHI	102- 65	NE544J	NSPR	125- 63	OS21-1	CAM	149- 43	PD9631-61	PHIL	138- 11		
NC74H30N	NPC	110- 2	NE150K	PHI	102- 66	NE545J	NSIC	48- 7	OS31	PHI	148- 110	PD9631-69	PHIL	138- 12		
NC74H40N	NPC	110- 3	NE150K	PHI	102- 66	NE546J	NSPR	48- 8	OS31-1	CAM	149- 54	PD9631-71	PHIL	138- 13		
NC74H50N	NPC	73- 48	NE155J	PHI	100- 77	NE547J	NSIC	47- 107	OS641A	PHI	149- 56	PD9631-79	PHIL	138- 14		
NC74H51N	NPC	73- 49	NE156A	PHI	102- 56	NE548J	NSPR	47- 108	OS642A	PHI	149- 57	PD				

1. TYPE No. CROSS INDEX

TYPE No.			MFRS			Pg&Line			TYPE No.			MFRS			Pg&Line			TYPE No.			MFRS			Pg&Line			TYPE No.			MFRS			Pg&Line		
PD9944-51	PHIL	121-86	PL982	PHIL	100-51	PL9910-21	PHIL	94-68	PM8413	WAL	78-31	RC214D	RTN	119-105																					
PD9944-59	PHIL	121-83	PL963	PHIL	100-52	PL9910-23	PHIL	94-67	PM8513	WAL	156-36	RC214G	RTN	119-106																					
PD9945-51	PHIL	56-22	PL975	PHIL	131-30	PL9911	PHIL	86-64	PM8563	WAL	156-54	RC214T	RTN	119-107																					
PD9945-59	PHIL	56-24	PL976	PHIL	86-59	PL9911-21	PHIL	95-34	PM8583	WAL	59-61	RC214T	RTN	119-108																					
PD9946-51	PHIL	121-67	PL977	PHIL	86-60	PL9911-23	PHIL	95-35	PM8793	WAL	59-62	RC215D	RTN	36-50																					
PD9946-59	PHIL	121-84	PL978	PHIL	86-61	PL9913	PHIL	60-27	PM9093-59	PHIL	37-38	RC215G	RTN	36-51																					
PD9946E51	PHIL	121-68	PL979	PHIL	134-31	PL9913-21	PHIL	57-94	PM9094-59	PHIL	37-63	RC215P	RTN	36-52																					
PD9946E59	PHIL	121-85	PL980	PHIL	86-62	PL9913-23	PHIL	57-95	PM9097-59	PHIL	37-64	RC215T	RTN	36-53																					
PD9948-51	PHIL	56-54	PL983	PHIL	86-65	PL9914	PHIL	86-83	PM9099-59	PHIL	37-39	RC216D	RTN	119-109																					
PD9948-59	PHIL	56-56	PL984	PHIL	60-26	PL9915	PHIL	86-84	PM9243	WAL	59-60	RC216G	RTN	119-110																					
PD9949-51	PHIL	122-92	PL985	PHIL	86-66	PL9916	PHIL	38-62	PM9283	WAL	67-21	RC216D	RTN	120-1																					
PD9949-59	PHIL	123-73	PL986	PHIL	105-34	PL9921	PHIL	134-32	PM9393	WAL	78-32	RC220P	RTN	99-106																					
PD9950-51	PHIL	52-75	PL987	PHIL	105-65	PL9921-21	PHIL	134-9	PM9583	WAL	67-22	RC220G	RTN	99-107																					
PD9950-59	PHIL	52-99	PL988	PHIL	38-63	PL9921-23	PHIL	134-10	PM9930-59	PHIL	121-101	RC220P	RTN	99-108																					
PD9951-51	PHIL	146-61	PL5050#1	PHIL	162-23	PL9923	PHIL	38-17	PM9932-59	PHIL	121-102	RC220T	RTN	99-109																					
PD9951-59	PHIL	146-87	PL5050#2	PHIL	162-24	PL9926	PHIL	38-66	PM9933-59	PHIL	131-90	RC221D	RTN	120-2																					
PD9951A51	PHIL	146-62	PL9093-51	PHIL	37-27	PL9930	PHIL	100-53	PM9936-59	PHIL	121-103	RC221G	RTN	120-3																					
PD9951A59	PHIL	146-80	PL9093-59	PHIL	37-36	PL9930-51	PHIL	121-69	PM9937-59	PHIL	123-80	RC221P	RTN	120-4																					
PD9961-51	PHIL	122-93	PL9094-51	PHIL	37-51	PL9930-59	PHIL	121-95	PM9944-59	PHIL	121-104	RC221T	RTN	120-5																					
PD9961-59	PHIL	123-74	PL9094-59	PHIL	37-61	PL9931	PHIL	55-26	PM9945-59	PHIL	56-26	RC222D	RTN	52-41																					
PD9962-51	PHIL	118-79	PL9097-51	PHIL	37-52	PL9931-51	PHIL	52-76	PM9946-59	PHIL	121-105	RC222G	RTN	52-42																					
PD9962-59	PHIL	118-81	PL9097-59	PHIL	37-62	PL9931-59	PHIL	52-86	PM9946E59	PHIL	121-106	RC222P	RTN	52-43																					
PD9963-51	PHIL	122-94	PL9099-51	PHIL	37-28	PL9932	PHIL	100-54	PM9948-59	PHIL	56-58	RC222T	RTN	52-44																					
PD9963-59	PHIL	123-75	PL9099-59	PHIL	37-37	PL9932-51	PHIL	121-70	PM9949-59	PHIL	123-81	RC224D	RTN	120-7																					
PD74107	PHIL	41-51	PL9180-51	PHIL	102-9	PL9932-59	PHIL	121-96	PM9950-59	PHIL	52-102	RC224G	RTN	120-7																					
PD74121	PHIL	165-30	PL9180-59	PHIL	102-18	PL9933	PHIL	131-102	PM9951-59	PHIL	146-89	RC224P	RTN	120-8																					
PD74145	PHIL	141-8	PL9600	PHIL	48-16	PL9933-51	PHIL	131-88	PM9961-59	PHIL	123-82	RC224T	RTN	120-9																					
PE9093-59	PHIL	37-35	PL9601	PHIL	38-51	PL9933-59	PHIL	131-89	PM9962-59	PHIL	118-83	RC225D	RTN	36-58																					
PE9094-59	PHIL	37-58	PL9602	PHIL	94-70	PL9935-51	PHIL	133-51	PM9963-59	PHIL	123-83	RC225G	RTN	36-59																					
PE9097-59	PHIL	59-72	PL9603	PHIL	94-71	PL9935-59	PHIL	133-52	PM10123	WAL	147-75	RC225P	RTN	36-60																					
PE9099-59	PHIL	59-77	PL9604	PHIL	91-52	PL9936-51	PHIL	121-71	PM10283	WAL	156-23	RC225T	RTN	36-61																					
PE9930-59	PHIL	121-86	PL9609	PHIL	94-107	PL9936-59	PHIL	121-97	PM10343	WAL	60-108	RC226D	RTN	120-10																					
PE9931-59	PHIL	52-85	PL9609-21	PHIL	94-62	PL9937-51	PHIL	122-95	PM10533	WAL	164-77	RC226G	RTN	120-11																					
PE9932-59	PHIL	121-87	PL9609-23	PHIL	94-63	PL9937-59	PHIL	123-76	PM10541	WAL	166-66	RC226P	RTN	120-12																					
PE9933-59	PHIL	133-63	PL9620-61	PHIL	127-44	PL9939	PHIL	86-65	PM10551	WAL	166-65	RC231D	RTN	120-13																					
PE9944-59	PHIL	121-88	PL9620-69	PHIL	127-45	PL9939-21	PHIL	94-68	PM10703	WAL	67-23	RC231G	RTN	120-14																					
PE9945-59	PHIL	52-105	PL9620-71	PHIL	127-46	PL9939-23	PHIL	94-69	PM10713	WAL	67-24	RC231P	RTN	120-15																					
PE9946-59	PHIL	121-89	PL9620-79	PHIL	127-47	PL9940-21	PHIL	38-48	PM10723	WAL	78-33	RC231T	RTN	120-16																					
PE9946E59	PHIL	121-90	PL9621-61	PHIL	127-48	PL9940-23	PHIL	38-49	PM10733	WAL	78-34	RC234D	RTN	120-17																					
PE9948-59	PHIL	52-109	PL9621-69	PHIL	127-49	PL9940A	PHIL	38-58	PM10743	WAL	51-88	RC234G	RTN	120-18																					
PE9949-59	PHIL	121-91	PL9621-71	PHIL	127-50	PL9941-51	PHIL	146-63	PM10803	WAL	146-29	RC234P	RTN	120-19																					
PE9950-59	PHIL	52-100	PL9621-79	PHIL	127-51	PL9941-59	PHIL	146-81	PM10963	WAL	147-76	RC234T	RTN	120-20																					
PE9951-59	PHIL	166-67	PL9622-61	PHIL	127-52	PL9941A51	PHIL	146-64	PM11113	WAL	155-106	RC236D	RTN	120-21																					
PE9951-59	PHIL	121-92	PL9622-69	PHIL	127-53	PL9941A59	PHIL	146-82	PN335	PHIL	76-105	RC236G	RTN	120-22																					
PE9962-59	PHIL	121-93	PL9622-71	PHIL	127-54	PL9944	PHIL	100-55	Q50	MON	166-81	RC236P	RTN	120-23																					
PE9963-59	PHIL	121-94	PL9622-79	PHIL	127-55	PL9944-51	PHIL	121-72	Q51	MON	166-32	RC241D	RTN	120-24																					
PG113	SSE	165-60	PL9623-61	PHIL	50-50	PL9944-59	PHIL	121-98	Q411	PHIL	104-109	RC241G	RTN	120-25																					
PL4C01	PHIL	154-101	PL9623-69	PHIL	50-51	PL9945	PHIL	55-22	Q414	PHIL	105-5	RC241P	RTN	120-26																					
PL4C07ACF	PHIL	152-15	PL9623-71	PHIL	50-52	PL9945-51	PHIL	56-23	Q416	PHIL	53-78	RC241T	RTN	120-27																					
PL4C07ACF	PHIL	152-16	PL9623-79	PHIL	50-53	PL9945-59	PHIL	56-25	Q417	PHIL	53-79	RC246D	RTN	120-28																					
PL4C07CF	PHIL	152-13	PL9624-61	PHIL	50-98	PL9946	PHIL	100-56	Q420	PHIL	47-84	RC246G	RTN	120-29																					
PL4C07CF	PHIL	152-14	PL9624-69	PHIL	50-99	PL9946-51	PHIL	121-73	Q421	PHIL	104-89	RC246P	RTN	120-30																					
PL4G01#1	PHIL	116-105	PL9624-71	PHIL	50-100	PL9946-59	PHIL	121-99	Q424	PHIL	53-80	RC261D	RTN	120-31																					
PL4G01#2	PHIL	116-106	PL9624-79	PHIL	50-101	PL9946E51	PHIL	121-74	Q434	PHIL	98-55	RC261G	RTN	120-32																					
PL4G02	PHIL	142-58	PL9625-61	PHIL	127-56	PL9946E59	PHIL	121-100	Q434	PHIL	53-81	RC261P	RTN	120-33																					
PL4G03#1	PHIL	140-59	PL9625-69	PHIL	127-57	PL9948	PHIL	55-27	Q435	PHIL	98-56	RC266D	RTN	120-34																					
PL4G03#2	PHIL	140-60	PL9625-71	PHIL	127-58	PL9948-51	PHIL	56-55	Q481	PHIL	98-45	RC266G	RTN	120-35																					
PL4G10AC	PHIL	83-66	PL9625-79	PHIL	127-59	PL9948-59	PHIL	56-57	Q11001	TSC	87-68	RC266P	RTN	120-36																					
PL4G10ACF	PHIL	91-57	PL9626-61	PHIL	50-54	PL9949-51	PHIL	122-96	Q11004	TSC	87-69	RC286D	RTN	99-110																					
PL4G10ACF	PHIL	91-58	PL9626-69	PHIL	50-55	PL9949-59	PHIL	123-77	Q11008	TSC	87-70	RC286G	RTN	100-1																					
PL4G10CF	PHIL	83-67	PL9626-71	PHIL	50-56	PL9950-51	PHIL	52-77	Q1001	TSC	87-71	RC286P	RTN	100-2																					
PL4G10CF	PHIL	91-59	PL9626-79	PHIL	50-57	PL9950-59	PHIL	52-101	Q41008	TSC	87-72	RC288D	RTN	148-69																					
PL4G10CF	PHIL	91-60	PL9627-61	PHIL	50-102	PL9951-51	PHIL	146-65	QF1	PHIL	48-108	RC288J	RTN	148-70																					
PL4G11AC	PHIL	83-68	PL9627-69	PHIL	50-103	PL9951-59	PHIL	146-88	QF1A	PHIL	48-109	RC288P	RTN	148-71																					
PL4G11ACF	PHIL	83-69	PL9627-71	PHIL	50-104	PL9951A51	PHIL	146-66	QF2	PHIL	48-110	RC288Q	RTN	148-72																					
PL4G11ACF	PHIL	83-70	PL9627-79	PHIL	50-105	PL9951A59	PHIL	146-83	QF21	PHIL	48-107	RC288T	RTN	148-73																					
PL4G11CF	PHIL	83-71	PL9628-61	PHIL	90-109	PL9961	PHIL	100-57	R284	DEC	52-19	RC296D	RTN	100-3																					
PL4G11CF	PHIL	83-72	PL9628-69	PHIL	90-110	PL9961-51	PHIL	122-97	R11001	TSC	60-66	RC296G	RTN	100-4																					
PL4G11CF	PHIL	83-73	PL9628-71	PHIL	91-1	PL9961-59	PHIL	123-78	R11004	TSC	60-67	RC296P	RTN	100-5																					
PL4G12AC	PHIL	83-74	PL9628-79	PHIL	91-2	PL9962	PHIL	100-58	R11008	TSC	60-68	RC301Q	RTN	59-43																					
PL4G12ACF	PHIL	83-75	PL9629-61	PHIL	134-98	PL9962-51	PHIL	118-80	R11014	TSC	60-69	RC301T	RTN	59-44																					
PL4G12ACF	PHIL	83-76	PL9629-69	PHIL	134-99	PL9962-59	PHIL	118-82	R12001	TSC	35-86	RC322A	RTN	86-95																					
PL4G12CF	PHIL	83-77	PL9629-71	PHIL	134-100	PL9963	PHIL	100-59	R12002	TSC	35-85	RC322B	RTN	86-96																					
PL4G12CF	PHIL	83-78	PL9629-79	PHIL	134-101	PL9963-51	PHIL	122-98	R16701	TSC	54-4	RC323B	RTN	86-97																					
PL4G12CF	PHIL	83-79	PL9630-61	PHIL	91-3	PL9963-59	PHIL	123-79	R41001	TSC	60-70	RC323C	RTN	86-98																					
PL4M01	PHIL	47-28	PL9630-69	PHIL	91-4	PL9974	PHIL	38-67	R41008	TSC	60-71	RC401	RTN	86-99																					
PL103	PHIL	114-57	PL9630-71	PHIL	91-5	PL9975	PHIL	129-87	R41014	TSC	60-72	RC555DN#1	RTN	164-34																					
PL104	PHIL	114-14	PL9630-79	PHIL	91-6	PL9976	PHIL	86-66	R42001	TSC	35-87	RC555DN#2	RTN	147-24																					
PL902#1	PHIL	53-106	PL9631-61	PHIL	138-15	PL9977	PHIL	86-67	R46701	TSC	54-5	RC556D#1	RTN	164-35																					
PL902#2	PHIL	53-107	PL9631-69	PHIL	138-16	PL9978	PHIL	86-68	RC103	RTN	86-38	RC556D#2	RTN	147-25																					
PL903#1	PHIL	86-73	PL9631-71	PHIL	138-17	PL9979	PHIL	134-33	RC123	RTN	86-39	RC556DP#1	RTN	164-36																					

1. TYPE No. CROSS INDEX

DIGITAL

TYPE No.				TYPE No.				TYPE No.				TYPE No.			
TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	
RC988D	RTN	150-83	RF61P	RTN	45-104	RF8601P	RTN	149-102	RG181K	RTN	70-59	RG292K	RTN	137-84	
RC988B	RTN	150-84	RF62P	RTN	45-105	RF9601K	RTN	149-91	RG182K	RTN	70-47	RG292K	RTN	137-85	
RC988P	RTN	150-85	RF62P	RTN	45-106	RF9601P	RTN	149-92	RG182K	RTN	70-60	RG293K	RTN	137-86	
RC993T	RTN	36-42	RF63K	RTN	45-107	RG1	RTN	78-75	RG182P	RTN	70-48	RG293P	RTN	137-87	
RC994P	RTN	36-43	RF63P	RTN	45-108	RG1A	RTN	78-76	RG183K	RTN	70-61	RG300K	RTN	80-65	
RC997P	RTN	36-44	RF100BL	RTN	44-101	RG2	RTN	78-77	RG183P	RTN	70-49	RG300P	RTN	80-66	
RC999P	RTN	36-45	RF100K	RTN	46-11	RG3	RTN	67-110	RG190D	RTN	115-91	RG301K	RTN	80-67	
RC1031	RTN	86-100	RF101BL	RTN	46-12	RG3A	RTN	68-1	RG190K	RTN	115-92	RG301P	RTN	80-68	
RC1032	RTN	86-101	RF101K	RTN	44-102	RG4	RTN	68-2	RG190P	RTN	115-93	RG302K	RTN	80-69	
RC1033	RTN	86-102	RF101P	RTN	46-13	RG21	RTN	78-74	RG191D	RTN	115-94	RG302P	RTN	80-70	
RC1231	RTN	87-1	RF102BL	RTN	46-14	RG23	RTN	67-109	RG191K	RTN	115-95	RG303K	RTN	80-71	
RC1232	RTN	87-2	RF102K	RTN	44-103	RG31	RTN	131-104	RG191P	RTN	115-96	RG303P	RTN	80-72	
RC1233	RTN	87-3	RF102P	RTN	46-15	RG40K	RTN	115-61	RG192D	RTN	115-97	RG310K	RTN	80-73	
RC6175G	RTN	117-30	RF103BL	RTN	46-16	RG40P	RTN	115-62	RG192P	RTN	115-98	RG310P	RTN	80-74	
RC6176G	RTN	100-6	RF103K	RTN	44-104	RG41K	RTN	115-63	RG192P	RTN	115-99	RG311K	RTN	80-75	
RC6177T	RTN	100-7	RF103P	RTN	46-17	RG41P	RTN	115-64	RG193D	RTN	115-100	RG311P	RTN	80-76	
RC6178T	RTN	120-55	RF110BL	RTN	46-18	RG42K	RTN	115-65	RG193K	RTN	115-101	RG312K	RTN	80-77	
RC6179T	RTN	120-56	RF110K	RTN	44-105	RG42P	RTN	115-66	RG193P	RTN	115-102	RG312P	RTN	80-78	
RC6180T	RTN	120-57	RF110P	RTN	46-19	RG43K	RTN	115-67	RG200K	RTN	115-103	RG313K	RTN	80-79	
RC6181T	RTN	120-58	RF111BL	RTN	46-20	RG43P	RTN	115-68	RG200P	RTN	115-104	RG313P	RTN	80-80	
RC6184T	RTN	120-59	RF111K	RTN	44-106	RG50K	RTN	79-35	RG201K	RTN	115-103	RG320K	RTN	115-21	
RC6185T	RTN	120-60	RF111P	RTN	46-21	RG50P	RTN	80-5	RG201P	RTN	115-104	RG320P	RTN	116-21	
RD200	HAS	98-34	RF112BL	RTN	46-22	RG51K	RTN	79-36	RG202K	RTN	114-83	RG321K	RTN	115-33	
RD200-1	HAS	98-35	RF112K	RTN	44-107	RG51P	RTN	80-6	RG202P	RTN	115-105	RG321P	RTN	116-22	
RD202	HAS	131-91	RF112P	RTN	46-23	RG52K	RTN	79-33	RG203K	RTN	114-84	RG322K	RTN	115-14	
RD202-1	HAS	131-92	RF113BL	RTN	46-24	RG52P	RTN	80-7	RG203P	RTN	115-106	RG322P	RTN	116-23	
RD204	HAS	55-10	RF113K	RTN	44-108	RG53K	RTN	79-34	RG210BL	RTN	75-2	RG323K	RTN	115-15	
RD204#1	HAS	55-11	RF113P	RTN	46-25	RG53P	RTN	80-8	RG210K	RTN	80-33	RG323P	RTN	116-24	
RD205	HAS	123-84	RF120BL	RTN	46-26	RG60K	RTN	115-69	RG210P	RTN	80-34	RG340D	RTN	89-23	
RD206	HAS	123-85	RF120K	RTN	44-109	RG60P	RTN	115-70	RG211BL	RTN	75-3	RG340K	RTN	89-24	
RD207	HAS	48-95	RF120P	RTN	46-28	RG61K	RTN	115-71	RG211K	RTN	80-35	RG341D	RTN	89-25	
RD208	HAS	55-28	RF121BL	RTN	46-29	RG61P	RTN	115-72	RG211P	RTN	80-36	RG341K	RTN	89-26	
RD209	HAS	122-31	RF121K	RTN	44-110	RG62K	RTN	115-73	RG212BL	RTN	74-104	RG342D	RTN	89-27	
RD210	HAS	123-86	RF121P	RTN	46-30	RG62P	RTN	115-74	RG212K	RTN	80-37	RG342K	RTN	89-28	
RD211	HAS	138-51	RF122BL	RTN	46-31	RG63K	RTN	115-75	RG212P	RTN	80-38	RG343D	RTN	89-29	
RD221	HAS	56-27	RF122K	RTN	45-1	RG63P	RTN	115-76	RG213BL	RTN	74-105	RG343K	RTN	89-30	
RD222	HAS	101-87	RF122P	RTN	46-32	RG70K	RTN	80-9	RG213K	RTN	80-39	RG3180K	RTN	70-70	
RD237	HAS	48-92	RF123BL	RTN	46-33	RG70P	RTN	80-10	RG213P	RTN	80-40	RG3180P	RTN	66-54	
RD247	HAS	37-57	RF123K	RTN	45-2	RG71K	RTN	80-11	RG220BL	RTN	117-74	RG3182K	RTN	70-71	
RD305	HAS	123-87	RF123P	RTN	46-34	RG71P	RTN	80-12	RG220K	RTN	115-107	RG3200K	RTN	97-90	
RD306	HAS	123-88	RF130BL	RTN	46-35	RG72K	RTN	80-13	RG220P	RTN	115-108	RG3200P	RTN	97-91	
RD307	HAS	48-96	RF130K	RTN	45-3	RG72P	RTN	80-14	RG221BL	RTN	117-75	RG3202K	RTN	97-92	
RD308	HAS	55-29	RF130P	RTN	46-36	RG73K	RTN	80-15	RG221K	RTN	115-109	RG3202P	RTN	97-93	
RD309	HAS	122-32	RF131BL	RTN	46-37	RG73P	RTN	80-16	RG221P	RTN	115-110	RG3210K	RTN	72-7	
RD310	HAS	123-89	RF131K	RTN	45-4	RG80K	RTN	70-50	RG222BL	RTN	117-50	RG3210P	RTN	72-8	
RD321	HAS	56-28	RF131P	RTN	46-38	RG80P	RTN	70-51	RG222K	RTN	116-1	RG3212K	RTN	72-9	
RD337	HAS	48-93	RF132BL	RTN	46-39	RG81K	RTN	70-52	RG222P	RTN	116-2	RG3212P	RTN	72-10	
RD505	HAS	123-90	RF132K	RTN	45-5	RG81P	RTN	70-53	RG223BL	RTN	117-51	RG3220K	RTN	115-16	
RD506	HAS	123-91	RF132P	RTN	46-40	RG82K	RTN	70-54	RG223K	RTN	116-3	RG3220P	RTN	97-94	
RD508	HAS	55-30	RF133BL	RTN	46-41	RG82P	RTN	70-55	RG223P	RTN	116-4	RG3222K	RTN	114-89	
RD509	HAS	122-33	RF133K	RTN	45-6	RG83K	RTN	70-56	RG230K	RTN	80-41	RG3222P	RTN	97-95	
RD510	HAS	123-92	RF133P	RTN	46-42	RG83P	RTN	70-57	RG230P	RTN	80-42	RG3230K	RTN	72-11	
RD511	HAS	138-52	RF200BL	RTN	46-43	RG90K	RTN	131-21	RG231K	RTN	80-43	RG3230P	RTN	72-12	
RD537	HAS	48-94	RF200K	RTN	45-7	RG90P	RTN	137-90	RG231P	RTN	80-44	RG3232K	RTN	72-13	
RDC332	EMC	155-80	RF201BL	RTN	46-44	RG91K	RTN	131-22	RG232K	RTN	80-45	RG3232P	RTN	72-14	
RDC362	EMC	155-81	RF201K	RTN	46-45	RG91P	RTN	137-91	RG232P	RTN	80-46	RG3240K	RTN	115-17	
RDC801	EMC	155-82	RF201P	RTN	45-8	RG92K	RTN	131-19	RG233K	RTN	80-47	RG3240P	RTN	97-96	
RDC808	EMC	163-18	RF201P	RTN	46-46	RG92P	RTN	137-92	RG233P	RTN	80-48	RG3242K	RTN	114-90	
RDD930R	HAS	121-75	RF202BL	RTN	46-47	RG93K	RTN	131-20	RG240BL	RTN	117-76	RG3242P	RTN	97-97	
RDD932R	HAS	121-76	RF202K	RTN	45-9	RG93P	RTN	137-93	RG240K	RTN	116-5	RG3250K	RTN	72-15	
RDD944R	HAS	121-77	RF202P	RTN	46-48	RG100K	RTN	80-17	RG240P	RTN	116-6	RG3250P	RTN	72-16	
RDD945R	HAS	52-104	RF203BL	RTN	46-49	RG100P	RTN	80-18	RG241BL	RTN	117-77	RG3252K	RTN	72-17	
RDD946R	HAS	121-78	RF203K	RTN	45-10	RG101K	RTN	80-19	RG241K	RTN	116-7	RG3252P	RTN	72-18	
RDD962R	HAS	121-79	RF203P	RTN	46-50	RG101P	RTN	80-20	RG241P	RTN	116-8	RG3260K	RTN	115-18	
RDT54H00R	HAS	114-24	RF210K	RTN	46-51	RG102K	RTN	80-21	RG242BL	RTN	117-52	RG3260P	RTN	97-98	
RDT54H20R	HAS	114-25	RF210P	RTN	46-52	RG102P	RTN	80-22	RG242K	RTN	116-9	RG3262K	RTN	114-91	
RDT54H51R	HAS	90-69	RF211K	RTN	46-53	RG103K	RTN	80-23	RG242P	RTN	116-10	RG3262P	RTN	97-99	
RDT54H54R	HAS	90-70	RF211P	RTN	46-54	RG103P	RTN	80-24	RG243BL	RTN	117-53	RG3270K	RTN	72-19	
RDT54H74R	HAS	63-54	RF212K	RTN	46-55	RG110K	RTN	80-25	RG243K	RTN	116-11	RG3270P	RTN	72-20	
RDXM/RDLM	WLD	155-6	RF212P	RTN	46-56	RG110P	RTN	80-26	RG243P	RTN	116-12	RG3272K	RTN	72-21	
RF10D	RTN	54-38	RF213K	RTN	46-57	RG111K	RTN	80-27	RG250BL	RTN	75-4	RG3272P	RTN	72-22	
RF10K	RTN	54-39	RF213P	RTN	46-58	RG111P	RTN	80-28	RG250K	RTN	80-49	RG3300K	RTN	72-23	
RF10P	RTN	54-40	RF250K	RTN	46-59	RG112K	RTN	80-29	RG250P	RTN	80-50	RG3300P	RTN	72-24	
RF11D	RTN	54-41	RF250P	RTN	45-17	RG112P	RTN	80-30	RG251BL	RTN	75-5	RG3302K	RTN	72-25	
RF11K	RTN	54-42	RF251K	RTN	45-109	RG113K	RTN	80-31	RG251K	RTN	80-51	RG3302P	RTN	72-26	
RF11P	RTN	54-43	RF251P	RTN	45-18	RG113P	RTN	80-32	RG251P	RTN	80-52	RG3310K	RTN	72-27	
RF12D	RTN	54-44	RF252K	RTN	45-110	RG120									

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
RG7513P	RTN	127-27	RM234G	RTN	120-99	RSN54H00H	TII	110-34	S54H74A	MULB	63-14	S5432A	MULB	79-21
RL60K	RTN	176-28	RM234F	RTN	120-100	TII			PHIN	SIC		PHIN	SIC	
RL61K	RTN	176-29	RM234T	RTN	120-101	RSN54H10H	TII	110-35	S54H76B	MULB	42-68	S5440J	SIC	110-64
RL62K	RTN	176-30	RM236D	RTN	120-102	TII			PHIN	SIC		S5442B	MULB	142-5
RL63K	RTN	176-31	RM236G	RTN	120-103	RSN54H20H	TII	110-36	S54H101A	MULB	43-62	PHIN	SIC	
RL70K	RTN	176-32	RM236P	RTN	120-104	TII			PHIN	SIC		S5443B	MULB	144-38
RL71K	RTN	176-33	RM241D	RTN	120-105	RSN54H31H	TII	110-37	S54H102A	MULB	43-63	PHIN	SIC	
RL72K	RTN	176-34	RM241G	RTN	120-106	TII			PHIN	SIC		S5444B	MULB	145-1
RL73K	RTN	176-35	RM241P	RTN	120-107	RSN54H40H	TII	110-38	S54H103A	MULB	43-64	PHIN	SIC	
RL141D	RTN	159-94	RM241Q	RTN	118-97	TII			PHIN	SIC		S5450A	MULB	71-45
RL141K	RTN	159-95	RM241T	RTN	120-108	RSN54H56H	TII	73-57	S54H106B	MULB	43-65	PHIN	SIC	
RL143D	RTN	159-96	RM246	RTN	64-5	TII			PHIN	SIC		S5451A	MULB	71-46
RL143K	RTN	159-97	RM246D	RTN	120-109	RSN54H57H	TII	73-58	S54H108A	MULB	43-66	PHIN	SIC	
RL151D	RTN	154-97	RM246G	RTN	120-110	TII			PHIN	SIC		S5453A	MULB	71-47
RL151K	RTN	154-98	RM246P	RTN	121-1	RSN54H58H	TII	73-59	S54LS196A	MULB	160-14	PHIN	SIC	
RL153D	RTN	154-99	RM261P	RTN	121-2	TII			PHIN	SIC		S5454A	MULB	71-48
RL153K	RTN	154-100	RM261G	RTN	121-3	RSN54H66H	TII	73-60	S54LS197A	MULB	160-15	PHIN	SIC	
RL163D	RTN	159-88	RM261Q	RTN	121-4	TII			PHIN	SIC		S5460A	MULB	135-97
RL163K	RTN	159-89	RM261T	RTN	118-99	RSN54H74H	TII	63-5	S54LS260A	MULB	88-55	PHIN	SIC	
RL173D	RTN	154-91	RM261T	RTN	118-99	TII			PHIN	SIC		S5470A	MULB	43-52
RL173K	RTN	154-92	RM266D	RTN	121-5	RSN54H103H	TII	42-64	S54S00A	MULB	110-50	PHIN	SIC	
RL181D	RTN	159-91	RM266G	RTN	121-6	TII			PHIN	SIC		S5472A	MULB	42-28
RL181K	RTN	159-90	RM266P	RTN	121-7	RSN54L00H	TII	106-73	S54S02A	MULB	88-56	PHIN	SIC	
RL183D	RTN	159-92	RM266D	RTN	100-16	TII			PHIN	SIC		S5473A	MULB	42-29
RL183K	RTN	159-93	RM286G	RTN	100-17	RSN54L10H	TII	106-74	S54S03A	MULB	110-51	PHIN	SIC	
RL191D	RTN	154-93	RM286P	RTN	100-18	TII			PHIN	SIC		S5474A	MULB	62-95
RL191K	RTN	154-94	RM288D	RTN	148-77	RSN54L20H	TII	106-75	S54S08A	MULB	69-47	PHIN	SIC	
RL193D	RTN	154-95	RM288J	RTN	148-78	TII			PHIN	SIC		S5475B	MULB	174-46
RL193K	RTN	154-96	RM288P	RTN	148-79	RSN54L57H	TII	71-104	S54S09A	MULB	69-48	PHIN	SIC	
RM201D	RTN	120-61	RM288Q	RTN	148-80	TII			PHIN	SIC		S5476B	MULB	41-71
RM201G	RTN	120-62	RM288T	RTN	148-81	RSN54L71H	TII	54-16	S54S10A	MULB	110-52	PHIN	SIC	
RM201P	RTN	120-63	RM296D	RTN	100-19	TII			PHIN	SIC		S5486A	MULB	79-22
RM201Q	RTN	118-90	RM296G	RTN	100-20	RSN54L72H	TII	40-70	S54S20A	MULB	110-53	PHIN	SIC	
RM201T	RTN	120-64	RM296P	RTN	100-21	TII			PHIN	SIC		S5490A	MULB	153-75
RM202D	RTN	52-48	RM558D#1	RTN	164-33	RSN54L74H	TII	62-64	S54S22A	MULB	110-54	PHIN	SIC	
RM202G	RTN	52-49	RM558D#2	RTN	147-23	TII			PHIN	SIC		S5492A	MULB	163-65
RM202P	RTN	52-50	RM930P	RTN	121-8	RSN54L130H	TII	106-76	S54S51A	MULB	71-44	PHIN	SIC	
RM202Q	RTN	55-20	RM930T	RTN	121-9	TII			PHIN	SIC		S5493A	MULB	158-66
RM202T	RTN	55-21	RM932D	RTN	121-10	RSN54L131H	TII	106-77	S54S74A	MULB	63-37	PHIN	SIC	
RM203	RTN	155-98	RM932P	RTN	121-11	TII			PHIN	SIC		S8241A	MULB	130-51
RM204D	RTN	120-65	RM933T	RTN	133-47	RSN5400H	TII	110-39	S54S86A	MULB	130-102	PHIN	SIC	
RM204G	RTN	120-66	RM933T	RTN	133-48	TII			PHIN	SIC		S8241Q	MULB	130-52
RM204P	RTN	120-67	RM944P	RTN	121-12	RSN5410H	TII	110-40	S54S112B	MULB	44-37	PHIN	SIC	
RM204Q	RTN	118-54	RM944T	RTN	121-13	TII			PHIN	SIC		S8242Q	MULB	89-16
RM204T	RTN	120-68	RM945P	RTN	55-95	RSN5420H	TII	110-41	S54S113A	MULB	44-38	PHIN	SIC	
RM205	RTN	95-59	RM945P	RTN	55-96	TII			PHIN	SIC		S8243N	MULB	176-99
RM206D	RTN	120-69	RM945T	RTN	55-97	RSN5431H	TII	110-42	S54S114A	MULB	44-39	PHIN	SIC	
RM206G	RTN	120-70	RM946P	RTN	121-14	TII			PHIN	SIC		S8243P	MULB	176-100
RM206P	RTN	120-71	RM946T	RTN	121-15	RSN5440H	TII	110-43	S54S133B	MULB	110-55	PHIN	SIC	
RM210D	RTN	100-8	RM948P	RTN	55-98	TII			PHIN	SIC		S8243Y	MULB	176-101
RM210G	RTN	100-9	RM948Q	RTN	55-99	RSN5456H	TII	73-61	S54S134B	MULB	110-56	PHIN	SIC	
RM210P	RTN	100-10	RM948T	RTN	55-100	TII			PHIN	SIC		S8250J	MULB	139-76
RM210Q	RTN	118-14	RM949P	RTN	121-16	RSN5457H	TII	73-62	S54S135B	MULB	131-1	PHIN	SIC	
RM210T	RTN	100-11	RM949T	RTN	121-17	TII			PHIN	SIC		S8251E	MULB	142-6
RM211D	RTN	120-72	RM950P	RTN	52-60	RSN5458H	TII	73-63	S54S182B	MULB	172-14	PHIN	SIC	
RM211G	RTN	120-73	RM950Q	RTN	52-61	TII			PHIN	SIC		S8251R	MULB	142-7
RM211P	RTN	120-74	RM950T	RTN	52-62	RSN5474H	TII	62-72	S54S260A	MULB	88-57	PHIN	SIC	
RM211Q	RTN	118-91	RM951P	RTN	148-82	TII			PHIN	SIC		S8252E	MULB	142-8
RM211T	RTN	120-75	RM951Q	RTN	148-83	RTC334	EMC	157-52	S82S41A	SIC	130-49	PHIN	SIC	
RM212D	RTN	52-52	RM951T	RTN	148-84	RTC354	EMC	157-54	S82S41F	SIC	130-50	PHIN	SIC	
RM212G	RTN	52-53	RM957P	RTN	100-22	RTC364	EMC	157-57	S82S42A	SIC	89-14	PHIN	SIC	
RM212P	RTN	52-54	RM958P	RTN	100-23	S8H20J	SIC	44-86	S82S42F	SIC	89-15	PHIN	SIC	
RM212Q	RTN	55-21	RM961P	RTN	121-18	S8H21J	SIC	44-87	S82S50A	SIC	139-74	PHIN	SIC	
RM212T	RTN	52-55	RM961T	RTN	121-19	S8H22J	SIC	37-18	S82S50F	SIC	139-75	PHIN	SIC	
RM213D	RTN	157-70	RM962P	RTN	121-20	S8T20B	MULB	150-74	S82S52B	SIC	142-49	PHIN	SIC	
RM213G	RTN	157-71	RM962T	RTN	121-21	PHIN	SIC		S82S52F	SIC	142-50	PHIN	SIC	
RM213P	RTN	157-72	RM963T	RTN	121-22	S26H	WLD	104-65	S82S90A	SIC	154-80	PHIN	SIC	
RM213Q	RTN	55-86	RM963T	RTN	121-23	S26M	WLD	104-60	S82S90F	SIC	154-81	PHIN	SIC	
RM213T	RTN	157-73	RM988D	RTN	150-87	S34H	WLD	104-66	S82S91A	SIC	159-75	PHIN	SIC	
RM214D	RTN	120-76	RM988J	RTN	150-88	S34M	WLD	104-61	S82S91F	SIC	159-76	PHIN	SIC	
RM214G	RTN	120-77	RM988P	RTN	150-89	S53H	WLD	104-67	S1280A	SIC	154-1	PHIN	SIC	
RM214P	RTN	120-78	RM988T	RTN	150-90	S53M	WLD	104-62	S1281A	SIC	158-88	PHIN	SIC	
RM214Q	RTN	118-95	RM998P	RTN	36-46	S54H00A	MULB	110-44	S1400	AMI	177-32	PHIN	SIC	
RM214T	RTN	120-79	RM994P	RTN	36-47	PHIN	SIC		S1401	AMI	177-33	PHIN	SIC	
RM215D	RTN	36-54	RM997P	RTN	36-48	S54H01A	MULB	110-45	S1402	AMI	177-34	PHIN	SIC	
RM215G	RTN	36-55	RM999P	RTN	36-49	PHIN	SIC		S1403	AMI	177-35	PHIN	SIC	
RM215P	RTN	36-56	RM1900D	RTN	100-24	S54H08A	MULB	69-44	S1404	AMI	177-36	PHIN	SIC	
RM215Q	RTN	36-34	RM1900J	RTN	100-25	PHIN	SIC		S1410	AMI	177-37	PHIN	SIC	
RM215T	RTN	36-57	RM1900P	RTN	100-26	S54H10A	MULB	110-46	S1694	AMI	156-32	PHIN	SIC	
RM216D	RTN	120-80	RM1901D	RTN	100-27	PHIN	SIC		S1998	AMI	177-38	PHIN	SIC	
RM216G	RTN	120-81	RM1901J	RTN	100-28	S54H11A	MULB	69-45	S2144	AMI	177-3	PHIN	SIC	
RM216P	RTN	120-82	RM1901P	RTN	100-29	PHIN	SIC		S2193	AMI	167-44	PHIN	SIC	
RM217Q	RTN	133-17	RM1902D	RTN	100-30	S54H20A	MULB	110-47	S2470	AMI	167-43	PHIN	SIC	
RM220D	RTN	100-12	RM1902J	RTN	100-31									

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

DIGITAL	TYPE No.		MFRS		TYPE No.		MFRS		TYPE No.		MFRS		TYPE No.		MFRS	
	Pg&Line		Pg&Line		Pg&Line		Pg&Line		Pg&Line		Pg&Line		Pg&Line		Pg&Line	
	S8291Q	MULB	159-73	SCL4011AD	96-76	SCL4029AC	163-12	SCL4163BF	156-103	SCL5201D	80-94					
	PHIN	SIC		SCL4011AE	96-77	SCL4029AD	163-13	SCL4174BD	161-70	SCL5206AD	139-98					
	S8292A	MULB	154-72	SCL4011AF	96-78	SCL4029AE	163-14	SCL4174BF	61-71	SCL5206AF	139-99					
	PHIN	SIC		SCL4011AH	96-79	SCL4029AF	163-15	SCL4402AC	84-60	SCL5401D	156-27					
	S8292Q	MULB	154-73	SCL4011BD	96-47	SCL4029AH	163-16	SCL4402AD	84-61	SCL5401F	156-28					
	PHIN	SIC		SCL4011BF	96-48	SCL4029BD	163-17	SCL4402AE	84-62	SCL5407AD	156-37					
	S8293A	MULB	159-64	SCL4011D	116-95	SCL4029BF	163-18	SCL4402AH	84-63	SCL5407AF	156-38					
	PHIN	SIC		SCL4011F	116-96	SCL4030AC	128-78	SCL4402BD	84-19	SCL5407D	156-25					
	S8293Q	MULB	159-65	SCL4011UBD	96-49	SCL4030AD	128-79	SCL4402BF	84-20	SCL5407F	156-26					
	PHIN	SIC		SCL4011UBF	96-50	SCL4030AE	128-80	SCL4412AC	96-90	SCL54004D	154-106					
	S9411	AMI	177-4	SCL4012AC	96-80	SCL4030AF	128-81	SCL4412AD	96-91	SCL54004F	154-107					
	S9412A	AMI	177-5	SCL4012AD	96-81	SCL4030AH	128-82	SCL4412AE	96-92	SCL54004T	154-108					
	S9412B	AMI	177-6	SCL4012AE	96-82	SCL4030BD	128-70	SCL4412AF	96-93	SD301BG	103-23					
	S9412C	AMI	177-7	SCL4012AF	96-83	SCL4030BF	128-71	SCL4412AH	96-94	SD301BJ	103-24					
	S9414A	AMI	177-8	SCL4012AH	96-84	SCL4033ABD	162-59	SCL4412BD	96-97	SD301CG	103-25					
	S9414B	AMI	177-9	SCL4012BD	96-85	SCL4033ABF	162-60	SCL4426ABD	162-49	SD301CJ	103-26					
	S9510	AMI	177-10	SCL4012BF	96-86	SCL4033AC	162-83	SCL4426ABF	162-50	SD302BG	103-27					
	S9510/S9511	AMI	177-11	SCL4012D	116-97	SCL4033AD	162-84	SCL4426AC	152-57	SD302BJ	103-28					
	S9511	AMI	177-12	SCL4012F	116-98	SCL4033AE	162-85	SCL4426AD	152-58	SD302CG	103-29					
	S9650	AMI	177-13	SCL4013AC	61-64	SCL4033AF	162-86	SCL4426AE	152-59	SD302CJ	103-30					
	S9650/S9511	AMI	177-14	SCL4013AE	61-65	SCL4033AH	162-87	SCL4426AF	152-60	SD303BG	103-31					
	S9651	AMI	177-15	SCL4013AF	61-66	SCL4040ABD	156-96	SCL4426AH	152-61	SD303BJ	103-32					
	S54107A	MULB	42-30	SCL4013BD	61-58	SCL4040ABF	156-97	SCL4428AC	139-62	SD303CG	103-33					
	PHIN	SIC		SCL4013BF	61-59	SCL4040AC	157-17	SCL4428AD	139-63	SD303CJ	103-34					
	S54109B	MULB	41-16	SCL4013D	63-71	SCL4040AD	157-18	SCL4428AE	139-64	SD311BG	37-76					
	PHIN	SIC		SCL4013F	63-72	SCL4040AE	157-19	SCL4428AF	139-65	SD311BJ	37-77					
	S54121A	MULB	150-69	SCL4017ABC	161-30	SCL4040AF	157-20	SCL4428AH	139-66	SD311CG	37-78					
	PHIN	SIC		SCL4017ABD	161-31	SCL4040AH	157-21	SCL4428BD	139-60	SD311CJ	37-79					
	S54122A	MULB	150-35	SCL4017ABE	161-32	SCL4042BD	174-92	SCL4428BF	139-61	SD312BG	37-72					
	PHIN	SIC		SCL4017ABF	161-33	SCL4042BF	174-93	SCL4433ABD	162-51	SD312BJ	37-73					
	S54123B	MULB	150-36	SCL4017ABH	161-34	SCL4043ABD	174-94	SCL4433ABF	162-52	SD312CG	37-74					
	PHIN	SIC		SCL4017AC	161-39	SCL4043ABC	174-95	SCL4433AC	152-62	SD312CJ	37-75					
	S54160B	MULB	154-26	SCL4017AD	161-40	SCL4043ABE	174-96	SCL4433AD	152-63	SD321BG	103-35					
	PHIN	SIC		SCL4017AE	161-41	SCL4043ABF	174-97	SCL4433AE	152-64	SD321BJ	103-36					
	S54161B	MULB	159-15	SCL4017AF	161-42	SCL4043ABH	174-98	SCL4433AF	152-65	SD321CG	103-37					
	PHIN	SIC		SCL4017AH	161-43	SCL4043BD	175-5	SCL4433AH	152-66	SD321CJ	103-38					
	S54162B	MULB	154-27	SCL4017BD	162-95	SCL4043BF	175-6	SCL4445BD	167-31	SD322BG	103-39					
	PHIN	SIC		SCL4017BF	162-96	SCL4044ABC	174-99	SCL4445BF	167-32	SD322BJ	103-40					
	S54163B	MULB	159-16	SCL4017D	159-106	SCL4044ABD	174-100	SCL4508BD	174-108	SD322CG	103-41					
	PHIN	SIC		SCL4017F	159-107	SCL4044ABE	174-101	SCL4510AC	152-68	SD322CJ	103-42					
	S54180A	MULB	173-12	SCL4018AC	161-44	SCL4044ABF	174-102	SCL4510AD	152-69	SD323BG	103-43					
	PHIN	SIC		SCL4018AD	161-45	SCL4044ABH	174-103	SCL4510AE	152-70	SD323BJ	103-44					
	S54182B	MULB	172-25	SCL4018AF	161-46	SCL4044BD	175-7	SCL4510AF	152-71	SD323CG	103-45					
	PHIN	SIC		SCL4018AH	161-47	SCL4044BF	175-8	SCL4510AH	152-72	SD323CJ	103-46					
	S54190B	MULB	154-2	SCL4018BD	162-30	SCL4047BD	166-82	SCL4510BD	152-55	SD324BG	103-47					
	PHIN	SIC		SCL4018BD	162-30	SCL4047BF	166-83	SCL4510BF	152-56	SD324BJ	103-48					
	S54191B	MULB	158-89	SCL4018BF	162-31	SCL4060ABD	156-98	SCL4511AC	143-64	SD324CG	103-49					
	PHIN	SIC		SCL4018D	159-108	SCL4060ABF	156-99	SCL4511AD	143-65	SD324CJ	103-50					
	S54192B	MULB	161-103	SCL4018F	159-109	SCL4060AC	157-22	SCL4511AE	143-66	SD325BG	103-51					
	PHIN	SIC		SCL4019D	71-95	SCL4060AD	157-23	SCL4511AF	143-67	SD325BJ	103-52					
	S54193B	MULB	158-90	SCL4019F	71-96	SCL4060AE	157-24	SCL4511AH	143-68	SD325CG	103-53					
	PHIN	SIC		SCL4020ABD	156-92	SCL4060AF	157-25	SCL4511BD	143-60	SD325CJ	103-54					
	S113353	ECC	166-33	SCL4020ABF	156-93	SCL4060AH	157-26	SCL4511BF	143-61	SD326BG	103-55					
	SA1004	ITT	167-33	SCL4020AC	157-12	SCL4068BD	96-55	SCL4514BD	139-104	SD326BJ	103-56					
	SA1004A	ITT	167-34	SCL4020AD	157-13	SCL4068BF	96-56	SCL4515BD	139-105	SD326CG	103-57					
	SA1005	ITT	167-35	SCL4020AE	157-14	SCL4070BD	128-72	SCL4516AC	156-110	SD326CJ	103-58					
	SA1005P	ITT	167-36	SCL4020AF	157-15	SCL4070BF	128-73	SCL4516AE	157-1	SD331BG	131-93					
	SA1005P	ITT	167-37	SCL4020AH	157-16	SCL4071AC	77-54	SCL4516AF	157-2	SD331BJ	131-94					
	SA1005P	ITT	167-38	SCL4020AD	159-100	SCL4071AD	77-55	SCL4516AH	157-3	SD331CG	131-95					
	SA1005P	ITT	167-39	SCL4020E	159-101	SCL4071AE	77-56	SCL4516BD	156-90	SD331CJ	131-96					
	SAH190	ITT	176-43	SCL4020F	159-102	SCL4071AF	77-57	SCL4516BF	156-91	SD341BG	129-14					
	SAH215	ITT	176-77	SCL4022ABC	162-53	SCL4071AH	77-58	SCL4518AC	152-73	SD341BJ	129-15					
	SAH220	RTCF	176-44	SCL4022ABD	162-54	SCL4071AH	77-58	SCL4518AC	152-73	SD341BJ	129-15					
	SAJ110A	ITT	167-14	SCL4022ABE	162-55	SCL4071BD	77-42	SCL4518AD	152-74	SD341CG	129-16					
	SAJ110B	ITT	167-15	SCL4022ABF	162-56	SCL4071BF	77-43	SCL4518AE	152-75	SD341CJ	129-17					
	SAJ250AA	VALG	165-52	SCL4022ABH	162-57	SCL4072AC	77-59	SCL4518AF	152-76	SD342BG	149-34					
	SAJ250AB	VALG	165-53	SCL4022AC	162-58	SCL4072AD	77-60	SCL4518AH	152-77	SD342BJ	149-35					
	SAJ250BA	VALG	165-54	SCL4022AD	162-59	SCL4072AE	77-61	SCL4518BD	152-51	SD342CG	149-36					
	SAJ300N	ITT	177-41	SCL4022AE	162-75	SCL4072AF	77-62	SCL4518BF	152-52	SD342CJ	149-37					
	SAJ300S	ITT	177-42	SCL4022AF	162-76	SCL4072AH	77-63	SCL4520AC	157-32	SD370BG	61-77					
	SAK115	ITT	176-78	SCL4022AH	162-77	SCL4072BD	77-44	SCL4520AD	157-33	SD370BJ	61-78					
	SA2501S2	SIEG	176-45	SCL4022BD	162-93	SCL4072BF	77-45	SCL4520AE	157-34	SD370CG	61-79					
	SA2501S4	SIEG	176-46	SCL4022BF	162-94	SCL4073AC	64-90	SCL4520AF	157-35	SD370CJ	61-80					
	SA2511S2	SIEG	176-47	SCL4023AC	96-85	SCL4073AD	64-91	SCL4520AH	157-36	SD3720	94-26					
	SA2521S4	SIEG	176-48	SCL4023AD	96-86	SCL4073AE	64-92	SCL4520BD	156-87	SD3721</						

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

DIGITAL

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
SE116J	SPR	123-25	SE8880A	SPR	114-62	SFC330M	THCF	102-31	SG293	SYL	136-79	SN54H61N	FSC	135-101
SE124G	SPR	56-44	SE8880J	SPR	114-63	SFC330PM	THCF	102-32	SG300	SYL	75-80	SN54H62F	THIB	135-102
SE124J	SPR	56-45	SF10#1	SYL	54-30	SFC331	NP	122-82	SG301	SYL	75-81	SN54H62N	FSC	135-103
SE124K	SPR	56-46	SF10#2	SYL	54-31	SFC331M	THCF	102-33	SG302	SYL	75-82	SN54H71N	FSC	43-5
SE124L	SPR	56-47	SF11#1	SYL	54-32	SFC331PM	THCF	102-34	SG303	SYL	75-83	SN54H71F	THIB	43-4
SE124M	SPR	56-48	SF11#2	SYL	54-33	SFC331M	THCF	102-34	SG310	SYL	75-84	SN54H71N	FSC	43-5
SE124N	SPR	56-49	SF12#1	SYL	54-34	SFC350	NP	122-83	SG311	SYL	75-85	SN54H72F	THIB	43-6
SE124O	SPR	56-50	SF12#2	SYL	54-35	SFC350M	THCF	102-35	SG312	SYL	75-86	SN54H72N	FSC	43-7
SE124P	SPR	56-51	SF13#1	SYL	54-36	SFC350PM	THCF	102-36	SG320	SYL	105-89	SN54H72N	FSC	43-8
SE124Q	SPR	56-52	SF13#2	SYL	54-37	SFC441BE	THCF	141-9	SG321	SYL	105-90	SN54H72N	FSC	43-9
SE124R	SPR	56-53	SF20#1	SYL	57-46	SFC447AE	THCF	142-72	SG322	SYL	105-91	SN54H72N	FSC	43-10
SE124S	SPR	56-54	SF20#2	SYL	57-47	SFC760E	THCF	97-106	SG323	SYL	105-92	SN54H72N	FSC	43-11
SE124T	SPR	56-55	SF21#1	SYL	57-48	SFC761E	THCF	89-53	SI30	HIS	140-79	SN54H72N	FSC	43-12
SE124U	SPR	56-56	SF21#2	SYL	57-49	SFC763E	THCF	35-26	SI830	SIX	121-30	SN54H72N	FSC	43-13
SE124V	SPR	56-57	SF22#1	SYL	57-50	SFC770E	THCF	97-107	SI831	SIX	47-85	SN54H72N	FSC	43-14
SE124W	SPR	56-58	SF22#2	SYL	57-51	SFC771E	THCF	97-108	SI832	SIX	100-60	SN54H72N	FSC	43-15
SE124X	SPR	56-59	SF23#1	SYL	57-52	SFF2M	SCI	60-90	SI833	SIX	133-53	SN54H72N	FSC	43-16
SE124Y	SPR	56-60	SF23#2	SYL	57-53	SFF2Z	SCI	60-91	SI844	SIX	100-61	SN54H72N	FSC	43-17
SE124Z	SPR	56-61	SF30	SYL	57-26	SG40	SYL	126-48	SI845	SIX	47-86	SN54H72N	FSC	43-18
SE125A	SPR	56-62	SF31	SYL	57-27	SG41	SYL	126-49	SI846	SIX	121-41	SN54H72N	FSC	43-19
SE125B	SPR	56-63	SF32	SYL	57-28	SG42	SYL	126-50	SI846F	SIX	121-31	SN54H72N	FSC	43-20
SE125C	SPR	56-64	SF33	SYL	57-29	SG43	SYL	126-51	SI848	SIX	55-101	SN54H72N	FSC	43-21
SE125D	SPR	56-65	SF50	SYL	45-32	SG50	SYL	79-73	SI862	SIX	121-32	SN54H72N	FSC	43-22
SE125E	SPR	56-66	SF51	SYL	45-33	SG51	SYL	79-74	SI930	SIX	121-33	SN54H72N	FSC	43-23
SE125F	SPR	56-67	SF52	SYL	45-34	SG52	SYL	79-75	SI930D	SIX	123-93	SN54H72N	FSC	43-24
SE125G	SPR	56-68	SF53	SYL	45-35	SG53	SYL	79-76	SI931	SIX	47-87	SN54H72N	FSC	43-25
SE125H	SPR	56-69	SF60	SYL	50-20	SG53	SYL	79-76	SI931D	SIX	47-79	SN54H72N	FSC	43-26
SE125I	SPR	56-70	SF61	SYL	50-21	SG60	SYL	126-52	SI932D	SIX	123-94	SN54H72N	FSC	43-27
SE125J	SPR	56-71	SF62	SYL	50-22	SG61	SYL	126-53	SI933	SIX	100-62	SN54H72N	FSC	43-28
SE125K	SPR	56-72	SF63	SYL	50-23	SG62	SYL	126-54	SI933D	SIX	123-94	SN54H72N	FSC	43-29
SE125L	SPR	56-73	SF100	SYL	34-42	SG63	SYL	126-55	SI933	SIX	133-54	SN54H72N	FSC	43-30
SE125M	SPR	56-74	SF101	SYL	34-43	SG70	SYL	75-34	SI933D	SIX	131-105	SN54H72N	FSC	43-31
SE125N	SPR	56-75	SF102	SYL	34-44	SG71	SYL	75-35	SI944	SIX	100-63	SN54H72N	FSC	43-32
SE125O	SPR	56-76	SF103	SYL	34-45	SG72	SYL	75-36	SI944D	SIX	123-95	SN54H72N	FSC	43-33
SE125P	SPR	56-77	SF110	SYL	34-46	SG73	SYL	75-37	SI945	SIX	47-88	SN54H72N	FSC	43-34
SE125Q	SPR	56-78	SF111	SYL	34-47	SG90	SYL	130-80	SI945D	SIX	52-110	SN54H72N	FSC	43-35
SE125R	SPR	56-79	SF112	SYL	34-48	SG91	SYL	130-81	SI946	SIX	121-42	SN54H72N	FSC	43-36
SE125S	SPR	56-80	SF113	SYL	34-49	SG92	SYL	130-82	SI946D	SIX	123-96	SN54H72N	FSC	43-37
SE125T	SPR	56-81	SF120	SYL	34-66	SG93	SYL	130-83	SI946F	SIX	121-34	SN54H72N	FSC	43-38
SE125U	SPR	56-82	SF121	SYL	34-67	SG100	SYL	79-77	SI948	SIX	55-102	SN54H72N	FSC	43-39
SE125V	SPR	56-83	SF122	SYL	34-68	SG101	SYL	79-78	SI948D	SIX	51-102	SN54H72N	FSC	43-40
SE125W	SPR	56-84	SF123	SYL	34-69	SG102	SYL	79-79	SI962	SIX	121-35	SN54H72N	FSC	43-41
SE125X	SPR	56-85	SF130	SYL	34-70	SG103	SYL	79-80	SI962D	SIX	123-97	SN54H72N	FSC	43-42
SE125Y	SPR	56-86	SF131	SYL	34-71	SG110	SYL	79-81	SMC1	CLC	165-16	SN54H72N	FSC	43-43
SE125Z	SPR	56-87	SF132	SYL	34-72	SG111	SYL	79-82	SMC1X	CLC	166-47	SN54H72N	FSC	43-44
SE126A	SPR	56-88	SF133	SYL	34-73	SG112	SYL	79-83	SMC3	CLC	165-17	SN54H72N	FSC	43-45
SE126B	SPR	56-89	SF200	SYL	50-106	SG113	SYL	79-84	SMCX	CLC	166-46	SN54H72N	FSC	43-46
SE126C	SPR	56-90	SF201	SYL	50-107	SG120	SYL	126-56	SMD1	CLC	139-45	SN54H72N	FSC	43-47
SE126D	SPR	56-91	SF202	SYL	50-108	SG121	SYL	126-57	SMD21	CLC	139-46	SN54H72N	FSC	43-48
SE126E	SPR	56-92	SF203	SYL	50-109	SG122	SYL	126-58	SN54H00	TII	110-67	SN54H72N	FSC	43-49
SE126F	SPR	56-93	SF210	SYL	50-110	SG123	SYL	126-59	SN54H00F	THIB	110-68	SN54H72N	FSC	43-50
SE126G	SPR	56-94	SF211	SYL	51-1	SG130	SYL	126-60	SN54H00N	THIB	110-69	SN54H72N	FSC	43-51
SE126H	SPR	56-95	SF212	SYL	51-2	SG131	SYL	126-61	SN54H00N	FSC	110-70	SN54H72N	FSC	43-52
SE126I	SPR	56-96	SF213	SYL	51-3	SG132	SYL	126-62	SN54H01N	THIB	110-71	SN54H72N	FSC	43-53
SE126J	SPR	56-97	SF250#1	SYL	50-58	SG133	SYL	126-63	SN54H10F	THIB	110-72	SN54H72N	FSC	43-54
SE126K	SPR	56-98	SF250#2	SYL	50-59	SG140	SYL	126-64	SN54H10N	FSC	110-73	SN54H72N	FSC	43-55
SE126L	SPR	56-99	SF251#1	SYL	50-60	SG141	SYL	126-65	SN54H10N	THIB	110-74	SN54H72N	FSC	43-56
SE126M	SPR	56-100	SF251#2	SYL	50-61	SG142	SYL	126-66	SN54H10N	THIB	110-75	SN54H72N	FSC	43-57
SE126N	SPR	56-101	SF252#1	SYL	50-62	SG143	SYL	126-67	SN54H10N	THIB	110-76	SN54H72N	FSC	43-58
SE126O	SPR	56-102	SF252#2	SYL	50-63	SG150	SYL	137-24	SN54H11F	THIB	69-53	SN54H72N	FSC	43-59
SE126P	SPR	56-103	SF253#1	SYL	50-64	SG151	SYL	137-25	SN54H11N	FSC	69-54	SN54H72N	FSC	43-60
SE126Q	SPR	56-104	SF253#2	SYL	50-65	SG152	SYL	137-26	SN54H11N	THIB	69-55	SN54H72N	FSC	43-61
SE126R	SPR	56-105	SF260#1	SYL	50-66	SG153	SYL	137-27	SN54H15N	THIB	69-55	SN54H72N	FSC	43-62
SE126S	SPR	56-106	SF260#2	SYL	50-67	SG170	SYL	137-28	SN54H20	THIB	110-73	SN54H72N	FSC	43-63
SE126T	SPR	56-107	SF261#1	SYL	50-68	SG171	SYL	137-29	SN54H20F	THIB	110-74	SN54H72N	FSC	43-64
SE126U	SPR	56-108	SF261#2	SYL	50-69	SG172	SYL	137-30	SN54H20F	THIB	110-75	SN54H72N	FSC	43-65
SE126V	SPR	56-109	SF262#1	SYL	50-70	SG173	SYL	137-31	SN54H20F	THIB	110-76	SN54H72N	FSC	43-66
SE126W	SPR	56-110	SF262#2	SYL	50-71	SG180	SYL	137-32	SN54H20N	THIB	110-77	SN54H72N	FSC	43-67
SE126X	SPR	56-111	SF263#1	SYL	50-72	SG181	SYL	137-33	SN54H20N	THIB	110-78	SN54H72N	FSC	43-68
SE126Y	SPR	56-112	SF263#2	SYL	50-73	SG182	SYL	137-34	SN54H20N	THIB	110-79	SN54H72N	FSC	43-69
SE126Z	SPR	56-113	SF301	THCF	102-62	SG183	SYL	137-35	SN54H20N	THIB	110-80	SN54H72N	FSC	43-70
SE127A	SPR	56-114	SF302	THCF	102-63	SG190	SYL	126-68	SN54H21	THIB	69-56	SN54H72N	FSC	43-71
SE127B	SPR	56-115	SF303	THCF	102-64	SG191	SYL	126-69	SN54H21F	THIB	69-57	SN54H72N	FSC	43-72
SE127C	SPR	56-116	SF310	THCF	52-106	SG192	SYL	126-70	SN54H21N	FSC	69-58	SN54H72N	FSC	43-73
SE127D	SPR	56-117	SF311	THCF	131-49	SG193	SYL	126-71	SN54H21N	THIB	69-58	SN54H72N	FSC	43-74
SE127E	SPR	56-118	SF312	THCF	134-69	SG200	SYL	128-8	SN54H22N	THIB	110-76	SN54H72N	FSC	43-75
SE127F	SPR	56-119	SF313	THCF	87-73									

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

DIGITAL	TYPE No.			TYPE No.			TYPE No.			TYPE No.			TYPE No.		
	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
	SN54LS73W	TIH	40-98	SN74H30F	TIH	110-98	SN74L71R	NSC	55-66	SN512B	TIH	123-107	SN5401N	FSC	111-1
	SN54LS74J	TIH	62-33	SN74H30W	FSC	110-99	SN74L71T	TIH	54-19	SN513A	TIH	118-22	SN5402	TIH	88-60
	SN54LS74W	TIH	62-34	SN74H40F	TIH	110-100	SN74L72R	NSC	40-82	SN513B	TIH	118-23	SN5402N	FSC	88-61
	SN54LS83J	TIH	168-90	SN74H40W	FSC	110-101	SN74L72T	TIH	49-65	SN514A	TIH	123-108	SN5403N	FSC	111-2
	SN54LS83W	TIH	168-91	SN74H50F	TIH	90-18	SN74L73R	NSC	40-78	SN514B	TIH	123-109	SN5408N	FSC	124-100
	SN54LS86N	TIH	129-103	SN74H50W	FSC	73-76	SN74L73T	TIH	49-66	SN515B	TIH	129-46	SN5409N	FSC	124-101
	SN54LS109J	TIH	40-95	SN74H51F	TIH	90-19	SN74L74T	TIH	62-32	SN516A	TIH	118-10	SN5409S	FSC	124-102
	SN54LS109W	TIH	40-96	SN74H51W	FSC	73-77	SN74L78R	NSC	40-79	SN516B	TIH	118-8	SN5410	TIH	124-103
	SN54LS136N	TIH	129-104	SN74H52F	TIH	81-16	SN74L78T	TIH	40-80	SN518A	TIH	149-64	SN5410N	FSC	111-3
	SN54LS138N	TIH	145-15	SN74H52W	FSC	71-50	SN74L86T	TIH	129-105	SN518B	TIH	149-68	SN5410N	FSC	111-3
	SN54LS139N	TIH	144-103	SN74H53F	TIH	90-20	SN74L90T	TIH	155-19	SN530	TIH	37-11	SN5412N	TIH	111-4
	SN54LS168AJ	TIH	153-50	SN74H53W	TIH	90-21	SN74L93D	NSC	156-10	SN531	TIH	76-87	SN5420	TIH	124-104
	SN54LS168AW	TIH	153-51	SN74H54F	TIH	90-22	SN74L93F	NSC	156-11	SN532	TIH	76-103	SN5420N	FSC	111-5
	SN54LS169AJ	TIH	161-6	SN74H54W	FSC	73-78	SN74L93T	TIH	160-31	SN533	TIH	122-2	SN5422N	TIH	111-6
	SN54LS169AW	TIH	161-7	SN74H55F	TIH	90-23	SN74L121T	TIH	147-18	SN534	TIH	76-104	SN5423N	FSC	88-62
	SN54LS196N	TIH	153-58	SN74H55W	FSC	73-79	SN74L122T	TIH	150-38	SN1500	TIH	133-59	SN5423N	FSC	88-62
	SN54LS197N	TIH	158-45	SN74H60F	TIH	135-104	SN74L154AN	NSC	139-87	SN1501	TIH	121-43	SN5425N	TIH	88-63
	SN54LS266N	TIH	138-72	SN74H60W	FSC	135-105	SN74LS74J	TIH	62-96	SN1502	TIH	128-49	SN5426N	FSC	111-7
	SN54LS363J	TIH	175-54	SN74H61F	TIH	135-106	SN74LS74N	TIH	62-97	SN1503	TIH	121-44	SN5427N	FSC	88-64
	SN54S00N	FSC	110-81	SN74H61W	FSC	135-107	SN74LS83J	TIH	168-92	SN1504	TIH	121-45	SN5428N	TIH	88-65
	SN54S03N	FSC	110-82	SN74H62F	TIH	135-108	SN74LS83N	TIH	168-93	SN1505	TIH	121-46	SN5430	TIH	124-105
	SN54S10N	TIH	110-83	SN74H62W	FSC	135-109	SN74LS109J	TIH	42-69	SN1510	TIH	55-110	SN5430N	FSC	111-8
	SN54S11N	TIH	69-59	SN74H71	TIH	49-110	SN74LS109N	TIH	42-70	SN1511	TIH	47-34	SN5432N	FSC	79-23
	SN54S15N	TIH	69-60	SN74H71F	TIH	43-17	SN74LS138W	TIH	145-16	SN1512	TIH	52-68	SN5433N	TIH	88-66
	SN54S20N	FSC	110-84	SN74H71W	FSC	43-18	SN74LS139W	TIH	144-104	SN1513	TIH	47-69	SN5433N	TIH	88-66
	SN54S22N	FSC	110-85	SN74H72F	TIH	43-19	SN74LS363J	TIH	175-55	SN1514	TIH	148-98	SN5437N	FSC	111-9
	SN54S40N	FSC	110-86	SN74H72W	FSC	43-20	SN74LS363N	TIH	175-56	SN1515	TIH	47-70	SN5438N	FSC	111-10
	SN54S64N	FSC	73-74	SN74H73F	TIH	43-21	SN74LS374N#	none	63-30	SN1516	TIH	47-71	SN5440N	FSC	111-11
	SN54S65N	FSC	73-75	SN74H73W	FSC	43-22	SN74S00W	FSC	110-102	SN1517	TIH	47-72	SN5441N	NSC	141-11
	SN54S74N	FSC	63-39	SN74H74W	FSC	63-16	SN74S03W	TIH	110-103	SN1518	TIH	47-73	SN5442N	FSC	142-10
	SN54S112N	FSC	44-16	SN74H76W	TIH	43-23	SN74S03W	TIH	110-103	SN1519	TIH	34-8	SN5443N	FSC	144-66
	SN54S113N	FSC	41-17	SN74H78F	TIH	43-24	SN74S10W	FSC	110-104	SN1520	TIH	34-9	SN5444N	FSC	142-11
	SN54S114N	FSC	41-18	SN74H78W	FSC	43-25	SN74S11W	FSC	69-67	SN1521	TIH	47-74	SN5445N	FSC	144-82
	SN54S140N	FSC	110-87	SN74H87W	FSC	176-68	SN74S15W	FSC	69-68	SN1522	TIH	47-75	SN5446N	FSC	143-21
	SN54S174J	none	63-40	SN74H101W	FSC	43-105	SN74S20W	FSC	110-105	SN1523	TIH	148-99	SN5447N	FSC	143-22
	SN54S174N	TIH	63-32	SN74H102W	FSC	43-106	SN74S22W	FSC	110-106	SN1524	TIH	56-71	SN5448N	FSC	144-84
	SN54S174W	none	63-41	SN74H103W	FSC	43-107	SN74S40W	FSC	110-107	SN1525	TIH	57-101	SN5449N	FSC	143-23
	SN54S175J	none	63-42	SN74H103W	TIH	43-107	SN74S64W	FSC	73-80	SN1526	TIH	57-102	SN5450N	FSC	73-82
	SN54S175N	TIH	63-33	SN74H106W	TIH	43-108	SN74S65W	FSC	73-81	SN1527	TIH	57-103	SN5450N	FSC	73-82
	SN54S175W	none	63-43	SN74H108W	FSC	43-109	SN74S74W	FSC	63-44	SN1528	TIH	104-94	SN5451N	FSC	90-25
	SN54S182AJ	none	172-1	SN74L00R	NSC	107-42	SN74S74W	FSC	63-44	SN1529	TIH	104-94	SN5451N	FSC	90-25
	SN54S274J	TIH	169-14	SN74L00T	NSC	107-43	SN74S112W	FSC	44-17	SN1530	TIH	104-92	SN5453N	FSC	73-84
	SN54S373J#	none	175-44	SN74L01J	TIH	106-105	SN74S113W	FSC	41-19	SN1531	TIH	118-18	SN5454N	FSC	73-85
	SN54S412J	TIH	175-45	SN74L01N	TIH	106-106	SN74S114W	FSC	41-20	SN1532	TIH	118-16	SN5455N	FSC	90-24
	SN64L71N	TIH	43-13	SN74L01N	TIH	106-106	SN74S124W	TIH	166-41	SN1533	TIH	131-25	SN5456N	FSC	136-1
	SN64L72N	TIH	43-14	SN74L01T	TIH	106-107	SN74S140W	FSC	110-108	SN1534	TIH	129-43	SN5470	FSC	49-101
	SN64L73N	TIH	43-15	SN74L02T	TIH	87-107	SN74S174J	none	63-45	SN1535	TIH	129-44	SN5470N	FSC	49-102
	SN64L78N	TIH	43-16	SN74L02T	TIH	87-107	SN74S174N	none	63-46	SN1536	TIH	122-3	SN5472	FSC	49-77
	SN74H00	TIH	110-88	SN74L10R	NSC	107-44	SN74S174W	TIH	63-34	SN1537	TIH	122-4	SN5472N	FSC	49-78
	SN74H00F	TIH	110-89	SN74L10T	NSC	107-45	SN74S175W	TIH	63-35	SN1538	TIH	101-106	SN5473	NSC	41-72
	SN74H00W	FSC	110-90	SN74L20R	NSC	107-46	SN341A	TIH	102-82	SN1539	TIH	71-7	SN5473N	FSC	41-72
	SN74H01W	FSC	110-91	SN74L20T	NSC	107-47	SN347A	TIH	102-83	SN1540	TIH	121-38	SN5477N	FSC	49-77
	SN74H10F	TIH	110-92	SN74L30T	NSC	107-49	SN348A	TIH	85-36	SN1541	TIH	121-39	SN5478N	FSC	49-78
	SN74H10W	FSC	110-93	SN74L43J	TIH	144-40	SN359A	TIH	102-84	SN1542	TIH	76-102	SN5479N	FSC	49-79
	SN74H11F	TIH	69-61	SN74L43N	TIH	144-41	SN510A	TIH	56-72	SN1543	TIH	121-40	SN5480N	FSC	49-80
	SN74H11W	FSC	69-62	SN74L44J	TIH	145-3	SN510B	TIH	56-73	SN1544	TIH	128-107	SN5481N	FSC	49-81
	SN74H15W	TIH	69-63	SN74L44N	TIH	145-4	SN510C	TIH	56-74	SN1545	TIH	148-91	SN5482N	FSC	49-82
	SN74H20	TIH	110-94	SN74L51R	TIH	89-94	SN511A	TIH	58-91	SN1546	TIH	124-99	SN5483N	FSC	49-83
	SN74H20F	TIH	110-95	SN74L51T	TIH	72-80	SN511B	TIH	58-92	SN1547	TIH	110-109	SN5484N	FSC	49-84
	SN74H20W	FSC	110-96	SN74L55R	TIH	89-96	SN512A	TIH	123-106	SN1548	TIH	110-110	SN5485N	FSC	49-85
	SN74H21	TIH	69-64	SN74L55T	TIH	72-82				SN1549	TIH	110-110	SN5486N	FSC	49-86
	SN74H21F	TIH	69-65							SN1550	TIH	110-110	SN5487N	FSC	49-87
	SN74H22W	FSC	110-97							SN1551	TIH	110-110	SN5488N	FSC	49-88
	SN74H22W	TIH								SN1552	TIH	110-110	SN5489N	FSC	49-89

1. TYPE No. CROSS INDEX

				IN TYPE NUMBER SEQUENCE										
TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line			
SN5473N	FSC	49-79	SN7410	TIIB	111-23	SN10102N	TIIB	86-26	SN15322J	TIIB	103-67	SN54932	TIIB	118-30
NSC	TIIB		SN7410P	TIIB	106-96	SN10103J	TIIB	78-50	SN15322N	TIIB	103-68	SN54946	TIIB	114-29
SN5474J	FSC	62-98	SN7410W	TIIB	124-110	SN10103N	TIIB	78-51	SN15323J	TIIB	103-69	SN54948	TIIB	41-75
NSC	TIIB		SN7420	TIIB	111-24	SN10104J	TIIB	67-42	SN15323N	TIIB	103-70	SN54948N	TIIB	41-76
SN5474N	FSC	62-99	SN7420P	TIIB	106-97	SN10104N	TIIB	67-43	SN15324J	TIIB	103-71	SN54962	TIIB	121-107
NSC	TIIB		SN7420W	TIIB	125-1	SN10105J	TIIB	82-11	SN15324N	TIIB	103-72	SN54965	TIIB	114-26
SN5474W	TIIB	62-100	SN7422W	TIIB	111-25	SN10105N	TIIB	82-12	SN15325J	TIIB	103-73	SN54966	TIIB	90-71
SN5476N	FSC	42-31	SN7423W	FSC	88-70	SN10106N	TIIB	86-27	SN15325N	TIIB	103-74	SN74100W	TIIB	61-13
NSC	TIIB		SN7425W	TIIB	88-71	SN10106J	TIIB	86-28	SN15326J	TIIB	103-75	SN74104W	FSC	49-41
SN5486N	FSC	130-22	SN7426W	TIIB	111-26	SN10107N	TIIB	86-29	SN15326N	TIIB	103-76	SN74105W	FSC	49-42
NSC	TIIB		SN7428W	TIIB	88-72	SN10107N	TIIB	129-41	SN15326N	TIIB	103-76	SN74109W	FSC	41-22
SN5490	NSC	155-44	SN7430	TIIB	111-27	SN10107N	TIIB	129-42	SN15331J	TIIB	133-88	SN74110W	TIIB	42-36
TIIB	TIIB		SN7430W	TIIB	125-2	SN10108J	TIIB	76-30	SN15331N	TIIB	133-89	SN74111W	TIIB	41-23
SN5490AN	TIIB	154-56	SN7432W	FSC	79-24	SN10108N	TIIB	76-31	SN15332J	TIIB	103-77	SN74121W	FSC	151-47
SN5490J	NSC	154-57	SN7433W	TIIB	88-73	SN10109J	TIIB	82-13	SN15332N	TIIB	103-78	SN74122W	FSC	147-53
SN5490J#	NSC	153-81	SN7437W	FSC	111-28	SN10109N	TIIB	82-14	SN15333J	TIIB	103-79	SN74123W	FSC	147-54
SN5490S	FSC	155-22	SN7438W	TIIB	111-29	SN10110J	TIIB	78-52	SN15333N	TIIB	103-80	SN74128W	TIIB	88-75
SN5492AN	TIIB	154-58	SN7440	TIIB	111-30	SN10110N	TIIB	78-53	SN15342J	TIIB	146-100	SN74145	TIIB	144-91
SN5492J	NSC	160-85	SN7440P	TIIB	118-28	SN10111J	TIIB	86-29	SN15342N	TIIB	146-101	SN74145W	TIIB	141-18
SN5493	TIIB	160-62	SN7440S	FSC	125-3	SN10111N	TIIB	86-30	SN15830L	TIIB	99-75	SN74154W	TIIB	142-76
SN5493AN	TIIB	159-55	SN7440W	TIIB	111-31	SN10113J	TIIB	131-5	SN17909	TIIB	118-27	SN74155W	TIIB	139-90
SN5493J	FSC	160-63	SN7441AJ	TIIB	141-12	SN10113N	TIIB	131-6	SN17910	TIIB	86-41	SN74156W	TIIB	139-91
SN6400N	TIIB	111-12	SN7441AN	NSC	141-13	SN10117J	TIIB	81-38	SN17911	TIIB	92-19	SN74160W	TIIB	154-7
SN6401AN	TIIB	111-13	SN7441N	NSC	141-14	SN10117N	TIIB	81-39	SN17921	TIIB	134-1	SN74161W	TIIB	158-95
SN6401N	TIIB	111-14	SN7442W	TIIB	141-15	SN10118J	TIIB	81-8	SN54104J	FSC	49-35	SN74163W	TIIB	158-96
SN6402N	TIIB	88-67	SN7443W	TIIB	144-27	SN10118N	TIIB	81-9	SN54104N	TIIB	49-36	SN74190W	FSC	155-61
SN6403N	TIIB	111-15	SN7444W	TIIB	144-61	SN10119N	TIIB	81-10	SN54105J	FSC	49-38	SN74191W	FSC	160-89
SN6410N	TIIB	111-16	SN7445	TIIB	144-86	SN10119N	TIIB	81-11	SN54105N	TIIB	49-39	SN74192W	TIIB	154-29
SN6420N	TIIB	111-17	SN7445W	TIIB	141-16	SN10121J	TIIB	81-40	SN54105W	FSC	49-40	SN74193W	TIIB	159-18
SN6430N	TIIB	111-18	SN7446	TIIB	144-87	SN10121N	TIIB	81-41	SN54107N	FSC	42-33	SN74196W	TIIB	155-59
SN6440N	TIIB	111-19	SN7446W	TIIB	142-73	SN10131J	TIIB	62-7	SN54109N	TIIB	41-21	SN74197W	TIIB	160-87
SN6442N	TIIB	142-12	SN7447	TIIB	144-88	SN10131N	TIIB	62-8	SN54110N	TIIB	42-34	SN74221W	TIIB	151-50
SN6443N	TIIB	144-43	SN7447W	TIIB	142-74	SN10135J	TIIB	38-13	SN54111N	TIIB	42-35	SN74246W	TIIB	143-41
SN6444N	TIIB	144-67	SN7448	TIIB	144-89	SN10135N	TIIB	38-14	SN54121N	FSC	151-46	SN74247W	TIIB	143-42
SN6450N	TIIB	73-86	SN7448W	TIIB	142-75	SN10136J	TIIB	163-56	SN54121N	NSC	TIIB	SN74248W	TIIB	143-43
SN6451N	TIIB	73-87	SN7449	TIIB	144-90	SN10136N	TIIB	163-57	SN54122N	TIIB	147-51	SN74249W	TIIB	143-44
SN6453N	TIIB	73-88	SN7449W	TIIB	142-74	SN10137J	TIIB	161-63	SN54123N	FSC	147-52	SN74376N	none	46-60
SN6454N	TIIB	73-89	SN7450	TIIB	90-27	SN10137N	TIIB	161-64	SN54128N	TIIB	88-74	SN74677W	none	174-51
SN6460N	TIIB	136-2	SN7450W	TIIB	90-28	SN10161AJ	TIIB	142-91	SN54145N	TIIB	141-17	SN74930	TIIB	106-98
SN6470N	TIIB	49-103	SN7451W	TIIB	90-29	SN10161AN	TIIB	142-92	SN54154N	FSC	140-32	SN74932	TIIB	118-29
SN6472N	TIIB	49-80	SN7453W	TIIB	90-30	SN10162J	TIIB	140-12	SN54155N	FSC	140-33	SN74946	TIIB	106-99
SN6473N	TIIB	41-73	SN7454W	TIIB	90-31	SN10162N	TIIB	140-13	SN54156N	FSC	140-34	SN74948	TIIB	41-77
SN6474N	TIIB	62-101	SN7460	TIIB	136-3	SN10162N	TIIB	140-13	SN54156N	FSC	140-34	SN74948N	TIIB	41-78
SN6476N	TIIB	41-74	SN7460W	TIIB	136-4	SN10171J	TIIB	140-14	SN54160N	FSC	154-4	SN74962	TIIB	106-100
SN6486N	TIIB	130-23	SN7470	TIIB	49-104	SN10171N	TIIB	140-15	SN54161N	FSC	154-5	SN74965	TIIB	114-27
SN6490N	TIIB	155-45	SN7470W	TIIB	49-105	SN10172J	TIIB	140-16	SN54162N	TIIB	158-92	SN74966	TIIB	90-72
SN6492N	TIIB	160-64	SN7472W	TIIB	49-87	SN10172N	TIIB	140-17	SN54163N	TIIB	158-93	SND1	CLC	140-53
SN6493N	TIIB	160-65	SN7473W	FSC	42-32	SN10302J	TIIB	38-15	SN54190N	FSC	154-6	SNF30J	TIIB	57-30
SN7000	TIIB	82-37	SN7474W	TIIB	62-102	SN10302N	TIIB	38-16	SN54191N	FSC	158-94	SNF30W	TIIB	57-31
SN7001	TIIB	82-38	SN7486W	FSC	130-24	SN15301J	TIIB	103-59	SN54192N	FSC	154-28	SNF31J	TIIB	57-32
SN7300	TIIB	36-81	SN7486W	TIIB	130-24	SN15301N	TIIB	103-60	SN54196N	FSC	159-17	SNF31W	TIIB	57-33
SN7301	TIIB	36-82	SN7490	TIIB	155-46	SN15302J	TIIB	103-61	SN54197N	FSC	159-44	SNF32J	TIIB	57-34
SN7301N	TIIB	47-25	SN7490A	TIIB	155-23	SN15302N	TIIB	103-62	SN54221N	TIIB	151-49	SNF32W	TIIB	57-35
SN7302	TIIB	36-83	SN7490AW	TIIB	155-23	SN15303J	TIIB	103-63	SN54246N	TIIB	143-37	SNF33J	TIIB	57-36
SN7302N	TIIB	47-26	SN7490W	TIIB	155-47	SN15303N	TIIB	103-64	SN54247N	TIIB	143-38	SNF33W	TIIB	57-37
SN7304	TIIB	36-84	SN7490N#	NSC	153-82	SN15303N	TIIB	103-64	SN54248N	TIIB	143-39	SNF50J	TIIB	45-36
SN7304N	TIIB	36-88	SN7492	TIIB	160-66	SN15312J	TIIB	37-80	SN54248N	TIIB	143-39	SNF50W	TIIB	45-37
SN7310	TIIB	123-62	SN7492A	TIIB	160-67	SN15312N	TIIB	37-81	SN54249N	TIIB	143-40	SNF51J	TIIB	45-38
SN7311	TIIB	123-63	SN7492AW	TIIB	160-67	SN15321J	TIIB	103-65	SN54930	TIIB	114-28	SNF51W	TIIB	45-39
SN7311N	TIIB	128-44	SN7493AW	TIIB	160-69	SN15321N	TIIB	103-66				SNF52J	TIIB	45-40
SN7315	TIIB	123-64	SN7493N#	NSC	158-73									
SN7320	TIIB	133-60	SN7493N#	NSC	158-73									
SN7320N	TIIB	136-56	SN7493N#	NSC	158-73									
SN7330	TIIB	123-65	SN7493N#	NSC	158-73									
SN7331	TIIB	123-66	SN7493N#	NSC	158-73									
SN7331N	TIIB	123-67	SN7493N#	NSC	158-73									
SN7360	TIIB	123-67	SN7493N#	NSC	158-73									
SN7370	TIIB	129-10	SN7493N#	NSC	158-73									
SN7380	TIIB	149-22	SN7493N#	NSC	158-73									
SN7400	TIIB	111-20	SN7493N#	NSC	158-73									
SN7400P	TIIB	106-95	SN7493N#	NSC	158-73									
SN7400W	TIIB	124-107	SN7493N#	NSC	158-73									
SN7401	TIIB	111-21	SN7493N#	NSC	158-73									
SN7401W	TIIB	111-22	SN7493N#	NSC	158-73									
SN7402	TIIB	88-68	SN7493N#	NSC	158-73									
SN7402W	TIIB	88-69	SN7493N#	NSC	158-73									
SN7408W	FSC	124-108	SN7493N#	NSC	158-73									
SN7409S	FSC	124-109	SN7493N#	NSC	158-73									

DIGITAL

1. TYPE No. CROSS INDEX

DIGITAL

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
SNF52W	TIH	45-41	SNF213W	TIH	51-19	SNG120J	TIH	126-88	SNG200W	TIH	128-13	SNG271J	TIH	135-22
SNF53J	TIH	45-42	SNG40J	TIH	126-72	SNG120W	TIH	126-89	SNG201J	TIH	128-14	SNG271W	TIH	135-23
SNF53W	TIH	45-43	SNG40W	TIH	126-73	SNG121J	TIH	126-90	SNG201W	TIH	128-15	SNG272J	TIH	135-24
SNF60J	TIH	50-24	SNG41J	TIH	126-74	SNG121W	TIH	126-91	SNG202J	TIH	128-16	SNG272W	TIH	135-25
SNF60W	TIH	50-25	SNG41W	TIH	126-75	SNG122J	TIH	126-92	SNG202W	TIH	128-17	SNG273J	TIH	135-26
SNF61J	TIH	50-26	SNG42J	TIH	126-76	SNG122W	TIH	126-93	SNG203J	TIH	128-18	SNG273W	TIH	135-27
SNF61W	TIH	50-27	SNG42W	TIH	126-77	SNG123J	TIH	126-94	SNG203W	TIH	128-19	SNG280J	TIH	71-83
SNF62J	TIH	50-28	SNG43J	TIH	126-78	SNG123W	TIH	126-95	SNG210J	TIH	75-88	SNG280W	TIH	71-84
SNF62W	TIH	50-29	SNG43W	TIH	126-79	SNG130J	TIH	126-96	SNG210W	TIH	75-89	SNG281J	TIH	71-85
SNF63J	TIH	50-30	SNG50J	TIH	79-85	SNG130W	TIH	126-97	SNG211J	TIH	75-90	SNG281W	TIH	71-86
SNF63W	TIH	50-31	SNG50W	TIH	79-86	SNG131J	TIH	126-98	SNG211W	TIH	75-91	SNG282J	TIH	71-87
SNF100J	TIH	45-58	SNG51J	TIH	79-87	SNG131W	TIH	126-99	SNG212J	TIH	75-92	SNG282W	TIH	71-88
SNF100W	TIH	45-59	SNG51W	TIH	79-88	SNG132J	TIH	126-100	SNG212W	TIH	75-93	SNG283J	TIH	71-89
SNF101J	TIH	45-60	SNG52J	TIH	79-89	SNG132W	TIH	126-101	SNG213J	TIH	75-94	SNG283W	TIH	71-90
SNF101W	TIH	45-61	SNG52W	TIH	79-90	SNG133J	TIH	126-102	SNG213W	TIH	75-95	SNG290J	TIH	136-80
SNF102J	TIH	45-62	SNG53J	TIH	79-91	SNG133W	TIH	126-103	SNG220J	TIH	127-72	SNG290W	TIH	136-81
SNF102W	TIH	45-63	SNG53W	TIH	79-92	SNG140J	TIH	126-104	SNG220W	TIH	127-73	SNG291J	TIH	136-82
SNF103J	TIH	45-64	SNG60J	TIH	126-80	SNG140W	TIH	126-105	SNG221J	TIH	127-74	SNG291W	TIH	136-83
SNF103W	TIH	45-65	SNG60W	TIH	126-81	SNG141J	TIH	126-106	SNG221W	TIH	127-75	SNG292J	TIH	136-84
SNF110J	TIH	45-66	SNG61J	TIH	126-82	SNG141W	TIH	126-107	SNG222J	TIH	127-76	SNG292W	TIH	136-85
SNF110W	TIH	45-67	SNG61W	TIH	126-83	SNG142J	TIH	126-108	SNG222W	TIH	127-77	SNG293J	TIH	136-86
SNF111J	TIH	45-68	SNG62J	TIH	126-84	SNG142W	TIH	126-109	SNG223J	TIH	127-78	SNG293W	TIH	136-87
SNF111W	TIH	45-69	SNG62W	TIH	126-85	SNG143J	TIH	126-110	SNG223W	TIH	127-79	SNG300J	TIH	75-104
SNF112J	TIH	45-70	SNG63J	TIH	126-86	SNG143W	TIH	127-1	SNG230J	TIH	138-23	SNG300W	TIH	75-105
SNF112W	TIH	45-71	SNG63W	TIH	126-87	SNG150J	TIH	137-36	SNG230W	TIH	138-24	SNG301J	TIH	75-106
SNF113J	TIH	45-72	SNG70J	TIH	75-38	SNG150W	TIH	137-37	SNG231J	TIH	138-25	SNG301W	TIH	75-107
SNF113W	TIH	45-73	SNG70W	TIH	75-39	SNG151J	TIH	137-38	SNG231W	TIH	138-26	SNG302J	TIH	75-108
SNF120J	TIH	45-78	SNG71J	TIH	75-40	SNG151W	TIH	137-39	SNG232J	TIH	138-27	SNG302W	TIH	75-109
SNF120W	TIH	45-79	SNG71W	TIH	75-41	SNG152J	TIH	137-40	SNG232W	TIH	138-28	SNG303J	TIH	75-110
SNF121J	TIH	45-80	SNG72J	TIH	75-42	SNG152W	TIH	137-41	SNG233J	TIH	138-29	SNG303W	TIH	76-1
SNF122J	TIH	45-81	SNG72W	TIH	75-43	SNG153J	TIH	137-42	SNG233W	TIH	138-30	SNG310J	TIH	76-2
SNF122W	TIH	45-82	SNG73J	TIH	75-44	SNG153W	TIH	137-43	SNG240J	TIH	127-80	SNG310W	TIH	76-3
SNF123J	TIH	45-83	SNG73W	TIH	75-45	SNG170J	TIH	137-44	SNG240W	TIH	127-81	SNG311J	TIH	76-4
SNF123W	TIH	45-84	SNG90J	TIH	130-84	SNG170W	TIH	137-45	SNG241J	TIH	127-82	SNG311W	TIH	76-5
SNF130J	TIH	45-85	SNG90W	TIH	130-85	SNG171J	TIH	137-46	SNG241W	TIH	127-83	SNG312J	TIH	76-6
SNF130W	TIH	45-86	SNG91J	TIH	130-86	SNG171W	TIH	137-47	SNG242J	TIH	127-84	SNG312W	TIH	76-7
SNF131J	TIH	45-87	SNG91W	TIH	130-87	SNG172J	TIH	137-48	SNG242W	TIH	127-85	SNG313J	TIH	76-8
SNF131W	TIH	45-88	SNG92J	TIH	130-88	SNG172W	TIH	137-49	SNG243J	TIH	127-86	SNG313W	TIH	76-9
SNF132J	TIH	45-89	SNG92W	TIH	130-89	SNG173J	TIH	137-50	SNG243W	TIH	127-87	SNG320J	TIH	105-93
SNF132W	TIH	45-90	SNG93J	TIH	130-90	SNG173W	TIH	137-51	SNG250J	TIH	75-96	SNG320W	TIH	105-94
SNF133J	TIH	45-91	SNG93W	TIH	130-91	SNG180J	TIH	137-52	SNG250W	TIH	75-97	SNG321J	TIH	105-95
SNF133W	TIH	45-92	SNG100J	TIH	79-93	SNG180W	TIH	137-53	SNG251J	TIH	75-98	SNG321W	TIH	105-96
SNF200J	TIH	51-4	SNG100W	TIH	79-94	SNG181J	TIH	137-54	SNG251W	TIH	75-99	SNG322J	TIH	105-97
SNF200W	TIH	51-5	SNG101J	TIH	79-95	SNG181W	TIH	137-55	SNG252J	TIH	75-100	SNG322W	TIH	105-98
SNF201J	TIH	51-6	SNG101W	TIH	79-96	SNG182J	TIH	137-56	SNG252W	TIH	75-101	SNG323J	TIH	105-99
SNF201W	TIH	51-7	SNG102J	TIH	79-97	SNG182W	TIH	137-57	SNG253J	TIH	75-102	SNG323W	TIH	105-100
SNF202J	TIH	51-8	SNG102W	TIH	79-98	SNG183J	TIH	137-58	SNG253W	TIH	75-103	SNR510	TIH	56-74
SNF202W	TIH	51-9	SNG103J	TIH	79-99	SNG183W	TIH	137-59	SNG260J	TIH	127-88	SNR511	TIH	58-93
SNF203J	TIH	51-10	SNG103W	TIH	79-100	SNG190J	TIH	127-2	SNG260W	TIH	127-89	SNR512	TIH	123-110
SNF203W	TIH	51-11	SNG110J	TIH	79-101	SNG190W	TIH	127-3	SNG261J	TIH	127-90	SNR513	TIH	118-24
SNF210J	TIH	51-12	SNG110W	TIH	79-102	SNG191J	TIH	127-4	SNG261W	TIH	127-91	SNR514	TIH	124-1
SNF210W	TIH	51-13	SNG111J	TIH	79-103	SNG191W	TIH	127-5	SNG262J	TIH	127-92	SNR515	TIH	129-47
SNF211J	TIH	51-14	SNG111W	TIH	79-104	SNG192J	TIH	127-6	SNG262W	TIH	127-93	SNR516	TIH	118-9
SNF211W	TIH	51-15	SNG112J	TIH	79-105	SNG192W	TIH	127-7	SNG263J	TIH	127-94	SNR518	TIH	149-69
SNF212J	TIH	51-16	SNG112W	TIH	79-106	SNG193J	TIH	127-8	SNG263W	TIH	127-95	SNR5101	TIH	56-69
SNF212W	TIH	51-17	SNG113J	TIH	79-107	SNG193W	TIH	127-9	SNG270J	TIH	135-20	SNR5111	TIH	57-100
SNF213J	TIH	51-18	SNG113W	TIH	79-108	SNG200J	TIH	128-12	SNG270W	TIH	135-21	SNR5161	TIH	104-93

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
SNR5162	TI	118-17	SP562B	PLSB	133-95	ST616A	SIC	97-109	SW744-1F	SWM	98-3	SW944-2F	SWM	99-5
	TIIB		SP563B	PLSB	133-96		SPR		SW744-1P	SWM	98-4	SW944-2F	SWM	119-18
SNR5191	TI	129-45	SP564B	PLSB	133-97	ST620A	SIC	47-99	SW744-2F	SWM	98-5	SW944-2M	SWM	119-19
	TIIB		SP565B	PLSB	133-98		SPR		SW744-2M	SWM	98-6	SW944-2P	SWM	119-20
SOS1	CLC	151-39	SP573B	PLSB	76-61	ST629A	SIC	55-77	SW744-2P	SWM	98-7	SW944-2S	SWM	119-21
SOS21	CLC	151-38	SP574B	PLSB	76-62		SPR		SW751-1F	SWM	146-67	SW944-2T	SWM	119-22
SP30	HIS	140-80	SP634B	PLSB	153-23	ST631A	SIC	132-92	SW751-1P	SWM	146-68	SW945-1F	SWM	54-52
SP202A	PLSB	59-8	SP635B	PLSB	153-22		SPR		SW751-1T	SWM	146-69	SW945-1D	SWM	54-53
SP202B	PLSB	59-9	SP636B	PLSB	153-21	ST659A	SIC	118-78	SW751-2F	SWM	146-90	SW945-1P	SWM	54-54
SP203A	PLSB	61-23	SP637B	PLSB	153-20		SPR		SW751-2M	SWM	146-91	SW945-1S	SWM	54-55
SP203B	PLSB	61-24	SP806A	SPR	134-55	ST670A	SIC	98-1	SW751-2P	SWM	146-92	SW945-1T	SWM	54-56
SP204A	PLSB	59-10	SP808A	SPR	111-34		SPR		SW751-2T	SWM	146-93	SW945-2D	SWM	54-57
SP204B	PLSB	59-11	SP816A	SPR	111-35	ST680A	SIC	98-2	SW770-1F	SWM	76-39	SW945-2F	SWM	54-58
SP209A	PLSB	60-19	SP825A	SPR	48-4		SPR		SW770-1P	SWM	76-40	SW945-2M	SWM	54-59
SP209B	PLSB	60-12	SP826A	SPR	47-104	ST806A	SPR	134-56	SW770-2F	SWM	76-47	SW945-2P	SWM	54-60
SP212A	PLSB	60-13	SP840A	SPR	89-98	ST808A	SPR	111-41	SW770-2M	SWM	76-48	SW945-2S	SWM	54-61
SP212B	PLSB	60-14	SP855A	SPR	111-36	ST816A	SPR	111-42	SW770-2P	SWM	76-49	SW945-2T	SWM	54-62
SP214A	PLSB	94-75	SP870A	SPR	111-37	ST825A	SPR	48-5	SW771-1F	SWM	76-41	SW945/948F	SWM	58-61
SP214B	PLSB	94-76	SP880A	SPR	111-38	ST826A	SPR	47-105	SW771-1P	SWM	76-42	SW945/948S	SWM	58-62
SP218A	PLSB	94-77	SP1002	PLSB	81-71	ST840A	SPR	89-100	SW771-2F	SWM	76-50	SW946-1D	SWM	99-6
SP218B	PLSB	94-78	SP1003	PLSB	81-72	ST855A	SPR	111-43	SW771-2M	SWM	76-51	SW946-1F	SWM	119-23
SP222A	PLSB	94-79	SP1005	PLSB	81-73	ST870A	SPR	111-44	SW771-2P	SWM	76-52	SW946-1P	SWM	119-24
SP222B	PLSB	94-80	SP1006	PLSB	81-74	ST880A	SPR	111-45	SW772-1F	SWM	52-20	SW946-1S	SWM	119-25
SP223A	PLSB	94-81	SP1008	PLSB	85-87	SU300G	SIC	132-93	SW772-2F	SWM	52-27	SW946-2D	SWM	99-7
SP223B	PLSB	94-82	SP1009	PLSB	85-88	SU300K	SIC	132-94	SW773-1F	SWM	52-21	SW946-2F	SWM	119-26
SP228A	PLSB	134-18	SP1011	PLSB	85-89		SPR		SW773-1P	SWM	52-22	SW946-2M	SWM	119-27
SP228B	PLSB	134-19		SELB		SU305G	SIC	66-75	SW773-2F	SWM	52-28	SW946-2P	SWM	119-28
SP244A	PLSB	95-36	SP1012	PLSB	85-90	SU305K	SIC	66-76	SW773-2M	SWM	52-29	SW946-2S	SWM	119-29
SP244B	PLSB	95-37	SP1047	PLSB	67-38		SPR		SW773-2P	SWM	52-30	SW948-1D	SWM	54-66
SP245A	PLSB	129-83	SP1062	PLSB	85-91	SU306G	SIC	66-77	SW774-1F	SWM	76-92	SW948-1F	SWM	54-67
SP245B	PLSB	129-84	SP1063	PLSB	85-92	SU306K	SIC	66-78	SW774-1P	SWM	76-93	SW948-1P	SWM	54-63
SP249A	PLSB	134-20	SP1202	PLSB	81-75		SPR		SW774-2F	SWM	76-96	SW948-1S	SWM	54-68
SP249B	PLSB	134-21	SP1203	PLSB	81-76	SU314G	SIC	85-28	SW774-2M	SWM	76-97	SW948-1T	SWM	54-69
SP252A	PLSB	59-12	SP1205	PLSB	81-77	SU314K	SIC	85-29	SW774-2P	SWM	76-98	SW948-2D	SWM	54-70
SP252B	PLSB	59-13	SP1206	PLSB	81-78		SPR		SW775-1F	SWM	76-99	SW948-2F	SWM	54-71
SP253A	PLSB	61-25	SP1208	PLSB	85-93	SU315G	SIC	85-30	SW775-1P	SWM	76-95	SW948-2M	SWM	54-64
SP254A	PLSB	59-14	SP1209	PLSB	85-94	SU315K	SIC	85-31	SW775-2F	SWM	76-99	SW948-2P	SWM	54-65
SP254B	PLSB	59-15	SP1211	PLSB	85-95		SPR		SW775-2M	SWM	76-100	SW948-2S	SWM	54-72
SP259A	PLSB	60-15	SP1212	PLSB	85-96	SU316G	SIC	85-32	SW775-2P	SWM	76-101	SW948-2T	SWM	54-73
SP259B	PLSB	60-16	SP1247	PLSB	67-39	SU316K	SIC	85-33	SW776-1F	SWM	80-104	SW949-1D	SWM	99-8
SP262A	PLSB	60-17	SP1262	PLSB	85-97		SPR		SW776-1P	SWM	70-110	SW949-1F	SWM	119-30
SP262B	PLSB	60-18	SP1263	PLSB	85-98	SU320G	SIC	37-45	SW776-2F	SWM	80-107	SW949-1P	SWM	119-31
SP264A	PLSB	94-83	SP1660AS	PLSB	82-21	SU320K	SIC	37-46	SW776-2M	SWM	71-1	SW949-1S	SWM	119-32
SP264B	PLSB	94-84	SP1660BE	PLSB	82-15		SPR		SW776-2P	SWM	71-2	SW949-2D	SWM	99-9
SP268A	PLSB	94-85	SP1660BS	PLSB	82-22	SU331G	SIC	78-1	SW777-1F	SWM	80-105	SW949-2F	SWM	119-33
SP268B	PLSB	94-86	SP1661AS	PLSB	80-101	SU331K	SIC	78-2	SW777-1P	SWM	80-106	SW949-2M	SWM	119-34
SP272A	PLSB	94-87	SP1661BE	PLSB	82-16		SPR		SW777-2F	SWM	80-108	SW949-2P	SWM	119-35
SP272B	PLSB	94-88	SP1661BS	PLSB	82-23	SU332G	SIC	78-3	SW777-2M	SWM	71-3	SW949-2S	SWM	119-36
SP273A	PLSB	94-89	SP1662AS	PLSB	86-33	SU332K	SIC	78-4	SW777-2P	SWM	71-4	SW950-1D	SWM	52-5
SP273B	PLSB	94-90	SP1662BE	PLSB	86-31		SPR		SW777-1F	SWM	76-43	SW950-1F	SWM	52-6
SP278A	PLSB	134-22	SP1662BS	PLSB	86-34	SUF1	CLC	51-36	SW778-1F	SWM	76-44	SW950-1P	SWM	52-13
SP278B	PLSB	134-23	SP1663AS	PLSB	86-35	SUF3	CLC	51-37	SW778-2F	SWM	76-53	SW950-1S	SWM	52-7
SP294A	PLSB	95-38	SP1663BS	PLSB	86-36	SUF21	CLC	51-34	SW778-2M	SWM	76-54	SW950-1T	SWM	52-8
SP294B	PLSB	95-39	SP1663BS	PLSB	86-36	SUF23	CLC	51-35	SW778-2P	SWM	76-55	SW950-2D	SWM	52-9
SP295A	PLSB	129-85	SP1664AS	PLSB	78-56	SW301G	SWM	82-72	SW779-1F	SWM	76-45	SW950-2F	SWM	52-10
SP295B	PLSB	129-86	SP1664BS	PLSB	78-54	SW302G	SWM	53-41	SW779-1P	SWM	76-46	SW950-2M	SWM	52-14
SP299A	PLSB	134-24	SP1664BS	PLSB	78-57	SW305G	SWM	133-106	SW779-2F	SWM	76-56	SW950-2P	SWM	52-15
SP299B	PLSB	134-25	SP1665AS	PLSB	78-58	SW306G	SWM	82-73	SW779-2M	SWM	76-57	SW950-2S	SWM	52-11
SP302B	PLSB	59-16	SP1665BS	PLSB	78-55	SW307G	SWM	82-74	SW779-2P	SWM	76-58	SW950-2T	SWM	52-12
SP314A#	PLSB	94-93	SP1665BS	PLSB	78-59	SW308G	SWM	48-103	SW838F	SWM	152-95	SW951-1D	SWM	148-19
SP314B	PLSB	94-94	SP1670AS	PLSB	62-11	SW309G	SWM	93-37	SW838P	SWM	152-96	SW951-1F	SWM	148-21
SP322A	PLSB	94-95	SP1670BE	PLSB	62-9	SW310G	SWM	93-38	SW839F	SWM	157-59	SW951-1P	SWM	148-22
SP322A#	SIC	34-81	SP1670BS	PLSB	62-12	SW311G	SWM	93-39	SW839P	SWM	157-60	SW951-1S	SWM	148-23
SP323A	PLSB	94-96	SP1671AS	PLSB	62-13	SW351G	SWM	82-75	SW930-1D	SWM	98-110	SW951-1T	SWM	148-24
SP323B	PLSB	94-97	SP1671BS	PLSB	62-10	SW352A-G	SWM	53-42	SW930-1F	SWM	118-106	SW951-2D	SWM	148-20
SP328B	PLSB	134-34	SP1671BS	PLSB	62-14	SW355G	SWM	133-107	SW930-1P	SWM	118-107	SW951-2F	SWM	148-25
SP329A	PLSB	134-35	SP10101L	PLSB	82-3	SW356G	SWM	82-76	SW930-1S	SWM	118-108	SW951-2M	SWM	148-26
SP329B	PLSB	134-36	SP10102L	PLSB	86-22	SW357G	SWM	82-77	SW930-1T	SWM	118-109	SW951-2P	SWM	148-27
SP344A	PLSB	95-40	SP10105L	PLSB	82-4	SW358A-G	SWM	48-104	SW930-2D	SWM	99-1	SW951-2S	SWM	148-28
SP344B	PLSB	95-41	SP10109L	PLSB	82-5	SW359G	SWM	93-40	SW930-2F	SWM	118-110	SW951-2T	SWM	148-29
SP352B	PLSB	59-17	SP10110L	PLSB	78-49	SW360G	SWM	93-41	SW930-2M	SWM	119-1	SW957-1F	SWM	99-10
SP364A	PLSB	94-98	SP10117L	PLSB	81-5	SW361G	SWM	93-42	SW930-2P	SWM	119-2	SW957-1P	SWM	99-11
SP364B	PLSB	94-99	SP10118L	PLSB	81-6	SW705-1F	SWM	35-91	SW930-2S	SWM	119-3	SW957-2F	SWM	99-12
SP372A	PLSB	94-100	SP10119L	PLSB	81-7	SW705-1P	SWM	35-92	SW930-2T	SWM	119-4	SW957-2M	SWM	99-13
SP372B	PLSB	94-101	SP10130L	PLSB	61-103	SW705-2F	SWM	35-93	SW931F	SWM	58-59	SW957-2P	SWM	99-14
SP373A	PLSB	94-102	SP10131L	PLSB	61-106	SW705-2M	SWM	35-94	SW931S	SWM	58-60	SW957-1F	SWM	99-15
SP373B	PLSB	94-103	SPQ918	SGAI	33-4	SW705-2P	SWM	35-95	SW932-1D	SWM	99-2			

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

DIGITAL

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
SW1001M	SWM	82-93	SW1802P	SWM	99-81	SW7444N	SWM	145-6	SWF32S	SWM	57-2	T54S78J	TEC	44-2
SW1001P	SWM	82-94	SW1804M	SWM	102-12	SW7445J	SWM	142-16	SWF33F	SWM	57-3	T54S86F	TEC	130-29
SW1002F	SWM	82-95	SW1805F	SWM	99-82	SW7445N	SWM	142-17	SWF33S	SWM	57-4	T54S86J	TEC	130-30
SW1002M	SWM	82-96	SW1805M	SWM	99-83	SW7446AJ	SWM	143-106	SWF50	SWM	51-24	T54S103J	TEC	44-18
SW1002P	SWM	82-97	SW1805P	SWM	99-84	SW7446AN	SWM	143-107	SWF51	SWM	51-25	T54S106J	TEC	44-19
SW1003F	SWM	82-98	SW1806F	SWM	66-70	SW7446J	SWM	143-108	SWF52	SWM	51-26	T54S107AJ	TEC	44-20
SW1003M	SWM	82-99	SW1806M	SWM	66-71	SW7446N	SWM	143-109	SWF53	SWM	51-27	T54S107J	TEC	44-3
SW1003P	SWM	82-100	SW1806P	SWM	66-72	SW7447AJ	SWM	143-110	SWF60	SWM	51-28	T54S108J	TEC	44-21
SW1004F	SWM	82-101	SW1808F	SWM	77-103	SW7447AN	SWM	144-1	SWF61	SWM	51-29	T54S136F	TEC	130-31
SW1004M	SWM	82-102	SW1808M	SWM	77-104	SW7447J	SWM	144-2	SWF62	SWM	51-30	T54S136J	TEC	130-32
SW1004P	SWM	82-103	SW1808P	SWM	77-105	SW7447N	SWM	144-3	SWF63	SWM	51-31	T54S138F	TEC	143-24
SW1005F	SWM	82-104	SW1810F	SWM	85-21	SW7448J	SWM	144-4	SWF250	SWM	47-17	T54S138J	TEC	143-25
SW1005M	SWM	82-105	SW1810M	SWM	85-22	SW7448N	SWM	144-5	SWF251	SWM	47-18	T54S139F	TEC	143-26
SW1005P	SWM	82-106	SW1810P	SWM	85-23	SW7449S	SWM	142-78	SWF252	SWM	47-19	T54S139J	TEC	143-27
SW1006F	SWM	82-107	SW1812F	SWM	128-100	SW7450H	SWM	90-36	SWF253	SWM	47-20	T74H00B1	SGAI	111-88
SW1006M	SWM	82-108	SW1812M	SWM	128-101	SW7450J	SWM	73-90	SWF260	SWM	47-21	T74H00D1	SGAI	111-89
SW1006P	SWM	82-109	SW1812P	SWM	128-102	SW7450N	SWM	73-91	SWF261	SWM	47-22	T74H00D2	SGAI	111-90
SW1007F	SWM	93-51	SW1814F	SWM	61-74	SW7451H	SWM	90-37	SWF262	SWM	47-23	T74H10B1	SGAI	111-91
SW1007M	SWM	93-52	SW1900F	SWM	99-26	SW7451J	SWM	73-92	SWF263	SWM	47-24	T74H10D1	SGAI	111-92
SW1007P	SWM	93-53	SW1900P	SWM	99-27	SW7451N	SWM	73-93	SWG40	SWM	128-20	T74H10D2	SGAI	111-93
SW1008F	SWM	93-54	SW1902F	SWM	99-28	SW7453H	SWM	90-38	SWG41	SWM	128-21	T74H11B1	SGAI	69-69
SW1008M	SWM	93-55	SW1902M	SWM	99-29	SW7453J	SWM	73-94	SWG42	SWM	128-22	T74H11D1	SGAI	69-70
SW1008P	SWM	93-56	SW1904P	SWM	102-13	SW7453N	SWM	73-95	SWG43	SWM	128-23	T74H11D2	SGAI	69-71
SW1009F	SWM	93-57	SW1905F	SWM	99-30	SW7454H	SWM	90-39	SWG50	SWM	91-15	T74H20B1	SGAI	111-94
SW1009M	SWM	93-58	SW1905M	SWM	99-31	SW7454J	SWM	73-96	SWG51	SWM	91-16	T74H20D1	SGAI	111-95
SW1009P	SWM	93-59	SW1906F	SWM	66-68	SW7454N	SWM	73-97	SWG52	SWM	91-17	T74H20D2	SGAI	111-96
SW1010F	SWM	93-60	SW1906P	SWM	66-69	SW7460H	SWM	136-7	SWG53	SWM	91-18	T74H21B1	SGAI	69-72
SW1010M	SWM	93-61	SW1908F	SWM	77-101	SW7460J	SWM	136-8	SWG60	SWM	128-24	T74H21D1	SGAI	69-73
SW1010P	SWM	93-62	SW1908P	SWM	77-102	SW7460N	SWM	136-9	SWG61	SWM	128-25	T74H21D2	SGAI	69-74
SW1011F	SWM	93-63	SW1910F	SWM	85-19	SW7472H	SWM	41-81	SWG62	SWM	128-26	T74H40B1	SGAI	111-97
SW1011M	SWM	93-64	SW1910M	SWM	85-20	SW7472J	SWM	41-82	SWG63	SWM	128-27	T74H40D1	SGAI	111-98
SW1011P	SWM	93-65	SW1912F	SWM	128-98	SW7472N	SWM	41-83	SWG90	SWM	131-34	T74H40D2	SGAI	111-99
SW1012F	SWM	93-66	SW1912P	SWM	128-99	SW7473J	SWM	41-24	SWG91	SWM	131-35	T74H50B1	SGAI	73-98
SW1012M	SWM	93-67	SW1914F	SWM	61-72	SW7473N	SWM	41-25	SWG92	SWM	131-36	T74H50D1	SGAI	73-99
SW1012P	SWM	93-68	SW1914P	SWM	61-73	SW7474H	SWM	62-104	SWG93	SWM	131-37	T74H50D2	SGAI	73-100
SW1013F	SWM	38-2	SW4001A	SWM	83-89	SW7474J	SWM	62-105	SWG100	SWM	91-19	T74H51B1	SGAI	73-101
SW1013M	SWM	38-3	SW4002A	SWM	83-90	SW7474N	SWM	62-106	SWG101	SWM	91-20	T74H51D1	SGAI	73-102
SW1013P	SWM	38-4	SW4011A	SWM	96-23	SW7476H	SWM	41-84	SWG102	SWM	91-21	T74H51D2	SGAI	73-103
SW1014F	SWM	53-47	SW4012A	SWM	96-24	SW7476N	SWM	41-85	SWG103	SWM	91-22	T74H52B1	SGAI	71-51
SW1014M	SWM	53-48	SW4013A	SWM	61-51	SW7477H	SWM	62-55	SWG110	SWM	91-23	T74H52D1	SGAI	71-52
SW1014P	SWM	53-49	SW4017A	SWM	156-61	SW7485J	SWM	170-8	SWG111	SWM	91-24	T74H52D2	SGAI	71-53
SW1015F	SWM	53-50	SW4019A	SWM	70-85	SW7485N	SWM	170-9	SWG112	SWM	91-25	T74H53B1	SGAI	73-104
SW1015M	SWM	53-51	SW4020A	SWM	156-62	SW7486H	SWM	130-26	SWG113	SWM	91-26	T74H53D1	SGAI	73-105
SW1015P	SWM	53-52	SW4023A	SWM	96-25	SW7486J	SWM	130-27	SWG120	SWM	128-28	T74H53D2	SGAI	73-106
SW1016F	SWM	53-53	SW4024A	SWM	156-63	SW7486N	SWM	130-28	SWG121	SWM	128-29	T74H54B1	SGAI	73-107
SW1016M	SWM	53-54	SW4025A	SWM	83-91	SW7490H	SWM	155-49	SWG122	SWM	128-30	T74H54D1	SGAI	73-108
SW1016P	SWM	53-55	SW4027A	SWM	34-91	SW7490J	SWM	155-34	SWG123	SWM	128-31	T74H54D2	SGAI	73-109
SW1022F	SWM	61-88	SW4028A	SWM	141-45	SW7490N	SWM	155-35	SWG130	SWM	116-45	T74H61B1	SGAI	136-10
SW1022M	SWM	61-89	SW4029A	SWM	162-108	SW7492H	SWM	160-71	SWG131	SWM	116-46	T74H61D1	SGAI	136-11
SW1022P	SWM	61-90	SW4030A	SWM	128-63	SW7492J	SWM	160-43	SWG132	SWM	116-47	T74H61D2	SGAI	136-12
SW1024F	SWM	82-110	SW5400H	SWM	111-46	SW7492N	SWM	160-44	SWG133	SWM	116-48	T74H62B1	SGAI	136-13
SW1024M	SWM	83-1	SW5401H	SWM	111-47	SW7493H	SWM	158-68	SWG140	SWM	128-32	T74H62D1	SGAI	136-14
SW1024P	SWM	83-2	SW5402H	SWM	88-76	SW7493J	SWM	158-60	SWG141	SWM	128-33	T74H62D2	SGAI	136-15
SW1025F	SWM	138-53	SW5410H	SWM	111-48	SW7493N	SWM	158-61	SWG142	SWM	128-34	T74H71B1	SGAI	41-26
SW1025M	SWM	138-54	SW5420H	SWM	111-49	SW9600-1P	SWM	150-60	SWG143	SWM	128-35	T74H71D1	SGAI	41-27
SW1025P	SWM	138-55	SW5425H	SWM	88-77	SW9600-2M	SWM	149-99	SWG150	SWM	137-94	T74H71D2	SGAI	41-28
SW1030F	SWM	129-31	SW5430H	SWM	111-50	SW9600-2P	SWM	150-61	SWG151	SWM	137-95	T74H72B1	SGAI	41-29
SW1030M	SWM	129-32	SW5437H	SWM	111-51	SW9600M	SWM	150-62	SWG152	SWM	137-96	T74H72D1	SGAI	41-30
SW1030P	SWM	129-33	SW5438H	SWM	111-52	SW9601-1F	SWM	149-93	SWG153	SWM	137-97	T74H72D2	SGAI	41-31
SW1031F	SWM	131-13	SW5440H	SWM	111-53	SW9601-1M	SWM	149-94	SWG170	SWM	137-98	T74LS00F	TEC	111-100
SW1031M	SWM	131-14	SW5449S	SWM	142-77	SW9601-1P	SWM	149-95	SWG171	SWM	137-99	T74LS00J	TEC	111-101
SW1031P	SWM	131-15	SW5450H	SWM	90-32	SW9601-2F	SWM	149-103	SWG172	SWM	137-100	T74LS10F	TEC	111-102
SW1033F	SWM	53-56	SW5451H	SWM	90-33	SW9601-2M	SWM	149-104	SWG173	SWM	137-101	T74LS10J	TEC	111-103
SW1033M	SWM	53-57	SW5453H	SWM	90-34	SW9601-2P	SWM	149-105	SWG180	SWM	137-102	T74LS20F	TEC	111-104
SW1033P	SWM	53-58	SW5454H	SWM	90-35	SW9602-1F	SWM	149-96	SWG181	SWM	137-103	T74LS20J	TEC	111-105
SW1201F	SWM	83-8	SW5460H	SWM	136-5	SW9602-1P	SWM	149-97	SWG182	SWM	137-104	T74LS30F	TEC	111-106
SW1201P	SWM	83-9	SW5460J	SWM	136-6	SW9602-2P	SWM	149-108	SWG183	SWM	137-105	T74LS30J	TEC	111-107
SW1202F	SWM	83-5	SW5472H	SWM	41-79	SW54104H	SWM	49-43	SWG190	SWM	116-49	T74S73J	TEC	44-4
SW1202P	SWM	83-6	SW5473H	SWM	41-80	SW54105H	SWM	49-44	SWG191	SWM	116-50	T74S76J	TEC	44-5
SW1203F	SWM	83-7	SW5474H	SWM	62-103	SW74104J	SWM	49-45	SWG192	SWM	116-51	T74S78J	TEC	44-6
SW1203P	SWM	83-8	SW5486H	SWM	130-25	SW74104N	SWM	49-46	SWG193	SWM	116-52	T74S86F	TEC	130-33
SW1204F	SWM	83-9	SW5490H	SWM	155-48	SW74105J	SWM	49-47	SWG210	SWM	76-22	T74S86J	TEC	130-34
SW1204P	SWM	83-10	SW5492H	SWM	160-70	SW74105N	SWM	49-48	SWG211	SWM	76-23	T74S103J	TEC	44-22
SW1205F	SWM	83-11	SW5493H	SWM	158-67	SW74107J	SWM	42-37	SWG212	SWM	76-24	T74S106J	TEC	44-23
SW1205P	SWM	83-12	SW7400H	SWM	111-54	SW74107N	SWM	42-38	SWG213	SWM	76-25	T74S107AJ	TEC	44-24
SW1206F	SWM	83-13	SW7400J	SWM	111-55	SW74121J	SWM	151-48	SWG220	SWM	116-53	T74S107J	TEC	44-7
SW1206P	SWM	83-14	SW7400N	SWM	111-56	SW74121N	SWM	151-52	SWG221	SWM	116-54	T74S108J	TEC	44-25
SW1207F	SWM	93-69	SW7401H	SWM	111-57	SW74122J	SWM	147-44	SWG222	SWM	116-55	T74S136F	TEC	130-35
SW1207P	SWM	93-70	SW7401J	SWM	111-58	SW74122N	SWM	147-45	SWG223	SWM	116-56	T74S136J	TEC	130-36
SW1208F	SWM	93-71	SW7401N	SWM	111-59	SW74123J	SWM	147-46	SWG230	SWM	137-106	T74S138F	TEC	143-28
SW1208P	SWM	93-72	SW7402H	SWM	88-78	SW74123N	SWM	147-47	SWG231	SWM	137-107	T74S138J	TEC	143-29
SW1209F	SWM	93-73	SW7402J	SWM	88-79	SW74141J	SWM	142-18	SWG232	SWM	137-108	T74S139F	TEC	143-30
SW1209P	SW													

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
T103D2	SGAI	105-37	T166	EEC	146-106	T7433D2	SGAI	88-94	TF23F	TEC	59-32	TF263F	TEC	40-64
T103D2-16	SGAI	89-58	T167	EEC	146-30	T7440B1	SGAI	112-23	TF23J	TEC	59-33	TF263J	TEC	40-65
T103F1	SGAI	105-52	T167B1	SGAI	173-15	T7440D1	SGAI	112-24	TF50F	TEC	39-16	TF401	TEC	46-109
T103F2	SGAI	105-38	T167D1	SGAI	173-18	T7440D2	SGAI	112-25	TF50J	TEC	39-17	TF402	TEC	46-110
T104	EEC	164-65	T176B1	SGAI	39-78	T7441A1B1	SGAI	142-22	TF51F	TEC	39-18	TF403	TEC	47-1
T104B1	SGAI	105-53	T176D1	SGAI	39-79	T7441AD1	SGAI	142-23	TF51J	TEC	39-19	TF404	TEC	47-2
T104B1-16	SGAI	124-92	T176D2	SGAI	39-2	T7441AD2	SGAI	142-24	TF52F	TEC	40-16	TF411	TEC	47-3
T104D1	SGAI	105-54	T176F1	SGAI	39-80	T7442B1	SGAI	142-25	TF52J	TEC	40-17	TF412	TEC	47-4
T104D1-16	SGAI	124-93	T176F2	SGAI	39-3	T7442D1	SGAI	142-26	TF53F	TEC	40-18	TF413	TEC	47-5
T104D2	SGAI	105-39	T301A	EEC	60-96	T7442D2	SGAI	142-27	TF53J	TEC	40-19	TF414	TEC	47-6
T104D2-16	SGAI	124-28	T303	EEC	61-6	T7443B1	SGAI	144-46	TF54S74F	TEC	63-49	TF4000AJ	TIIB	83-95
T104F1	SGAI	105-55	T308	EEC	85-43	T7443D1	SGAI	144-47	TF54S74J	TEC	63-50		TIIB	
T104F2	SGAI	105-40	T309	EEC	70-81	T7443D2	SGAI	144-48	TF54S112F	TEC	44-40	TF4001AJ	TIIB	83-96
T105A	EEC	164-17	T310	EEC	78-80	T7444B1	SGAI	145-7	TF54S112J	TEC	44-41		TIIB	
T105B1	SGAI	72-43	T314	EEC	165-27	T7444D1	SGAI	145-8	TF54S113F	TEC	44-42	TF4001AN	TIIB	83-97
T105B1-16	SGAI	124-94	T315	EEC	85-44	T7444D2	SGAI	145-9	TF54S113J	TEC	44-43		TIIB	
T105D1	SGAI	72-44	T318	EEC	67-11	T7450B1	SGAI	73-110	TF54S114F	TEC	44-44	TF4002AJ	TIIB	83-98
T105D1-16	SGAI	124-95	T404	EEC	66-103	T7450D1	SGAI	74-1	TF54S114J	TEC	44-45		TIIB	
T105D2	SGAI	72-37	T405	EEC	66-104	T7450D2	SGAI	74-2	TF60F	TEC	39-20	TF4002AN	TIIB	83-99
T105D2-16	SGAI	89-59	T406	EEC	78-13	T7451B1	SGAI	74-3	TF60J	TEC	39-21		TIIB	
T105F1	SGAI	72-45	T407	EEC	78-14	T7451D1	SGAI	74-4	TF61F	TEC	39-22	TF4008AJ	TIIB	168-23
T105F2	SGAI	72-38	T410A	EEC	66-105	T7451D2	SGAI	74-5	TF61J	TEC	39-23		TIIB	
T106B1	SGAI	134-73	T411	EEC	66-106	T7453B1	SGAI	74-6	TF62F	TEC	40-20	TF4008AN	TIIB	168-24
T106B1-16	SGAI	135-34	T412	EEC	78-15	T7453D1	SGAI	74-7	TF62J	TEC	40-21		TIIB	
T106D1	SGAI	134-74	T413	EEC	66-107	T7453D2	SGAI	74-8	TF63F	TEC	40-22	TF4011AJ	TIIB	96-28
T106D1-16	SGAI	135-35	T421A	EEC	129-21	T7454B1	SGAI	74-9	TF63J	TEC	40-23		TIIB	
T106D2	SGAI	134-71	T422	EEC	129-22	T7454D1	SGAI	74-10	TF74S74F	TEC	63-51	TF4011AN	TIIB	96-29
T106D2-16	SGAI	134-79	T423A	EEC	129-23	T7454D2	SGAI	74-11	TF74S74J	TEC	63-52		TIIB	
T106F1	SGAI	134-75	T430	EEC	78-16	T7460B1	SGAI	136-16	TF74S112F	TEC	44-46	TF4012AJ	TIIB	96-30
T106F2	SGAI	134-72	T431	EEC	78-17	T7460D1	SGAI	74-12	TF74S112J	TEC	44-47		TIIB	
T107B1	SGAI	105-56	T432	EEC	66-108	T7460D2	SGAI	136-17	TF74S113F	TEC	44-48	TF4012AN	TIIB	96-31
T107B1-16	SGAI	124-96	T433	EEC	66-109	T7472B1	SGAI	49-88	TF74S113J	TEC	44-49		TIIB	
T107D1	SGAI	105-57	T434	EEC	66-110	T7472D1	SGAI	49-89	TF74S114F	TEC	44-50	TF4013AJ	TIIB	61-54
T107D1-16	SGAI	124-97	T437	EEC	85-40	T7472D2	SGAI	49-90	TF74S114J	TEC	44-51		TIIB	
T107D2	SGAI	105-41	T438	EEC	103-95	T7473B1	SGAI	42-39	TF80F	TEC	62-73	TF4013AN	TIIB	61-55
T107D2-16	SGAI	124-29	T439	EEC	67-1	T7473D1	SGAI	42-40	TF80J	TEC	62-74		TIIB	
T107F1	SGAI	105-58	T440	EEC	78-18	T7473D2	SGAI	42-41	TF81F	TEC	62-75	TF4017AJ	TIIB	162-45
T107F2	SGAI	105-42	T442	EEC	78-19	T7474B1	SGAI	62-107	TF81J	TEC	62-76		TIIB	
T108B1	SGAI	72-46	T447	EEC	67-2	T7474D1	SGAI	62-56	TF82F	TEC	62-77	TF4017AN	TIIB	162-46
T108B1-16	SGAI	89-85	T448	EEC	67-3	T7474D2	SGAI	62-57	TF82J	TEC	62-78		TIIB	
T108D1	SGAI	72-47	T601	EEC	67-4	T7475B1	SGAI	174-50	TF83F	TEC	62-79	TF4019AJ	TIIB	70-86
T108D1-16	SGAI	89-86	T602	EEC	78-20	T7476B1	SGAI	42-42	TF83J	TEC	62-80		TIIB	
T108D2	SGAI	72-39	T604	EEC	60-93	T7476D1	SGAI	42-43	TF90F	TEC	63-17	TF4019AN	TIIB	70-87
T108D2-16	SGAI	89-60	T612	EEC	64-32	T7476D2	SGAI	42-44	TF90J	TEC	63-18		TIIB	
T108F1	SGAI	72-48	T613	EEC	67-5	T7483B1	SGAI	168-80	TF91F	TEC	63-19	TF4023AJ	TIIB	96-32
T108F2	SGAI	72-40	T614	EEC	78-21	T7486B1	SGAI	130-37	TF91J	TEC	63-20		TIIB	
T109B1	SGAI	105-59	T620	EEC	67-6	T7486D1	SGAI	130-38	TF92F	TEC	63-21	TF4023AN	TIIB	96-33
T109B1-16	SGAI	89-87	T621	EEC	67-7	T7486D2	SGAI	130-39	TF92J	TEC	63-22		TIIB	
T109D1	SGAI	105-60	T622	EEC	67-8	T7490B1	SGAI	155-50	TF93F	TEC	63-23	TF4025AJ	TIIB	83-100
T109D1-16	SGAI	89-88	T623	EEC	78-22	T7490D1	SGAI	155-51	TF93J	TEC	63-24		TIIB	
T109D2	SGAI	105-43	T627	EEC	67-9	T7490D2	SGAI	155-52	TF100F	TEC	46-85	TF4025AN	TIIB	83-101
T109D2-16	SGAI	89-61	T628	EEC	142-53	T7492B1	SGAI	160-72	TF100J	TEC	46-86		TIIB	
T109F1	SGAI	105-61	T629	EEC	60-94	T7492D1	SGAI	160-73	TF101F	TEC	46-87	TF4027AJ	TIIB	34-93
T109F2	SGAI	105-44	T633	EEC	56-64	T7492D2	SGAI	160-74	TF101J	TEC	46-88		TIIB	
T110B1	SGAI	63-59	T634	EEC	78-23	T7493B1	SGAI	160-75	TF102F	TEC	46-89	TF4027AN	TIIB	34-94
T110B1-16	SGAI	62-26	T635	EEC	78-24	T7493D1	SGAI	160-76	TF102J	TEC	46-90		TIIB	
T110D1	SGAI	63-60	T637	EEC	67-10	T7493D2	SGAI	160-77	TF103F	TEC	46-91	TF4028AJ	TIIB	141-47
T110D1-16	SGAI	62-27	T638A	EEC	83-63	T9324F	TEC	170-22	TF103J	TEC	46-92		TIIB	
T110F1	SGAI	63-61	T639	EEC	128-59	T9324FM	TEC	170-20	TF110F	TEC	46-93	TF4028AN	TIIB	141-48
T112B1	SGAI	105-62	T640	EEC	128-60	T9324J	TEC	170-23	TF110J	TEC	46-94		TIIB	
T112D1	SGAI	105-63	T641	EEC	70-77	T9324JM	TEC	170-21	TF111F	TEC	46-95	TF4029AJ	TIIB	163-2
T112D1-16	SGAI	124-98	T642	EEC	80-97	T9600F	TEC	150-39	TF111J	TEC	46-96		TIIB	
T112D2	SGAI	105-45	T643	EEC	56-65	T9600FM	TEC	150-40	TF112F	TEC	46-97	TF4029AN	TIIB	163-3
T112F1	SGAI	105-64	T644	EEC	56-66	T9600J	TEC	150-41	TF112J	TEC	46-98		TIIB	
T112F2	SGAI	105-46	T645	EEC	85-41	T9600JM	TEC	150-42	TF113F	TEC	46-99	TF4301AJ	TIIB	83-102
T115B1	SGAI	72-49	T646	EEC	53-13	T9601F	TEC	150-43	TF113J	TEC	46-100		TIIB	
T115B1-16	SGAI	89-89	T647	EEC	61-4	T9601FM	TEC	150-44	TF120F	TEC	39-102	TF4301AN	TIIB	83-103
T115D1	SGAI	72-50	T648	EEC	53-14	T9601J	TEC	150-45	TF120J	TEC	39-103		TIIB	
T115D1-16	SGAI	89-90	T650	EEC	70-78	T9601JM	TEC	150-46	TF121F	TEC	39-104	TF4311AJ	TIIB	96-34
T115D2	SGAI	72-41	T651	EEC	80-98	T11001	TSC	60-73	TF121J	TEC	39-105		TIIB	
T115D2-16	SGAI	89-62	T653	EEC	70-79	T11004	TSC	60-74	TF122F	TEC	39-106	TF4311AN	TIIB	96-35
T115F1	SGAI	72-51	T654	EEC	59-82	T11008	TSC	60-75	TF122J	TEC	39-107		TIIB	
T115F2	SGAI	72-42	T655A	EEC	37-82	T41001	TSC	60-76	TF123F	TEC	39-108	TF4360AJ	TIIB	161-26
T118B1	SGAI	147-3	T663	EEC	78-60	T41008	TSC	60-77	TF123J	TEC	39-109		TIIB	
T118B1-16	SGAI	147-4	T664	EEC	59-85	T74107B1	SGAI	41-35	TF130F	TEC	46-101	TF4360AN	TIIB	161-27
T118D1	SGAI	147-5	T801A	EEC	60-100	T74107D1	SGAI	42-45	TF130J	TEC	46-102		TIIB	
T118D1-16	SGAI	147-6	T802	EEC	70-82	T74107D2	SGAI	41-36	TF131F	TEC	46-103	TF4361AJ	TIIB	156-76
T118D2	SGAI	147-7	T803	EEC	78-81	T74121B1	SGAI	150-51	TF131J	TEC	46-104		TIIB	
T118D2-16	SGAI	147-8	T805	EEC	85-45	T74121D1	SGAI	150-52	TF132F	TEC	46-105			

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

DIGITAL	TYPE No.		MFRS		Pg&Line		TYPE No.		MFRS		Pg&Line		TYPE No.		MFRS		Pg&Line			
	TFF3115F	♦TEC	39	29	TG54S01F	♦TEC	112	28	TG112F	TEC	72	64	TG263F	TEC	124	52	TG5417	♦TRC	101	96
	TFF3116F	TEC	59	40	TG54S01J	♦TEC	112	29	TG112J	TEC	72	65	TG263J	TEC	124	53	TG7400E	TEC	112	62
	TFF3116F	♦TEC	40	28	TG54S03F	♦TEC	112	30	TG113F	TEC	72	66	TG270F	♦TEC	135	48	TG7401E	TEC	112	63
	TFF3116P	♦TEC	40	29	TG54S03J	♦TEC	112	31	TG113J	TEC	72	67	TG270J	♦TEC	135	49	TG7402E	TEC	88	95
	TFF3117	TEC	59	41	TG54S08F	♦TEC	69	75	TG120F	TEC	125	24	TG271F	♦TEC	135	50	TG7410E	TEC	112	64
	TFF3117F	♦TEC	39	30	TG54S08J	♦TEC	69	76	TG120J	TEC	125	25	TG271J	♦TEC	135	51	TG7420E	TEC	112	65
	TFF3117P	♦TEC	39	31	TG54S09F	♦TEC	69	77	TG121F	TEC	125	26	TG272F	♦TEC	135	52	TG7430E	TEC	112	66
	TFF3118	TEC	59	42	TG54S09J	♦TEC	69	78	TG121J	TEC	125	27	TG272J	♦TEC	135	53	TG7440E	TEC	112	67
	TFF3118F	♦TEC	40	30	TG54S10F	♦TEC	112	32	TG122F	TEC	125	28	TG273F	♦TEC	135	54	TG7450E	TEC	90	40
	TFF3118P	♦TEC	40	31	TG54S10J	♦TEC	112	33	TG122J	TEC	125	29	TG273J	♦TEC	135	55	TG7451E	TEC	90	41
	TFF3121F	♦TEC	39	32	TG54S11F	♦TEC	69	79	TG123F	TEC	125	30	TG280F	TEC	70	14	TG7453E	TEC	90	42
	TFF3121P	♦TEC	39	33	TG54S11J	♦TEC	69	80	TG123J	TEC	125	31	TG280J	TEC	70	15	TG7454E	TEC	90	43
	TFF3122F	♦TEC	40	32	TG54S15F	♦TEC	69	81	TG130F	TEC	115	36	TG281F	TEC	70	16	TG7460E	TEC	136	18
	TFF3122P	♦TEC	40	33	TG54S15J	♦TEC	69	82	TG130J	TEC	115	37	TG281J	TEC	70	17	TID21	♦THI	131	40
	TFF3123F	♦TEC	39	34	TG54S20F	♦TEC	112	34	TG131F	TEC	115	38	TG282F	TEC	70	18	TID22	♦THI	131	41
	TFF3123P	♦TEC	39	35	TG54S20J	♦TEC	112	35	TG131J	TEC	115	39	TG282J	TEC	70	19	TID23	♦THI	131	42
	TFF3124F	♦TEC	40	34	TG54S21F	♦TEC	69	83	TG132F	TEC	115	40	TG283F	TEC	70	20	TID24	♦THI	131	43
	TFF3124P	♦TEC	40	35	TG54S21J	♦TEC	69	84	TG132J	TEC	115	41	TG283J	TEC	70	21	TL74H87N	ALGG	176	71
	TFF3125F	TEC	46	77	TG54S22F	♦TEC	112	36	TG133F	TEC	115	42	TG290F	TEC	74	108	TL660L	ALGG	104	44
	TFF3125F	♦TEC	39	36	TG54S22J	♦TEC	112	37	TG133J	TEC	115	43	TG290J	TEC	74	109	TL660P	ALGG	104	45
	TFF3125P	♦TEC	39	37	TG54S30F	♦TEC	112	38	TG140F	TEC	125	32	TG291F	♦TEC	75	18	TL661L	ALGG	104	46
	TFF3126	TEC	46	78	TG54S30J	♦TEC	112	39	TG140J	TEC	125	33	TG291J	♦TEC	75	19	TL661P	ALGG	104	47
	TFF3126F	♦TEC	40	36	TG54S40F	TEC	112	40	TG141F	TEC	125	34	TG292F	♦TEC	74	110	TL662L	ALGG	104	48
	TFF3126P	♦TEC	40	37	TG54S40J	TEC	112	41	TG141J	TEC	125	35	TG292J	TEC	75	1	TL662P	ALGG	104	49
	TFF3127	TEC	46	79	TG54S50F	♦TEC	74	13	TG142F	TEC	125	36	TG293F	♦TEC	75	20	TL664L	ALGG	53	18
	TFF3127F	♦TEC	39	38	TG54S50J	TEC	74	14	TG142J	TEC	125	37	TG293J	♦TEC	75	21	TL664P	ALGG	53	19
	TFF3127P	♦TEC	39	39	TG54S51F	♦TEC	74	15	TG143F	TEC	125	38	TG300F	TEC	91	104	TL668L	ALGG	104	50
	TFF3128F	TEC	46	80	TG54S51J	♦TEC	74	16	TG143J	TEC	125	39	TG300J	TEC	91	105	TL668P	ALGG	104	51
	TFF3128P	♦TEC	40	38	TG54S64F	♦TEC	74	17	TG150F	♦TEC	138	43	TG301F	TEC	91	106	TL670L	ALGG	104	52
	TFF3128P	♦TEC	40	39	TG54S64J	♦TEC	74	18	TG150J	♦TEC	138	44	TG301J	TEC	91	107	TL670P	ALGG	104	53
	TFF3161F	♦TEC	39	40	TG54S65F	♦TEC	74	19	TG151F	♦TEC	138	45	TG302F	TEC	91	108	TL671L	ALGG	104	54
	TFF3161P	♦TEC	39	41	TG54S65J	♦TEC	74	20	TG151J	♦TEC	138	46	TG302J	TEC	91	109	TL671P	ALGG	104	55
	TFF3162F	♦TEC	40	40	TG54S140F	TEC	112	42	TG152F	♦TEC	138	47	TG303F	TEC	91	110	TL672L	ALGG	104	56
	TFF3162P	♦TEC	40	41	TG54S140J	TEC	112	43	TG152J	♦TEC	138	48	TG303J	TEC	92	1	TL672P	ALGG	104	57
	TFF3163F	♦TEC	39	42	TG60F	TEC	125	16	TG153F	♦TEC	138	49	TG310F	TEC	76	10	TL4929N	ALGG	112	68
	TFF3163P	♦TEC	39	43	TG60J	TEC	125	17	TG153J	♦TEC	138	50	TG310J	TEC	76	11	TL4930N	ALGG	112	69
	TFF3164F	♦TEC	40	42	TG61F	TEC	125	18	TG170F	♦TEC	134	102	TG311F	TEC	76	12	TL4931N	ALGG	112	70
	TFF3164P	♦TEC	40	43	TG61J	TEC	125	19	TG170J	♦TEC	134	103	TG311J	TEC	76	13	TL7400N	ALGG	112	71
	TFF3165	TEC	46	81	TG62F	TEC	125	20	TG171F	♦TEC	134	104	TG312F	TEC	76	14	TL7401N	ALGG	112	72
	TFF3165F	♦TEC	39	44	TG62J	TEC	125	21	TG171J	♦TEC	134	105	TG312J	TEC	76	15	TL7402N	ALGG	88	96
	TFF3165P	♦TEC	39	45	TG63F	TEC	125	22	TG172F	♦TEC	135	56	TG313F	TEC	76	16	TL7403N	ALGG	112	73
	TFF3166	TEC	46	82	TG63J	TEC	125	23	TG172J	♦TEC	135	57	TG313J	TEC	76	17	TL7408N	ALGG	69	95
	TFF3166F	♦TEC	40	44	TG70F	TEC	75	46	TG173F	♦TEC	135	58	TG320	HIS	102	92	TL7409N	ALGG	69	96
	TFF3166P	♦TEC	40	45	TG70J	TEC	75	47	TG173J	♦TEC	135	59	TG320F	TEC	106	65	TL7410N	ALGG	112	74
	TFF3167	TEC	46	83	TG71F	TEC	75	48	TG180F	♦TEC	136	88	TG320J	TEC	106	66	TL7412N	ALGG	112	75
	TFF3167F	♦TEC	39	46	TG71J	TEC	75	49	TG180J	♦TEC	136	89	TG321	HIS	102	93	TL7420N	ALGG	112	76
	TFF3167P	♦TEC	39	47	TG72F	TEC	75	50	TG181F	♦TEC	136	90	TG321F	TEC	106	67	TL7423N	ALGG	88	97
	TFF3168	TEC	46	84	TG72J	TEC	75	51	TG181J	♦TEC	136	91	TG321J	TEC	106	68	TL7425N	ALGG	88	98
	TFF3168F	♦TEC	40	46	TG73F	TEC	75	52	TG182F	♦TEC	136	92	TG322F	TEC	106	69	TL7426N	ALGG	112	77
	TFF3168P	♦TEC	40	47	TG73J	TEC	75	53	TG182J	♦TEC	136	93	TG322J	TEC	106	70	TL7430N	ALGG	112	78
	TFF3173F	♦TEC	39	48	TG74S00F	♦TEC	112	44	TG183F	♦TEC	136	94	TG323F	TEC	106	71	TL7437N	ALGG	112	79
	TFF3173P	♦TEC	39	49	TG74S00J	♦TEC	112	45	TG183J	♦TEC	136	95	TG323J	TEC	106	72	TL7438N	ALGG	112	80
	TFF3174F	♦TEC	40	48	TG74S01F	♦TEC	112	46	TG190F	TEC	125	40	TG330F	TEC	87	84	TL7440N	ALGG	112	81
	TFF3174P	♦TEC	40	49	TG74S01J	♦TEC	112	47	TG190J	TEC	125	41	TG330J	TEC	87	85	TL7442N	ALGG	142	28
	TFF3181	TEC	39	50	TG74S03F	♦TEC	112	48	TG191F	TEC	125	42	TG331F	TEC	87	86	TL7443N	ALGG	144	49
	TFF3182	TEC	40	50	TG74S03J	♦TEC	112	49	TG191J	TEC	125	43	TG331J	TEC	87	87	TL7444N	ALGG	145	10
	TFF3183	TEC	39	51	TG74S08F	♦TEC	69	85	TG192F	TEC	125	44	TG332F	TEC	87	88	TL7445N	ALGG	142	29
	TFF3184	TEC	40	51	TG74S08J	♦TEC	69	86	TG192J	TEC	125	45	TG332J	TEC	87	89	TL7446AN	ALGG	144	6
	TFF3231	TEC	50	8	TG74S09F	♦TEC	69	87	TG193F	TEC	125	46	TG333F	TEC	87	90	TL7447AN	ALGG	144	7
	TFF3251F	TEC	47	7	TG74S09J	♦TEC	69	88	TG193J	TEC	125	47	TG333J	TEC	87	91	TL7448N	ALGG	144	8
	TFF3251P	TEC	47	8	TG74S10F	♦TEC	112	50	TG200F	TEC	125	68	TG335	♦HIS	102	102	TL7450N	ALGG	74	29
	TFF3252F	TEC	47	9	TG74S10J	♦TEC	112	51	TG200J	TEC	125	69	TG336	HIS	102	95	TL7451N	ALGG	74	30
	TFF3252P	TEC	47	10	TG74S11F	♦TEC	69	89	TG201F	TEC	125	70	TG340F	TEC	87	93	TL7453N	ALGG	74	31
	TFF3253F	TEC	47	11	TG74S11J	♦TEC	69	90	TG201J	TEC	125	71	TG340J	TEC	87	94	TL7454N	ALGG	74	32
	TFF3253P	TEC	47	12	TG74S15F	♦TEC	69	91	TG202F	TEC	125	72	TG341F	TEC	87	95	TL7460N	ALGG	136	19
	TFF3254F	TEC	47	13	TG74S15J	♦TEC	69	92	TG202J	TEC	125	73	TG341J	TEC	87	96	TL7470N	ALGG	43	53
	TFF3254P	TEC	47	14	TG74S20F	♦TEC	112	52	TG203F	TEC	125	74	TG342F	TEC	87	97	TL7472N	ALGG	42	46
	TFF3273F	♦TEC	39	52	TG74S20J	♦TEC	112	53	TG203J	TEC	125	75	TG342J	TEC	87	98	TL7473N	ALGG	42	47
	TFF3273P	♦TEC	39	53	TG74S21F	♦TEC	69	93	TG210F	TEC	71	15	TG343F	TEC	87	99	TL7474N	ALGG	62	108
	TFF3274F	♦TEC	40	52	TG74S21J	♦TEC	69	94	TG210J	TEC	71	16	TG343J	TEC	87	100	TL7475N	ALGG	62	58

1. TYPE No. CROSS INDEX

				IN TYPE NUMBER SEQUENCE							
TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
TL74162N	ALGG	154-33	TNG5414F	TEC	114-87	TP4022AN	TIIB	162-44	TP4531AN	TIIB	173-23
TL74163N	ALGG	159-22	TNG5414P	TEC	114-88		TIIB			TIIB	173-23
TL74190N	ALGG	154-15	TNG5421F	TEC	116-70	TP4023AJ	TIIB	96-40	TP4581AN	TIIB	171-7
TL74191N	ALGG	158-100	TNG5421P	TEC	116-71		TIIB			TIIB	171-7
TL74192N	ALGG	154-34	TNG5422F	TEC	116-72	TP4023AN	TIIB	96-41	TP4582AN	TIIB	172-4
TL74193N	ALGG	159-23	TNG5422P	TEC	116-73		TIIB			TIIB	172-4
TL74196N	ALGG	154-53	TNG5423F	TEC	114-81	TP4024AN	TIIB	156-66	TRC2521F	TEC	159-80
TL74197N	ALGG	154-54	TNG5424F	TEC	114-82		TIIB			TEC	159-81
TL84123N	ALGG	147-50	TNG5511F	TEC	115-53	TP4024BN	TIIB	156-67	TRC2521P	TEC	159-80
TL84145N	ALGG	141-20	TNG5511P	TEC	115-54		TIIB			TEC	159-82
TL84154N	ALGG	142-79	TNG5512F	TEC	115-55	TP4025AJ	TIIB	84-3	TRC2522P	TEC	159-83
TL84192N	ALGG	154-35	TNG5512P	TEC	115-56		TIIB			TEC	159-84
TMCAG3	WLD	72-2	TNG5513F	TEC	115-57	TP4025AN	TIIB	84-4	TRC2523P	TEC	159-85
TMC400-01	MEP	89-52	TNG5513P	TEC	115-58		TIIB			TEC	159-86
TMC400-02	MEP	149-74	TNG5514F	TEC	115-59	TP4027AJ	TIIB	34-95	TRC2524F	TEC	159-87
TMC400-03	MEP	56-96	TNG5514P	TEC	115-60		TIIB			TEC	159-88
TMCD1	WLD	162-21	TNG5611F	TEC	116-74	TP4027AN	TIIB	34-96	TRC2525F	TEC	154-83
TMCD2	WLD	126-22	TNG5611P	TEC	116-75		TIIB			TEC	154-84
TMDD1	WLD	141-74	TNG5612F	TEC	116-76	TP4027BN	TIIB	34-92	TRC2526F	TEC	154-85
TMDD2	WLD	125-76	TNG5612P	TEC	116-77		TIIB			TEC	154-86
TNG3131	TEC	92-2	TNG6221F	TEC	70-22	TP4028AJ	TIIB	141-49	TRC2527F	TEC	154-87
TNG3211	TEC	92-3	TNG6221P	TEC	70-23		TIIB			TEC	154-88
TNG3211F	TEC	92-4	TNG6222F	TEC	70-24	TP4028AN	TIIB	141-50	TRC2528F	TEC	154-89
TNG3212	TEC	92-5	TNG6222P	TEC	70-25		TIIB			TEC	154-90
TNG3212F	TEC	92-6	TNG6223F	TEC	70-26	TP4028BN	TIIB	141-46	TRW7400#1	TRW	112-91
TNG3213	TEC	92-7	TNG6223P	TEC	70-27		TIIB			TRW	112-92
TNG3213F	TEC	92-8	TNG6224F	TEC	70-28	TP4029AJ	TIIB	163-4	TRW7401#1	TRW	112-93
TNG3214	TEC	92-9	TNG6224P	TEC	70-29		TIIB			TRW	112-94
TNG3214F	TEC	92-10	TNG6261F	TEC	70-30	TP4029AN	TIIB	163-5	TRW7402#1	TRW	88-100
TNG3231	TEC	89-67	TNG6261P	TEC	70-31		TIIB			TRW	88-101
TNG3241F	TEC	89-68	TNG6262F	TEC	70-32	TP4030AN	TIIB	128-64	TRW7403#1	TRW	112-95
TNG3241P	TEC	89-69	TNG6262P	TEC	70-33		TIIB			TRW	112-96
TNG3242F	TEC	89-70	TNG6263F	TEC	70-34	TP4040AN	TIIB	156-68	TRW7408#1	TRW	112-97
TNG3242P	TEC	89-71	TNG6263P	TEC	70-35		TIIB			TRW	112-98
TNG3243F	TEC	89-72	TNG6264F	TEC	70-36	TP4040BN	TIIB	156-69	TRW7410#1	TRW	112-99
TNG3243P	TEC	89-73	TNG6264P	TEC	70-37		TIIB			TRW	112-100
TNG3244F	TEC	89-74	TNG6521F	TEC	70-38	TP4042AN	TIIB	174-62	TRW7420#1	TRW	112-101
TNG3244P	TEC	92-10	TNG6521P	TEC	70-39		TIIB			TRW	112-102
TNG3252F	TEC	92-11	TNG6522F	TEC	70-40	TP4042BN	TIIB	174-63	TRW7430#1	TRW	112-103
TNG3253F	TEC	92-12	TNG6522P	TEC	70-41		TIIB			TRW	112-104
TNG3254F	TEC	92-13	TNG6523F	TEC	70-42	TP4043AN	TIIB	174-64	TRW7437#1	TRW	112-105
TNG3311F	TEC	125-48	TNG6523P	TEC	70-43		TIIB			TRW	112-106
TNG3311P	TEC	125-49	TNG6524F	TEC	70-44	TP4043BN	TIIB	174-65	TRW7438#1	TRW	112-107
TNG3312F	TEC	125-50	TNG7251F	TEC	81-21		TIIB			TRW	112-108
TNG3312P	TEC	125-51	TNG7251P	TEC	81-22	TP4044AN	TIIB	174-66	TRW7450#1	TRW	74-35
TNG3313F	TEC	125-52	TNG7252F	TEC	81-23		TIIB			TRW	74-36
TNG3313P	TEC	125-53	TNG7252P	TEC	81-24	TP4044BN	TIIB	174-67	TRW7451#1	TRW	74-37
TNG3314F	TEC	125-54	TNG7253F	TEC	81-25		TIIB			TRW	74-38
TNG3314P	TEC	125-55	TNG7253P	TEC	81-26	TP4068BN	TIIB	96-27	TRW7451#2	TRW	74-39
TNG3331	TEC	124-54	TNG7254F	TEC	81-27		TIIB			TRW	74-40
TNG3331F	TEC	124-55	TNG7254P	TEC	81-28	TP4071BN	TIIB	77-39	TRW7452#1	TRW	74-41
TNG3331P	TEC	124-56	TNG7711F	TEC	90-77		TIIB			TRW	74-42
TNG3332F	TEC	124-57	TNG7711P	TEC	90-78	TP4072BN	TIIB	77-40	TRW7452#2	TRW	50-10
TNG3332P	TEC	124-58	TNG7712F	TEC	90-79		TIIB			TRW	50-11
TNG3333F	TEC	124-59	TNG7712P	TEC	90-80	TP4073BN	TIIB	77-40	TRW7472#1	TRW	62-62
TNG3333P	TEC	124-60	TNG7811F	TEC	90-81		TIIB			TRW	62-63
TNG3334F	TEC	124-61	TNG7811P	TEC	90-82	TP4075BN	TIIB	77-41	TRW7474	TRW	155-53
TNG3334P	TEC	124-62	TNG7812F	TEC	90-83		TIIB			TRW	155-54
TNG33481L	TEC	125-56	TNG7812P	TEC	90-84	TP4078BN	TIIB	83-93	TRWF50#1	TRW	45-45
TNG33482L	TEC	125-57	TQ200	RTN	149-44		TIIB			TRW	45-46
TNG33483L	TEC	125-58	TP4000AJ	TIIB	83-104	TP4081BN	TIIB	64-75	TRWF60#1	TRW	50-33
TNG33484L	TEC	125-59		TIIB			TIIB			TRW	63-66
TNG4031	TEC	136-57	TP4001AJ	TIIB	83-105	TP4082BN	TIIB	64-76	TRWF90#1	TRW	63-67
TNG4131	TEC	125-79		TIIB			TIIB			TRW	45-74
TNG4211F	TEC	92-14	TP4001AN	TIIB	83-106	TP4301AJ	TIIB	84-5	TRWF100#1	TRW	45-75
TNG4212F	TEC	92-15		TIIB			TIIB			TRW	45-76
TNG4213F	TEC	92-16	TP4001BN	TIIB	83-92	TP4301AN	TIIB	84-6	TRWF110#1	TRW	45-77
TNG4214F	TEC	92-17		TIIB			TIIB			TRW	45-78
TNG4241F	TEC	89-75	TP4002AJ	TIIB	84-1	TP4311AJ	TIIB	96-42	TRWF120#1	TRW	45-93
TNG4241P	TEC	89-76		TIIB			TIIB			TRW	45-94
TNG4242F	TEC	89-77	TP4002AN	TIIB	84-2	TP4311AN	TIIB	96-43	TRWF130#1	TRW	45-95
TNG4242P	TEC	89-78		TIIB			TIIB			TRW	45-96
TNG4243F	TEC	89-79	TP4008AJ	TIIB	168-28	TP4360AJ	TIIB	161-22	TRWF140#1	TRW	45-97
TNG4243P	TEC	89-80		TIIB			TIIB			TRW	45-98
TNG4244F	TEC	89-81	TP4008AN	TIIB	168-29	TP4360AN	TIIB	161-23	TRWF200#1	TRW	51-20
TNG4244P	TEC	89-82		TIIB			TIIB			TRW	51-21
TNG4411	TEC	91-40	TP4008BN	TIIB	168-21	TP4361AJ	TIIB	156-72	TRWF210#1	TRW	51-22
TNG4412	TEC	91-41		TIIB			TIIB			TRW	51-23
TNG4413	TEC	91-42	TP4011AJ	TIIB	96-36	TP4361AN	TIIB	156-73	TRWF210#2	TRW	51-24
TNG4414	TEC	91-43		TIIB			TIIB			TRW	51-25
TNG4441	TEC	91-36	TP4011AN	TIIB	96-37	TP4362AJ	TIIB	161-24	TRWG40#1	TRW	127-10
TNG4442	TEC	91-37		TIIB			TIIB			TRW	127-11
TNG4443	TEC	91-38	TP4011BN	TIIB	96-26	TP4362AN	TIIB	161-25	TRWG50#1	TRW	127-12
TNG4444	TEC	91-39		TIIB			TIIB			TRW	127-13
TNG5031	TEC	136-58	TP4012AJ	TIIB	96-38	TP4363AJ	TIIB	156-74	TRWG60#1	TRW	127-14
TNG5121	TEC	114-69		TIIB			TIIB			TRW	127-15
TNG5121F	TEC	114-70	TP4012AN	TIIB	96-39	TP4363AN	TIIB	156-75	TRWG70#1	TRW	75-54
TNG5122	TEC	114-71		TIIB			TIIB			TRW	75-55
TNG5122F	TEC	114-72	TP4013AJ	TIIB	61-56	TP4370AN	TIIB	61-52	TRWG80#1	TRW	130-92
TNG5123	TEC	114-73		TIIB			TIIB			TRW	130-93
TNG5123F	TEC	114-74	TP4013AN	TIIB	61-57	TP4376AN	TIIB	174-68	TRWG90#1	TRW	80-1
TNG5124	TEC	114-75		TIIB			TIIB			TRW	80-2
TNG5124F	TEC	114-76	TP4013BN	TIIB	61-53	TP4377AN	TIIB	174-69	TRWG100#1	TRW	80-3
TNG5131	TEC	125-80		TIIB			TIIB			TRW	80-4
TNG5211F	TEC	115-44	TP4017AJ	TIIB	162-47	TP4507AJ	TIIB	128-67	TRWG110#1	TRW	127-14
TNG5221F	TEC	115-45		TIIB			TIIB			TRW	127-15
TNG5221P	TEC	115-46	TP4017AN	TIIB	162-48	TP4507AN	TIIB	128-68	TRWG120#1	TRW	127-16
TNG5222F	TEC	115-47		TIIB			TIIB			TRW	127-17
TNG5222P	TEC	115-48	TP4018AN	TIIB	162-109	TP4518AN	TIIB	152-43	TRWG130#1	TRW	127-18
TNG5223F	TEC	115-49		TIIB			TIIB			TRW	127-19
TNG5223P	TEC	115-50	TP4018BN	TIIB	163-1	TP4519AJ#2	TIIB	70-91	TRWG140#1	TRW	

1. TYPE No. CROSS INDEX

DIGITAL	IN TYPE NUMBER SEQUENCE			IN TYPE NUMBER SEQUENCE			IN TYPE NUMBER SEQUENCE			IN TYPE NUMBER SEQUENCE				
	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line		
U8A991528	FSC	94-55	US54H50J	SPR	74-44	US720J	SPR	122-70	US7411J	SPR	70-9	USO111	SPR	86-75
U8A991529	FSC	95-56	US54H51A	SPR	74-45	US721J	SPR	122-71	US7418A	SPR	79-29	USO112	SPR	87-85
U8A992128	FSC	134-3	US54H51J	SPR	74-46	US727J	SPR	122-72	US7418J	SPR	79-30	USO113	SPR	93-86
U8A992129	FSC	134-4	US54H52A	SPR	71-54	US729J	SPR	56-21	US7420A	SPR	113-58	USR0100A	SPR	56-78
U8A992329	FSC	38-44	US54H52J	SPR	71-55	US730J	SPR	122-73	US7420J	SPR	113-59	USR0100B	SPR	56-79
U8A992628	FSC	38-42	US54H53A	SPR	74-47	US731J	SPR	133-9	US7421A	SPR	70-10	USR0101A	SPR	57-106
U8A992629	FSC	38-43	US54H53J	SPR	74-48	US732J	SPR	133-10	US7421J	SPR	70-11	USR0101B	SPR	57-107
U140M	ALCG	155-97	US54H54A	SPR	74-49	US0909D	SPR	94-56	US7426A	SPR	113-60	USR0102A	SPR	93-87
U601	EEC	84-92	US54H54J	SPR	74-50	US0909E	SPR	94-57	US7427A	SPR	89-2	USR0102B	SPR	93-88
U811	EEC	84-96	US54H55A	SPR	74-51	US0910D	SPR	94-58	US7427J	SPR	89-3	USR0103A	SPR	93-89
U813	EEC	52-16	US54H55J	SPR	74-52	US0910E	SPR	94-59	US7429A	SPR	89-4	USR0103B	SPR	93-90
U814	EEC	164-82	US54H60A	SPR	136-20	US0911D	SPR	95-57	US7429J	SPR	89-5	USR0104A	SPR	93-91
U815	EEC	148-30	US54H60J	SPR	136-21	US0911E	SPR	95-58	US7430A	SPR	113-61	USR0104B	SPR	93-92
U11004	TSC	60-78	US54H61A	SPR	136-22	US0913D	SPR	59-3	US7430J	SPR	113-62	USR0105A	SPR	129-52
U11008	TSC	60-79	US54H61J	SPR	136-23	US0913E	SPR	59-4	US7432A	SPR	79-31	USR0105B	SPR	129-53
U41008	TSC	60-80	US54H62A	SPR	136-24	US0921D	SPR	134-5	US7432J	SPR	79-32	USR0106A	SPR	91-78
U31909356	FSC	36-91	US54H62J	SPR	136-25	US0921E	SPR	134-6	US7438A	SPR	113-63	USR0106B	SPR	91-79
U31909456	FSC	36-92	US54H71A	SPR	43-26	US0940D	SPR	38-45	US7438J	SPR	113-64	USR0108A	SPR	149-66
U31909756	FSC	36-93	US54H71J	SPR	43-27	US0960D	SPR	94-60	US7440A	SPR	113-65	USR0108B	SPR	149-67
U31909956	FSC	36-94	US54H72A	SPR	43-28	US5400A	SPR	113-31	US7440J	SPR	113-66	USR0109A	SPR	129-54
JAA1001	ITT	176-80	US54H72J	SPR	43-29	US5400J	SPR	113-32	US7441A	SPR	142-35	USR0109B	SPR	129-55
JAA1007	ITT	177-47	US54H73A	SPR	43-30	US5401A	SPR	113-33	US7442A	SPR	142-36	USR0110C	SPR	56-81
UB601	EEC	84-93	US54H73J	SPR	43-31	US5401J	SPR	113-34	US7443A	SPR	144-52	USR0111C	SPR	56-83
UC501	EEC	84-94	US54H74A	SPR	63-26	US5402A	SPR	88-102	US7444A	SPR	144-53	USR0112C	SPR	93-93
UC503	EEC	58-39	US54H74J	SPR	63-27	US5402J	SPR	88-103	US7445A	SPR	142-37	USR0113C	SPR	93-94
UC504	EEC	164-69	US54H76A	SPR	43-32	US5403A	SPR	113-35	US7446A	SPR	144-12	USR0114A	SPR	91-55
UC505	EEC	149-55	US54H76J	SPR	43-33	US5403A	SPR	69-110	US7447A	SPR	144-13	USR0114B	SPR	91-56
UC506	EEC	77-94	US54H78A	SPR	43-34	US5408J	SPR	70-1	US7448A	SPR	144-14	USR0115A	SPR	93-101
UC507	EEC	77-95	US54H78J	SPR	43-35	US5409A	SPR	113-36	US7450A	SPR	74-73	USR0115B	SPR	93-102
UC509	EEC	84-95	US54H571A	SPR	44-8	US5409J	SPR	113-37	US7450J	SPR	74-74	US5400A	SPR	113-79
UC641	EEC	157-99	US54H571J	SPR	44-9	US5410A	SPR	113-38	US7451A	SPR	74-75	US5400J	SPR	113-80
UC701	EEC	84-97	US54H572A	SPR	44-10	US5410J	SPR	113-39	US7451J	SPR	74-76	US5401A	SPR	113-81
UC703	EEC	55-14	US54H572J	SPR	44-11	US5411A	SPR	70-2	US7452A	SPR	81-19	US5401J	SPR	113-82
UC704	EEC	164-83	US74H00A	SPR	113-15	US5411J	SPR	70-3	US7452A	SPR	81-20	US5402A	SPR	89-8
UC705	EEC	148-31	US74H00J	SPR	113-16	US5418A	SPR	79-25	US7453A	SPR	74-77	US5402J	SPR	89-9
UC706	EEC	84-98	US74H01A	SPR	113-17	US5418J	SPR	79-26	US7453J	SPR	74-78	US5410A	SPR	113-83
UC707	EEC	84-99	US74H01J	SPR	113-18	US5420A	SPR	113-40	US7454A	SPR	74-79	US5410J	SPR	113-84
UC709	EEC	77-96	US74H08A	SPR	69-104	US5420J	SPR	113-41	US7454J	SPR	74-80	US5420A	SPR	113-85
UC741	EEC	157-100	US74H10A	SPR	113-19	US5421A	SPR	70-4	US7455A	SPR	90-46	US5420J	SPR	113-86
UC841	EEC	157-101	US74H10J	SPR	113-20	US5421J	SPR	113-42	US7455A	SPR	90-47	US5430A	SPR	113-87
UC941	EEC	157-106	US74H11A	SPR	69-106	US5427A	SPR	88-104	US7459A	SPR	74-81	US5430J	SPR	113-88
UC1001B	SPR	123-99	US74H11J	SPR	69-107	US5427J	SPR	88-105	US7459J	SPR	74-82	US5440A	SPR	113-89
UC1002B	SPR	56-59	US74H20A	SPR	113-21	US5429A	SPR	88-106	US7460A	SPR	136-38	US5440J	SPR	90-56
UC1003B	SPR	128-48	US74H20J	SPR	113-22	US5429J	SPR	88-107	US7461A	SPR	136-39	US5450A	SPR	90-57
UC1005B	SPR	133-7	US74H21A	SPR	69-108	US5430A	SPR	113-43	US7461J	SPR	136-41	US5450J	SPR	90-57
UC1006B	SPR	133-8	US74H21J	SPR	69-109	US5430J	SPR	113-44	US7462A	SPR	136-42	US5451J	SPR	90-58
UC6000	UCC	141-33	US74H22A	SPR	113-23	US5432A	SPR	79-27	US7462J	SPR	136-43	US5453A	SPR	90-60
UCN4104A	SPR	167-23	US74H22J	SPR	113-24	US5432J	SPR	79-28	US7470A	SPR	42-77	US5453J	SPR	90-61
UCN4104M	SPR	167-24	US74H30A	SPR	113-25	US5438A	SPR	113-45	US7470J	SPR	42-78	US5454A	SPR	90-62
UCN4111A	SPR	167-27	US74H30J	SPR	113-26	US5438J	SPR	113-46	US7471A	SPR	43-48	US5454J	SPR	90-63
UCN4111M	SPR	167-28	US74H37A	SPR	113-27	US5440A	SPR	113-47	US7471J	SPR	43-49	US5460A	SPR	136-46
UCN4113A	SPR	167-25	US74H37J	SPR	113-28	US5440J	SPR	113-48	US7472A	SPR	41-92	US5460J	SPR	136-47
UCN4113M	SPR	167-26	US74H40A	SPR	113-29	US5441A	SPR	142-32	US7472J	SPR	41-93	US5470A	SPR	36-37
UCN4114A	SPR	167-29	US74H40J	SPR	113-30	US5442A	SPR	142-33	US7473A	SPR	41-94	US5470J	SPR	36-38
UCN4114M	SPR	167-30	US74H50A	SPR	74-53	US5443A	SPR	144-50	US7473J	SPR	41-95	US5472A	SPR	41-56
UCN4500C	SPR	167-21	US74H50J	SPR	74-54	US5444A	SPR	144-51	US7474A	SPR	63-2	US5472J	SPR	41-57
UCN4500L	SPR	167-22	US74H51A	SPR	74-55	US5445A	SPR	142-34	US7474J	SPR	63-3	US5473A	SPR	41-58
UCN4501C	SPR	177-48	US74H51J	SPR	74-56	US5446A	SPR	144-9	US7476A	SPR	41-96	US5473J	SPR	41-59
UCN4501F	SPR	177-49	US74H52A	SPR	71-56	US5447A	SPR	144-10	US7476J	SPR	130-44	US5474A	SPR	57-10
UD320	HIS	162-36	US74H52J	SPR	71-57	US5448A	SPR	144-11	US7486J	SPR	130-45	US5474J	SPR	57-11
UD335	HIS	162-38	US74H53A	SPR	74-57	US5450A	SPR	74-63	US7490A	SPR	154-59	US5479A	SPR	47-102
UD336	HIS	162-39	US74H53J	SPR	74-58	US5450J	SPR	74-64	US7490J	SPR	154-60	US5479J	SPR	47-103
UF1	CLC	51-39	US74H54A	SPR	74-59	US5451A	SPR	74-65	US7492A	SPR	160-80	W108	DEC	139-52
UF1A	CLC	51-41	US74H54J	SPR	74-60	US5451J	SPR	74-66	US7492J	SPR	160-81	WC206D	WESY	100-90
UF2	CLC	51-43	US74H55A	SPR	74-61	US5452A	SPR	81-17	US7493A	SPR	160-82	WC206G	WESY	100-91
UF3	CLC	51-40	US74H55J	SPR	74-62	US5452J	SPR	81-18	US7493J	SPR	160-83	WC210D	WESY	100-92
UF3A	CLC	51-42	US74H60A	SPR	136-26	US5453A	SPR	74-67	US54107A	SPR	41-97	WC210G	WESY	100-93
UF4	CLC	51-44	US74H60J	SPR	136-27	US5453J	SPR	74-68	US54121A	SPR	150-47	WC210T	WESY	100-94
UF20	HIS	58-84	US74H61A	SPR	136-28	US5454A	SPR	74-69	US54121J	SPR	150-48	WC211T	WESY	100-95
UF21	CLC	51-38	US74H61J	SPR	136-29	US5454J	SPR	74-70	US54145A	SPR	142-38	WC212G,T	WESY	52-1
UF23	CLC	51-33	US74H62A	SPR	136-30	US5455A	SPR	90-44	US54154A	SPR	140-43	WC213D	WESY	55-105
UF30	HIS	58-86	US74H62J	SPR	136-31	US5455J	SPR	90-45	US74107A	SPR	41-98	WC213G	WESY	55-106
UF35	HIS	58-88	US74H71A	SPR	43-36	US5459A	SPR	74-71	US74121A	SPR	150-49	WC213T	WESY	55-107
UF130	HIS	58-79	US74H71J	SPR	43-37	US5459J	SPR	74-72						

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
WC255D	WESY	35-28	WM255Q	WESY	35-39	ZSS111A	♦FERB	92-80						
WC257D	WESY	142-85	WM257Q	WESY	142-82	ZSS111B	♦FERB	92-61						
WC261D	WESY	101-7	WM261G	WESY	98-92	ZSS113A	♦FERB	92-62						
WC261G	WESY	101-8	WM261Q	WESY	98-24	ZSS113B	♦FERB	92-63						
WC265D	WESY	35-29	WM261T	WESY	98-25	ZSS115A	♦FERB	92-64						
WC266D	WESY	101-9	WM265K	WESY	35-40	ZSS115B	♦FERB	92-65						
WC266G	WESY	101-10	WM265Q	WESY	35-41	ZSS116B	♦FERB	92-66						
WC286D	WESY	101-11	WM266G	WESY	98-93	ZSS117B	♦FERB	92-67						
WC286G	WESY	101-12	WM286G	WESY	98-94	ZSS119A	♦FERB	85-9						
WC296D	WESY	101-13	WM296G	WESY	98-26	ZSS119B	♦FERB	85-10						
WC296G	WESY	101-14	WM501G	WESY	98-27	ZSS131A	♦FERB	92-68						
WC930D	WESY	101-74	WM503G	WESY	35-52	ZSS131B	♦FERB	92-69						
WC932D	WESY	101-75	WM506G	WESY	98-28	ZSS133A	♦FERB	92-70						
WC933D	WESY	133-11	WM510	WESY	98-29	ZSS133B	♦FERB	92-71						
WC944D	WESY	121-108	WM510G	WESY	98-30	ZSS135A	♦FERB	92-72						
WC945D	WESY	58-70	WM556G	WESY	98-31	ZSS135B	♦FERB	92-73						
WC946D	WESY	121-109	WM10333	WAL	156-24	ZSS136B	♦FERB	92-74						
WC948D	WESY	58-71	WM10343	WAL	61-1	ZSS137B	♦FERB	92-75						
WC949D	WESY	121-47	WM10383	WAL	76-78	ZSS142D	GECEB	92-94						
WC952D	WESY	36-108	WM10383D	WAL	76-79	ZSS143A	GECEB	92-95						
WC953D	WESY	36-109	WM10423	WAL	82-44	ZSS143B	GECEB	92-96						
WC955D	WESY	36-110	WM10423D	WAL	82-45	ZSS144A	GECEB	92-97						
WC956D	WESY	37-1	WM10433	WAL	147-96	ZSS144C	GECEB	92-98						
WC961D	WESY	101-76	WM10443	WAL	51-67	ZSS152D	GECEB	92-99						
WC962D	WESY	121-110	WS371Q	WESY	81-42	ZSS153A	GECEB	92-100						
WC963D	WESY	122-1	WS374Q	WESY	81-43	ZSS153B	GECEB	92-101						
WC7400D	WESY	113-91	WS810Q	WESY	66-63	ZSS154A	GECEB	92-102						
WC7410D	WESY	113-92	WS811Q	WESY	98-32	ZSS154C	GECEB	92-103						
WC7420D	WESY	113-93	WS812Q	WESY	66-64	ZST111A	♦FERB	92-76						
WC7430D	WESY	113-94	WS813Q	WESY	77-6	ZST111E	GECEB	93-9						
WC7440D	WESY	113-95	WS814Q	WESY	66-65	ZST112A	♦FERB	77-97						
WC7450D	WESY	90-64	WS817Q	WESY	98-33	ZST112B	♦FERB	77-98						
WC7451D	WESY	90-65	WS840Q	WESY	148-18	ZST113A	♦FERB	92-77						
WC7453D	WESY	90-66	WS841Q	WESY	149-80	ZST113B	♦FERB	92-78						
WC7460D	WESY	136-48	XC11	♦VDM	166-38	ZST114A	♦FERB	92-79						
WC7470D	WESY	49-106	XC21	♦VDM	166-39	ZST131A	♦FERB	92-80						
WC7472D	WESY	49-82	XC31	♦VDM	166-40	ZST131E	GECEB	93-10						
WC7473D	WESY	41-99	XC601	♦CEQ	166-52	ZST132A	♦FERB	77-99						
WC7474D	WESY	63-4	XC701	♦CEQ	166-53	ZST132B	♦FERB	77-100						
WCT215D	WESY	36-71	XC801	CEQ	166-54	ZST133A	♦FERB	92-81						
WCT216D	WESY	100-83	XC901	♦CEQ	166-55	ZST133B	♦FERB	92-82						
WCT220D	WESY	100-84	XCG200	RTN	166-64	ZST134A	♦FERB	92-83						
WCT226D	WESY	100-85	XR220#1	♦EXR	147-98	ZXD201A	GECEB	133-36						
WCT227D	WESY	133-12	XR220#2	♦EXR	164-3	ZXD202B	GECEB	35-75						
WCT231D	WESY	100-86	XR220M#1	♦EXR	147-99	ZXD211A	GECEB	133-26						
WCT236D	WESY	100-87	XR220M#2	♦EXR	164-4	ZXD211B	GECEB	35-76						
WCT245D	WESY	35-30	XR320#1	♦EXR	147-107	ZXD221A	GECEB	133-37						
WCT246D	WESY	100-88	XR320#2	♦EXR	164-5	ZXD222B	GECEB	35-77						
WCT255D	WESY	35-31	XR555CT#1	♦EXR	164-37	ZXD231A	GECEB	133-27						
WCT261D	WESY	100-89	XR555CT#2	♦EXR	150-78	ZXD231B	GECEB	35-78						
WCT265D	WESY	35-32	XR555MT#1	♦EXR	164-38	ZXF201B	GECEB	35-79						
WC2216D	WESY	103-85	XR555MT#2	♦EXR	150-79	ZXF211B	GECEB	35-80						
WC2236D	WESY	103-86	XR2250CN#1	♦EXR	151-74	ZXF221B	GECEB	35-81						
WC2246D	WESY	103-87	XR2250CN#2	♦EXR	164-52	ZXF231B	GECEB	35-82						
WC2261D	WESY	103-88	XR2250CP#1	♦EXR	151-75	ZXS202D	GECEB	92-104						
WC2266D	WESY	103-89	XR2250CP#2	♦EXR	164-53	ZXS203A	GECEB	92-105						
WC2298Z	WESY	149-38	XR2250M#1	♦EXR	151-76	ZXS203B	GECEB	92-106						
WM201G	WESY	98-69	XR2250M#2	♦EXR	164-54	ZXS204A	GECEB	92-107						
WM201Q	WESY	98-70	XR2250N#1	♦EXR	151-77	ZXS204C	GECEB	92-108						
WM201T	WESY	98-71	XR2250N#2	♦EXR	164-55	ZXS212D	GECEB	92-109						
WM202T,G,Q	WESY	52-2	XR2250P#1	♦EXR	151-78	ZXS213A	GECEB	92-110						
WM204G	WESY	98-72	XR2250P#2	♦EXR	164-56	ZXS213B	GECEB	93-1						
WM204Q	WESY	98-73	Y74LS22D1	none	113-96	ZXS214A	GECEB	93-2						
WM204T	WESY	98-74	Z80ACTCCE	none	151-87	ZXS214C	GECEB	93-3						
WM205T,Q	WESY	59-65	Z80ACTCCM	none	151-88	ZXS222D	GECEB	93-4						
WM206G	WESY	98-75	Z80ACTCCS	none	151-89	ZXS223A	GECEB	93-5						
WM210G	WESY	98-14	Z80ACTCPS	none	151-90	ZXS223B	GECEB	93-6						
WM210Q	WESY	98-15	Z80CTCCS#2	none	151-86	ZXS224A	GECEB	93-7						
WM210T	WESY	98-16	ZN1002E	FERB	176-37	ZXS224C	GECEB	93-8						
WM211G	WESY	98-76	ZN1034	none	151-93									
WM211Q	WESY	98-17	ZN7441AE	♦FERB	142-52									
WM211T	WESY	98-77	ZNPCMICE	none	177-2									
WM212Q	WESY	52-3	ZSD71	FERB	133-28									
WM212T,G	WESY	52-4	ZSD71A	GECEB	133-29									
WM213G	WESY	55-78	ZSD91	FERB	133-30									
WM213Q	WESY	55-79	ZSD91A	GECEB	133-31									
WM213T	WESY	55-80	ZSD92B	GECEB	35-67									
WM214G	WESY	98-78	ZSD111A	♦FERB	133-24									
WM214Q	WESY	98-79	ZSD131A	♦FERB	133-25									
WM214T	WESY	98-80	ZSD141A	GECEB	133-32									
WM215G	WESY	35-33	ZSD142B	GECEB	35-68									
WM215Q	WESY	35-34	ZSD151A	GECEB	133-33									
WM215T	WESY	35-35	ZSD152B	GECEB	35-69									
WM216G	WESY	98-81	ZSD211A	GECEB	133-34									
WM217G	WESY	133-13	ZSD231A	GECEB	133-35									
WM217Q	WESY	133-14	ZSF71	FERB	35-83									
WM217T	WESY	133-15	ZSF71B	GECEB	35-70									
WM218G	WESY	148-85	ZSF72B	GECEB	35-71									
WM218Q	WESY	148-86	ZSF91	FERB	35-84									
WM218T	WESY	148-87	ZSF91B	GECEB	35-72									
WM221G	WESY	98-82	ZSF111B	♦FERB	35-63									
WM221Q	WESY	98-18	ZSF111CT	♦FERB	35-64									
WM221T	WESY	98-83	ZSF131B	♦FERB	35-65									
WM222G	WESY	51-103	ZSF131CT	♦FERB	35-66									
WM224G	WESY	98-84	ZSF141B	GECEB	35-73									
WM224Q	WESY	98-19	ZSF151B	GECEB	35-74									
WM224T	WESY	98-85	ZSM1A	FERB	85-11									
WM225G	WESY	36-66	ZSM1B	FERB	85-12									
WM226G	WESY	98-87	ZSS1A	♦FERB	85-13									
WM227G	WESY	133-16	ZSS1B	♦FERB	85-14									
WM231G	WESY	98-86	ZSS2A	♦FERB	85-15									
WM231Q	WESY	98-20	ZSS2B	♦FERB	85-16									
WM231T	WESY	98-21	ZSS3A	♦FERB	85-17									
WM234G	WESY	98-88	ZSS3B	♦FERB	85-18									
WM236G	WESY	98-89	ZSS72D	♦FERB	92-84									
WM237Q	WESY	142-80	ZSS73A	FERB	92-85									
WM241G	WESY	98-90	ZSS73B	♦FERB	92-86									
WM241Q	WESY	98-22	ZSS74A	♦FERB	92-87									
WM241T	WESY	98-23	ZSS74C	FERB	92-88									
WM245K	WESY	35-36	ZSS92D	FERB	92-89									
WM245Q	WESY	35-37	ZSS93A	FERB	92-90									
WM246G	WESY	98-91	ZSS93B	FERB	92-91									
WM247Q	WESY	142-81	ZSS94A											

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2. DIODE ARRAYS/MATRIXES

IN ORDER OF: (1)TYPE CODE (2)MAX. FWD. CURR.
(3)VRRM (4)TYPE No.

LINE No.	4] TYPE No.	1] TYPE CODE	DIODE/ CKT and No. OF CKTS.	BASIC DIODE CONN-ECT.	2] MAX. FORWARD CURR @ TEMP		3] VRRM (V)	MAX. FORWARD VOLTAGE @		MAX. REVERSE RECOVERY TIME @			MAX. STATIC REVERSE CURR. @ VR		MAX. TOTAL PKG. DISS. (W)	TEMP.		DRAWINGS	
					IF (A)	TEMP (°C)		VF (V)	IF (A)	trr (s)	IF (A)	IR (A)	IRM (A)	VR (V)		LOW °C	HI °C	LOGIC DWG. No	OUTLINE DWG. No Δ=MO
1 #	DN803T	ARR	16-1	CKA	200m	25		1.3	200m	10n	100m	100m			500m	-55	125	D0012	M257g
2 #	DN804	ARR	4-2	CK	200m	25		1.3	200m	10n	100m	100m			500m	-55	125	D008	M257g
3 #	DN806	ARR	4-2	CA	200m	25		1.3	200m	10n	100m	100m			500m	-55	125	D009	M257g
4 #	UPA51B	ARR	8-2	CKA	200m	25 A	60	1.4	500m	30n	60m	60m	100n	40	560m	-55	175	D0013	FP28h
5	MC1103F	ARR	16-1	CKA	300m	25	50	1.1	100m	20n	200m	200m	100n	40	500m	-55	150	D001a	T091
6	MC1105F	ARR	8-1	CK	300m	25	50	1.1	100m	20n	200m	200m	100n	40	500m	-55	150	D002	T091
7	MC1106F	ARR	8-1	CA	300m	25	50	1.1	100m	20n	200m	200m	100n	40	500m	-55	125	D003	T091
8	MC1107F	ARR	8-2	CKA	300m	25	50	1.1	100m	20n	200m	200m	100n	40	500m	-55	150	D004	T091
9	MC1103L	ARR	16-1	CKA	400m	25	50	1.1	100m	20n	200m	200m	100n	40	600m	-55	150	D001	T0116
10	MC1103P	ARR	16-1	CKA	400m	25	50	1.1	100m	20n	200m	200m	100n	40	600m	-55	125	D001	T0116
11	MC1105L	ARR	8-1	CK	400m	25	50	1.1	100m	20n	200m	200m	100n	40	600m	-55	150	D002a	T0116
12	MC1105P	ARR	8-1	CK	400m	25	50	1.1	100m	20n	200m	200m	100n	40	600m	-55	125	D002	T0116
13	MC1106L	ARR	8-1	CA	400m	25	50	1.1	100m	20n	200m	200m	100n	40	600m	-55	125	D003a	T0116
14	MC1106P	ARR	8-1	CA	400m	25	50	1.1	100m	20n	200m	200m	100n	40	600m	-55	125	D003a	T0116
15	MC1107L	ARR	8-2	CKA	400m	25	50	1.1	100m	20n	200m	200m	100n	40	600m	-55	150	D004	T0116
16	MC1107P	ARR	8-2	CKA	400m	25	50	1.1	100m	20n	200m	200m	100n	40	600m	-55	125	D004	T0116
17 #	1F911N	ARR	8-2	CKA	500m	25 A	50	1.4	500m	10n	10m	10m	500n	50	560m	-65	175	D004	T088
18 #	1F911NA	ARR	8-2	CKA	500m	25 A	50	1.4	500m	10n	10m	10m	500n	50	560m	-65	175	D004	T088
19 #	1F918M	ARR	16-1	CKA	500m	25 A	50	1.4	500m	10n	10m	10m	200n	40	400m	-65	175	D001	T091
20 #	1F941M	ARR	8-2	CKA	500m	25 A	50	1.4	500m	10n	10m	10m	200n	40	400m	-65	175	D004	T0116
21 #	1F941N	ARR	8-2	CKA	500m	25 A	50	1.4	500m	10n	10m	10m	500n	50	560m	-65	175	D004	T0116
22 #	1F941NAA	ARR	8-2	CKA	500m	25 A	50	1.4	500m	7.0n	10m	10m	500n	50	520m	-65	175	D004	T0116
23 #	1F943M	ARR	16-1	CKA	500m	25 A	50	1.4	500m	10n	10m	10m	200n	40	400m	-65	175	D001a	T0116
24 #	1F943N	ARR	16-1	CKA	500m	25 A	50	1.4	500m	10n	10m	10m	500n	50	560m	-65	175	D001a	T0116
25 #	1F947NA	ARR	4-2	CA	500m	25 A	50	1.4	500m	10n	10m	10m	500n	50	560m	-65	175	D009c	T0116

3. TRANSISTOR ARRAYS

IN ORDER OF: (1) TRANSISTORS/DEV (2) MAX. I_c
(3) MAX. V_{CEO} (4) MIN. h_{FE} (5) TYPE No.

LINE No.	TYPE No.	ARRAY CONFIGURATION				PRO-CESS	POLAR. and MATER.	2 MAX. I _c (A)	3 MAX. V _{CEO} (V)	4 MINIMUM h _{FE}	MINIMUM		DYNAMIC CHARACTS.		MAX. TOTAL PKG. DISS. (W)	TEMP.		DRAWINGS	
		1 TRAN PER DEV	BASIC CKT. CONN	SPECIAL CKT No. FEA	SPECIAL CKT						@ I _c (A)	@ V _{CE} (V)	MIN. f _T (Hz)	MAX. t _{ON} (S)		LOW °C	HI °C	LOGIC DWG. No	OUTLINE DWG. No Δ=MO
1#	SPQ6501	4	IND			DCM	NSi	30	20	300m	10	200M	30n	1.2	-55	150	TO01a	TO116	
2#	SPQ6002	4	IND			DCM	PSi	30	30	300m	10	200M	30n	1.2	-55	150	TO01a	TO116	
3#	SPQ6502	4	IND			DCM	NSi	30	30	300m	10	200M	30n	1.2	-55	150	TO01	TO116	
4#	SPQ918	4	IND			DCM	NSi	50m	15	20	3.0m	1.0	600M	900m	-55	150	TO01	TO116	
5#	SPQ2483	4	IND			DCM	NSi	50m	40	150	10m	5.0	50M	900m	-55	150	TO01	TO116	
6#	SPQ2484	4	IND			DCM	NSi	50m	40	300	10m	5.0	50M	900m	-55	150	TO01	TO116	
7	IT401AJE	4	IND	VAR		MON	NSi	70m	30				50n				TO033	M200am	
8	IT401JE	4	IND	VAR		MON	NSi	70m	30				50n				TO033	M200am	
9#	SPQ6001	4	IND			DCM	PSi	500m	30	20	300m	10	200M	30n	1.2	-55	150	TO01a	TO116
10#	DN807	4	IND				N	600m	30	30	30m	1.0	100kt	40n	600m	0	75	TO025	M257g
11	CA3715G	4	IND			MON	N	1.0	50	35	100m	1.0		40n	2.0	-55	125	TO014	M□
12#	FT5749M	5	CE			MON	NSi	250m	40	150	10m	1.0	300M	300m	150		TO018	TO116	
13#	FT5746M	5	CE			MON	NSi	500m	250	15	150m	5.0	80M	200n	400m	150		TO018	TO116
14#	FT5747M	5	CE			MON	PSi	500m	250	15	150m	5.0	80M	200n	400m	150		TO018a	TO116
15	ULN2031B	7	DAR	MPR		MOS	N,Si	80m	16	500 *	20m	2.0		750m	0	85	TOO-21	M655	
16	ULN2014R	14	DAR			MOS	NSi	600m						2.0	0	70	TOO-20	M655	

DIGITAL

4. BINARY/FLIP-FLOPS

IN ORDER OF: (1)TYPE FLIP-FLOP (2)LOGIC TYPE (3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	TYPE No.	TYPE OF FLIP-FLOP	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME (tr)		MAX. FALL TIME (tf)		TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					LEVEL	TYPE	IN	OUT	NEG (V)	POS (V)	RISE		FALL	LOW	HI	LOGIC DWG. No			OUTLINE DWG. No Δ = MO				
																				'1' (V)		'0' (V)	2
1	G225		1.0M	PCB	-6.0	0.0	10	10	12	6.0	250n	100n	300n	900m	2.0	-55	71	4			CB16		
2	GA225		1.0M	PCB	-6.0	0.0	10	10	12	6.0	250n	100n	300n	900m	2.0	-55	71	4			CB16		
3	CM7653		400k	3DM	-6.5	0.0			18	6.0												M37	
4	PM6993		800k	3DM	-6.5	0.0			18	6.0												ZB37	
5	PM7943		800k	3DM	-6.5	0.0			18	6.0												ZB37	
6	PM6983		2.0M	3DM	-6.5	0.0			18	6.0												ZB37	
7	CM8623		50k	3DM	10	0.0			10	30												M37	
8	SN1592		10M		2.5	.40	DTL	10	7	0.0	5.5	30n				20m	750m	0	70	1		TO84	
9	SN1592P		10M		2.5	.40	DTL	10	7	0.0	5.5	30n				20m	750m	0	70	1		M63	
10	G321		100k	PCB	-6.0	0.0	RCT		3	12	6.0	800n	600n	1.4u	1.3	1.0 *	-55	71	4			CB16	
11	GA321		100k	PCB	-6.0	0.0	RCT		3	12	6.0	800n	600n	1.4u	1.3	1.0 *	-55	71	4			CB16	
12	FFD04		25k	3DM	0.0	6.0	RTL	1	4	12	12	200n	2.0u	500n	125m	1.0	0	65	1				
13	NB1005		20M		.82	.57	RTL	3	51	2.7	3.3	20n	40n	40n	64n	540m	-55	125	1		B03101	CN29	
14	NB2005		20M		.82	.57	RTL	3	51	2.7	3.3	20n	40n	40n	64m	540m	0	100	1		B03101	CN29	
15	NB3005		20M		.82	.57	RTL	3	51	2.7	3.3	20n	40n	40n	64m	540m	15	55	1		B03101	CN29	
16	NB1002		30M		.82	.57	RTL	2	41	2.7	3.3	13n	20n	30n	28m	540m	-55	125	1		B0352	CN29	
17	NB2002		30M		.82	.57	RTL	2	41	2.7	3.3	13n	20n	30n	28m	540m	0	100	1		B0352	CN29	
18	NB3002		30M		.82	.57	RTL	2	41	2.7	3.3	13n	20n	30n	28m	540m	15	55	1		B0352	CN29	
19#	H110	2	1.0M1%	MON				4	25							480m	0	75	2			M157	
20#	H111	2	1.0M1%	MON				5	25							480m	0	75	2			M105e	
21	9926-2-3F	2	2.0M%	MON				3	11	4.0	12					500mΔ	0	100	1		B0262		
22	9926-2-5F	2	2.0M%	MON				3	11	4.0	12					500mΔ	0	100	1		B0262	TO100	
23	IF6H	2	5.0M	MOH	0.0	5.0		5	12	0.0	5.0	225nΔ				650m	1.1 Δ	0	100	6		CB7	
24	IF6M	2	5.0M	MOH	0.0	5.0		5	12	0.0	5.0	225nΔ				650m	1.1 Δ	0	70	6		CB7	
25	LU320	2			2.7%	.80*		5	12	0.0	4.5	65n%				90m	0	55	1			CN17	
26	6F100G	2	35M	MON	3.3	.26		4	151	0			1.0nt	1.7nt	50m	900m	-55	125	2			TO84	
27	6F100K	2	35M	MON	3.3	.26		4	151	0			1.0nt	1.7nt	50m	900m	-55	125	2			TO116	
28	6F101G	2	35M	MON	3.3	.26		4	71	0			1.0nt	1.7nt	50m	900m	-55	125	2			TO84	
29	6F101K	2	35M	MON	3.3	.26		4	71	0			1.0nt	1.7nt	50m	900m	-55	125	2			TO116	
30	6F102D	2	35M	MON	3.3	.26		4	121	0			1.0nt	1.7nt	60m	900m	0	75	2			TO116	
31	6F102G	2	35M	MON	3.3	.26		4	121	0			1.0nt	1.7nt	60m	900m	0	75	2			TO84	
32	6F103D	2	35M	MON	3.3	.26		4	61	0			1.0nt	1.7nt	60m	900m	0	75	2			TO116	
33	6F103G	2	35M	MON	3.3	.26		4	61	0			1.0nt	1.7nt	60m	900m	0	75	2			TO84	
34	6F110G	2	35M	MON	3.3	.26		5	151	0			1.0nt	1.7nt	50m	900m	-55	125	2			TO84	
35	6F110K	2	35M	MON	3.3	.26		5	151	0			1.0nt	1.7nt	50m	900m	-55	125	2			TO116	
36	6F111G	2	35M	MON	3.3	.26		5	71	0			1.0nt	1.7nt	50m	900m	-55	125	2			TO84	
37	6F111K	2	35M	MON	3.3	.26		5	71	0			1.0nt	1.7nt	50m	900m	-55	125	2			TO116	
38	6F112D	2	35M	MON	3.3	.26		5	121	0			1.0nt	1.7nt	60m	900m	0	75	2			TO116	
39	6F112G	2	35M	MON	3.3	.26		5	121	0			1.0nt	1.7nt	60m	900m	0	75	2			TO84	
40	6F113D	2	35M	MON	3.3	.26		5	61	0			1.0nt	1.7nt	60m	900m	0	75	2			TO116	
41	6F113G	2	35M	MON	3.3	.26		5	61	0			1.0nt	1.7nt	60m	900m	0	75	2			TO84	
42	SF100	2	35M	MON	3.3	.26		4	151	0			1.0nt	1.7nt	50m	900m	-55	125	2			ZB100	
43	SF101	2	35M	MON	3.3	.26		4	71	0			1.0nt	1.7nt	50m	900m	-55	125	2			ZB100	
44	SF102	2	35M	MON	3.3	.26		4	121	0			1.0nt	1.7nt	60m	900m	0	75	2			ZB100	
45	SF103	2	35M	MON	3.3	.26		4	61	0			1.0nt	1.7nt	60m	900m	0	75	2			ZB100	
46	SF110	2	35M	MON	3.3	.26		5	151	0			1.0nt	1.7nt	50m	900m	-55	125	2			ZB100	
47	SF111	2	35M	MON	3.3	.26		5	71	0			1.0nt	1.7nt	50m	900m	-55	125	2			ZB100	
48	SF112	2	35M	MON	3.3	.26		5	121	0			1.0nt	1.7nt	60m	900m	0	75	2			ZB100	
49	SF113	2	35M	MON	3.3	.26		5	61	0			1.0nt	1.7nt	60m	900m	0	75	2			ZB100	
50	6F120G	2	50M	MON	3.3	.26		4	151	0			1.0nt	1.7nt	50m	900m	-55	125	2			TO84	
51	6F120K	2	50M	MON	3.3	.26		4	151	0			1.0nt	1.7nt	50m	900m	-55	125	2			TO116	
52	6F121G	2	50M	MON	3.3	.26		4	71	0			1.0nt	1.7nt	50m	900m	-55	125	2			TO84	
53	6F121K	2	50M	MON	3.3	.26		4	71	0			1.0nt	1.7nt	50m	900m	-55	125	2			TO116	
54	6F122D	2	50M	MON	3.3	.26		4	121	0			1.0nt	1.7nt	60m	900m	0	75	2			TO116	
55	6F122G	2	50M	MON	3.3	.26		4	121	0			1.0nt	1.7nt	60m	900m	0	75	2			TO84	
56	6F123D	2	50M	MON	3.3	.26		4	61	0			1.0nt	1.7nt	60m	900m	0	75	2			TO116	
57	6F123G	2	50M	MON	3.3	.26		4	61	0			1.0nt	1.7nt	60m	900m	0	75	2			TO84	
58	6F130G	2	50M	MON	3.3	.26		5	151	0			1.0nt	1.7nt	50m	900m	-55	125	2			TO84	
59	6F130K	2	50M	MON	3.3	.26		5	151	0			1.0nt	1.7nt	50m	900m	-55	125	2			TO116	
60	6F131G	2	50M	MON	3.3	.26		5	71	0			1.0nt	1.7nt	50m	900m	-55	125	2			TO84	
61	6F131K	2	50M	MON	3.3	.26		5	71	0			1.0nt	1.7nt	50m	900m	-55	125	2			TO116	
62	6F132D	2	50M	MON	3.3	.26		5	121	0			1.0nt	1.7nt	60m	900m	0	75	2			TO116	
63	6F132G	2	50M	MON	3.3	.26		5	121	0			1.0nt	1.7nt	60m	900m	0	75	2			TO84	
64	6F133D	2	50M	MON	3.3	.26		5	61	0			1.0nt	1.7nt	60m	900m	0	75	2			TO116	
65	6F133G	2	50M	MON	3.3	.26		5	61	0			1.0nt	1.7nt	60m	900m	0	75	2			TO84	
66	SF120	2	50M	MON	3.3	.26		4	151	0			1.0nt	1.7nt	50m	900m	-55	125	2			ZB100	
67	SF121	2	50M	MON	3.3	.26		4	71	0			1.0nt	1.7nt	50m	900m	-55	125	2			ZB100	
68	SF122	2	50M	MON	3.3	.26		4	121	0			1.0nt	1.7nt	60m	900m	0	75	2			ZB100	
69	SF123	2	50M	MON	3.3	.26		4	61	0			1.0nt	1.7nt	60m	900m	0	75	2			ZB100	
70	SF130	2	50M	MON	3.3	.26		5	151	0			1.0nt	1.7nt	50m	900m	-55	125	2			ZB100	
71	SF131	2	50M	MON	3.3	.26		5	71	0			1.0nt	1.7nt	50m	900m	-55	125	2			ZB100	
72	SF132	2	50M	MON	3.3	.26		5	121	0			1.0nt	1.7nt	60m	900m	0	75	2			ZB100	
73	SF133	2	50M	MON	3.3	.26		5	61	0			1.0nt	1.7nt	60m	900m	0	75	2			ZB100	
74	F50	2	5.0M	PCB	5.0	.30*		5	5	0.0	5	25n	75n	40n	300m	1.0 *	0	70	5				
75	INS4027S	2	14MΔ</																				

4. BINARY/FLIP-FLOPS

IN ORDER OF: (1)TYPE FLIP-FLOP (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN IN		POWER SUPPLY SPAN		PROPA-GATION DELAY (s)	MAX. RISE TIME		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					3	4	2	IN	OUT MAX.	NEG (V)	POS (V)		tr (s)	tf (s)			LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=MO
1	HD1-4027A9	2	8.0M%Δ	MOS	9.99%	.01*	CMS		0.0	10	150nΔ	5.0u	5.0u	200u%	4.5 Δ	-40	85	2	B02247	M200q	
2	HD9-4027A2	2	8.0M%Δ	MOS	9.99%	.01*	CMS		0.0	10	110nΔ	5.0u	5.0u	200u%	4.5 Δ	-55	125	2	B02247	FP103	
3	HD9-4027A9	2	8.0M%Δ	MOS	9.99%	.01*	CMS		0.0	10	150nΔ	5.0u	5.0u	200u%	4.5 Δ	-40	85	2	B02247	FP103	
4	CD4027AK	2	8.0M%Δ	MOS	10	0.0†	CMS	4	50	0.0	10	110nΔ	20uΔ	5.0uΔ	200u%	4.5 Δ	-55	125	2	B02295	Δ004AG
5	MIC300-1A	2					CTL	6	10	0.0	4.0	45n		27m	200m	-55	125	1		TO89	
6	MIC300-1B	2					CTL	6	10	0.0	4.0	45n		27m	200m	-55	125	1		TO86	
7	MIC300-1C	2					CTL	6	10	0.0	4.0	45n		27m	200m	-55	125	1		CN17	
8	MIC300-2A	2					CTL	6	10	0.0	4.0	45n		27m	200m	0	100	1		TO89	
9	MIC300-2B	2					CTL	6	10	0.0	4.0	45n		27m	200m	0	100	1		TO86	
10	MIC300-2C	2					CTL	6	10	0.0	4.0	45n		27m	200m	0	100	1		CN17	
11	MIC300-3A	2					CTL	6	10	0.0	4.0	45n		27m	200m	15	55	1		TO89	
12	MIC300-3B	2					CTL	6	10	0.0	4.0	45n		27m	200m	15	55	1		TO86	
13	MIC300-3C	2					CTL	6	10	0.0	4.0	45n		27m	200m	15	55	1		CN17	
14	CTuL967	2	35M	MON	2.5	-.05	CTL	6	12	2.0	4.5	30n		500m	500m	15	55	1		M54	
15	CTuL957	2	30M	MON	2.5	-.50	CTL	6	10	2.0	4.5	5.0n	15n	85m	500m	-15	55	1		M54	
16	1264JK	2		MON			DTL	6	10		8.0	20n				-55	125	1	B0223	CN41	
17	2264JK	2		MON			DTL	6	10		8.0	20n				-55	125	1	B0223	FP19a	
18#	MIC311-1D	2		MON			DTL	10	5	0.0	12					-55	125	1	B02148	M200d	
19#	MIC311-1D1	2		MON			DTL	10	5	0.0	15					-55	125	1	B02148	M200d	
20#	MIC311-5D	2		MON			DTL	10	5	0.0	12					-30	85	1	B02148	M200d	
21#	MIC311-5D1	2		MON			DTL	10	5	0.0	15					-30	70	1	B02148	M200d	
22#	MIC312-1D	2		MON			DTL			0.0	12					-55	125	2		M153a	
23#	MIC312-1D1	2		MON			DTL			0.0	15					-55	125	2		M153a	
24#	MIC312-5D	2		MON			DTL			0.0	12					-30	85	2		M153a	
25#	MIC312-5D1	2		MON			DTL			0.0	15					-30	85	2		M153a	
26#	SFC763E	2		MON			DTL	3	9	0	15	120n		500m	5.0	0	70	2	B038u	TO116	
27	WC245D	2		MON			DTL	2†	6†	0	6	90n		180m	600m	0	75	2		TO116	
28	WC255D	2	5.0M%	MON			DTL	1	6†	0	6	90n		180m	600m	0	75	2		TO116	
29	WC265D	2	5.0M%	MON			DTL	1	6†	0	6	90n		180m	600m	0	75	2		TO116	
30	WCT245D	2	5.0M%	MON			DTL		4	0	12	100n		360m†		0	75	2		TO116	
31	WCT255D	2	5.0M%	MON			DTL		4	0	12	100n		360m†		0	75	2		TO116	
32	WCT265D	2	5.0M%	MON			DTL		4	0	12	100n		360m†		0	75	2		TO116	
33	WM215G	2	5.0MΔ	MON			DTL	8	9†	0	8	80n		56m	550m*	-55	125	1	B0266	TO84	
34	WM215Q	2	5.0MΔ	MON			DTL	8	9†	0	8	80n		56m	550m*	-55	125	1	B0266	TO91	
35	WM215T	2	5.0MΔ	MON			DTL	8	9†	0	8	80n		56m	550m*	-55	125	1	B0266	CN18	
36	WM245K	2	5.0M	MON			DTL	2†	6†	0	8	90n		180m	550m	-55	125	2		TO116	
37	WM245Q	2	5.0M	MON			DTL	2†	6†	0	6	90n		180m	550m	-55	125	2		TO86	
38	WM255K	2	5.0M	MON			DTL	1	6†	0	8	90n		180m	550m	-55	125	2		TO116	
39	WM255Q	2	5.0M	MON			DTL	1	6†	0	6	90n		180m	550m	-55	125	2		TO86	
40	WM265K	2	5.0M	MON			DTL	1	6†	0	8	90n		180m	550m	-55	125	2		TO116	
41	WM265Q	2	5.0M	MON			DTL	1	6†	0	6	90n		180m	550m	-55	125	2		TO86	
42	B200	2	10M	PCB			DTL	9		15	10	30n	35n	150m		-20	65	1	B0263	CB31	
43	HBH25121	2	10M	MOH			DTL	4		0.0	8.0			500m		-55	125	2	B02150	FP28	
44	HBH25129	2	10M	MOH			DTL	4		0.0	8.0			100m		-55	125	2	B02150	FP28	
45#	SFC323M	2	10M	MON			DTL	2	10			25n		10m†	450m	-55	125	1	B0290	TO100	
46#	SFC323PM	2	10M	MON			DTL	2	10			25n		10m†	450m	-55	125	1	B0290	TO91	
47	CL837	2	15M†	PCM			DTL	4	12	0.0	5.0	50n		280m		0	75	4	B0291c	CB7	
48	CL841	2	15M†	PCM			DTL	5	12	0.0	5.0	50n		280m		0	75	4	B02229	CB7	
49	CL838	2	18M†	PCM			DTL	4	11	0.0	5.0	40n		340m		0	75	4	B0291c	CB7	
50	CL842	2	18M†	PCM			DTL	5	11	0.0	5.0	40n		340m		0	75	4	B02229	CB7	
51	9926FC	2	20MΔ	MON			DTL	3	11	4.0	12			500mΔ		0	70	1	B0262	FP28b	
52	WM503G	2	20M	MON			DTL	3	10	0.0	8.0			47m	750m*	-55	125	1	B0214	TO84	
53	RF3120K	2	75M†	MON			DTL	3	11	0	5			110m†	1.1	-55	125	2		FP21b	
54	RF3120P	2	75M†	MON			DTL	3	11	0	5			110m†	1.1	-55	125	2		M105k	
55	RF3122K	2	75M†	MON			DTL	3	9	0	5			110m†	1.1	0	75	2		FP21b	
56	RF3122P	2	75M†	MON			DTL	3	9	0	5			110m†	1.1	0	75	2		M105k	
57	RF3200P	2	75M†	MON			DTL	8	11	0	5			55m†	1.1	-55	125	1		M105k	
58	RF3202P	2	75M†	MON			DTL	8	9	0	5			55m†	1.1	0	75	1		M105k	
59	RF3210P	2	75M†	MON			DTL	8	11	0	5			55m†	1.1	-55	125	1		M105k	
60	RF3212P	2	75M†	MON			DTL	8	9	0	5			55m†	1.1	0	75	1		M105k	
61	IF6L	2	5.0M	PCB	0.0	5.5	DTL	5	17	0	5.5			540m		0	55	6	B038p	CB7	
62	IF6S	2	5.0M	PCB	0.0	5.5	DTL	5	17	0	5.5			540m		-40	85	6	B038p	CB7	
63#	ZSF111B	2		MON	20	4.0	DTL	4	6	0.0	5.0			19m		-55	125	1		CN2	
64#	ZSF111CT	2		MON	20	4.0	DTL	4	6	0.0	5.0			19m		-55	125	1			
65#	ZSF131B	2		MON	20	4.0	DTL	4	6	0.0	5.0			19m		0	70	1			
66#	ZSF131CT	2		MON	20	4.0	DTL	4	6	0.0	5.0			19m		0	70	1			
67#	ZSD92B	2	10MΔ	MON	40	3.2†	DTL	4	12	0.0	5.0	45n	10n	30n	250m	1.0 Δ	-55	125	2	B02117	TO88
68#	ZSD142B	2	10MΔ	MON	40	3.2†	DTL	4	12	0.0	5.0	15n	10n	30n	250m	1.0 Δ	0	70	2	B02117	TO88
69#	ZSD152B	2	10MΔ	MON	40	3.2†	DTL	4	12	0.0	5.0	15n	10n	30n	250m	1.0 Δ	0	70	2	B02117	TO88
70#	ZSF71B	2	10MΔ	MON	40	3.2	DTL	8	12	0.0	5.0	30n	10n	30n	125m	1.0 Δ	-55	125	1	B0298	TO88
71#	ZSF72B	2	10MΔ	MON	40	3.2	DTL	8	12	0.0	5.0	45n	10n	30n	250m	1.0 Δ	-55	125	2	B02117	TO88
72#	ZSF91B	2	10MΔ	MON	40	3.2	DTL	8	12	0.0	5.0	30n	10n	30n	125m	1.0 Δ	0	70	1	B0298	TO88
73#	ZSF141B	2	10MΔ	MON	40	3.2†	DTL	8	12	0.0	5.0	15n	10n	30n	125m	1.0 Δ	-55	125	1	B0298	TO88
74#	ZSF151B	2	10MΔ	MON	40	3.2†	DTL	8	12	0.0	5.0	15n	10n	30n	125m	1.0 Δ	0	70	1	B0298	TO88
75#	ZXD202B	2	10MΔ	MON	40	3.2†	DTL	4	12	0.0	5.0	45n	10n	30n	250m	1.0 Δ	-55	125	2	B02117	M105
76#	ZXD211B	2	10MΔ	MON	40	3.2†	DTL	4	12	0.0	5.0	15n	10n	30n	250m	1.0 Δ	-55	125	2	B02117	M105
77#	ZXD222B	2	10MΔ	MON	40	3.2†	DTL	4	12	0.0	5.0	45n	10n	30n	250m	1.0 Δ	0	70	1	B0298	M105
78#	ZXD231B	2	10MΔ	MON	40	3.2†	DTL	4	12	0.0	5.0	15n	10n	30n	250m	1.0 Δ	0	70	1	B02141	M126
79#	ZXF201B	2	10MΔ	MON	40	3.2	DTL	8	12	0.0	5.0	45n	10n	30n</							

4. BINARY/FLIP-FLOPS

IN ORDER OF: (1)TYPE FLIP-FLOP (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF FLIP-FLOP	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL			FAN IN	OUT MAX.	POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME		MAX. FALL TIME (s)	TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					3	4	2			NEG (V)	POS (V)		tr (s)	tf (s)				LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=MO
1#	MIC9093XR3D	2	5.0M	MON	1.9%	1.1*	DTL	4	10	0.0	5.0	75nΔ			140mΔ	650m	-40	85	2	B02190	M294b	
2#	MIC9093XR6D	2	5.0M	MON	1.9%	1.1*	DTL	4	10	0.0	5.0	75nΔ			140mΔ	650m	-20	75	2	B02190	M294b	
3#	MIC9093XR7D	2	5.0M	MON	1.9%	1.1*	DTL	4	10	0.0	5.0	75nΔ			150mΔ	650m	0	75	2	B02190	M294b	
4#	MIC9094-1B	2	5.0M	MON	1.9%	1.1*	DTL	4	9	0	5.5	65nΔ			81m	350m*	-55	125	2		FP32	
5#	MIC9094-1D	2	5.0M	MON	1.9%	1.1*	DTL	4	8	0.0	5.5	65nΔ			162m	350m*	-55	125	2	B02302	M313b	
6#	MIC9094-5B	2	5.0M	MON	1.9%	1.1*	DTL	4	11	0	5.0	65nΔ			87m	350m*	0	75	2		FP32	
7#	MIC9094-5D	2	5.0M	MON	1.9%	1.1*	DTL	4	10	0.0	5.0	65nΔ			175m	350m*	0	75	2	B02302	M313b	
8#	MIC9094X1D	2	5.0M	MON	1.9%	1.1*	DTL	4	10	0.0	5.0	75nΔ			162mΔ	650m	-55	125	2	B02190	M294b	
9#	MIC9094X5D	2	5.0M	MON	1.9%	1.1*	DTL	4	10	0.0	5.0	75nΔ			175mΔ	650m	0	75	2	B02190	M294b	
10#	MIC9094XR3D	2	5.0M	MON	1.9%	1.1*	DTL	4	10	0.0	5.0	75nΔ			162mΔ	650m	-40	85	2	B02190	M294b	
11#	MIC9094XR6D	2	5.0M	MON	1.9%	1.1*	DTL	4	10	0.0	5.0	75nΔ			162mΔ	650m	-20	75	2	B02190	M294b	
12#	MIC9094XR7D	2	5.0M	MON	1.9%	1.1*	DTL	4	10	0.0	5.0	75nΔ			175mΔ	650m	0	75	2	B02190	M294b	
13#	MIC9097-1B	2	5.0M	MON	1.9%	1.1*	DTL	5	9	0	5.5	65nΔ			81m	350m*	-55	125	2	B02191	FP32	
14#	MIC9097-1D	2	5.0M	MON	1.9%	1.1*	DTL	5	8	0.0	5.5	65nΔ			162m	350m*	-55	125	2	B02302a	M313b	
15#	MIC9097-5B	2	5.0M	MON	1.9%	1.1*	DTL	5	11	0	5.0	65nΔ			87m	350m*	0	75	2	B02191	FP32	
16#	MIC9097-5D	2	5.0M	MON	1.9%	1.1*	DTL	5	10	0.0	5.0	65nΔ			175m	350m*	0	75	2	B02302a	M313b	
17#	MIC9097X1D	2	5.0M	MON	1.9%	1.1*	DTL	5	10	0.0	5.0	75nΔ			162mΔ	650m	-55	125	2	B02191	M294b	
18#	MIC9097X5D	2	5.0M	MON	1.9%	1.1*	DTL	5	10	0.0	5.0	75nΔ			162mΔ	650m	0	75	2	B02191	M294b	
19#	MIC9097XR3D	2	5.0M	MON	1.9%	1.1*	DTL	5	10	0.0	5.0	75nΔ			162mΔ	650m	-40	85	2	B02191	M294b	
20#	MIC9097XR6D	2	5.0M	MON	1.9%	1.1*	DTL	5	10	0.0	5.0	75nΔ			162mΔ	650m	-20	75	2	B02191	M294b	
21#	MIC9097XR7D	2	5.0M	MON	1.9%	1.1*	DTL	5	10	0.0	5.0	75nΔ			175mΔ	650m	0	75	2	B02191	M294b	
22#	MIC9099-1B	2	5.0M	MON	1.9%	1.1*	DTL	5	10	0	5.5	75nΔ			70m	350m*	-55	125	2		FP32	
23#	MIC9099-1D	2	5.0M	MON	1.9%	1.1*	DTL	5	9	0	5.5	75nΔ			140m	350m*	-55	125	2	B02302a	M313b	
24#	MIC9099-5B	2	5.0M	MON	1.9%	1.1*	DTL	5	12	0	5.0	75nΔ			75m	350m*	0	75	2		FP32	
25#	MIC9099-5D	2	5.0M	MON	1.9%	1.1*	DTL	5	11	0	5.0	75nΔ			150m	350m*	0	75	2	B02302a	M313b	
26#	MIC9099R3D	2	5.0M	MON	1.9%	1.1*	DTL	5	10	0.0	5.0	75nΔ			140mΔ	650m	-40	85	2	B02191	M294b	
27#	MIC9099R6D	2	5.0M	MON	1.9%	1.1*	DTL	5	10	0.0	5.0	75nΔ			140mΔ	650m	-20	75	2	B02191	M294b	
28#	MIC9099R7D	2	5.0M	MON	1.9%	1.1*	DTL	5	10	0.0	5.0	75nΔ			150mΔ	650m	0	75	2	B02191	M294b	
29#	MIC9099X1D	2	5.0M	MON	1.9%	1.1*	DTL	5	10	0.0	5.0	75nΔ			140mΔ	650m	-55	125	2	B02191	M294b	
30#	MIC9099X5D	2	5.0M	MON	1.9%	1.1*	DTL	5	12	0.0	5.0	75nΔ			150mΔ	650m	0	75	2	B02191	M294b	
31#	MIC9099XR3D	2	5.0M	MON	1.9%	1.1*	DTL	5	11	0.0	5.0	75nΔ			140mΔ	650m	-40	85	2	B02191	M294b	
32#	MIC9099XR6D	2	5.0M	MON	1.9%	1.1*	DTL	5	11	0.0	5.0	75nΔ			140mΔ	650m	-20	75	2	B02191	M294b	
33#	MIC9099XR7D	2	5.0M	MON	1.9%	1.1*	DTL	5	11	0.0	5.0	75nΔ			150mΔ	650m	0	75	2	B02191	M294b	
34#	RM215Q	2	5.0M	PCB	2.0%	.30	DTL	8	9†	0.0	8.0	50nΔ			56m	1.0 Δ	-55	125	1	B0255	FP46	
35#	USN7470A	2	20M	MON	2.0%	.80*	DTL	9	10	0	7	50nΔ			10m	1.0 Δ	0	70	1	B022	TO116	
36#	USN7470J	2	20M	MON	2.0%	.80*	DTL	9	10	0	7	50nΔ			10m	1.0 Δ	0	70	1	B022	TO88	
37#	USS5470A	2	20M	MON	2.0%	.80*	DTL	9	10	0	7	50nΔ			10m	1.0 Δ	-55	125	1	B022	TO116	
38#	USS5470J	2	20M	MON	2.0%	.80*	DTL	9	10	0	7	50nΔ			10m	1.0 Δ	-55	125	1	B022	TO88	
39#	D4002	2	5.0M	PCB	2.0%	.95*	DTL	2	11	0	5	90nΔ			500m	1.0 Δ	0	75	8			
40#	D4003	2	5.0M	PCB	2.0%	.95*	DTL	1	10	0	5	60nΔ			350m	1.0 Δ	0	75	8			
41#	D4202A	2	10M	PCB	2.0%	.95*	DTL	2	9	0.0	5.0	30n%	10n†	10n	425m	1.0	0	75	2		CB□	
42#	RC993P	2		MON	2.0%	1.0*	DTL	4	12	0	5.0	40n			280m†	500m	0	75	2		M105k	
43#	RC994P	2		MON	2.0%	1.0*	DTL	4	12	0	5.0	35n			324m†	500m	0	75	2		M105k	
44#	RC997P	2		MON	2.0%	1.0*	DTL	4	12	0	5.0	35n			324m†	500m	0	75	2		M105k	
45#	RC999P	2		MON	2.0%	1.0*	DTL	4	12	0	5.0	40n			280m†	500m	0	75	2		M105k	
46#	RM993P	2		MON	2.0%	1.0*	DTL	4	12	0	5.0	40n			280m†	500m	-55	125	2		M105k	
47#	RM994P	2		MON	2.0%	1.0*	DTL	4	12	0	5.0	35n			324m†	500m	-55	125	2		M105k	
48#	RM997P	2		MON	2.0%	1.0*	DTL	4	12	0	5.0	35n			324m†	500m	-55	125	2		M105k	
49#	RM999P	2		MON	2.0%	1.0*	DTL	4	12	0	5.0	40n			280m†	500m	-55	125	2		M105k	
50#	RC215D	2	5.0M†	MON	2.0%	1.0*	DTL	8	15	0	6.0	60n			55m†	550m	0	75	1	B0255	M105k	
51#	RC215G	2	5.0M†	MON	2.0%	1.0*	DTL	8	15	0	6.0	60n			55m†	550m	0	75	1	B0255	TO84	
52#	RC215P	2	5.0M†	MON	2.0%	1.0*	DTL	8	15	0	6.0	60n			55m†	550m	0	75	1	B0255	M105m	
53#	RC215T	2	5.0M†	MON	2.0%	1.0*	DTL	8	15	0	6.0	60n			55m†	550m	0	75	1	B0255	TO101	
54#	RM215D	2	5.0M†	MON	2.0%	1.0*	DTL	8	15	0	6.0	60n			55m†	550m	-55	125	1	B0255	M105k	
55#	RM215G	2	5.0M†	MON	2.0%	1.0*	DTL	8	15	0	6.0	60n			55m†	550m	-55	125	1	B0255	TO84	
56#	RM215P	2	5.0M†	MON	2.0%	1.0*	DTL	8	15	0	6.0	60n			55m†	550m	-55	125	1	B0255	M105m	
57#	RM215T	2	5.0M†	MON	2.0%	1.0*	DTL	8	15	0	6.0	60n			55m†	550m	-55	125	1	B0255	TO101	
58#	RC225D	2	14M†	MON	2.0%	1.0*	DTL	8	10	0	6.0	60n			55m†	550m	0	75	1	B0267a	M105m	
59#	RC225G	2	14M†	MON	2.0%	1.0*	DTL	8	10†	0.0	6.0	60n			35m	550m*	0	75	1	B0267a	FP21e	
60#	RC225P	2	14M†	MON	2.0%	1.0*	DTL	8	10	0	6.0	60n			55m†	550m	0	75	1	B0267a	M105k	
61#	RC225T	2	14M†	MON	2.0%	1.0*	DTL	8	10†	0.0	6.0	60n			35m	550m*	0	75	1	B0267a	CN18	
62#	RM225D	2	14M†	MON	2.0%	1.0*	DTL	8	10	0	6.0	60n			55m†	550m	-55	125	1	B0267a	M105m	
63#	RM225G	2	14M†	MON	2.0%	1.0*	DTL	8	10†	0.0	6.0	60n			35m	550m*	-55	125	1	B0267a	FP21e	
64#	RM225P	2	14M†	MON	2.0%	1.0*	DTL	8	10	0	6.0	60n			55m†	550m	-55	125	1	B0267a	M105k	
65#	RM225T	2	14M†	MON	2.0%	1.0*	DTL	8	10†	0.0	6.0	60n			35m	550m*	-55	125	1	B0267a	CN18	
66#	WM225G	2	14MΔ	MON	2.0%	1.0*	DTL	9	4	0	10	60n			55m†	550m*	-55	125	1	B0267	TO84	
67#	IFF0251	2	5.0M	PCB	2.0%	1.1*	DTL	5	10	0	5	90nΔ			250m	500m	0	75	4		CB51	
68#	IFF0256	2	5.0M	PCB	2.0%	1.1*	DTL	2	10	0	5	30nΔ			545m	500m	0	75	4		CB51	
69#	IFF2251	2	5.0M	PCB	2.0%	1.1*	DTL	5	10	0	5	90nΔ			250m	500m	0	75	4		CB51	
70#	IFF2256	2	5.0M	PCB	2.0%	1.1*	DTL	2	10	0	5	30nΔ			545m	500m	0	75	4		CB51	
71#	WC215D	2	5.0M	MON	2.1	1.0	DTL	4</														

4. BINARY/FLIP-FLOPS

IN ORDER OF: (1)TYPE FLIP-FLOP (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	6	TYPE No.	1	TYPE OF FLIP-FLOP	5	MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN OUT		POWER SUPPLY SPAN	PROPAGATION DELAY (s)	MAX.		MAX. FALL TIME (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
								3	4	2	IN	OUT MAX.			RISE TIME (s)	FALL TIME (s)				LOW	HI		LOGIC DWG. No	OUTLINE DWG. No
1		WC956D	2		2	5.0M	MON	2.6%	45	DTL	4	22	0.0	0	40n		140m	1.0	0	75	2	B02101c	M126b	
2	#	31D9093-9	2		2	5.0M	MON	2.6%	45*	DTL	4	12	0.0	5.0			100m	1.0	0	75	2	B02137	FP32	
3	#	31D9099-9	2		2	5.0M	MON	2.6%	45*	DTL	4	12	0.0	5.0			100m	1.0	0	75	2	B02101	FP32	
4	#	6AD9093-9	2		2	5.0M	MON	2.6%	45*	DTL	4	12	0.0	5.0			100m	1.0	0	75	2	B02101	TO116	
5	#	6AD9099-9	2		2	5.0M	MON	2.6%	45*	DTL	4	12	0.0	5.0			100m	1.0	0	75	2	B02101	TO116	
6	#	31D9094-9	2		2	8.0M	MON	2.6%	45*	DTL	4	11	0.0	5.0			100m	1.0	0	75	2	B02137	FP32	
7	#	31D9097-9	2		2	8.0M	MON	2.6%	45*	DTL	4	11	0.0	5.0			100m	1.0	0	75	2	B02101	FP32	
8	#	6AD9094-9	2		2	8.0M	MON	2.6%	45*	DTL	4	11	0.0	5.0			100m	1.0	0	75	2	B02137	TO116	
9	#	6AD9097-9	2		2	8.0M	MON	2.6%	45*	DTL	4	11	0.0	5.0			100m	1.0	0	75	2	B02101	TO116	
10		FJ5101	2		2	5.0M	PCB	2.6%	70*	DTL	5	8	0	5	75n		100m	1.0	0	70	6	B0241c	CB56	
11		SN530	2		2	5.0M	MON	2.7	30	DTL	6	10	0	4	60n		200m	1.0	-55	125	1	B024c	ZB5	
12		SN5300	2		2	4.0M	MON	2.7%	3*	DTL	6	20	0	7	30n	45n	40n	27m	-55	125	1	B024a	TO89	
13		SN5301	2		2	4.0M	MON	2.7%	3*	DTL	7	20	0	7	30n	45n	40n	40m	-55	125	1	B024a	TO84	
14		SN5302	2		2	4.0M	MON	2.7%	3*	DTL	4	20	0	7	30n	45n	40n	80m	-55	125	2	B024a	TO84	
15		SN5304	2		2	4.0M	MON	2.7%	3*	DTL	5	20	0	7	30n	45n	40n	80m	-55	125	2	B024b	TO84	
16		FF4	2		2	100k	3DM	2.8	20	DTL	4	18	0.0	3.0	5.0n	250n	250n	150u	400m	-20	85	1	B024b	M14
17		N8H22J	2		2	5.0M	MON	2.8	40	DTL	4	30	0	6	6n		60m	1.0	0	75	5	B024b	TO88	
18		S8H22J	2		2	5.0M	MON	2.8	40	DTL	4	30	0	6	6n		60m	1.0	0	75	5	B024b	TO88	
19		JK31	2		2	5.0M	PCB	3.0	0.0	DTL	6	30	0	4	65n	210n	100n	660m	4.0	-40	70	2	B024b	CB10a
20		JK32	2		2	5.0M	PCB	3.0	0.0	DTL	6	30	0	4	65n	210n	100n	660m	4.0	-40	75	2	B024b	CB10a
21	#	MIC9093	2		2	5.0M	MON	3.1%	40*	DTL	4	11	0.0	5.0	75n		150m	1.0	0	75	3	B02191	TO116	
22	#	MIC9094	2		2	5.0M	MON	3.1%	40*	DTL	4	10	0.0	5.0	75n		175m	1.0	0	75	3	B02191	TO116	
23	#	MIC9097	2		2	5.0M	MON	3.1%	40*	DTL	5	10	0.0	5.0	75n		175m	1.0	0	75	3	B02191	TO116	
24	#	MIC9099	2		2	5.0M	MON	3.1%	40*	DTL	5	11	0.0	5.0	75n		150m	1.0	0	75	3	B02191	TO116	
25	#	PD9093-5.1	2		2	5.0M	MON	3.1%	40*	DTL	4	20	0.0	8.0	75n		350m	1.0	55	125	2	B02102	TO116	
26	#	PD9099-5.1	2		2	5.0M	MON	3.1%	40*	DTL	5	20	0.0	8.0	75n		370m	1.0	55	125	2	B02191	TO116	
27	#	PL9093-5.1	2		2	5.0M	MON	3.1%	40*	DTL	4	20	0.0	8.0	75n		350m	1.0	55	125	2	B02102	TO86	
28	#	PL9099-5.1	2		2	5.0M	MON	3.1%	40*	DTL	5	20	0.0	8.0	75n		370m	1.0	55	125	2	B02191	TO86	
29	#	CD2315	2		2	5.0M	MON	3.1%	40*	DTL	3	12	0.0	5.0	25n	75n	75n	140m	1.0	55	125	2	B02201	FP44a
30	#	CD2315D	2		2	5.0M	MON	3.1%	40*	DTL	3	12	0.0	5.0	25n	75n	75n	140m	1.0	55	125	2	B02201	TO116
31	#	CD2317	2		2	5.0M	MON	3.1%	40*	DTL	3	12	0.0	5.0	25n	75n	75n	140m	1.0	55	125	2	B02200	FP44a
32	#	CD2317D	2		2	5.0M	MON	3.1%	40*	DTL	3	12	0.0	5.0	25n	75n	75n	140m	1.0	55	125	2	B02200	TO116
33	#	PD9093-5.9	2		2	5.0M	MON	3.1%	45*	DTL	4	20	0.0	8.0	80n		370m	1.0	0	75	2	B02102	TO116	
34	#	PD9099-5.9	2		2	5.0M	MON	3.1%	45*	DTL	5	20	0.0	8.0	80n		380m	1.0	0	75	2	B02191	TO116	
35	#	PE9093-5.9	2		2	5.0M	MON	3.1%	45*	DTL	4	20	0.0	8.0	75n		100m	1.0	0	75	2	B02102	M131	
36	#	PL9093-5.9	2		2	5.0M	MON	3.1%	45*	DTL	4	20	0.0	8.0	80n		370m	1.0	0	75	2	B02191	TO86	
37	#	PL9099-5.9	2		2	5.0M	MON	3.1%	45*	DTL	5	20	0.0	8.0	80n		370m	1.0	0	75	2	B02191	TO86	
38	#	PM9093-5.9	2		2	5.0M	MON	3.1%	45*	DTL	4	20	0.0	8.0	80n		370m	1.0	0	75	2	B02102	TO116	
39	#	PM9099-5.9	2		2	5.0M	MON	3.1%	45*	DTL	5	20	0.0	8.0	80n		380m	1.0	0	75	2	B02191	TO116	
40	#	CD2315E	2		2	5.0M	MON	3.1%	45*	DTL	3	12	0.0	5.0	25n	75n	75n	150m	1.0	55	125	2	B02201	TO116
41	#	CD2317E	2		2	5.0M	MON	3.1%	45*	DTL	3	12	0.0	5.0	25n	75n	75n	150m	1.0	55	125	2	B02200	TO116
42	#	FQJ121	2		2	5.0M	MON	3.1%	45*	DTL	3	12	0.0	5.0	25n	75n	75n	150m	1.0	55	125	2	B02201	TO116
43	#	FQJ141	2		2	5.0M	MON	3.1%	45*	DTL	3	12	0.0	5.0	25n	75n	75n	150m	1.0	55	125	2	B02200	TO116
44	#	LU320K	2		2	4.0M	MON	3.3%	6*	DTL	5	17	0	5.5	65n		90m	1.2	15	85	1	B0216	CN17	
45	#	SU320G	2		2	4.0M	MON	3.3%	6*	DTL	5	17	0	5.5	65n		90m	1.2	20	85	1	B0216	TO91	
46	#	SU320K	2		2	4.0M	MON	3.3%	6*	DTL	5	17	0	5.5	65n		90m	1.2	20	85	1	B0216	CN17	
47	#	CD2203D	2		2	3M	MON	3.4	10	DTL	12	5	0	4	65n		7.0m	1.2	55	125	1	B0296	M135	
48	#	SFC323	2		2	5.0M	MON	3.5%	45*	DTL	5	15	0	8	80n		45m	650m	0	80	1	B0290	ZB163	
49	#	PD9094-5.1	2		2	5.0M	MON	4.0%	40*	DTL	4	18	0.0	8.0	65n		390m	1.0	55	125	2	B02102	TO116	
50	#	PD9097-5.1	2		2	5.0M	MON	4.0%	40*	DTL	5	18	0.0	8.0	65n		390m	1.0	55	125	2	B02191	TO116	
51	#	PL9094-5.1	2		2	5.0M	MON	4.0%	40*	DTL	4	18	0.0	8.0	65n		390m	1.0	55	125	2	B02102	TO86	
52	#	PL9097-5.1	2		2	5.0M	MON	4.0%	40*	DTL	5	18	0.0	8.0	65n		390m	1.0	55	125	2	B02191	TO86	
53	#	CD2316	2		2	5.0M	MON	4.0%	40*	DTL	3	11	0.0	5.0	25n	75n	65n	182m	1.0	55	125	2	B02201a	FP44a
54	#	CD2316D	2		2	5.0M	MON	4.0%	40*	DTL	3	11	0.0	5.0	25n	75n	65n	182m	1.0	55	125	2	B02201a	TO116
55	#	CD2318	2		2	5.0M	MON	4.0%	40*	DTL	3	11	0.0	5.0	25n	75n	65n	182m	1.0	55	125	2	B02200a	FP44a
56	#	CD2318D	2		2	5.0M	MON	4.0%	40*	DTL	3	11	0.0	5.0	25n	75n	65n	182m	1.0	55	125	2	B02200a	TO116
57	#	RD247	2		2	9.0M	MON	4.0%	40*	DTL	8	8	0.0	6.0	80n		50m	800m	0	55	125	1	B02199	TO84
58	#	PE9094-5.9	2		2	5.0M																		

4. BINARY/FLIP-FLOPS

IN ORDER OF: (1)TYPE FLIP-FLOP (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	TYPE No.	1 OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN IN		POWER SUPPLY SPAN		PROPAGATION DELAY		MAX. RISE TIME		MAX. FALL TIME		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					3	LEVEL		2	IN	OUT MAX.	NEG (V)	POS (V)	(s)	tr (s)	tf (s)	LOW °C	HI °C			LOGIC DWG. No	OUTLINE DWG. No Δ-MO			
						4	'1' (V)																'0' (V)	
1	MC1013L	2	70M	MON	.75	-1.6	ECT	10	50	8	0.0	6.0n	7.5n	7.5n	125m	175m	0	75	1	B02104	TO116			
2	SW1013F	2	85M	MON	.75	-1.6	ECT	10	25	5.2	0.0	6.0n	7.5n	7.5n	125m	175m	0	75	1	B02202	TO86			
3	SW1013M	2	85M	MON	.75	-1.6	ECT	10	25	5.2	0.0	6.0n	7.5n	7.5n	125m	175m	0	75	1	B02202	M105n			
4	SW1013P	2	85M	MON	.75	-1.6	ECT	10	25	5.2	0.0	6.0n	7.5n	7.5n	125m	175m	0	75	1	B02202	TO116			
5	SW1213F	2	85M	MON	.75	-1.6	ECT	10	25	5.2	0.0	6.0n	7.5n	7.5n	125m	175m	-55	125	1	B02202	TO86			
6	SW1213P	2	85M	MON	.75	-1.6	ECT	10	25	5.2	0.0	6.0n	7.5n	7.5n	125m	175m	-55	125	1	B02202	TO116			
7	MC1027L	2	100M	MON	.75	-1.6	ECT	10	50	8	0.0	4.0n	6.0n	6.0n	250m	175m	0	75	1	B02104	TO116			
8	MC1013P	2	70M	MON	.85	-1.5*	ECT	10	25	5.2	0.0	6.0n	7.5n	7.5n	125m	175m	0	75	1	B02202	TO116			
9	MC1213F	2	70M	MON	.85	-1.5*	ECT	10	25	5.2	0.0	6.0n	7.5n	7.5n	125m	175m	-55	125	1	B02202	TO86			
10	MC1213L	2	70M	MON	.85	-1.5*	ECT	10	25	5.2	0.0	6.0n	7.5n	7.5n	125m	175m	-55	125	1	B02202	TO116			
11	F10135FC	2	125M	MON	.96	-1.6*	ECT	5	80G	5.2	0.0	5.0nΔ			353m*	145m*	0	75	2	B02268a	FP103			
12	F10135PC	2	125M	MON	.96	-1.6*	ECT	5	80G	5.2	0.0	5.0nΔ			353m*	145m*	0	75	2	B02268	M562			
13	SN10135J	2	125M	MON	.98	-1.6*	ECT	5		5.2	0.0	3.5n			208m		0	85	2	B02296	M153d			
14	SN10135N	2	125M	MON	.98	-1.6*	ECT	5		5.2	0.0	3.5n			208m		0	85	2	B02296	M117x			
15	SN10302J	2	150M	MON	.98	-1.6*	ECT	5		5.2	0.0	3.5n			268m		0	85	2	B02296	M153d			
16	SN10302N	2	150M	MON	.98	-1.6*	ECT	5		5.2	0.0	3.5n			268m		0	85	2	B02296	M117x			
17	PL9923	2	1.0M	MON			RC	3	10	0.0	3.6	40n			54m	300m	15	55	1	B0258	TO78			
18	G301	2	100k	PCB	-6.0	0.0	RCT	3	3	12	6.0	800n	600n	1.4u	665m	1.0 *	-55	71	2	B02164	CB16			
19	G311	2	100k	PCB	-6.0	0.0	RCT	3	12	6.0	800n	800n	600n	1.4u	1.3	1.0 *	-55	71	2	B02165	CB16			
20	GA301	2	100k	PCB	-6.0	0.0	RCT	3	12	6.0	800n	800n	600n	1.4u	1.0 *	-55	71	2	B02165	CB16				
21	GA311	2	100k	PCB	-6.0	0.0	RCT	3	12	6.0	800n	800n	600n	1.4u	1.3	1.0 *	-55	71	2	B02165	CB16			
22	G201	2	1.0M	PCB	-6.0	0.0	RCT	10	10	12	6	250n	100n	300n	560m	2.0	-55	71	2	B04139a	CB16			
23	GA201	2	1.0M	PCB	-6.0	0.0	RCT	10	10	12	6.0	250n	100n	300n	560m	2.0	-55	71	2	B04139a	CB16			
24	G111A	2	1.0M	PCB	-6.0	0.0	RCT	3	5	12	6	25n	20n	50n	1.1	2.0	-55	71	2	B02163	CB16			
25	GA111A	2	1.0M	PCB	-6.0	0.0	RCT	5	5	12	6.0	25n	20n	50n	1.1	2.0	-55	71	2	B02163	CB16			
26	4XGM	2	200k	PCB	-10	0.0	RCT	6	9	12	12	6.0	200n	1.0u	500n	804m	2.0	0	55	4	B0211	CB19		
27	GFF1-2	2	200k	PCB	-10	0.0	RCT	6	9	12	6.0	100n	250n	200n	960m	1.4	0	55	4	B0240	CB15			
28	4XGH	2	1.0M	PCB	-10	0.0	RCT	6	9	12	12	6.0	100n	250n	200n	1.0	0	55	4	B0211	CB19			
29	GFF1-1	2	1.0M	PCB	-10	0.0	RCT	6	9	12	6.0	100n	250n	200n	960m	1.4	0	55	4	B0240	CB15			
30	GFF1-5	2	5.0M	PCB	-10	0.0	RCT	6	9	12	6.0	60n	50n	50n	1.4	1.5	0	55	4	B0240	CB15			
31	9923EC	2		MON			RTL	4	20	0.0	3.6	15n			54m	300m	15	55	1	B0221	CN34			
32	FuL92328	2		MON			RTL	3	8	0.0	3.6	40n			54m	300m	15	55	1	B0221				
33	FuL92329	2		MON			RTL	3	10	0.0	3.6	40n			54m	300m	15	55	1	B0221				
34	SD3722	2					RTL	5	5	0.0	3.6	60nΔ			135m		0	75	1	B0270	CN2			
35	SD3742	2					RTL	5	5	0.0	3.6	150nΔ			29m		0	75	1	B0227a	M2			
36	SD3744	2					RTL	5	5	0.0	3.6	100nΔ			41m		0	75	2	B02119a	M2			
37	U5B992328	2		MON			RTL	4	4	0.0	3.6	15n					15	55	1	B0221	TO99			
38	U5B992628	2		MON			RTL	3	32	0.0	3.6	15n					15	55	1	B0262	TO99			
39	U5B992629	2		MON			RTL	5	32	0.0	3.6	15n					15	55	1	B0262	TO99			
40	U5F992628	2		MON			RTL	3	32	0.0	3.6	15n					15	55	1	B0262	TO100			
41	U5F992629	2		MON			RTL	5	32	0.0	3.6	15n					15	55	1	B0262	TO100			
42	U8A992628	2		MON			RTL	5	32	0.0	3.6	15n					15	55	1	B0262	CN34			
43	U8A992629	2		MON			RTL	5	32	0.0	3.6	15n					15	55	1	B0262	CN34			
44	U8A992329	2	2.0M	MON			RTL	4	20	0.0	3.6	15n					0	70	1	B0221	CN34			
45	US0940D	2	2.0M	MON			RTL	3	8	0.0	3.6	210n			250m		-55	125	1	B0260	TO78			
46	USN0940D	2	2.0M	MON			RTL	3	8	0.0	3.6	210n			250m		0	70	1	B0260	TO78			
47	926HC	2	2.0M	MON			RTL	3	11	0.0	3.6	500mΔ			15m		0	70	1	B0262	TO100			
48	PL9940-21	2	6.0M	MON	.75	.45*	RTL	4	2	0.0	3	165nΔ			15m		-55	125	1	B0260	ZB155			
49	PL9940-23	2	6.0M	MON	.75	.45*	RTL	4	2	0.0	3	165nΔ			15m		0	75	1	B0260	ZB155			
50	3NB1026	2	1.0M	MON	.81	.25	RTL	4	16	0.0	4.0	25n	15n	35n	5.6m	355m	-55	125	1	B0227	CN29			
51	PL9601	2	3.0M	MON	.82	.49	RTL	6	4	0.0	3	37nΔ			55m		-55	125	1	B0254	TO91			
52	NB1016	2	1.0M	MON	.82	.57	RTL	3	4	2.7	3.3	25n	15n	35n	40m	540m	-55	125	1					
53	NB2016	2	1.0M	MON	.82	.57	RTL	3	4	2.7	3.3	25n	15n	35n	40m	540m	0	100	1					
54	NB3016	2	1.0M	MON	.82	.57	RTL	3	4	2.7	3.3	25n	15n	35n	40m	540m	15	55	1					
55	3NB2026	2	1.0M	MON	.84	.25	RTL	4	16	0.0	4.0	25n	15n	35n	5.6m	293m	0	100	1	B0227	CN29			
56	3NB4026	2	1.0M	MON	.84	.25	RTL	4	16	0.0	4.0	25n	15n	35n	5.6m	293m	0	75	1	B0227	CN29			
57	PL940	2	1.0M	MON	.90	.15	RTL	4	2	0.0	3.0	100nΔ			250m		-55	125	1	B0230	CN13			
58	PL9940A	2	6.0M	MON	.90	.15	RTL	4	2	0.0	3.0	100nΔ			250m	300m	-55	125	1	B0260	TO78			
59	3NB3026	2	1.0M	MON	.91	.25	RTL	4	16	0.0	3.6	25n	15n	35n	5.6m	250m	15	65	1	B0227	CN29			
60	PL916#1	2	1.0M	MON	1.0	.15	RTL	4	7	0.0	3.0	3.0			54m		-55	125	1	B0244	CN13			
61	PL916#2	2	1.0M	MON	1.0	.15	RTL	4	7	0.0	3.0	3.0			54m		-55	125	1	B0244	FP2			
62	PL9916	2	1.0M	MON	1.0	.15	RTL	4	7	0.0	3.0	3.0			54m		-55	125	1	B0244	FP2			
63	PL988	2	1.0M	MON	1.1	.20	RTL	5	3	0.0	3.0	3.0			2.2m		-55	125	1	B0229	FP1			
64	uL923	2	2.0M	MON	1.1	.25	RTL	4	20	0.0	3.6	40n			81m	300m	15	55	1	B0221	CN34			
65	FuL92629	2	1.0M	MON	1.1	.25	RTL	5	32	0.0	3.6	40n			81m	300m	15	55	1	B0220	TO100			
66	PL9926	2	1.0M	MON	1.1	.25	RTL	5	5	0.0	3.0	40n			81m	300m	-55	125	1	B0262	TO100			
67	PL9974	2	1.0M	MON	1.1	.25	RTL	5	5	0.0	3.0	40n			81m	300m	-55	125	1	B0262a	TO78			
68	uL926#1	2	2.0M	MON	1.1	.25	RTL	5	10	0.0	12	12			56m		-55	125	1	B0270	CN39			
69	uL926#2	2	2.0M	MON	1.1	.25	RTL	5	10	0.0	12	12			56m		0	100	1	B0270	FP17			
70#	MIC967	2	35M	MON	2.5	.50†	RTL	8	12	2.0	4.5	5.0n			1.0	500m	0	75	1	B02149	M153a			
71#	GTB74S112	2		MON			TTL	5	10	0.0	5.0	3.0n			37mΔ		0	70	2	B02257				
72	MC2009P	2	30M	MON			TTL	10	9						40m		0	75	1	B02105	M114			
73	MC2010P	2	30M	MON	</																			

4. BINARY/FLIP-FLOPS

IN ORDER OF: (1)TYPE FLIP-FLOP (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF FLIP-FLOP	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN		POWER SUPPLY SPAN	PROPAGATION DELAY (s)	MAX.		MAX. PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					LEVEL	TYPE	IN	OUT MAX.	RISE TIME tr (s)			FALL TIME tf (s)	LOW			HI	LOGIC DWG. No		OUTLINE DWG. No Δ=MO	
																				'1' (V)
1#	T121D2-14	2		MON	1.7%	90*	TTL	5	10	0.0	5.0	32nΔ		300m%	400m	-55	125	2	B02225	M105e
2#	T176D2	2		MON	1.7%	90*	TTL	10	10	0.0	5.0			400m	400m	-55	125			M200m
3#	T176F2	2		MON	1.7%	90*	TTL	10	10	0.0	5.0			400m	400m	-55	125			
4	9000-1-3L	2	20M1%	MON	1.7%	90*	TTL	8		0.0	5.0	12n				-55	125	1	B02185	FP47a
5	9000-1-6B	2	20M1%	MON	1.7%	90*	TTL	8		0.0	5.0	12n				-55	125	1	B02185	M153a
6#	MIC9024-1D	2	25M1%	MON	1.7%	90*	TTL			0.0	5.0	25n		140m	400m	0	75	1	B02185	M153a
7	9001-1-3L	2	50M1%	MON	1.7%	90*	TTL	8		0.0	5.0	12n				-55	125	1	B02185	FP47a
8	9001-1-6B	2	50M1%	MON	1.7%	90*	TTL	8		0.0	5.0	12n				-55	125	1	B02185	M153a
9	9020-1-3I	2	50M1%	MON	1.7%	90*	TTL	5		0.0	5.0	12n				-55	125	2	B02187	FP28b
10	9020-1-6A	2	50M1%	MON	1.7%	90*	TTL	5		0.0	5.0	12n				-55	125	2	B02187	M157
11	9022-1-3I	2	50M1%	MON	1.7%	90*	TTL	4		0.0	5.0	12n				-55	125	2	B02187	FP28b
12	9022-1-6A	2	50M1%	MON	1.7%	90*	TTL	4		0.0	5.0	12n				-55	125	2	B02187	M157
13#	MIC9020-1D	2	50M1%	MON	1.7%	90*	TTL	5		0.0	5.0	12n				0	75	2	B02187	M153a
14#	MIC9022-1D	2	50M1%	MON	1.7%	90*	TTL	4		0.0	5.0	12n				0	75	2	B02187	M153a
15#	11-74	2	25M%	MON	1.7%	95*	TTL	4	10	0.0	7.0	24n%		43mΔ	1.0 Δ	0	70	2	B0289	M126
16	TF50F	2	30M%	MON	1.7%	1.2*	TTL	10	15	0.0	7.0	20n		40m†	500mΔ	-55	125	1	B0242	FP21c
17	TF50J	2	30M%	MON	1.7%	1.2*	TTL	10	15	0.0	7.0	20n		40m†	500mΔ	-55	125	1	B0242	TO116
18	TF51F	2	30M%	MON	1.7%	1.2*	TTL	10	7	0.0	7.0	20n		40m†	500mΔ	-55	125	1	B0242	FP21c
19	TF51J	2	30M%	MON	1.7%	1.2*	TTL	10	7	0.0	7.0	20n		40m†	500mΔ	-55	125	1	B0242	TO116
20	TF60F	2	30M%	MON	1.7%	1.2*	TTL	10	15	0.0	7.0	20n		40m†	500mΔ	-55	125	1	B0257	FP21c
21	TF60J	2	30M%	MON	1.7%	1.2*	TTL	10	15	0.0	7.0	20n		40m†	500mΔ	-55	125	1	B0257	TO116
22	TF61F	2	30M%	MON	1.7%	1.2*	TTL	10	7	0.0	7.0	20n		40m†	500mΔ	-55	125	1	B0257	FP21c
23	TF61J	2	30M%	MON	1.7%	1.2*	TTL	10	7	0.0	7.0	20n		40m†	500mΔ	-55	125	1	B0257	TO116
24	TFF3111F	2	30M%	MON	1.7%	1.2*	TTL	7	15	0	7	21n		75m†	500mΔ	-55	125	1	B02146	FP21c
25	TFF3111P	2	30M%	MON	1.7%	1.2*	TTL	7	15	0	7	21n		75m†	500mΔ	-55	125	1	B02146	TO116
26	TFF3113F	2	30M%	MON	1.7%	1.2*	TTL	7	7	0	7	21n		75m†	500mΔ	-55	125	1	B02146	FP21c
27	TFF3113P	2	30M%	MON	1.7%	1.2*	TTL	7	7	0	7	21n		75m†	500mΔ	-55	125	1	B02146	TO116
28	TFF3115F	2	30M%	MON	1.7%	1.2*	TTL	5	15	0	7	21n		75m†	500mΔ	-55	125	1	B02146a	FP21c
29	TFF3115P	2	30M%	MON	1.7%	1.2*	TTL	5	15	0	7	21n		75m†	500mΔ	-55	125	1	B02146a	TO116
30	TFF3117F	2	30M%	MON	1.7%	1.2*	TTL	5	7	0	7	21n		75m†	500mΔ	-55	125	1	B02146a	FP21c
31	TFF3117P	2	30M%	MON	1.7%	1.2*	TTL	5	7	0	7	21n		75m†	500mΔ	-55	125	1	B02146a	TO116
32	TFF3121F	2	30M%	MON	1.7%	1.2*	TTL	7	15	0	7	21n		75m†	500mΔ	-55	125	1	B02125	FP21c
33	TFF3121P	2	30M%	MON	1.7%	1.2*	TTL	7	15	0	7	21n		75m†	500mΔ	-55	125	1	B02125	TO116
34	TFF3123F	2	30M%	MON	1.7%	1.2*	TTL	7	7	0	7	21n		75m†	500mΔ	-55	125	1	B02125	FP21c
35	TFF3123P	2	30M%	MON	1.7%	1.2*	TTL	7	7	0	7	21n		75m†	500mΔ	-55	125	1	B02125	TO116
36	TFF3125F	2	30M%	MON	1.7%	1.2*	TTL	5	7	0	7	21n		75m†	500mΔ	-55	125	1	B02125a	FP21c
37	TFF3125P	2	30M%	MON	1.7%	1.2*	TTL	5	7	0	7	21n		75m†	500mΔ	-55	125	1	B02125a	TO116
38	TFF3127F	2	30M%	MON	1.7%	1.2*	TTL	5	15	0	7	21n		75m†	500mΔ	-55	125	1	B02125a	FP21c
39	TFF3127P	2	30M%	MON	1.7%	1.2*	TTL	5	15	0	7	21n		75m†	500mΔ	-55	125	1	B02125a	TO116
40	TFF3161F	2	30M%	MON	1.7%	1.2*	TTL	9	7	0	7	21n		75m†	500mΔ	-55	125	1	B02124	FP21c
41	TFF3161P	2	30M%	MON	1.7%	1.2*	TTL	9	7	0	7	21n		75m†	500mΔ	-55	125	1	B02124	TO116
42	TFF3163F	2	30M%	MON	1.7%	1.2*	TTL	9	15	0	7	21n		75m†	500mΔ	-55	125	1	B02124	FP21c
43	TFF3163P	2	30M%	MON	1.7%	1.2*	TTL	9	15	0	7	21n		75m†	500mΔ	-55	125	1	B02124	TO116
44	TFF3165F	2	30M%	MON	1.7%	1.2*	TTL	7	7	0	7	21n		75m†	500mΔ	-55	125	1	B02124a	FP21c
45	TFF3165P	2	30M%	MON	1.7%	1.2*	TTL	7	7	0	7	21n		75m†	500mΔ	-55	125	1	B02124a	TO116
46	TFF3167F	2	30M%	MON	1.7%	1.2*	TTL	7	15	0	7	21n		75m†	500mΔ	-55	125	1	B02124a	FP21c
47	TFF3167P	2	30M%	MON	1.7%	1.2*	TTL	7	15	0	7	21n		75m†	500mΔ	-55	125	1	B02124a	TO116
48	TFF3173F	2	30M%	MON	1.7%	1.2*	TTL	7	15	0	7	21n		150m†	500mΔ	-55	125	2	B02125b	FP21c
49	TFF3173P	2	30M%	MON	1.7%	1.2*	TTL	7	15	0	7	21n		150m†	500mΔ	-55	125	2	B02125b	TO116
50	TFF3181	2	30M%	MON	1.7%	1.2*	TTL	8	7	0	7	21n		150m†	500mΔ	-55	125	2	B02124b	FP54
51	TFF3183	2	30M%	MON	1.7%	1.2*	TTL	8	15	0	7	21n		150m†	500mΔ	-55	125	2	B02124b	FP54
52	TFF3273F	2	30M%	MON	1.7%	1.2*	TTL	4	7	0	7	20n		80m†	500mΔ	-55	125	2	B0242	FP21c
53	TFF3273P	2	30M%	MON	1.7%	1.2*	TTL	4	7	0	7	20n		80m†	500mΔ	-55	125	2	B0242	TO116
54	TFF3411F	2	30M%	MON	1.7%	1.2*	TTL	10	15	0	7	20n		40m†	500mΔ	-55	125	1	B02129	FP21c
55	TFF3411P	2	30M%	MON	1.7%	1.2*	TTL	10	15	0	7	20n		40m†	500mΔ	-55	125	1	B02129	TO116
56	TFF3413F	2	30M%	MON	1.7%	1.2*	TTL	10	7	0	7	20n		40m†	500mΔ	-55	125	1	B02129	FP21c
57	TFF3413P	2	30M%	MON	1.7%	1.2*	TTL	10	7	0	7	20n		40m†	500mΔ	-55	125	1	B02129	TO116
58	TF250F	2	40M%	MON	1.7%	1.2*	TTL	10	10	0.0	7.0	17n		60m†	500mΔ	-55	125	1	B0242	FP21c
59	TF250J	2	40M%	MON	1.7%	1.2*	TTL	10	10	0.0	7.0	17n		60m†	500mΔ	-55	125	1	B0242	TO116
60	TF251F	2	40M%	MON	1.7%	1.2*	TTL	10	5	0.0	7.0	17n		60m†	500mΔ	-55	125	1	B0242	FP21c
61	TF251J	2	40M%	MON	1.7%	1.2*	TTL	10	5	0.0	7.0	17n		60m†	500mΔ	-55	125	1	B0242	TO116
62	TF260F	2	40M%	MON	1.7%	1.2*	TTL	10	10	0.0	7.0	17n		60m†	500mΔ	-55	125	1	B0257	FP21c
63	TF260J	2	40M%	MON	1.7%	1.2*	TTL	10	10	0.0	7.0	17n		60m†	500mΔ	-55	125	1	B0257	TO116
64	TF261F	2	40M%	MON	1.7%	1.2*	TTL	10	5	0.0	7.0	17n		60m†	500mΔ	-55	125	1	B0257	FP21c
65	TF261J	2	40M%	MON	1.7%	1.2*	TTL	10	5	0.0	7.0	17n		60m†	500mΔ	-55	125	1	B0257	TO116
66	TFF3441F	2	40M%	MON	1.7%	1.2*	TTL	10	10	0	7	17n		60m†	500mΔ	-55	125	1	B02129	FP21c
67	TFF3441P	2	40M%	MON	1.7%	1.2*	TTL	10	10	0	7	17n		60m†	500mΔ	-55	125	1	B02129	TO116
68	TFF3443F	2	40M%	MON	1.7%	1.2*	TTL	10	5	0	7	17n		60m†	500mΔ	-55	125	1	B02129	FP21c
69	TFF3443P	2	40M%	MON	1.7%	1.2*	TTL	10	5	0	7	17n		60m†	500mΔ	-55	125	1	B02129	TO116
70#	T100B1-16	2		MON	1.8%	.85*	TTL	10	10	0.0	5.0	30nΔ		140m%	400m	0	75	1	B02167	M200
71#	T100D1-16	2		MON	1.8%	.85*	TTL	10	10	0.0	5.0	30nΔ		140m%	400m	0	75	1	B02167	M200
72#	T100B1-16	2		MON	1.8%	.85*	TTL	10	10	0.0	5.0	30nΔ		165m%	400m	0	75	1	B02168	M200
73#	T101D1-16	2		MON	1.8%	.85*	TTL	10	10	0.0	5.0	30nΔ		165m%	400m	0	75	1	B02168	M200
74#	T120B1-14	2		MON	1.8%	.85*	TTL	10	10	0.0	5.0	32nΔ		300m%	400m	0	75			

4. BINARY/FLIP-FLOPS

IN ORDER OF: (1)TYPE FLIP-FLOP (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL	LINE No.	TYPE No.	1 OF FLIP-FLOP	5 MAX OPER-ATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL			FAN OUT		POWER SUPPLY SPAN		PROPAGA-TION DELAY (s)	MAX. RISE TIME		FALL TIME (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
						3 '1' (V)	4 '0' (V)	2	IN	OUT MAX.	NEG (V)	POS (V)		tr (s)	tf (s)				LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=MO
	1	TF200J	2	50Mt	MON	1.8%	1.1*	TTL	10	11	0.0	5.0	15n			55m		-55	125	1			
	2	TF201F	2	50Mt	MON	1.8%	1.1*	TTL	10	6	0.0	5.0	15n			55m		-55	125	1			
	3	TF201J	2	50Mt	MON	1.8%	1.1*	TTL	10	6	0.0	5.0	15n			55m		-55	125	1			
	4	TF202F	2	50Mt	MON	1.8%	1.1*	TTL	10	9	0.0	5.0	15n			55m		0	75	1			
	5	TF202J	2	50Mt	MON	1.8%	1.1*	TTL	10	9	0.0	5.0	15n			55m		0	75	1			
	6	TF203F	2	50Mt	MON	1.8%	1.1*	TTL	10	5	0.0	5.0	15n			55m		0	75	1			
	7	TF203J	2	50Mt	MON	1.8%	1.1*	TTL	10	5	0.0	5.0	15n			55m		0	75	1			
	8	TF210F	2	50Mt	MON	1.8%	1.1*	TTL	10	11	0.0	5.0	15n			65m		-55	125	1			
	9	TF210J	2	50Mt	MON	1.8%	1.1*	TTL	10	11	0.0	5.0	15n			65m		-55	125	1			
	10	TF211F	2	50Mt	MON	1.8%	1.1*	TTL	10	6	0.0	5.0	15n			65m		-55	125	1			
	11	TF211J	2	50Mt	MON	1.8%	1.1*	TTL	10	6	0.0	5.0	15n			65m		-55	125	1			
	12	TF212F	2	50Mt	MON	1.8%	1.1*	TTL	10	9	0.0	5.0	15n			65m		0	75	1			
	13	TF212J	2	50Mt	MON	1.8%	1.1*	TTL	10	9	0.0	5.0	15n			65m		0	75	1			
	14	TF213F	2	50Mt	MON	1.8%	1.1*	TTL	10	5	0.0	5.0	15n			65m		0	75	1			
	15	TF213J	2	50Mt	MON	1.8%	1.1*	TTL	10	5	0.0	5.0	15n			65m		0	75	1			
	16	TF52F	2	30MΔ	MON	1.8%	1.2*	TTL	10	15	0.0	7.0	20n			40m†	500mΔ	0	75	1	B0242	FP21c	
	17	TF52J	2	30MΔ	MON	1.8%	1.2*	TTL	10	15	0.0	7.0	20n			40m†	500mΔ	0	75	1	B0242	TO116	
	18	TF53F	2	30MΔ	MON	1.8%	1.2*	TTL	10	7	0.0	7.0	20n			40m†	500mΔ	0	75	1	B0242	FP21c	
	19	TF53J	2	30MΔ	MON	1.8%	1.2*	TTL	10	7	0.0	7.0	20n			40m†	500mΔ	0	75	1	B0242	TO116	
	20	TF62F	2	30MΔ	MON	1.8%	1.2*	TTL	10	15	0.0	7.0	20n			40m†	500mΔ	0	75	1	B0257	FP21c	
	21	TF62J	2	30MΔ	MON	1.8%	1.2*	TTL	10	15	0.0	7.0	20n			40m†	500mΔ	0	75	1	B0257	TO116	
	22	TF63F	2	30MΔ	MON	1.8%	1.2*	TTL	10	7	0.0	7.0	20n			40m†	500mΔ	0	75	1	B0257	FP21c	
	23	TF63J	2	30MΔ	MON	1.8%	1.2*	TTL	10	7	0.0	7.0	20n			40m†	500mΔ	0	75	1	B0257	TO116	
	24	TFF3112F	2	30MΔ	MON	1.8%	1.2*	TTL	7	15	0	7	21n			75m†	500mΔ	0	75	1	B02146	FP21c	
	25	TFF3112P	2	30MΔ	MON	1.8%	1.2*	TTL	7	15	0	7	21n			75m†	500mΔ	0	75	1	B02146	TO116	
	26	TFF3114F	2	30MΔ	MON	1.8%	1.2*	TTL	7	7	0	7	21n			75m†	500mΔ	0	75	1	B02146	FP21c	
	27	TFF3114P	2	30MΔ	MON	1.8%	1.2*	TTL	7	7	0	7	21n			75m†	500mΔ	0	75	1	B02146	TO116	
	28	TFF3116F	2	30MΔ	MON	1.8%	1.2*	TTL	5	15	0	7	21n			75m†	500mΔ	0	75	1	B02146a	FP21c	
	29	TFF3116P	2	30MΔ	MON	1.8%	1.2*	TTL	5	15	0	7	21n			75m†	500mΔ	0	75	1	B02146a	TO116	
	30	TFF3118F	2	30MΔ	MON	1.8%	1.2*	TTL	5	7	0	7	21n			75m†	500mΔ	0	75	1	B02146a	FP21c	
	31	TFF3118P	2	30MΔ	MON	1.8%	1.2*	TTL	5	7	0	7	21n			75m†	500mΔ	0	75	1	B02146a	TO116	
	32	TFF3122F	2	30MΔ	MON	1.8%	1.2*	TTL	7	15	0	7	21n			75m†	500mΔ	0	75	1	B02125	FP21c	
	33	TFF3122P	2	30MΔ	MON	1.8%	1.2*	TTL	7	15	0	7	21n			75m†	500mΔ	0	75	1	B02125	TO116	
	34	TFF3124F	2	30MΔ	MON	1.8%	1.2*	TTL	7	7	0	7	21n			75m†	500mΔ	0	75	1	B02125	FP21c	
	35	TFF3124P	2	30MΔ	MON	1.8%	1.2*	TTL	7	7	0	7	21n			75m†	500mΔ	0	75	1	B02125	TO116	
	36	TFF3126F	2	30MΔ	MON	1.8%	1.2*	TTL	5	7	0	7	21n			75m†	500mΔ	0	75	1	B02125a	FP21c	
	37	TFF3126P	2	30MΔ	MON	1.8%	1.2*	TTL	5	7	0	7	21n			75m†	500mΔ	0	75	1	B02125a	TO116	
	38	TFF3128F	2	30MΔ	MON	1.8%	1.2*	TTL	5	15	0	7	21n			75m†	500mΔ	0	75	1	B02125a	FP21c	
	39	TFF3128P	2	30MΔ	MON	1.8%	1.2*	TTL	5	15	0	7	21n			75m†	500mΔ	0	75	1	B02125a	TO116	
	40	TFF3162F	2	30MΔ	MON	1.8%	1.2*	TTL	9	7	0	7	21n			75m†	500mΔ	0	75	1	B02124	FP21c	
	41	TFF3162P	2	30MΔ	MON	1.8%	1.2*	TTL	9	7	0	7	21n			75m†	500mΔ	0	75	1	B02124	TO116	
	42	TFF3164F	2	30MΔ	MON	1.8%	1.2*	TTL	9	15	0	7	21n			75m†	500mΔ	0	75	1	B02124	FP21c	
	43	TFF3164P	2	30MΔ	MON	1.8%	1.2*	TTL	9	15	0	7	21n			75m†	500mΔ	0	75	1	B02124	TO116	
	44	TFF3166F	2	30MΔ	MON	1.8%	1.2*	TTL	7	7	0	7	21n			75m†	500mΔ	0	75	1	B02124a	FP21c	
	45	TFF3166P	2	30MΔ	MON	1.8%	1.2*	TTL	7	7	0	7	21n			75m†	500mΔ	0	75	1	B02124a	TO116	
	46	TFF3168F	2	30MΔ	MON	1.8%	1.2*	TTL	7	15	0	7	21n			75m†	500mΔ	0	75	1	B02124a	FP21c	
	47	TFF3168P	2	30MΔ	MON	1.8%	1.2*	TTL	7	15	0	7	21n			75m†	500mΔ	0	75	1	B02124a	TO116	
	48	TFF3174F	2	30MΔ	MON	1.8%	1.2*	TTL	7	15	0	7	21n			150m†	500mΔ	0	75	2	B02125b	FP21c	
	49	TFF3174P	2	30MΔ	MON	1.8%	1.2*	TTL	7	15	0	7	21n			150m†	500mΔ	0	75	2	B02125b	TO116	
	50	TFF3182	2	30MΔ	MON	1.8%	1.2*	TTL	8	7	0	7	21n			150m†	500mΔ	0	75	2	B02124b	FP54	
	51	TFF3184	2	30MΔ	MON	1.8%	1.2*	TTL	8	15	0	7	21n			150m†	500mΔ	0	75	2	B02124b	FP54	
	52	TFF3274F	2	30MΔ	MON	1.8%	1.2*	TTL	4	7	0	7	20n			80m†	500mΔ	0	75	2	B0242	FP21c	
	53	TFF3274P	2	30MΔ	MON	1.8%	1.2*	TTL	4	7	0	7	20n			80m†	500mΔ	0	75	2	B0242	TO116	
	54	TFF3412F	2	30MΔ	MON	1.8%	1.2*	TTL	10	15	0	7	20n			40m†	500mΔ	0	75	1	B02129	FP21c	
	55	TFF3412P	2	30MΔ	MON	1.8%	1.2*	TTL	10	15	0	7	20n			40m†	500mΔ	0	75	1	B02129	TO116	
	56	TFF3414F	2	30MΔ	MON	1.8%	1.2*	TTL	10	7	0	7	20n			40m†	500mΔ	0	75	1	B02129	FP21c	
	57	TFF3414P	2	30MΔ	MON	1.8%	1.2*	TTL	10	7	0	7	20n			40m†	500mΔ	0	75	1	B02129	TO116	
	58	TF252F	2	40MΔ	MON	1.8%	1.2*	TTL	10	10	0.0	7.0	17n			60m†	500mΔ	0	75	1	B0242	FP21c	
	59	TF252J	2	40MΔ	MON	1.8%	1.2*	TTL	10	10	0.0	7.0	17n			60m†	500mΔ	0	75	1	B0242	TO116	
	60	TF253F	2	40MΔ	MON	1.8%	1.2*	TTL	10	5	0.0	7.0	17n			60m†	500mΔ	0	75	1	B0242	FP21c	
	61	TF253J	2	40MΔ	MON	1.8%	1.2*	TTL	10	5	0.0	7.0	17n			60m†	500mΔ	0	75	1	B0242	TO116	
	62	TF262F	2	40MΔ	MON	1.8%	1.2*	TTL	10	10	0.0	7.0	17n			60m†	500mΔ	0	75	1	B0257	FP21c	
	63	TF262J	2	40MΔ	MON	1.8%	1.2*	TTL	10	10	0.0	7.0	17n			60m†	500mΔ	0	75	1	B0257	TO116	
	64	TF263F	2	40MΔ	MON	1.8%	1.2*	TTL	10	5	0.0	7.0	17n			60m†	500mΔ	0	75	1	B0257	FP21c	
	65	TF263J	2	40MΔ	MON	1.8%	1.2*	TTL	10	5	0.0	7.0	17n			60m†	500mΔ	0	75	1	B0257	TO116	
	66	TFF3442F	2	40MΔ	MON	1.8%	1.2*	TTL	10	10	0	7	17n			60m†	500mΔ	0	75	1	B02129	FP21c	
	67	TFF3442P	2	40MΔ	MON	1.8%	1.2*	TTL	10	10	0	7	17n			60m†	500mΔ	0	75	1	B02129	TO116	
	68	TFF3444F	2	40MΔ	MON	1.8%	1.2*	TTL	10	5	0	7	17n			60m†	500mΔ	0	75	1	B02129	FP21c	
	69	TFF3444P	2	40MΔ	MON	1.8%	1.2*	TTL	10	5	0	7	17n			60m†	500mΔ	0	75	1	B02129	TO116	
	70	RSN54L72H	2	3.0MΔ	MON	1.9%	.80*	TTL	9		0.0	5.0	150nΔ			7.2m†		-55	125	1	B02283a	FP69b	
	71	MIC9000-5B	2		MON	1.9%	.85*	TTL	7	10	0</												

4. BINARY/FLIP-FLOPS

IN ORDER OF: (1)TYPE FLIP-FLOP (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	6	TYPE No.	1	TYPE OF FLIP-FLOP	5	MAX OPERATING FREQ. (Hz)	PRO-CESSES	LOGIC			FAN		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX.		TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS		
								3	LEVEL		TYPE	IN	OUT MAX.	NEG (V)		POS (V)	RISE TIME tr (s)			FALL TIME tf (s)	LOW °C		HI °C	LOGIC DWG. No	OUTLINE DWG. No
									'1' (V)	'0' (V)															
1		9LS113DM	2		2	45MΔ	MON	2.0%	.70*	TTL	3	2.5	0.0	5.0	16n		40m%	300m	-55	125	2	B02258	TO116		
2		9LS113FM	2		2	45MΔ	MON	2.0%	.70*	TTL	3	2.5	0.0	5.0	16n		40m%	300m	-55	125	2	B02258	TO86		
3		9LS114DM	2		2	45MΔ	MON	2.0%	.70*	TTL	4	2.5	0.0	5.0	16n		40m%	300m	-55	125	2	B02258a	TO116		
4		9LS114FM	2		2	45MΔ	MON	2.0%	.70*	TTL	4	2.5	0.0	5.0	16n		40m%	300m	-55	125	2	B02258a	TO86		
5		54LS73DM	2		2	45MΔ	MON	2.0%	.70*	TTL	3	2.5	0.0	5.0	16n		40m%	300m	-55	125	2	B0291	TO116		
6		54LS73FM	2		2	45MΔ	MON	2.0%	.70*	TTL	3	2.5	0.0	5.0	16n		40m%	300m	-55	125	2	B0291	TO86		
7		54LS113DM	2		2	45MΔ	MON	2.0%	.70*	TTL	3	2.5	0.0	5.0	16n		40m%	300m	-55	125	2	B02258	TO116		
8		54LS114DM	2		2	45MΔ	MON	2.0%	.70*	TTL	4	2.5	0.0	5.0	16n		40m%	300m	-55	125	2	B02258a	TO116		
9	#	FLJ285	2		2	45MΔ	MON	2.0%	.80*	TTL	10	10	0.0	5.0	25nΔ		120m	1.0	-25	85	1	B02167	M126		
10	#	FLJ295	2		2	45MΔ	MON	2.0%	.80*	TTL	10	10	0.0	5.0	25nΔ		120m	1.0	-25	85	1	B02172	M126		
11	#	MIC9000-1B	2		2	MON	MON	2.0%	.80*	TTL	7	10	0	5.5					-55	125	1	B02167	TO86		
12		MIC9000-1D	2		2	MON	MON	2.0%	.80*	TTL	7	10	0	5.5					-55	125	1	B02167	TO116		
13		MIC9001-1B	2		2	MON	MON	2.0%	.80*	TTL	7	10	0	5.5					-55	125	1	B02168	TO86		
14		MIC9001-1D	2		2	MON	MON	2.0%	.80*	TTL	7	10	0	5.5					-55	125	1	B02168	TO116		
15		N74109B	2		2	MON	MON	2.0%	.80*	TTL	5	20	0.0	5.0	35nΔ		150mΔ	1.0 t	0	70	2	B02185	M317		
16		S54109B	2		2	MON	MON	2.0%	.80*	TTL	5	20	0.0	5.0	35nΔ		150mΔ	1.0 t	-55	125	2	B02185	M317		
17		SN54S113N	2		2	MON	MON	2.0%	.80*	TTL	4	20	0.0	5.0	5.0n		250m%	1.0 Δ	-55	125	2	B02258	M126e		
18		SN54S114N	2		2	MON	MON	2.0%	.80*	TTL	5	20	0.0	5.0	5.0n		250m%	1.0 Δ	-55	125	2	B02258a	M126e		
19		SN74S113W	2		2	MON	MON	2.0%	.80*	TTL	4	20	0.0	5.0	5.0n		250m%	1.0 Δ	0	70	2	B02258	Δ004AA		
20		SN74S114W	2		2	MON	MON	2.0%	.80*	TTL	5	20	0.0	5.0	5.0n		250m%	1.0 Δ	0	70	2	B02258a	Δ004AA		
21		SN54109N	2		2	MON	MON	2.0%	.80*	TTL	5	20	0.0	5.0	35nΔ		140m%	1.0 Δ	-55	125	2	B02260	M117		
22		SN74109W	2		2	MON	MON	2.0%	.80*	TTL	5	20	0.0	5.0	35nΔ		140m%	1.0 Δ	0	70	2	B02260	Δ004AG		
23		SN74111W	2		2	MON	MON	2.0%	.80*	TTL	5	20	0.0	5.0	30nΔ		140m%	1.0 Δ	0	70	2	B02262	Δ004AG		
24		SW7473J	2		2	MON	MON	2.0%	.80*	TTL	4	10	0.0	5.0	5.25		40m t	1.0	0	70	2	B02130a	M114		
25		SW7473N	2		2	MON	MON	2.0%	.80*	TTL	4	10	0.0	5.0	5.25		40m t	1.0	0	70	2	B02130a	M105n		
26	#	T74H71B1	2		2	MON	MON	2.0%	.80*	TTL	10	10	0.0	5.0			100m	1.0 Δ	0	70					
27	#	T74H71D1	2		2	MON	MON	2.0%	.80*	TTL	10	10	0.0	5.0			100m	1.0 Δ	0	70					
28	#	T74H71D2	2		2	MON	MON	2.0%	.80*	TTL	10	10	0.0	5.0			100m	1.0 Δ	-55	125					
29	#	T74H72B1	2		2	MON	MON	2.0%	.80*	TTL	10	10	0.0	5.0			90m	1.0 Δ	0	70					
30	#	T74H72D1	2		2	MON	MON	2.0%	.80*	TTL	10	10	0.0	5.0			90m	1.0 Δ	0	70					
31	#	T74H72D2	2		2	MON	MON	2.0%	.80*	TTL	10	10	0.0	5.0			90m	1.0 Δ	-55	125					
32	#	TL74104N	2		2	MON	MON	2.0%	.80*	TTL	10	25	0.0	5.0	25nΔ		120m t		0	70	1	B02167	M126n		
33	#	TL74105N	2		2	MON	MON	2.0%	.80*	TTL	10	25	0.0	5.0	25nΔ		120m t		0	70	1	B02172	M126n		
34	#	TL74107N	2		2	MON	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ		210m t		0	70	1	B02211	M126n		
35	#	T74107B1	2		2	MON	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ		200m%	1.0 Δ	0	70	2	B02203a	M126u		
36	#	T74107D2	2		2	MON	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ		200m%	1.0 Δ	-55	125	2	B02203a	M294		
37	#	FJJ111	2		2	10MΔ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ		40m t	400m	0	70	1	B0288	TO116		
38	#	FJJ116	2		2	10MΔ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ		40m t	400m	-40	85	1	B0288	TO116		
39	#	FJJ121	2		2	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ		80m t	400m	0	70	2	B0291	TO116		
40	#	FJJ126	2		2	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ		80m t	400m	-40	85	2	B0291	TO116		
41	#	FJJ191	2		2	10MΔ	MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ		80m t	400m	0	70	2	B0292	M146e		
42	#	FJJ196	2		2	10MΔ	MON	2.0%	.80*	TTL	10	10	0.0	7.0			80m	1.0 Δ	-40	85	2		TO116		
43	#	FJJ261	2		2	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ		80m t	400m	0	70	2	B02211	TO116		
44	#	GFB7472	2		2	10MΔ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	40nΔ		40m t	400m	0	70	1	B0288	TO116		
45	#	GFB7473	2		2	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ		80m t	400m	0	70	2	B0291	TO116		
46	#	GFB7476	2		2	10MΔ	MON	2.0%	.80*	TTL	5	10	0.0	5.0	40nΔ		80m t	400m	0	70	2	B0292	M146e		
47	#	GFB74107	2		2	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	40nΔ		80m t	400m	0	70	2	B02211	TO116		
48		JANM38510/00201CBE	2		2																				
49		PD7473	2		2	10MΔ	MON	2.0%	.80*	TTL	9	10	0.0	5.5	50nΔ		110m		-55	125	2	B02267	FP132		
50		PD7476	2		2	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	50nΔ		40mΔ	1.0	0	75	2	B0291	M105v		
51		PD74107	2		2	10MΔ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	50nΔ		10m	1.0 Δ	0	75	2	B0292	M200a		
52		USN5472A	2		2	10MΔ	MON	2.0%	.80*	TTL	9	10	0	7	50nΔ		40m	1.0 Δ	0	70	1	B0288	M105v		
53		USN5472J	2		2	10MΔ	MON	2.0%	.80*	TTL	9	10	0	7	50nΔ		10m	1.0 Δ	0	70	1	B0288	TO116		
54		USN7473A	2		2	10MΔ	MON	2.0%	.80*	TTL	4	10	0	7	50nΔ		20m	1.0 Δ	0	70	2	B02130	TO116		
55		USN7473J	2		2	10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	7.0	50nΔ		20m	1.0 Δ	0	70	2	B02130	TO88		
56		US55472A	2		2	10MΔ	MON	2.0%	.80*	TTL	9	10	0	7	50nΔ		10m	1.0 Δ	-55	125	1	B0288	TO116		
57		US55472J	2		2	10MΔ	MON	2.0%	.80*	TTL	9	10	0	7	50nΔ		10m	1.0 Δ	-55	125	1	B0288	TO88		
58		US55473A	2		2	10MΔ	MON	2.0%	.80*	TTL	4	10	0	7	50nΔ		20m	1.0 Δ	-55	125	2	B02130	TO116		
59		US55473J	2		2	10MΔ	MON	2.0%	.80*	TTL	4	10	0	7	50nΔ		20m	1.0 Δ	-55	125	2	B02130	TO88		
60	#	10-73	2		2	15MΔ	MON	2.0%	.80*	TTL	4	8	0.0	7.0	30n%		40mΔ	1.2 Δ	0	70	2	B0291	M126		
61		DM8500E	2		2	15MΔ	MON	2.0%	.80*	TTL	5	10	0	7	45nΔ		170m	1.0	0	70	2	B0292	M146		
62		DM8501D	2		2	15MΔ	MON	2.0%	.80*	TTL	4	10	0	7	45nΔ		170m	1.0	0	70	2	B0291	M75f		
63		ITT5472J	2		2	15MΔ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	150nΔ		10m t		-55	125	1	B02204	M157		
64		ITT5473J	2		2	15MΔ	MON	2.0%	.80*	TTL	4	20	0.0	5.0	36n		20m t		-55	125	2	B02205	M157		
65		ITT5476J	2		2	15MΔ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	36n		20m t		-55	125	2	B02205a	M153a		
66		ITT7472J	2		2	15MΔ	MON	2.0%	.80*	TTL	9	10	0.0	5.0	150nΔ		10m t		0	70	1	B02204	M157		
67		ITT7473J	2		2	15MΔ	MON	2.0%	.80*	TTL	4	20	0.0	5.0	36n		20m t		0	70	2	B02205	M157		
68		ITT7476J	2		2	15MΔ	MON	2.0%	.80*	TTL	5	20	0.0	5.0	36n		20m t		0	70	2	B02205a	M153a		
69		NC7473N	2		2	15MΔ	MON	2.0%	.80*	TTL															

4. BINARY/FLIP-FLOPS

IN ORDER OF: (1)TYPE FLIP-FLOP (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	TYPE No.	1	TYPE OF FLIP-FLOP	5	MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN IN	OUT MAX.	POWER SUPPLY SPAN		PROPAGA-TION DELAY (s)	MAX. RISE TIME		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS		
							3	LEVEL	TYPE			2	NEG (V)		POS (V)	tr (s)			FALL TIME tf (s)	LOW °C		HI °C	LOGIC DWG. No	OUTLINE DWG. No Δ=MO
1	BL7473Y	2	2	20M	MON	2.0%	80*	TTL	4	10	0.0	5.0	40nΔ	150n	150n	100mΔ	400m	0	70	2	B02282	FC10		
2	FF983	2	2	20M	PCB	2.0%	80*	TTL	9	10	0.0	5.0	50n	150n	150n	225mΔ	400m	0	70	5		CBZ		
3	FJJ101	2	2	20MΔ	MON	2.0%	80*	TTL	9	10	0.0	5.0	50nΔ	150n	150n	70mΔ	400m	0	70	1	B022	TO116		
4	FJJ101-7470	2	2	20M	MON	2.0%	80*	TTL	9	10	0.0	5.0	50nΔ	150n	150n	70mΔ	400m	0	70	1	B02236	M126f		
5	FJJ106	2	2	20MΔ	MON	2.0%	80*	TTL	9	10	0.0	5.0	50nΔ	150n	150n	70mΔ	400m	0	70	1	B022	TO116		
6	GF87470	2	2	20MΔ	MON	2.0%	80*	TTL	9	10	0.0	5.0	50nΔ	150n	150n	70mΔ	400m	0	70	1	B022	TO116		
7	MIC5472J	2	2	20MΔ	MON	2.0%	80*	TTL	9	10	0.0	5.0	40nΔ	150n	150n	50mΔ	400m	-55	125	1	B02221	TO116		
8	MIC5473J	2	2	20MΔ	MON	2.0%	80*	TTL	4	10	0.0	5.0	40nΔ	150n	150n	100mΔ	400m	-55	125	2	B02205	TO116		
9	MIC5476J	2	2	20MΔ	MON	2.0%	80*	TTL	5	10	0.0	5.0	40nΔ	150n	150n	100mΔ	400m	-55	125	2	B02205a	M153g		
10	MIC6472J	2	2	20MΔ	MON	2.0%	80*	TTL	9	10	0.0	5.0	40nΔ	150n	150n	50mΔ	400m	-40	85	1	B02205	TO116		
11	MIC6473J	2	2	20MΔ	MON	2.0%	80*	TTL	4	10	0.0	5.0	40nΔ	150n	150n	100mΔ	400m	-40	85	2	B02205	TO116		
12	MIC6476J	2	2	20MΔ	MON	2.0%	80*	TTL	5	10	0.0	5.0	40nΔ	150n	150n	100mΔ	400m	-40	85	2	B02205a	M153a		
13	MIC7472J	2	2	20MΔ	MON	2.0%	80*	TTL	9	10	0.0	5.0	40nΔ	150n	150n	50mΔ	400m	0	75	1	B02221	TO116		
14	MIC7472N	2	2	20MΔ	MON	2.0%	80*	TTL	9	10	0.0	5.0	40nΔ	150n	150n	50mΔ	400m	0	75	1	B02221	M126x		
15	MIC7473J	2	2	20MΔ	MON	2.0%	80*	TTL	4	10	0.0	5.0	40nΔ	150n	150n	100mΔ	400m	0	75	2	B02205	TO116		
16	MIC7473N	2	2	20MΔ	MON	2.0%	80*	TTL	4	10	0.0	5.0	40nΔ	150n	150n	100mΔ	400m	0	75	2	B02205	M126x		
17	MIC7476J	2	2	20MΔ	MON	2.0%	80*	TTL	5	10	0.0	5.0	40nΔ	150n	150n	100mΔ	400m	0	75	2	B02205a	M153g		
18	MIC7476N	2	2	20MΔ	MON	2.0%	80*	TTL	5	10	0.0	5.0	40nΔ	150n	150n	100mΔ	400m	0	75	2	B02205a	M117ab		
19	MIC54107J	2	2	20MΔ	MON	2.0%	80*	TTL	4	10	0.0	5.0	40nΔ	150n	150n	100mΔ	400m	-55	125	2	B02203a	TO116		
20	MIC64107J	2	2	20MΔ	MON	2.0%	80*	TTL	4	10	0.0	5.0	40nΔ	150n	150n	100mΔ	400m	-40	85	2	B02203a	TO116		
21	MIC74107J	2	2	20MΔ	MON	2.0%	80*	TTL	4	10	0.0	5.0	40nΔ	150n	150n	100mΔ	400m	0	75	2	B02203a	TO116		
22	MIC74107N	2	2	20MΔ	MON	2.0%	80*	TTL	4	10	0.0	5.0	40nΔ	150n	150n	100mΔ	400m	0	75	2	B02203a	M126x		
23	N7472A	2	2	20MΔ	MON	2.0%	80*	TTL	9	10	0.0	5.0	40nΔ	150n	150n	100ms	1.0	0	70	1	B0288	M318		
24	N7473A	2	2	20MΔ	MON	2.0%	80*	TTL	4	10	0.0	5.0	40nΔ	150n	150n	200ms	1.0	0	70	2	B02203	M318		
25	N7476B	2	2	20MΔ	MON	2.0%	80*	TTL	5	10	0.0	5.0	40nΔ	150n	150n	200ms	1.0	0	70	2	B02275	M317		
26	N74107A	2	2	20MΔ	MON	2.0%	80*	TTL	4	10	0.0	5.0	40nΔ	150n	150n	200ms	1.0	0	70	2	B02251	M318		
27	NC7476N	2	2	20MΔ	MON	2.0%	80*	TTL	4	20	0.0	5.0	40nΔ	150n	150n	1.0	0	70	2	B0292	M117			
28	S5472A	2	2	20MΔ	MON	2.0%	80*	TTL	9	10	0.0	5.0	40nΔ	150n	150n	100ms	1.0	-55	125	1	B0288	M318		
29	S5473A	2	2	20MΔ	MON	2.0%	80*	TTL	4	10	0.0	5.0	40nΔ	150n	150n	200ms	1.0	-55	125	2	B02203	M318		
30	S54107A	2	2	20MΔ	MON	2.0%	80*	TTL	4	10	0.0	5.0	40nΔ	150n	150n	200ms	1.0	-55	125	2	B02251	M318		
31	SN5476N	2	2	20MΔ	MON	2.0%	80*	TTL	5	20	0.0	5.0	20n	150n	150n	100mΔ	1.0	-55	125	2	B0292	M117		
32	SN7473W	2	2	20MΔ	MON	2.0%	80*	TTL	8	40	0.0	5.0	40nΔ	150n	150n	1.0	0	70	2	B0291	TO84			
33	SN54107N	2	2	20MΔ	MON	2.0%	80*	TTL	5	10	0.0	5.0	40nΔ	150n	150n	200ms	1.0	-55	125	2	B02211	M126e		
34	SN54110N	2	2	20MΔ	MON	2.0%	80*	TTL	9	20	0.0	5.0	30nΔ	150n	150n	100ms	1.0	-55	125	1	B02261	M126e		
35	SN54111N	2	2	20MΔ	MON	2.0%	80*	TTL	5	20	0.0	5.0	30nΔ	150n	150n	140ms	1.0	-55	125	2	B02262	M117		
36	SN74110W	2	2	20MΔ	MON	2.0%	80*	TTL	9	20	0.0	5.0	30nΔ	150n	150n	100ms	1.0	0	70	1	B02261	TO84		
37	SW74107J	2	2	20MΔ	MON	2.0%	80*	TTL	4	10	0.0	5.25	40n	150n	150n	1.0	0	70	2	B02213a	M114			
38	SW74107N	2	2	20MΔ	MON	2.0%	80*	TTL	4	10	0.0	5.25	40n	150n	150n	1.0	0	70	2	B02213a	M105n			
39	T7473B1	2	2	20MΔ	MON	2.0%	80*	TTL	4	10	0.0	5.0	40nΔ	150n	150n	800ms	1.0	0	70	2	B0835	M126u		
40	T7473D1	2	2	20MΔ	MON	2.0%	80*	TTL	4	10	0.0	5.0	40nΔ	150n	150n	800ms	1.0	0	70	2	B0835	M294		
41	T7473D2	2	2	20MΔ	MON	2.0%	80*	TTL	4	10	0.0	5.0	40nΔ	150n	150n	800ms	1.0	-55	125	2	B0835	M294		
42	T7476B1	2	2	20MΔ	MON	2.0%	80*	TTL	5	10	0.0	5.0	40nΔ	150n	150n	200ms	1.0	0	70	2	B02275	M267		
43	T7476D1	2	2	20MΔ	MON	2.0%	80*	TTL	5	10	0.0	5.0	40nΔ	150n	150n	200ms	1.0	0	70	2	B02275	M200m		
44	T7476D2	2	2	20MΔ	MON	2.0%	80*	TTL	5	10	0.0	5.0	40nΔ	150n	150n	200ms	1.0	-55	125	2	B02275	M200m		
45	T74107D1	2	2	20MΔ	MON	2.0%	80*	TTL	4	10	0.0	5.0	40nΔ	150n	150n	200ms	1.0	0	70	2	B02203a	M294		
46	TL7472N	2	2	20M1%	MON	2.0%	80*	TTL	9	10	0.0	5.0	40nΔ	150n	150n	105mΔ	0	0	70	1	B022	M126n		
47	TL7473N	2	2	20M1%	MON	2.0%	80*	TTL	4	10	0.0	5.0	40nΔ	150n	150n	210mΔ	0	0	70	2	B0291	M126n		
48	TL7476N	2	2	20M1%	MON	2.0%	80*	TTL	5	10	0.0	5.0	40nΔ	150n	150n	210mΔ	0	0	70	2	B0292	M117u		
49	TL8472N	2	2	20M1%	MON	2.0%	80*	TTL	9	10	0.0	5.0	40nΔ	150n	150n	105mΔ	-25	85	1	B022	M126n			
50	TL8476N	2	2	20M1%	MON	2.0%	80*	TTL	5	10	0.0	5.0	40nΔ	150n	150n	210mΔ	-25	85	2	B0292	M117u			
51	10-74	2	2	25M%	MON	2.0%	80*	TTL	4	8	0.0	7.0	24n	150n	150n	43mΔ	1.2	0	70	2	B0289	M126		
52	7473PCΔ	2	2	25M%	MON	2.0%	80*	TTL	4	10	0.0	5.0	40nΔ	150n	150n	200m	0	0	70	2	B02322	M665		
53	74107PCΔ	2	2	25M%	MON	2.0%	80*	TTL	4	10	0.0	5.0	40nΔ	150n	150n	200m	0	0	70	2	B02322	M665		
54	ITT74LS109A	2	2	25M%	MON	2.0%	80*	TTL	5	10	0.0	5.0	25nΔ	150n	150n	20mΔ	0	0	70	2	B02300	MZ		
55	MIC54109J	2	2	25M	MON	2.0%	80*	TTL	5	20	0.0	5.0	15n	150n	150n	140mΔ	1.0	-55	125	2	B02260	M153a		
56	MIC64109J	2	2	25M	MON	2.0%	80*	TTL	5	20	0.0	5.0	15n	150n	150n	140mΔ	1.0	-40	85	2	B02260	M153a		
57	MIC74109J	2	2	25M	MON	2.0%	80*	TTL	5	20	0.0	5.0	15n	150n	150n	140mΔ	1.0	0	75	2	B02260	M153a		
58	MIC74109N	2	2	25M	MON	2.0%	80*	TTL	5	20	0.0	5.0	15n	150n	150n	140mΔ	1.0	0	75	2	B02260	M153a		
59	N74H71A	2	2	25MΔ	MON	2.0%	80*	TTL	10	10	0.0	5.0	22n	150n	150n	150mΔ	0	0	70	1	B0297	M318		
60	N74H72A	2	2	25MΔ	MON	2.0%	80*	TTL	9	10	0.0	5.0	27nΔ	150n	150n	125mΔ	0	0	70	1	B02248	M318		
61	N74H73A	2	2	25MΔ	MON	2.0%	80*	TTL	4	10	0.0	5.0	27nΔ	150n	150n	250mΔ	0	0	70	2	B02249	M318		
62	N74H76B	2	2	25MΔ	MON	2.0%	80*	TTL	5	10	0.0	5.0	27nΔ	150n	150n	250ms	0	0	70	2	B0292	M317		
63	N74LS109B	2	2	25M	MON	2.0%	80*	TTL	5	10	0.0	5.0	25n	150n	150n	40m	0	0	70	2	B02293	M256		
64	RSN54H103H	2	2	25MΔ	MON	2.0%	80*	TTL	4	10	0.0	5.0	15nΔ	150n	150n	260mΔ	-55	125	2	B02284	FF69b			
65	S54H71A	2	2	25MΔ	MON	2.0%	80*	TTL	10	10	0.0	5.0	22n	150n	150n	150mΔ								

4. BINARY/FLIP-FLOPS

IN ORDER OF: (1)TYPE FLIP-FLOP (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	1 OF FLIP-FLOP	5 MAX OPERATING FREQ.	PRO-CESS	LOGIC			FAN IN	OUT MAX.	POWER SUPPLY SPAN		PROPAGA-TION DELAY (s)	MAX. RISE TIME tr (s)		FALL TIME tf (s)	TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					3 LEVEL	4 TYPE	2			NEG (V)	POS (V)		LOW °C	HI °C				LOGIC DWG. No	OUTLINE DWG. No Δ=MO			
																					'1' (V)	'0' (V)
1	N74LS114A	2	30M	MON	2.0%	.80*	TTL	5	20	0.0	5.0	25n				40m		0	70	2	B02281	M318
2	NC74H71N	2	30M	MON	2.0%	.80*	TTL	10	20	0.0	7.0	27nΔ						0	70	1	B0297	M126
3	NC74H72N	2	30M	MON	2.0%	.80*	TTL	9	20	0.0	7.0	27nΔ						0	70	1	B0295	M126
4	SN54H71F	2	30M	MON	2.0%	.80*	TTL	10	20	0	7	27nΔ						-55	125	1	B0297	TO84
5	SN54H71N	2	30M	MON	2.0%	.80*	TTL	10	20	0	7	27nΔ						-55	125	1	B0297	M126
6	SN54H72F	2	30M	MON	2.0%	.80*	TTL	9	20	0	7	27nΔ						-55	125	1	B0295	TO84
7	SN54H72N	2	30M	MON	2.0%	.80*	TTL	9	20	0	7	27nΔ						-55	125	1	B0295	M126
8	SN54H73F	2	30M	MON	2.0%	.80*	TTL	4	20	0.0	7.0	19n%				80mΔ	1.0 Δ	-55	125	2	B02155a	TO84
9	SN54H73N	2	30M	MON	2.0%	.80*	TTL	4	20	0.0	7.0	19n%				80mΔ	1.0 Δ	-55	125	2	B02155a	M126
10	SN54H76N	2	30M	MON	2.0%	.80*	TTL	5	20	0.0	5.0	20n				160mΔ	1.0 Δ	-55	125	2	B0292	M117
11	SN54H78F	2	30M	MON	2.0%	.80*	TTL	5	20	0.0	7.0	19n%				80mΔ	1.0 Δ	-55	125	2	B02155	TO84
12	SN54H78N	2	30M	MON	2.0%	.80*	TTL	5	20	0.0	7.0	19n%				80mΔ	1.0 Δ	-55	125	2	B02155	M126
13#	SN64L71N	2	30M	MON	2.0%	.80*	TTL	10	20	0.0	7.0	27nΔ				43mΔ	1.0	-40	85	1	B0297	M126
14#	SN64L72N	2	30M	MON	2.0%	.80*	TTL	9	20	0.0	7.0	27nΔ				43mΔ	1.0	-40	85	1	B0295	M126
15#	SN64L73N	2	30M	MON	2.0%	.80*	TTL	4	20	0.0	7.0	19n%				80mΔ	1.0 Δ	-40	85	2	B02155a	M126
16#	SN64L78N	2	30M	MON	2.0%	.80*	TTL	5	20	0.0	7.0	19n%				80mΔ	1.0 Δ	-40	85	2	B02155	M126
17	SN74H71F	2	30M	MON	2.0%	.80*	TTL	10	20	0	7	27nΔ						0	70	1	B0297	TO84
18	SN74H71W	2	30M	MON	2.0%	.80*	TTL	10	20	0.0	5.0	27nΔ						0	70	1	B0297	TO84
19	SN74H72F	2	30M	MON	2.0%	.80*	TTL	9	20	0	7	27nΔ						0	70	1	B0295	TO84
20	SN74H72W	2	30M	MON	2.0%	.80*	TTL	9	20	0.0	5.0	27nΔ						0	70	1	B0295	TO84
21	SN74H73F	2	30M	MON	2.0%	.80*	TTL	4	20	0.0	7.0	27nΔ				80mΔ	1.0 Δ	0	70	2	B02155a	TO84
22	SN74H73W	2	30M	MON	2.0%	.80*	TTL	4	20	0.0	5.0	27nΔ				184mΔ	1.0 Δ	0	70	2	B02155a	TO84
23	SN74H76W	2	30M	MON	2.0%	.80*	TTL	5	10	0.0	5.0	20n						0	70	2	B0292	TO84
24	SN74H78F	2	30M	MON	2.0%	.80*	TTL	5	20	0.0	7.0	27nΔ				80mΔ	1.0 Δ	0	70	2	B02155	TO84
25	SN74H78W	2	30M	MON	2.0%	.80*	TTL	5	20	0.0	5.0	27nΔ				184mΔ	1.0 Δ	0	70	2	B02155	TO84
26	US54H71A	2	30M	MON	2.0%	.80*	TTL	10	20	0.0	5.0	27nΔ						-55	125	1	B0297	M105b
27	US54H71J	2	30M	MON	2.0%	.80*	TTL	10	20	0.0	5.0	27nΔ						-55	125	1	B0297	TO88
28	US54H72A	2	30M	MON	2.0%	.80*	TTL	9	20	0.0	5.0	27nΔ						-55	125	1	B0295	M105b
29	US54H72J	2	30M	MON	2.0%	.80*	TTL	9	20	0.0	5.0	27nΔ						-55	125	1	B0295	TO88
30	US54H73A	2	30M	MON	2.0%	.80*	TTL	4	20	0.0	5.0	27nΔ				80mΔ	1.0 Δ	-55	125	2	B02155a	M105b
31	US54H73J	2	30M	MON	2.0%	.80*	TTL	4	20	0.0	5.0	27nΔ				80mΔ	1.0 Δ	-55	125	2	B02155a	TO88
32	US54H76A	2	30M	MON	2.0%	.80*	TTL	5	20	0.0	5.0	27nΔ				160mΔ	1.0 Δ	-55	125	2	B0292	M105b
33	US54H76J	2	30M	MON	2.0%	.80*	TTL	5	20	0.0	5.0	27nΔ				160mΔ	1.0 Δ	-55	125	2	B0292	TO88
34	US54H78A	2	30M	MON	2.0%	.80*	TTL	5	20	0.0	5.0	27nΔ				80m	1.0 Δ	-55	125	2	B02155	M105b
35	US54H78J	2	30M	MON	2.0%	.80*	TTL	5	20	0.0	5.0	27nΔ				80m	1.0 Δ	-55	125	2	B02155	TO88
36	US74H71A	2	30M	MON	2.0%	.80*	TTL	10	20	0.0	5.0	27nΔ						0	70	1	B0297	M105b
37	US74H71J	2	30M	MON	2.0%	.80*	TTL	10	20	0.0	5.0	27nΔ						0	70	1	B0297	TO88
38	US74H72A	2	30M	MON	2.0%	.80*	TTL	9	20	0.0	5.0	27nΔ						0	70	1	B0295	M105b
39	US74H72J	2	30M	MON	2.0%	.80*	TTL	9	20	0.0	5.0	27nΔ						0	70	1	B0295	TO88
40	US74H73A	2	30M	MON	2.0%	.80*	TTL	4	20	0.0	5.0	27nΔ				80mΔ	1.0 Δ	0	70	2	B02155a	M105b
41	US74H73J	2	30M	MON	2.0%	.80*	TTL	4	20	0.0	5.0	27nΔ				80mΔ	1.0 Δ	0	70	2	B02155a	TO88
42	US74H76A	2	30M	MON	2.0%	.80*	TTL	5	20	0.0	5.0	27nΔ				160mΔ	1.0 Δ	0	70	2	B0292	M105b
43	US74H76J	2	30M	MON	2.0%	.80*	TTL	5	20	0.0	5.0	27nΔ				160mΔ	1.0 Δ	0	70	2	B0292	TO88
44	US74H78A	2	30M	MON	2.0%	.80*	TTL	5	20	0.0	5.0	27nΔ				80m	1.0 Δ	0	70	2	B02155	M105b
45	US74H78J	2	30M	MON	2.0%	.80*	TTL	5	20	0.0	5.0	27nΔ				80m	1.0 Δ	0	70	2	B02155	TO88
46	US5471A	2	30M	MON	2.0%	.80*	TTL	10	20	0.0	7.0	27nΔ						-55	125	1	B0297	M105b
47	US5471J	2	30M	MON	2.0%	.80*	TTL	10	20	0.0	7.0	27nΔ						-55	125	1	B0297	TO88
48	US7471A	2	30M	MON	2.0%	.80*	TTL	10	20	0.0	7.0	27nΔ						0	70	1	B0297	M105b
49	US7471J	2	30M	MON	2.0%	.80*	TTL	10	20	0.0	7.0	27nΔ						0	70	1	B0297	TO88
50#	74109PC	2	33M	MON	2.0%	.80*	TTL	9	10	0.0	5.0	35n						0	70	2	B02260	M562
51	N7470A	2	35M	MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ				75m		0	70	1	B0273	M318
52	S5470A	2	35M	MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ				130mΔ	1.0 Δ	-55	125	1	B0273	M318
53#	TL7470N	2	35M	MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ				136mΔ		0	70	1	B022	M126n
54#	TL8470N	2	35M	MON	2.0%	.80*	TTL	9	10	0.0	5.0	50nΔ				136mΔ		-25	85	1	B022	M126n
55#	GJB74H72P	2	40M	MON	2.0%	.80*	TTL	9	10	0.0	5.0	27nΔ				84mΔ	400m	0	70	1	B0294c	M126n
56#	GJJ111	2	40M	MON	2.0%	.80*	TTL	9	10	0.0	5.0	27nΔ				84mΔ	400m	0	70	1	B0294c	M126n
57	N74H101A	2	40M	MON	2.0%	.80*	TTL	10	10	0.0	5.0	23n				190mΔ		0	70	1	B02219	M318
58	N74H102A	2	40M	MON	2.0%	.80*	TTL	9	10	0.0	5.0	23n				190mΔ		0	70	1	B02220	M318
59	N74H103A	2	40M	MON	2.0%	.80*	TTL	4	10	0.0	5.0	23n				380mΔ		0	70	2	B02203	M318
60	N74H106B	2	40M	MON	2.0%	.80*	TTL	5	10	0.0	5.0	23n				380mΔ		0	70	2	B02275	M317
61	N74H108A	2	40M	MON	2.0%	.80*	TTL	10	10	0.0	5.0	23n				380mΔ		0	70	2	B02227	M318
62	S54H101A	2	40M	MON	2.0%	.80*	TTL	5	10	0.0	5.0	23n				190mΔ		-55	125	1	B02219	M318
63	S54H102A	2	40M	MON	2.0%	.80*	TTL	9	10	0.0	5.0	23n				190mΔ		-55	125	1	B02220	M318
64	S54H103A	2	40M	MON	2.0%	.80*	TTL	4	10	0.0	5.0	23n				380mΔ		-55	125	2	B02203	M318
65	S54H106B	2	40M	MON	2.0%	.80*	TTL	5	10	0.0	5.0	23n				380mΔ		-55	125	2	B02275	M317
66	S54H108A	2	40M	MON	2.0%	.80*	TTL	5	10	0.0	5.0	23n				380mΔ		-55	125	2	B02227	M318
67	9LS73DC	2	45M	MON	2.0%	.80*	TTL	3	5	0.0	5.0	16n				40mΔ	300m	0	75	2	B0291	TO116
68	9LS73FC	2	45M	MON	2.0%	.80*	TTL	3	5	0.0	5.0	16n				40mΔ	300m	0	75	2	B0291	TO86
69	9LS73PC	2	45M	MON	2.0%	.80*	TTL	3	5	0.0	5.0	16n				40mΔ	300m	0	75	2	B0291	TO116
70	9LS109DC	2	45M	MON	2.0%	.80*	TTL	4	5	0.0	5.0	26n				40mΔ	300m	0	75	2	B02300	TO116
71	9LS109FC	2	45M	MON	2.0%	.80*	TTL	4	5	0.0	5.0	26n				40mΔ	300m	0	75	2	B02300	TO86
72	9LS109PC	2	45M																			

4. BINARY/FLIP-FLOPS

IN ORDER OF: (1)TYPE FLIP-FLOP (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPAGA-TION DELAY (s)	MAX. FALL TIME		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					LEVEL	TYPE	2	IN	OUT MAX.	NEG (V)	POS (V)		RISE TIME (tr)	FALL TIME (tf)			LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=MO
1	T54S76J	2	60MΔ	MON	2.0%	80*	TTL	5	10	0.0	5.0	25nΔ			380mΔ		-55	125	2	B02275	M352
2	T54S78J	2	60MΔ	MON	2.0%	80*	TTL	9	10	0.0	5.0	25nΔ			380mΔ		-55	125	1	B02277	M157c
3	T54S107J	2	60MΔ	MON	2.0%	80*	TTL	4	10	0.0	5.0	25nΔ			380mΔ		-55	125	2	B02276	M157c
4	T74S73J	2	60MΔ	MON	2.0%	80*	TTL	4	10	0.0	5.0	25nΔ			380mΔ		0	70	2	B02274	M157c
5	T74S76J	2	60MΔ	MON	2.0%	80*	TTL	5	10	0.0	5.0	25nΔ			380mΔ		0	70	2	B02275	M352
6	T74S78J	2	60MΔ	MON	2.0%	80*	TTL	9	10	0.0	5.0	25nΔ			380mΔ		0	70	1	B02277	M157c
7	T74S107J	2	60MΔ	MON	2.0%	80*	TTL	4	10	0.0	5.0	25nΔ			380mΔ		0	70	2	B02276	M157c
8	US54H571A	2	60MΔ	MON	2.0%	80*	TTL	10	10	0.0	5.0	7n			55mΔ	1.0 Δ	-55	125	1	B02106a	M105b
9	US54H571J	2	60MΔ	MON	2.0%	80*	TTL	10	10	0.0	5.0	7n			55mΔ	1.0 Δ	-55	125	1	B02106b	TO88
10	US54H572A	2	60MΔ	MON	2.0%	80*	TTL	10	10	0.0	5.0	7n			55mΔ	1.0 Δ	-55	125	1	B0288	M105b
11	US54H572J	2	60MΔ	MON	2.0%	80*	TTL	10	10	0.0	5.0	7n			55mΔ	1.0 Δ	-55	125	1	B0288	TO88
12	US74H571A	2	60MΔ	MON	2.0%	80*	TTL	10	10	0.0	5.0	7n			55mΔ	1.0 Δ	0	70	1	B02106a	M105b
13	US74H571J	2	60MΔ	MON	2.0%	80*	TTL	10	10	0.0	5.0	7n			55mΔ	1.0 Δ	0	70	1	B02106b	TO88
14	US74H572A	2	60MΔ	MON	2.0%	80*	TTL	10	10	0.0	5.0	7n			55mΔ	1.0 Δ	0	70	1	B0288	M105b
15	US74H572J	2	60MΔ	MON	2.0%	80*	TTL	10	10	0.0	5.0	7n			55mΔ	1.0 Δ	0	70	1	B0288	TO88
16	SN54S112N	2	80MΔ	MGN	2.0%	80*	TTL	5	20	0.0	5.0	5.0n			250mΔ	1.0 Δ	-55	125	2	B02257	M117
17	SN74S112W	2	80MΔ	MON	2.0%	80*	TTL	5	20	0.0	5.0	5.0n			250mΔ	1.0 Δ	0	70	2	B02257	Δ004AG
18	T54S103J	2	110MΔ	MON	2.0%	80*	TTL	4	10	0.0	5.0	20nΔ			380mΔ		-55	125	2	B02274	M157c
19	T54S106J	2	110MΔ	MON	2.0%	80*	TTL	5	10	0.0	5.0	20nΔ			380mΔ		-55	125	2	B02275	M352
20	T54S107AJ	2	110MΔ	MON	2.0%	80*	TTL	4	10	0.0	5.0	20nΔ			380mΔ		-55	125	2	B02276	M157c
21	T54S108J	2	110MΔ	MON	2.0%	80*	TTL	9	10	0.0	5.0	20nΔ			380mΔ		-55	125	1	B02277	M157c
22	T74S103J	2	110MΔ	MON	2.0%	80*	TTL	4	10	0.0	5.0	20nΔ			380mΔ		0	70	2	B02274	M157c
23	T74S106J	2	110MΔ	MON	2.0%	80*	TTL	5	10	0.0	5.0	20nΔ			380mΔ		0	70	2	B02275	M352
24	T74S107AJ	2	110MΔ	MON	2.0%	80*	TTL	4	10	0.0	5.0	20nΔ			380mΔ		0	70	2	B02276	M157c
25	T74S108J	2	110MΔ	MON	2.0%	80*	TTL	9	10	0.0	5.0	20nΔ			380mΔ		0	70	1	B02277	M157c
26	54S113DM	2	125MΔ	MON	2.0%	80*	TTL	4	20	0.0	5.0	5.0n			250mΔ	300m*	-55	125	2	B02258	TO116
27	54S114DM	2	125MΔ	MON	2.0%	80*	TTL	5	20	0.0	5.0	5.0n			250mΔ	300m*	-55	125	2	B02258a	TO116
28	74S112FC	2	125MΔ	MON	2.0%	80*	TTL	5	20	0.0	5.0	5.0n			250mΔ	300m*	0	70	2	B02257	FP103
29	74S113DC	2	125MΔ	MON	2.0%	80*	TTL	4	20	0.0	5.0	5.0n			250mΔ	300m*	0	70	2	B02258	TO116
30	74S113FC	2	125MΔ	MON	2.0%	80*	TTL	4	20	0.0	5.0	5.0n			250mΔ	300m*	0	70	2	B02258	FP21h
31	74S114DC	2	125MΔ	MON	2.0%	80*	TTL	5	20	0.0	5.0	5.0n			250mΔ	300m*	0	70	2	B02258a	TO116
32	74S114FC	2	125MΔ	MON	2.0%	80*	TTL	5	20	0.0	5.0	5.0n			250mΔ	400m*	0	70	2	B02258a	FP21h
33	74S114PC	2	125MΔ	MON	2.0%	80*	TTL	5	20	0.0	5.0	5.0n			250mΔ	300m*	0	70	2	B02258a	M591
34	N74S112B	2	125MΔ	MON	2.0%	80*	TTL	5	20	0.0	5.0	7.0nΔ			250mΔ	1.0 Δ	0	70	2	B02257	M317
35	N74S113A	2	125MΔ	MON	2.0%	80*	TTL	4	20	0.0	5.0	7.0nΔ			250mΔ	1.0 Δ	0	70	2	B02258	M318
36	N74S114A	2	125MΔ	MON	2.0%	80*	TTL	8	20	0.0	5.0	7.0nΔ			250mΔ	1.0 Δ	0	70	1	B02258a	M318
37	S54S112B	2	125MΔ	MON	2.0%	80*	TTL	5	20	0.0	5.0	7.0nΔ			250mΔ	1.0 Δ	-55	125	2	B02257	M317
38	S54S113A	2	125MΔ	MON	2.0%	80*	TTL	4	20	0.0	5.0	7.0nΔ			250mΔ	1.0 Δ	-55	125	2	B02258	M318
39	S54S114A	2	125MΔ	MON	2.0%	80*	TTL	8	20	0.0	5.0	7.0nΔ			250mΔ	1.0 Δ	-55	125	1	B02258a	M318
40	TF54S112F	2	125MΔ	MON	2.0%	80*	TTL	5	20	0.0	5.0	7.0nΔ			250mΔ		-55	125	2	B02257	FP101
41	TF54S112J	2	125MΔ	MON	2.0%	80*	TTL	5	20	0.0	5.0	7.0nΔ			250mΔ		-55	125	2	B02257	M352
42	TF54S113F	2	125MΔ	MON	2.0%	80*	TTL	4	20	0.0	5.0	7.0nΔ			250mΔ		-55	125	2	B02258	TO86
43	TF54S113J	2	125MΔ	MON	2.0%	80*	TTL	4	20	0.0	5.0	7.0nΔ			250mΔ		-55	125	2	B02258	M157c
44	TF54S114F	2	125MΔ	MON	2.0%	80*	TTL	5	20	0.0	5.0	7.0nΔ			250mΔ		-55	125	2	B02258a	TO86
45	TF54S114J	2	125MΔ	MON	2.0%	80*	TTL	5	20	0.0	5.0	7.0nΔ			250mΔ		-55	125	2	B02258a	M157c
46	TF74S112F	2	125MΔ	MON	2.0%	80*	TTL	5	20	0.0	5.0	7.0nΔ			250mΔ		0	70	2	B02257	FP101
47	TF74S112J	2	125MΔ	MON	2.0%	80*	TTL	5	20	0.0	5.0	7.0nΔ			250mΔ		0	70	2	B02257	M352
48	TF74S113F	2	125MΔ	MON	2.0%	80*	TTL	4	20	0.0	5.0	7.0nΔ			250mΔ		0	70	2	B02258	TO86
49	TF74S113J	2	125MΔ	MON	2.0%	80*	TTL	4	20	0.0	5.0	7.0nΔ			250mΔ		0	70	2	B02258	M157c
50	TF74S114F	2	125MΔ	MON	2.0%	80*	TTL	5	20	0.0	5.0	7.0nΔ			250mΔ		0	70	2	B02258a	TO86
51	TF74S114J	2	125MΔ	MON	2.0%	80*	TTL	5	20	0.0	5.0	7.0nΔ			250mΔ		0	70	2	B02258a	M157c
52	D4201	2	10M	PCB	2.0%	95*	TTL	6	10	0	5	30n%	10nΔ	10n	275m	1.0	0	75			CBCJ
53#	FHJ101A	2	30M	MON	2.3%	40*	TTL	9	0	0	5				40m		0	70	1	B02107	TO116
54#	FHJ101B	2	30M	MON	2.3%	40*	TTL	5	0	0	5				40m		0	70	1	B02107	TO116
55#	FHJ121A	2	30M	MON	2.3%	40*	TTL	9	0	0	5				70m		0	70	1	B02109	TO116
56#	FHJ121B	2	30M	MON	2.3%	40*	TTL	5	0	0	5				70m		0	70	1	B02109	TO116
57#	3IH9020-1	2		MON	2.4%	40*Δ	TTL	5	10	0.0	5.0					1.0					FP32
58#	3IH9022-1	2		MON	2.4%	40*Δ	TTL	5	10	0.0	5.0					1.0					FP32
59#	9020-1	2		MON	2.4%	4*Δ	TTL	5	10	0	5					1.0	-55	125	2		
60#	9022-1	2		MON	2.4%	4*Δ	TTL	5	10	0	5					1.0	-55	125	2		
61	MC7476P	2	15M%	MON	2.4%	40*†	TTL	5	10	0.0	5.0	30n			80m†		0	70	2	B02196	M278
62	MC3063L,P%	2	30M%	MON	2.4%	40*†	TTL	4	10	0.0	5.0	10n%			176m†	700m	0	75	2	B02233	TO116
63	MC3163L	2	30M%	MON	2.4%	40*†	TTL	4	10	0.0	5.0	10n%			176m†	700m	-55	125	2	B02233	TO116
64	MCE54H73F	2	30MΔ	MON	2.4%	40†*	TTL	4	10	0.0	5.0	15n%			140m†		-55	125	1	B02196b	TO86
65	MCE74H73F	2	30MΔ	MON	2.4%	40†*	TTL	4	10	0.0	5.0	15n%			140m†		0	70	1	B02196b	TO86
66	MCE54H72F	2	50MΔ	MON	2.4%	40†*	TTL	9	10	0.0	5.0	16n%			70m†		-55	125	1	B02235	TO86
67	MCE74H72F	2	50MΔ	MON	2.4%	40†*	TTL	9	10	0.0	5.0	16n%			70m†		0	70	1	B02235	TO86
68	MCE54103F	2	50M1%	MON	2.4%	40†*	TTL	4	10	0.0	5.0	12n%			100m†		-55	125	2	B02270	TO86
69	MCE74103F	2	50M1%	MON	2.4%	40†*	TTL	4	10	0.0	5.0	12n%			100m†		0	70	2	B02270	TO86
70#	3IH9020-9	2		MON	2.4%	45*Δ	TTL	5	10	0.0	5.0					1.0	0	75	2		FP32
71#	3IH9022-9	2		MON	2.4%	45*Δ	TTL	5	10	0.0	5.0					1.0	0	75	2		FP32
72#	9020-9	2		MON	2.4%	45*Δ	TTL	5													

4. BINARY/FLIP-FLOPS

IN ORDER OF: (1)TYPE FLIP-FLOP (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	1	TYPE OF FLIP-FLOP	5	MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME		MAX. FALL TIME (s)	TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
							LEVEL		TYPE	IN	OUT MAX.	NEG (V)	POS (V)		tr (s)	tf (s)				LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=MO
							3	4																
1	RF122BL	2	50MT	MON	3.0%	40*	TTL	4	9	0.0	5.0	15nΔ	110mt	700m	0	75	2	B02264	CH4					
2	RF123BL	2	50MT	MON	3.0%	40*	TTL	4	5	0.0	5.0	15nΔ	110mt	700m	0	75	2	B02264	CH4					
3	RF130BL	2	50MT	MON	3.0%	40*	TTL	8	11	0.0	5.0	15nΔ	110mt	700m	-55	125	2	B02264a	CH4					
4	RF131BL	2	50MT	MON	3.0%	40*	TTL	8	6	0.0	5.0	15nΔ	110mt	700m	-55	125	2	B02264a	CH4					
5	RF132BL	2	50MT	MON	3.0%	40*	TTL	8	9	0.0	5.0	15nΔ	110mt	700m	0	75	2	B02264a	CH4					
6	RF133BL	2	50MT	MON	3.0%	40*	TTL	8	5	0.0	5.0	15nΔ	110mt	700m	0	75	2	B02264a	CH4					
7	RF200BL	2	50MT	MON	3.0%	40*	TTL	10	11	0.0	5.0	15nΔ	50mt	900m	-55	125	1	B02265	CH5					
8	RF201BL	2	50MT	MON	3.0%	40*	TTL	10	61	0.0	5.0	15nΔ	50mt	900m	-55	125	1	B02265	CH5					
9	RF202BL	2	50MT	MON	3.0%	40*	TTL	10	91	0.0	5.0	15nΔ	50mt	900m	0	75	1	B02265	CH5					
10	RF203BL	2	50MT	MON	3.0%	40*	TTL	10	51	0.0	5.0	15nΔ	50mt	900m	0	75	1	B02265	CH5					
11	RF3202K	2	90MT	MON	3.0%	45*†	TTL	8	91	0.0	5.0	12nΔ	3.0n	2.5n	50mt	1.1	0	75	1	B02231	FP21b			
12	RF3212K	2	90MT	MON	3.0%	45*†	TTL	8	91	0.0	5.0	12nΔ	3.0n	2.5n	50mt	1.1	0	75	1	B02232	FP21b			
13	RF252K	2	30MT	MON	3.1%	40*	TTL	10	91	0.0	5.0	25nΔ	6.0n	4.0n	50mt	900m	0	75	1	B02107	FP21b			
14	RF253K	2	30MT	MON	3.1%	40*	TTL	8	51	0.0	5.0	25nΔ	6.0n	4.0n	50mt	900m	0	75	1	B02107	FP21b			
15	RF3200K	2	90MT	MON	3.1%	40*†	TTL	8	111	0.0	5.0	12nΔ	3.0n	2.5n	50mt	1.1	-55	125	1	B02231	FP21b			
16	RF3210K	2	90MT	MON	3.1%	40*†	TTL	8	111	0.0	5.0	12nΔ	3.0n	2.5n	60mt	1.1	-55	125	1	B02232	FP21b			
17	RF250K	2	30MT	MON	3.2%	40*	TTL	10	111	0.0	5.0	25nΔ	6.0n	4.0n	50mt	900m	-55	125	1	B02107	FP21b			
18	RF251K	2	30MT	MON	3.2%	40*	TTL	10	61	0.0	5.0	25nΔ	6.0n	4.0n	50mt	900m	-55	125	1	B02107	FP21b			
19	MC515L	2	20M	MON	3.3	26	TTL	10	15	0	5	25nΔ	5.0n	8.0n	40m	900m	-55	125	1	B02105	TO116			
20	6F50G	2	20M	MON	3.3	26	TTL	10	15	0	5	25nΔ	5.0n	8.0n	40m	900m	-55	125	1	B0274	TO84			
21	6F50K	2	20M	MON	3.3	26	TTL	10	15	0	5	25nΔ	5.0n	8.0n	40m	900m	-55	125	1	B0274	TO116			
22	6F51G	2	20M	MON	3.3	26	TTL	10	7	0	5	25nΔ	5.0n	8.0n	40m	900m	-55	125	1	B0274	TO84			
23	6F51K	2	20M	MON	3.3	26	TTL	10	7	0	5	25nΔ	5.0n	8.0n	40m	900m	-55	125	1	B0274	TO116			
24	6F52D	2	20M	MON	3.3	26	TTL	10	12	0	5	25nΔ	5.0n	8.0n	40m	900m	0	75	1	B0274	TO116			
25	6F52G	2	20M	MON	3.3	26	TTL	10	12	0	5	25nΔ	5.0n	8.0n	40m	900m	0	75	1	B0274	TO84			
26	6F53D	2	20M	MON	3.3	26	TTL	10	6	0	5	25nΔ	5.0n	8.0n	40m	900m	0	75	1	B0274	TO116			
27	6F53G	2	20M	MON	3.3	26	TTL	10	6	0	5	25nΔ	5.0n	8.0n	40m	900m	0	75	1	B0274	TO84			
28 #	MMF50	2	20M	MON	3.3	26	TTL	10	15	0.0	5.0	25n	5.0n	8.0n	40m	900m	-55	125	1					
29 #	MMF51	2	20M	MON	3.3	26	TTL	10	7	0.0	5.0	25n	5.0n	8.0n	40m	900m	-55	125	1					
30 #	MMF52	2	20M	MON	3.3	26	TTL	10	12	0.0	5.0	25n	5.0n	8.0n	40m	900m	0	70	1					
31 #	MMF53	2	20M	MON	3.3	26	TTL	10	6	0.0	5.0	25n	5.0n	8.0n	40m	900m	0	75	1					
32	SF50	2	20M	MON	3.3	26	TTL	10	15	0	5	25nΔ	5.0n	8.0n	40m	900m	-55	125	1	B0274	ZB100			
33	SF51	2	20M	MON	3.3	26	TTL	10	7	0	5	25nΔ	5.0n	8.0n	40m	900m	-55	125	1	B0274	ZB100			
34	SF52	2	20M	MON	3.3	26	TTL	10	12	0	5	25nΔ	5.0n	8.0n	40m	900m	0	75	1	B0274	ZB100			
35	SF53	2	20M	MON	3.3	26	TTL	10	6	0.0	5.0	25nΔ	5.0n	8.0n	40m	900m	0	75	1	B0274	ZB100			
36	SNF50J	2	20M	MON	3.3	26	TTL	10	15	0.0	5.0	25nΔ	5.0n	8.0n	30m	900m	-55	125	1	B0274	M157b			
37	SNF50W	2	20M	MON	3.3	26	TTL	10	15	0.0	5.0	25nΔ	5.0n	8.0n	40m	900m	-55	125	1	B0274	Δ004AF			
38	SNF51J	2	20M	MON	3.3	26	TTL	10	7	0.0	5.0	25nΔ	5.0n	8.0n	40m	900m	-55	125	1	B0274	M157b			
39	SNF51W	2	20M	MON	3.3	26	TTL	10	7	0.0	5.0	25nΔ	5.0n	8.0n	40m	900m	-55	125	1	B0274	Δ004AF			
40	SNF52J	2	20M	MON	3.3	26	TTL	10	12	0.0	5.0	25nΔ	5.0n	8.0n	40m	900m	0	75	1	B0274	M157b			
41	SNF52W	2	20M	MON	3.3	26	TTL	10	12	0.0	5.0	25nΔ	5.0n	8.0n	40m	900m	0	75	1	B0274	Δ004AF			
42	SNF53J	2	20M	MON	3.3	26	TTL	10	6	0.0	5.0	25nΔ	5.0n	8.0n	40m	900m	0	75	1	B0274	M157b			
43	SNF53W	2	20M	MON	3.3	26	TTL	10	6	0.0	5.0	25nΔ	5.0n	8.0n	40m	900m	0	75	1	B0274	Δ004AF			
44	TRWF50 #1	2	20M	MON	3.3	26	TTL	10	8	0.0	5.0	25n	5.0n	8.0n	40m	900m	-55	125	1	B0274	M157			
45	TRWF50 #2	2	20M	MON	3.3	26	TTL	10	8	0.0	5.0	25n	5.0n	8.0n	40m	900m	-55	125	1	B0274	M126			
46	6F260D	2	30M	MON	3.3	26	TTL	8	11	0	6	20nΔ	4.0n	6.0n	50mt	450m	-55	125	1	B02109	M126b			
47	6F260G	2	30M	MON	3.3	26	TTL	8	11	0	6	20nΔ	4.0n	6.0n	50mt	450m	-55	125	1	B02109	FP57			
48	6F260K	2	30M	MON	3.3	26	TTL	8	11	0	6	20nΔ	4.0n	6.0n	50mt	450m	-55	125	1	B02109	M105h			
49	6F261D	2	30M	MON	3.3	26	TTL	8	6	0	6	20nΔ	4.0n	6.0n	50mt	450m	-55	125	1	B02109	M126b			
50	6F261G	2	30M	MON	3.3	26	TTL	8	6	0	6	20nΔ	4.0n	6.0n	50mt	450m	-55	125	1	B02109	FP57			
51	6F261K	2	30M	MON	3.3	26	TTL	8	6	0	6	20nΔ	4.0n	6.0n	50mt	450m	-55	125	1	B02109	M105h			
52	6F262D	2	30M	MON	3.3	26	TTL	8	9	0	6	20nΔ	4.0n	6.0n	50mt	600m	0	75	1	B02109	M126b			
53	6F262G	2	30M	MON	3.3	26	TTL	8	9	0	6	20nΔ	4.0n	6.0n	50mt	600m	0	75	1	B02109	FP57			
54	6F262K	2	30M	MON	3.3	26	TTL	8	9	0	6	20nΔ	4.0n	6.0n	50mt	600m	0	75	1	B02109	M105h			
55	6F263D	2	30M	MON	3.3	26	TTL	8	5	0	6	20nΔ	4.0n	6.0n	50mt	600m	0	75	1	B02109	M126b			
56	6F263G	2	30M	MON	3.3	26	TTL	8	5	0	6	20nΔ	4.0n	6.0n	50mt	600m	0	75	1	B02109	FP57			
57	6F263K	2	30M	MON	3.3	26	TTL	8	5	0	6	20nΔ	4.0n	6.0n	50mt	600m	0	75	1	B02109	M105h			
58	SNF100J	2	35M	MON	3.3	26	TTL	4	15†	0.0	5.0	1.0n†	1.7n†	50m	900m	-55	125	2		M157b				
59	SNF100W	2	35M	MON	3.3	26	TTL	4	15†	0.0	5.0	1.0n†	1.7n†	50m	900m	-55	125	2		Δ004AF				
60	SNF101J	2	35M	MON	3.3	26	TTL	4	7†	0.0	5.0	1.0n†	1.7n†	50m	900m	-55	125	2		M157b				
61	SNF101W	2	35M	MON	3.3	26	TTL	4	7†	0.0	5.0	1.0n†	1.7n†	50m	900m	-55	125	2		Δ004AF				
62	SNF102J	2	35M	MON	3.3	26	TTL	4	12†	0.0	5.0	1.0n†	1.7n†	60m	900m	0	75	2		M157b				
63	SNF102W	2	35M	MON	3.3	26	TTL	4	12†	0.0	5.0	1.0n†	1.7n†	60m	900m	0	75	2		Δ004AF				
64	SNF103J	2	35M	MON	3.3	26	TTL	4	6†	0.0	5.0	1.0n†	1.7n†	60m	900m	0	75	2		M157b				
65	SNF103W	2	35M	MON	3.3	26	TTL	4	6†	0.0	5.0	1.0n†	1.7n†	60m	900m	0	75	2		Δ004AF				
66	SNF110J	2	35M	MON	3.3	26	TTL	5	15†	0.0	5.0	1.0n†	1.7n†	50m	900m	-55	125	2		M157b				
67	SNF110W	2	35M	MON	3.3	26	TTL	5	15†	0.0	5.0	1.0n†	1.7n†	50m	900m	-55	125	2		Δ004AF				
68	SNF111J	2	35M	MON	3.3	26	TTL	5	7†	0.0	5.0	1.0n†	1.7n†	50m	900m	-55	125	2		M157b				
69	SNF111W	2	35M	MON	3.3	26	TTL	5	7†	0.0	5.0	1.0n†	1.7n†	50m	900m	-55	125	2		Δ004AF				
70	SNF112J	2	35M	MON	3.3	26	TTL	5	12†	0.0	5.0	1.0n†	1.7n†	60m	900m	0	75	2		M				

4. BINARY/FLIP-FLOPS

IN ORDER OF: (1)TYPE FLIP-FLOP (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL			FAN IN	OUT MAX.	POWER SUPPLY SPAN		PROPA-GATION DELAY (s)	RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					3 '1' (V)	4 '0' (V)	2			NEG (V)	POS (V)						LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=MO
1	RF252P	2	30M†	MON	3.4	.20	TTL	9	9	0	5.0			50m†	1.1	0	75	1		M105k	
2	RF253P	2	30M†	MON	3.4	.20	TTL	8	9	0	5.0			50m†	1.1	0	75	1		M105k	
3	RF260K	2	30M†	MON	3.4	.20	TTL	8	11	0	5.0			55m†	1.1	-55	125	1	B02109	FP21b	
4	RF260P	2	30M†	MON	3.4	.20	TTL	8	11	0	5.0			55m†	1.1	-55	125	1		M105k	
5	RF261K	2	30M†	MON	3.4	.20	TTL	8	6	0	5			55m†	1.1	0	75	1	B02109	FP21b	
6	RF261P	2	30M†	MON	3.4	.20	TTL	8	6	0	5			55m†	1.1	0	75	1		M105k	
7	RF262K	2	30M†	MON	3.4	.20	TTL	8	9	0	5			55m†	1.1	0	75	1	B02109	FP21b	
8	RF262P	2	30M†	MON	3.4	.20	TTL	8	9	0	5			55m†	1.1	0	75	1		M105k	
9	RF263K	2	30M†	MON	3.4	.20	TTL	8	5	0	5			55m†	1.1	0	75	1	B02109	FP21b	
10	RF263P	2	30M†	MON	3.4	.20	TTL	8	5	0	5			55m†	1.1	0	75	1		M105k	
11	RF100K	2	35M†	MON	3.4	.20	TTL	3	11	0	5			110m†	1.0	-55	125	2	B038r	FP21b	
12	RF100P	2	35M†	MON	3.4	.20	TTL	3	11	0.0	5.0			110m†	1.0	-55	125	2		M105k	
13	RF101K	2	35M†	MON	3.4	.20	TTL	3	6	0	5			110m†	1.0	-55	125	2	B038r	FP21b	
14	RF101P	2	35M†	MON	3.4	.20	TTL	3	6	0	5			110m†	1.0	-55	125	2		M105k	
15	RF102K	2	35M†	MON	3.4	.20	TTL	3	9	0	5			110m†	1.0	0	75	2	B038r	FP21b	
16	RF102P	2	35M†	MON	3.4	.20	TTL	3	9	0	5			110m†	1.0	0	75	2		M105k	
17	RF103K	2	35M†	MON	3.4	.20	TTL	3	5	0	5			110m†	1.0	0	75	2	B038r	FP21b	
18	RF103P	2	35M†	MON	3.4	.20	TTL	3	5	0	5			110m†	1.0	0	75	2		M105k	
19	RF110K	2	35M†	MON	3.4	.20	TTL	3	11	0	5			110m†	1.0	-55	125	2	B038s	FP21b	
20	RF110P	2	35M†	MON	3.4	.20	TTL	3	11	0	5			110m†	1.0	-55	125	2		M105k	
21	RF111K	2	35M†	MON	3.4	.20	TTL	3	6	0	5			110m†	1.0	-55	125	2	B038s	FP21b	
22	RF111P	2	35M†	MON	3.4	.20	TTL	3	6	0	5			110m†	1.0	-55	125	2		M105k	
23	RF112K	2	35M†	MON	3.4	.20	TTL	3	9	0	5			110m†	1.0	0	75	2	B038s	FP21b	
24	RF112P	2	35M†	MON	3.4	.20	TTL	3	9	0	5			110m†	1.0	0	75	2		M105k	
25	RF113K	2	35M†	MON	3.4	.20	TTL	3	5	0	5			110m†	1.0	0	75	2	B038s	FP21b	
26	RF113P	2	35M†	MON	3.4	.20	TTL	3	5	0	5			110m†	1.0	0	75	2		M105k	
27	RF400P	2	35M†	MON	3.4	.20	TTL	3	11	0.0	5.0			110m†	1.0	-55	125	2		M105k	
28	RF120K	2	50M†	MON	3.4	.20	TTL	3	11	0	5			110m†	1.0	-55	125	2	B038r	FP21b	
29	RF120P	2	50M†	MON	3.4	.20	TTL	3	11	0	5			110m†	1.0	-55	125	2		M105k	
30	RF121K	2	50M†	MON	3.4	.20	TTL	3	6	0	5			110m†	1.0	-55	125	2	B038r	FP21b	
31	RF121P	2	50M†	MON	3.4	.20	TTL	3	6	0	5			110m†	1.0	-55	125	2		M105k	
32	RF122K	2	50M†	MON	3.4	.20	TTL	3	9	0	5			110m†	1.0	0	75	2	B038r	FP21b	
33	RF122P	2	50M†	MON	3.4	.20	TTL	3	9	0	5			110m†	1.0	0	75	2		M105k	
34	RF123K	2	50M†	MON	3.4	.20	TTL	3	5	0	5			110m†	1.0	0	75	2	B038r	FP21b	
35	RF123P	2	50M†	MON	3.4	.20	TTL	3	5	0	5			110m†	1.0	0	75	2		M105k	
36	RF130K	2	50M†	MON	3.4	.20	TTL	3	11	0	5			110m†	1.0	-55	125	2	B038s	FP21b	
37	RF130P	2	50M†	MON	3.4	.20	TTL	3	11	0	5			110m†	1.0	-55	125	2		M105k	
38	RF131K	2	50M†	MON	3.4	.20	TTL	3	6	0	5			110m†	1.0	-55	125	2	B038s	FP21b	
39	RF131P	2	50M†	MON	3.4	.20	TTL	3	6	0	5			110m†	1.0	-55	125	2		M105k	
40	RF132K	2	50M†	MON	3.4	.20	TTL	3	9	0	5			110m†	1.0	0	75	2	B038s	FP21b	
41	RF132P	2	50M†	MON	3.4	.20	TTL	3	9	0	5			110m†	1.0	0	75	2		M105k	
42	RF133K	2	50M†	MON	3.4	.20	TTL	3	5	0	5			110m†	1.0	0	75	2	B038s	FP21b	
43	RF133P	2	50M†	MON	3.4	.20	TTL	3	5	0	5			110m†	1.0	0	75	2		M105k	
44	RF200K	2	50M†	MON	3.4	.20	TTL	6	11	0	5			55m†	1.0	-55	125	1	B02105	FP21b	
45	RF200P	2	50M†	MON	3.4	.20	TTL	6	11	0	5			55m†	1.0	-55	125	1		M105k	
46	RF201K	2	50M†	MON	3.4	.20	TTL	6	6	0	5			55m†	1.0	-55	125	1	B02105	FP21b	
47	RF201P	2	50M†	MON	3.4	.20	TTL	6	6	0.0	5.0			55m†	1.0	-55	125	1		M105k	
48	RF202K	2	50M†	MON	3.4	.20	TTL	6	9	0	5			55m†	1.0	0	75	1	B02105	FP21b	
49	RF202P	2	50M†	MON	3.4	.20	TTL	6	9	0	5			55m†	1.0	0	75	1		M105k	
50	RF203K	2	50M†	MON	3.4	.20	TTL	6	5	0	5			55m†	1.0	0	75	1	B02105	FP21b	
51	RF203P	2	50M†	MON	3.4	.20	TTL	6	5	0	5			55m†	1.0	0	75	1		M105k	
52	RF210K	2	50M†	MON	3.4	.20	TTL	8	11	0	5			55m†	1.0	-55	125	1	B02106	FP21b	
53	RF210P	2	50M†	MON	3.4	.20	TTL	8	11	0	5			55m†	1.0	-55	125	1		M105k	
54	RF211K	2	50M†	MON	3.4	.20	TTL	8	6	0	5			55m†	1.0	-55	125	1	B02106	FP21b	
55	RF211P	2	50M†	MON	3.4	.20	TTL	8	6	0	5			55m†	1.0	-55	125	1		M105k	
56	RF212K	2	50M†	MON	3.4	.20	TTL	8	9	0	5			55m†	1.0	0	75	1	B02106	FP21b	
57	RF212P	2	50M†	MON	3.4	.20	TTL	8	9	0	5			55m†	1.0	0	75	1		M105k	
58	RF213K	2	50M†	MON	3.4	.20	TTL	8	5	0	5			55m†	1.0	0	75	1	B02106	FP21b	
59	RF213P	2	50M†	MON	3.4	.20	TTL	8	5	0	5			55m†	1.0	0	75	1		M105k	
60	SN74376N	2	30MΔ		3.4	.40	TTL	3		0.0	5.0	30nΔ		370m	1.0	0	70	4	B02319	M7	
61	MC2009F	2	30M†	MON	3.5	.25†	TTL	10	9	0	7			40m†	1.0	0	75	1	B02161	TO85	
62	MC2009L	2	30M†	MON	3.5	.25†	TTL	10	9	0.0	5.0			40m†	1.0	0	75	1	B02161	TO116	
63	MC2010F	2	30M†	MON	3.5	.25†	TTL	10	9	0	7			50m†	1.0	0	75	1	B02162	TO85	
64	MC2010L	2	30M†	MON	3.5	.25†	TTL	10	9	0.0	5.0			50m†	1.0	0	75	1	B02162	TO116	
65	MC2059F	2	30M†	MON	3.5	.25†	TTL	10	5	0	7			40m†	1.0	0	75	1	B02161	TO85	
66	MC2059L	2	30M†	MON	3.5	.25†	TTL	10	5	0.0	5.0			40m†	1.0	0	75	1	B02161	TO116	
67	MC2060F	2	30M†	MON	3.5	.25†	TTL	10	5	0	7			50m†	1.0	0	75	1	B02162	TO85	
68	MC2060L	2	30M†	MON	3.5	.25†	TTL	10	5	0.0	5.0			50m†	1.0	0	75	1	B02162	TO116	
69	MC2109F	2	30M†	MON	3.5	.25†	TTL	10	11	0	8			40m†	1.0	-55	125	1	B02161	TO85	
70	MC2109L	2	30M†	MON	3.5	.25†	TTL	10	11	0	8			40m†	1.0	-55	125	1	B02161	TO116	
71	MC2110F	2	30M†	MON	3.5	.25†	TTL	10	11	0	8			50m†	1.0	-55	125	1	B02162	TO85	
72	MC2110L	2	30M†	MON	3.5	.25†	TTL	10	11	0	8			50m†	1.0	-55	125	1	B02162	TO116	
73	MC2159F	2	30M†	MON	3.5	.25†	TTL	10	6	0	8			40m†	1.0	-55	125	1	B02161	TO85	
74	MC2159L	2	30M†	MON	3.5	.25†	TTL	10	6	0	8			40m†	1.0	-55	125	1	B02161	TO116	
75	MC2160F	2	30M†	MON	3.5	.25†	TTL	10	6	0	8			50m†	1.0	-55	125	1	B02162	TO85	
76	MC2160L	2	30M†	MON	3.5	.25†	TTL	10	6	0	8			50m†	1.0	-55	125	1	B02162	TO116	
77	TF3125	2	30M	MON	3.5	.25	TTL	4	15†	0	6	5.0n	8.0n	75m	1.0	-55	125	1	B02125		
78	TF3126	2	30M	MON	3.5	.25	TTL	4	15†	0	6	5.0n	8.0n	75m	1.0</						

4. BINARY/FLIP-FLOPS

IN ORDER OF: (1)TYPE FLIP-FLOP (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	6	TYPE No.	1	TYPE OF FLIP-FLOP	5	MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPA-GATION DELAY (s)	MAX.		TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS		DIGITAL	
								3	LEVEL		2	IN	OUT MAX.	NEG (V)		POS (V)	RISE tr (s)			FALL TIME (s)	LOW		HI	LOGIC DWG. No		OUTLINE DWG. No Δ=Mo
									'1' (V)	'0' (V)																
1		TF403	2		50M	MON	3.5	2.5	TTL	3	7	0	6	5.0n	8.0n	75m	1.0 Δ	-55	125	1		ZB159				
2		TF404	2		50M	MON	3.5	2.5	TTL	3	7	0	6	5.0n	8.0n	75m	1.0 Δ	0	75	1		ZB159				
3		TF411	2		50M	MON	3.5	2.5	TTL	3	15	0	6	5.0n	8.0n	75m	1.0 Δ	-55	125	1		ZB159				
4		TF412	2		50M	MON	3.5	2.5	TTL	3	15	0	6	5.0n	8.0n	75m	1.0 Δ	0	75	1		ZB159				
5		TF413	2		50M	MON	3.5	2.5	TTL	3	7	0	6	5.0n	8.0n	75m	1.0 Δ	-55	125	1		ZB159				
6		TF414	2		50M	MON	3.5	2.5	TTL	3	7	0	6	5.0n	8.0n	75m	1.0 Δ	0	75	1		ZB159				
7		TFF3251F	2		50M	MON	3.5	2.5	TTL	4	15	0	6.0	1.0n	1.7n	50m	1.0 Δ	-55	125	2		FP18				
8		TFF3251P	2		50M	MON	3.5	2.5	TTL	4	15	0	6.0	1.0n	1.7n	50m	1.0 Δ	-55	125	2		TO116				
9		TFF3252F	2		50M	MON	3.5	2.5	TTL	4	7	0	6.0	1.0n	1.7n	50m	1.0 Δ	0	75	2		FP18				
10		TFF3252P	2		50M	MON	3.5	2.5	TTL	4	7	0	6.0	1.0n	1.7n	50m	1.0 Δ	0	75	2		TO116				
11		TFF3253F	2		50M	MON	3.5	2.5	TTL	4	15	0	6.0	1.0n	1.7n	50m	1.0 Δ	-55	125	2		FP18				
12		TFF3253P	2		50M	MON	3.5	2.5	TTL	4	15	0	6.0	1.0n	1.7n	50m	1.0 Δ	-55	125	2		TO116				
13		TFF3254F	2		50M	MON	3.5	2.5	TTL	4	7	0	6.0	1.0n	1.7n	50m	1.0 Δ	0	75	2		FP18				
14		TFF3254P	2		50M	MON	3.5	2.5	TTL	4	7	0	6.0	1.0n	1.7n	50m	1.0 Δ	0	75	2		TO116				
15		TFF3511	2		50M	MON	3.5	2.5	TTL	8	15	0	6	5.0n	8.0n	150m	1.0 Δ	-55	125	1	B02128	ZB158				
16		TFF3513	2		50M	MON	3.5	2.5	TTL	8	7	0	6	5.0n	8.0n	150m	1.0 Δ	-55	125	1	B02128	ZB158				
17		SWF250	2		35M	MON	3.5	2.6	TTL	10	12	0	6.0	12n	3.0n	55m	1.0	-55	125	1						
18		SWF251	2		35M	MON	3.5	2.6	TTL	10	6	0	6.0	12n	3.0n	55m	1.0	-55	125	1						
19		SWF252	2		35M	MON	3.5	2.6	TTL	10	10	0	6.0	12n	3.0n	55m	1.0	0	75	1						
20		SWF253	2		35M	MON	3.5	2.6	TTL	10	5	0	6.0	12n	3.0n	55m	1.0	0	75	1						
21		SWF260	2		35M	MON	3.5	2.6	TTL	10	12	0	6.0	12n	3.0n	55m	1.0	-55	125	1						
22		SWF261	2		35M	MON	3.5	2.6	TTL	10	6	0	6.0	12n	3.0n	55m	1.0	-55	125	1						
23		SWF262	2		35M	MON	3.5	2.6	TTL	10	10	0	6.0	12n	3.0n	55m	1.0	0	75	1						
24		SWF263	2		35M	MON	3.5	2.6	TTL	10	5	0	6.0	12n	3.0n	55m	1.0	0	75	1						
25		SN7301N	2		4.0M	MON	4.0*	.40*	TTL	7	20	0	4.0	60n	45n	40n	0	0	70	1	B024a	M12				
26		SN7302N	2		4.0M	MON	4.0*	.40*	TTL	4	10	0	4.0	60n	45n	40n	0	0	70	2	B024	M12				
27		FA340	2		10M	MOH	6.3	0.0	TTL	7	4	0	6.0	30n		2.1	0	55	4	B02145	CB13					
28		PL4M01	2		500kΔ	MOS	9.0%	3.0*	TTL	8		24	0.0	400n	100n	300n	125m	1.0	-55	85	1	D0253	FP34			
29		MEM1015	2		1.0M	MOS	-10%	2*	TTL	7		30	3.0	300n			164m	1.0 *	-55	85	2		FP48			
30#		FPJ101	2		1.0M	MON	11.2Δ%	1.5*	VTL	3	10	0	12			244m	4.0	0	75	1	B02252	TO116				
31#		FPJ103	2			MON	11.2Δ%	1.5*	VTL	3	10	0	12			244m	4.0	-20	85	1	B02252	TO116				
32#		FPJ111	2			MON	11.2Δ%	1.5*	VTL	2	10	0	12			244m	4.0	0	75	1	B02253	TO116				
33#		FPJ113	2			MON	11.2Δ%	1.5*	VTL	2	10	0	12			244m	4.0	-20	85	1	B02253	TO116				
34		SN1511	2.3		10M	MON	2.5	.40	DTL	10	7	0	5.5	50n		20m	750m	-55	125	1		TO84				
35		MIC931	2.3						DTL	5	7	0	4	50n		20m	600m	0	75	1		ZB86				
36		CL845	2.3		15M	PCM			DTL	7	12	0	5.0	50n		140m		0	75	2	B0288a	CB12				
37		CL846	2.3		18M	PCM			DTL	7	11	0	5.0	40n		170m		0	75	2	B0288a	CB12				
38		SW706-1F	2.3		15M	MON	1.8%	1.2*	DTL	5	20	0	8	50n		82m	1.0	-55	125	2	B02111	TO86				
39		SW706-1P	2.3		15M	MON	1.8%	1.2*	DTL	5	10	0	5.0	50n		80m	1.0	-55	125	2	B02111	TO116				
40		SW706-2F	2.3		15M	MON	1.8%	1.2*	DTL	5	24	0	8	50n		82m	1.0	0	75	2	B02111	TO86				
41		SW706-2M	2.3		15M	MON	1.8%	1.2*	DTL	5	12	0	5.0	50n		80m	1.0	0	75	2	B02111	M105n				
42		SW706-2P	2.3		15M	MON	1.8%	1.2*	DTL	5	12	0	5.0	50n		80m	1.0	0	75	2	B02111	TO116				
43		SW709-1P	2.3		18M	MON	1.8%	1.2*	DTL	5	9	0	5.0	40n		100m	1.0	-55	125	2	B02111	TO116				
44		SW709-2M	2.3		18M	MON	1.8%	1.2*	DTL	5	11	0	5.0	40n		100m	1.0	0	75	2	B02111	M105n				
45		SW709-2P	2.3		18M	MON	1.8%	1.2*	DTL	5	11	0	5.0	40n		100m	1.0	0	75	2	B02111	TO116				
46		SW709-1F	2.3		20M	MON	1.8%	1.2*	DTL	5	18	0	8	40n		100m	1.0	-55	125	2	B02111	TO86				
47		SW709-2F	2.3		20M	MON	1.8%	1.2*	DTL	5	22	0	8	40n		100m	1.0	0	75	2	B02111	TO86				
48		MIC950-5B	2.3		20M	MON	1.9%	.78*	DTL	4	10	0	5.0	35n		46m	0	75	1	B03120	FP32					
49		MIC950-5C	2.3		20M	MON	1.9%	.78*	DTL	4	10	0	5.0	35n		46m	0	75	1	B03120	CN38					
50		MIC950-5D	2.3		20M	MON	1.9%	.78*	DTL	4	8	0	5.0	35n		46m	0	75	1	B03120	M313b					
51		MIC950-1B	2.3		20M	MON	1.9%	.80*	DTL	4	8	0	5.5	30n		43m	-55	125	1	B03120	FP33					
52		MIC950-1C	2.3		20M	MON	1.9%	.80*	DTL	4	8	0	5.5	30n		43m	-55	125	1	B03120	CN38					
53		MIC950-1D	2.3		20M	MON	1.9%	.80*	DTL	4	8	0	5.5	30n		43m	-55	125	1	B03120	M313b					
54		MIC945-1B	2.3		20M	MON	1.9%	1.1*	DTL	5	10	0	5.5	75n		70m	350m*	-55	125	1	B03132	FP33				
55		MIC945-1C	2.3		20M	MON	1.9%	1.1*	DTL	5	10	0	5.5	75n		70m	350m*	-55	125	1	B03132b	CN38				
56		MIC945-1D	2.3		20M	MON	1.9%	1.1*	DTL	5	10	0	5.5	75n		70m	350m*	-55	125	1	B03132	M313b				
57		MIC945-5B	2.3		20M	MON	1.9%	1.1*	DTL	5	12	0	5	75n		75m	350m*	0	75	1	B03132	FP32				
58		MIC945-5C	2.3		20M	MON	1.9%	1.1*	DTL	5	12	0	5	75n		75m	350m*	0	75	1	B03132b	CN38				
59		MIC945-5D	2.3		20M	MON	1.9%	1.1*	DTL	5	12	0	5	75n		75m	350m*	0	75	1	B03132	M313b				
60#		MIC945R3D	2.3		20M	MON	1.9%	1.1*	DTL	7	10	0	5.0	75nΔ		70m	650m	-40	85	1	B03132	M294b				
61#		MIC945R6D	2.3		20M	MON	1.9%	1.1*	DTL	7	10	0	5.0	75nΔ		70m	650m	-20	75	1	B03132	M294b				
62#		MIC945R7D	2.3		20M	MON	1.9%	1.1*	DTL	7	10	0	5.0	75nΔ		75m	650m	0	75	1	B03132	M294b				
63		MIC948-1B	2.3		20M	MON	1.9%	1.1*	DTL	5	9	0	5.5	65n		81m	350m*	-55	125	1	B03132a	FP33				
64		MIC948-1C	2.3		20M	MON	1.9%	1.1*	DTL	5	9	0	5.5	65n		81m	350m*	-55	125	1	B03132c	CN38				
65		MIC948-1D	2.3		20M	MON	1.9%	1.1*	DTL	5	9	0	5.5	65n		81m	350m*	-55	125	1	B03132a	M313b				
66		MIC948-5B	2.3		20M	MON	1.9%	1.1*	DTL	5	11	0	5.0	65n		87m	350m*	0	75	1	B03132a	FP32				
67		MIC948-5C	2.3		20M	MON	1.9%	1.1*	DTL	5	11	0	5.0	65n		87m	350m*	0	75	1	B03132c	CN38				
68		MIC948-5D	2.3		20M	MON	1.9%	1.1*	DTL	5	11	0	5.0	65n		87m	350m*	0	75	1	B03132a	M313b				
69		SN1513	2.3		10M	MON	2.5	.40	DTL	9	7	0	5.5	45n		20m	750m	-55	125	1		TO84				
70		SN1590	2.3		10M	MON	2.5	.40	DTL	7	7	0	5.5	50n		20m	750m	0	70	1		TO84				
71		SN1590P	2.3		10M	MON	2.5	.40	DTL	7	7	0	5.5	50n		20m	750m	0	70	1		M				

4. BINARY/FLIP-FLOPS

IN ORDER OF: (1)TYPE FLIP-FLOP (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	6 TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN IN	OUT MAX.	POWER SUPPLY SPAN	PROPAGATION DELAY	MAX.			MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					3 '1' (V)	4 '0' (V)	2 TYPE					RISE TIME (s)	FALL TIME (s)	LOW			HI	LOGIC DWG. No		OUTLINE DWG. No	
																					NEG (V)
1	NE826A	2.6	30M	MON	3.1	.20†	TTL	4		0	5.5	20nΔ	10n	10n	32m	2.0	0	70	2	B02108	T0116
2	NE826J	2.6	30M†	MON	3.1	.20†	TTL	4	5	0	5.5	20nΔ	10n	10n	64m	1.0 Δ	0	70	2	B02108	T088
3	RF50K	2.6	20M†	MON	3.4	.20	TTL	6	15	0	5				50m†	1.1	-55	125	1	B0242	FP21b
4	SP825A	2.6F		MON	2.4	.45	TTL	9		0	6				135m	2.0	15	55	1	B0273	T0116
5	ST825A	2.6F		MON	2.4	.45	TTL	9		0	6				135m	2.0	0	70	1	B0273	T0116
6	SE825J	2.6F	20M†	MON	2.4	.45†	TTL	9	8	0.0	6.0		150n	150n	70m	1.0 Δ	-55	125	1	B0273	T088
7	NE8825A	2.6F		MON	2.8%	.4†*	TTL	9		0	6	50nΔ		50n	130m	600mΔ	0	75	1	B0273	T0116
8	NE8825J	2.6F		MON	2.8%	.4†*	TTL	9		0	6	50nΔ		50n	130m	600mΔ	0	75	1	B0273	T088
9	SE8825A	2.6F		MON	2.8%	.4†*	TTL	9		0	6	50nΔ		50n	130m	600mΔ	-55	125	1	B0273	T0116
10	SE8825J	2.6F		MON	2.8%	.4†*	TTL	9		0	6	50nΔ		50n	130m	600mΔ	-55	125	1	B0273	T088
11	NE825J	2.6F	20M†	MON	3.1	.20†	TTL	9	10		5.5	150n	150n	150n	70m	1.0 Δ	0	70	1	B0273	T088
12	FC15	2B	300K	PCB	8.0	0.0	DTL	15	12	25	25	150n%	90n	60n	2.4	3.9	-55	100	4	B0247	CB34
13	FC18	2B	300K	PCB	8.0	0.0	DTL	15	9	25	25	150n%	90n	60n	2.0	3.9	-55	100	2	B0248	CB34
14	FH15	2B	1.0M	PCB	8.0	0.0	DTL	10	6	25	25	100n%	65n	35n	2.9	3.9	-55	100	4	B0247	CB34
15	FH18	2B	1.0M	PCB	8.0	0.0	DTL	10	8	25	25	100n%	65n	35n	3.6	3.9	-55	100	2	B0248	CB34
16	PL9600	2C	30M	MON	.82	.49	RTL	6	4	0	3	37nΔ			55m†		-55	125	1	B0254a	T091
17	1039-0002	2F	2.0M	3DM	10.5	0.0	CTL	5	8	13	13	40nΔ		95n			-55	85		B0213	M26
18	DBFF1005	2F		PCM	6.0%		CTL	10	10	6	12	50nΔ	40n	20n					1	B0218	M52
19	DCFF1005	2F		PCM	6.0%	1†*	CTL	10	10	6	12	50nΔ	40n	20n					1	B0218	CB29
20	DBFF1005ZA	2F	1.0M		6.0	1.0†	CTL	10	10	6.0	12	50n	40n	20n	350m	0	50	1	B0218	M52	
21	DBFF1005ZAN	2F	1.0M		6.0	1.0†	CTL	10	10	6.0	12	50n	40n	20n	350m	0	50	1	B0218	MP52a	
22	DBFF1005ZB	2F	1.0M		6.0	1.0†	CTL	10	10	6.0	12	50n	40n	20n	350m	-20	75	1	B0218	M52	
23	DBFF1005ZBN	2F	1.0M		6.0	1.0†	CTL	10	10	6.0	12	50n	40n	20n	350m	-20	75	1	B0218	MP52a	
24	DBFF1005ZC	2F	1.0M		6.0	1.0†	CTL	10	10	6.0	12	50n	40n	20n	350m	-40	100	1	B0218	M52	
25	DBFF1005ZCN	2F	1.0M		6.0	1.0†	CTL	10	10	6.0	12	50n	40n	20n	350m	-40	100	1	B0218	MP52a	
26	DBFF1005ZD	2F	1.0M		6.0	1.0†	CTL	10	10	6.0	12	50n	40n	20n	350m	-55	125	1	B0218	M52	
27	DBFF1005ZDN	2F	1.0M		6.0	1.0†	CTL	10	10	6.0	12	50n	40n	20n	350m	-55	125	1	B0218	MP52a	
28	DBFF1026XAN	2F	1.0M		6.0	1.0†	CTL	7	10	6.0	12	50n	64n	20n	350m	0	50	1	B0219	MP52a	
29	DBFF1026XBN	2F	1.0M		6.0	1.0†	CTL	7	10	6.0	12	50n	64n	20n	350m	-20	75	1	B0219	MP52a	
30	DBFF1026XCN	2F	1.0M		6.0	1.0†	CTL	7	10	6.0	12	50n	64n	20n	350m	-40	100	1	B0219	MP52a	
31	DBFF1026XDN	2F	1.0M		6.0	1.0†	CTL	7	10	6.0	12	50n	64n	20n	350m	-55	125	1	B0219	MP52a	
32	DBFF1026YAN	2F	1.0M		6.0	1.0†	CTL	7	10	6.0	12	50n	64n	20n	350m	0	50	1	B0219	MP52a	
33	DBFF1026YBN	2F	1.0M		6.0	1.0†	CTL	7	10	6.0	12	50n	64n	20n	350m	-20	75	1	B0219	MP52a	
34	DBFF1026YCN	2F	1.0M		6.0	1.0†	CTL	7	10	6.0	12	50n	64n	20n	350m	-40	100	1	B0219	MP52a	
35	DBFF1026YDN	2F	1.0M		6.0	1.0†	CTL	7	10	6.0	12	50n	64n	20n	350m	-55	125	1	B0219	MP52a	
36	DBFF1026ZAN	2F	1.0M		6.0	1.0†	CTL	7	10	6.0	12	50n	64n	20n	350m	0	50	1	B0219	M52	
37	DBFF1026ZAN	2F	1.0M		6.0	1.0†	CTL	7	10	6.0	12	50n	64n	20n	350m	0	50	1	B0219	MP52a	
38	DBFF1026ZBN	2F	1.0M		6.0	1.0†	CTL	7	10	6.0	12	50n	64n	20n	350m	-20	75	1	B0219	M52	
39	DBFF1026ZBN	2F	1.0M		6.0	1.0†	CTL	7	10	6.0	12	50n	64n	20n	350m	-20	75	1	B0219	MP52a	
40	DBFF1026ZCN	2F	1.0M		6.0	1.0†	CTL	7	10	6.0	12	50n	64n	20n	350m	-40	100	1	B0219	M52	
41	DBFF1026ZCN	2F	1.0M		6.0	1.0†	CTL	7	10	6.0	12	50n	64n	20n	350m	-40	100	1	B0219	MP52a	
42	DBFF1026ZDN	2F	1.0M		6.0	1.0†	CTL	7	10	6.0	12	50n	64n	20n	350m	-55	125	1	B0219	M52	
43	DBFF1026ZDN	2F	1.0M		6.0	1.0†	CTL	7	10	6.0	12	50n	64n	20n	350m	-55	125	1	B0219	MP52a	
44	DCFF1005ZA	2F	1.0M		6.0	1.0†	CTL	10	10	6.0	12	50n	40n	20n	350m	0	50	1	B0218	CB29	
45	DCFF1005ZB	2F	1.0M		6.0	1.0†	CTL	10	10	6.0	12	50n	40n	20n	350m	-20	75	1	B0218	CB29	
46	DCFF1005ZC	2F	1.0M		6.0	1.0†	CTL	10	10	6.0	12	50n	40n	20n	350m	-40	100	1	B0218	CB29	
47	DCFF1005ZD	2F	1.0M		6.0	1.0†	CTL	10	10	6.0	12	50n	40n	20n	350m	-55	125	1	B0218	CB29	
48	DCFF1026ZA	2F	1.0M		6.0	1.0†	CTL	7	10	6.0	12	50n	64n	20n	350m	0	50	1	B0219	CB29	
49	DCFF1026ZB	2F	1.0M		6.0	1.0†	CTL	7	10	6.0	12	50n	64n	20n	350m	-20	75	1	B0219	CB29	
50	DCFF1026ZC	2F	1.0M		6.0	1.0†	CTL	7	10	6.0	12	50n	64n	20n	350m	-40	100	1	B0219	CB29	
51	DCFF1026ZD	2F	1.0M		6.0	1.0†	CTL	7	10	6.0	12	50n	64n	20n	350m	-55	125	1	B0219	CB29	
52	DBFF1005YA	2F	5.0M		6.0	1.0†	CTL	10	10	6.0	12	50n	40n	20n	350m	0	50	1	B0218	M52	
53	DBFF1005YAN	2F	5.0M		6.0	1.0†	CTL	10	10	6.0	12	50n	40n	20n	350m	0	50	1	B0218	MP52a	
54	DBFF1005YB	2F	5.0M		6.0	1.0†	CTL	10	10	6.0	12	50n	40n	20n	350m	-20	75	1	B0218	M52	
55	DBFF1005YBN	2F	5.0M		6.0	1.0†	CTL	10	10	6.0	12	50n	40n	20n	350m	-20	75	1	B0218	MP52a	
56	DBFF1005YC	2F	5.0M		6.0	1.0†	CTL	10	10	6.0	12	50n	40n	20n	350m	-40	100	1	B0218	M52	
57	DBFF1005YCN	2F	5.0M		6.0	1.0†	CTL	10	10	6.0	12	50n	40n	20n	350m	-40	100	1	B0218	MP52a	
58	DBFF1005YD	2F	5.0M		6.0	1.0†	CTL	10	10	6.0	12	50n	40n	20n	350m	-55	125	1	B0218	M52	
59	DBFF1005YDN	2F	5.0M		6.0	1.0†	CTL	10	10	6.0	12	50n	40n	20n	350m	-55	125	1	B0218	MP52a	
60	DBFF1026YA	2F	5.0M		6.0	1.0†	CTL	7	10	6.0	12	50n	64n	20n	350m	0	50	1	B0219	M52	
61	DBFF1026YB	2F	5.0M		6.0	1.0†	CTL	7	10	6.0	12	50n	64n	20n	350m	-20	75	1	B0219	M52	
62	DBFF1026YC	2F	5.0M		6.0	1.0†	CTL	7	10	6.0	12	50n	64n	20n	350m	-40	100	1	B0219	M52	
63	DBFF1026YD	2F	5.0M		6.0	1.0†	CTL	7	10	6.0	12	50n	64n	20n	350m	-55	125	1	B0219	M52	
64	DCFF1005YA	2F	5.0M		6.0	1.0†	CTL	10	10	6.0	12	50n	40n	20n	350m	0	50	1	B0218	CB29	
65	DCFF1005YB	2F	5.0M		6.0	1.0†	CTL	10	10	6.0	12	50n	40n	20n	350m	-20	75	1	B0218	CB29	
66	DCFF1005YC	2F	5.0M		6.0	1.0†	CTL	10	10	6.0	12	50n	40n	20n	350m	-40	100	1	B0218	CB29	
67	DCFF1005YD	2F	5.0M		6.0	1.0†	CTL	10	10	6.0	12	50n	40n	20n	350m	-55	125	1	B0218	CB29	
68	DCFF1026YA	2F	5.0M		6.0	1.0†	CTL	7	10	6.0	12	50n	64n	20n	350m	0	50	1	B0219	CB29	
69	DCFF1026YB	2F	5.0M		6.0	1.0†	CTL	7	10	6.0	12	50n	64n	20n	350m	-20	75	1	B0219	CB29	
70	DCFF1026YC	2F	5.0M		6.0	1.0†	CTL	7	10	6.0	12	50n	64n	20n	350m	-40	100	1	B0219	CB29	
71	DCFF1026YD	2F	5.0M		6.0	1.0†	CTL	7	10	6.0	12	50n	64n	20n	350m	-55	125	1</			

4. BINARY/FLIP-FLOPS

IN ORDER OF: (1)TYPE FLIP-FLOP (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	6] TYPE No.	1] TYPE OF FLIP-FLOP	5] MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPAGA-TION DELAY (s)	MAX.		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS		
					3] LEVEL	4] TYPE	2] IN	OUT MAX.	NEG (V)	POS (V)	RISE TIME tr (s)		FALL TIME tf (s)	LOW °C			HI °C	LOGIC DWG. No		OUTLINE DWG. No Δ=MO		
																					'1' (V)	'0' (V)
1	FF4317B	2F	20M†	TFH	4.0Δ	1.5	RCT	1	4	0	8	2.0n	20n	6.0n	100m	1.5	-55	125	1		M57	
2	FF4327B	2F	20M†	TFH	4.0Δ	1.5	RCT	1	4	0	8	2.0n	20n	6.0n	100m	1.5	-55	125	1		M57a	
3	FF4714C	2F	1.0M	TFH	5.0Δ	2.0	RCT	1	1	5	15	50n%	80n	30n	5.0m	2.9	-55	125	1		M57	
4	FF4724C	2F	1.0M	TFH	5.0Δ	2.0	RCT	2	2	5	15	50n%	80n	30n	5.0m	2.9	-55	125	1		M57a	
5	FF7714C	2F	1.0M	TFH	5.0	2.0	RCT	2	2	5	15	50n	50n	25n	5.0m	3.0	-55	125	1	B0236		
6	FF7724C	2F	1.0M	TFH	5.0	2.0	RCT	2	2	5	15	50n	50n	25n	5.0m	3.0	-55	125	1	B0236		
7	FF4515C	2F	5.0M	TFH	5.0Δ	2.0	RCT	1	1	5	12	20n%	40n	15n	25m	2.0	-55	125	1	B0226a	M57	
8	FF4525C	2F	5.0M	TFH	5.0Δ	2.0	RCT	1	1	5	12	20n%	40n	15n	25m	2.0	-55	125	1	B0226a	M57a	
9	FF7515C	2F	5.0M	TFH	5.0	2.0	RCT	2	2	5	12	20n	35n	15n	24m	2.5	-55	125	1	B0236		
10	FF7525C	2F	5.0M	TFH	5.0	2.0	RCT	2	2	5	12	20n	35n	15n	24m	2.5	-55	125	1	B0236		
11	FF7415C	2F	10M†	TFH	5.0Δ	2.0	RCT	1	1	5	9	12n%	30n	10n	50m	2.0	-55	125	1	B0226a	M57	
12	FF7425C	2F	10M†	TFH	5.0Δ	2.0	RCT	1	1	5	9	12n%	30n	10n	50m	2.0	-55	125	1	B0226a	M57a	
13	FF7418C	2F	10M	TFH	5.0	2.0	RCT	2	2	5	9	12n	25n	10n	48m	2.0	-55	125	1	B0236		
14	FF7428C	2F	10M	TFH	5.0	2.0	RCT	2	2	5	9	12n	25n	10n	48m	2.0	-55	125	1	B0236		
15	FF7317E	2F	20M	TFH	5.0	2.0	RCT	2	4	0	8	8.0n	15n	5.0n	96m	1.5	-55	125	1	B0236		
16	FF7327E	2F	20M	TFH	5.0	2.0	RCT	2	4	0	8	8.0n	15n	5.0n	96m	1.5	-55	125	1	B0236		
17	G2217	2F	1.0M	PCB	6.0	0.0	RCT	10	10	10	12	25n	100n	300n	600n	0	-55	71	2		CB16	
18	GA221	2F	1.0M	PCB	6.0	0.0	RCT	10	10	10	12	25n	100n	300n	600n	0	-55	71	2		CB16	
19	FF2713B	2F	200k	3DM	5.0Δ	2.0	RTL	4	4	6	0	15	200n%	300n	100n	5.0m	2.9	-55	125	1		M57
20	FF2723B	2F	200k	3DM	5.0Δ	2.0	RTL	4	4	6	0	15	200n%	300n	100n	5.0m	2.9	-55	125	1		M57a
21	FF2514B	2F	1.0M	3DM	5.0Δ	2.0	RTL	4	4	6	0	12	50n%	80n	30n	25m	2.9	-55	125	1	B0226	M57
22	FF2524B	2F	1.0M	3DM	5.0Δ	2.0	RTL	4	4	6	0	12	50n%	80n	30n	25m	2.9	-55	125	1	B0226	M57a
23	FF2414B	2F	2.0M	3DM	5.0Δ	2.0	RTL	4	4	6	0	9	30n%	60n	20n	133m	2.9	-55	125	1	B0226	M57
24	FF2424B	2F	2.0M	3DM	5.0Δ	2.0	RTL	4	4	6	0	9	30n%	60n	20n	133m	2.9	-55	125	1	B0226	M57a
25	2F262D	2F	40MΔ	MON	1.5	1.7	TTL	10	9	0	7	20Δ	4.0n	6.0n	50m	900m	0	75	1	B02109	TO116	
26	2F262G	2F	40MΔ	MON	1.5	1.7	TTL	10	9	0	7	20Δ	4.0n	6.0n	50m	900m	0	75	1	B02109	TO84	
27	2F263D	2F	40MΔ	MON	1.5	1.7	TTL	10	5†	0	7	20Δ	4.0n	6.0n	50m	900m	0	75	1	B02109	TO116	
28	2F263G	2F	40MΔ	MON	1.5	1.7	TTL	10	5†	0	7	20Δ	4.0n	6.0n	50m	900m	0	75	1	B02109	TO84	
29	6F252D	2F	40MΔ	MON	1.5	1.7	TTL	10	9	0	7	20Δ	4.0n	6.0n	40m†	900m	0	75	1	B02107	TO116	
30	6F252G	2F	40MΔ	MON	1.5	1.7	TTL	10	9	0	7	20Δ	4.0n	6.0n	40m†	900m	0	75	1	B02107	TO84	
31	6F253D	2F	40MΔ	MON	1.5	1.7	TTL	10	5†	0	7	20Δ	4.0n	6.0n	40m†	900m	0	75	1	B02107	TO116	
32	6F253G	2F	40MΔ	MON	1.5	1.7	TTL	10	5†	0	7	20Δ	4.0n	6.0n	40m†	900m	0	75	1	B02107	TO84	
33#	MIC64104J	2F		MON	1.7%	.90*	TTL	10	10	0	0	25Δ		120m		-40	85	1		B02167	TO116	
34#	MIC64105J	2F		MON	1.7%	.90*	TTL	10	10	0	0	25Δ		140m		-40	85	1		B02168	TO116	
35	SN54104J	2F		MON	1.7%	.90*	TTL	10	10	0	0	25Δ		120m†		-55	125	1		B02167	M157	
36	SN54104N	2F		MON	1.7%	.90*	TTL	10	10	0	0	25Δ		120m†		-55	125	1		B02167	M126a	
37	SN54104W	2F		MON	1.7%	.90*	TTL	10	10	0	0	25Δ		120m†		-55	125	1		B02167	TO84	
38	SN54105J	2F		MON	1.7%	.90*	TTL	10	10	0	0	25Δ		140m†		-55	125	1		B02172	M157	
39	SN54105N	2F		MON	1.7%	.90*	TTL	10	10	0	0	25Δ		140m†		-55	125	1		B02172	M126a	
40	SN54105W	2F		MON	1.7%	.90*	TTL	10	10	0	0	25Δ		140m†		-55	125	1		B02172	TO84	
41	SN74104W	2F		MON	1.7%	.90*	TTL	10	10	0	0	25Δ		120m†		0	70	1		B02167	TO84	
42	SN74105W	2F		MON	1.7%	.90*	TTL	10	10	0	0	25Δ		140m†		0	70	1		B02172	TO84	
43	SN54104H	2F		MON	1.7%	.90*	TTL	10	10	0	0	25Δ		120m		-55	125	1		B02167	TO86	
44	SN54105H	2F		MON	1.7%	.90*	TTL	10	10	0	0	25Δ		140m		-55	125	1		B02172	TO86	
45	SN74104J	2F		MON	1.7%	.90*	TTL	10	10	0	0	25Δ		120m		0	70	1		B02167	TO116	
46	SN74104N	2F		MON	1.7%	.90*	TTL	10	10	0	0	25Δ		120m		0	70	1		B02167	M105N	
47	SN74105J	2F		MON	1.7%	.90*	TTL	10	10	0	0	25Δ		140m		0	70	1		B02172	TO116	
48	SN74105N	2F		MON	1.7%	.90*	TTL	10	10	0	0	25Δ		140m		0	70	1		B02172	M105N	
49#	11-7F	2F	35M%	MON	1.7%	.95*	TTL	9	20	0	7	50Δ		70m†	1.0 Δ	0	70	1		B022	M126	
50#	MMF60	2F	20M	MON	1.7%	1.2*	TTL	10	15	0	0	21n	5.0n	8.0n	55m	1.0	-55	125	1			
51#	MMF61	2F	20M	MON	1.7%	1.2*	TTL	10	7	0	0	21n	5.0n	8.0n	55m	1.0	-55	125	1			
52#	MMF62	2F	20M	MON	1.7%	1.2*	TTL	10	12	0	0	21n	5.0n	8.0n	55m	1.0	0	75	1			
53#	MMF63	2F	20M	MON	1.7%	1.2*	TTL	10	6	0	0	21n	5.0n	8.0n	55m	1.0	0	75	1			
54#	MMF60	2F	30M	MON	1.7%	1.2*	TTL	10	11	0	0	20n	4.0n	6.0n	55m	1.0	-55	125	1			
55#	MMF251	2F	30M	MON	1.7%	1.2*	TTL	10	8	0	0	20n	4.0n	6.0n	55m	1.0	-55	125	1			
56#	MMF252	2F	30M	MON	1.7%	1.2*	TTL	10	9	0	0	20n	4.0n	6.0n	55m	1.0	0	75	1			
57#	MMF253	2F	30M	MON	1.7%	1.2*	TTL	10	9	0	0	20n	4.0n	6.0n	55m	1.0	0	75	1			
58#	MMF260	2F	30M	MON	1.7%	1.2*	TTL	10	11	0	0	20n	4.0n	6.0n	55m	1.0	0	75	1			
59#	MMF261	2F	30M	MON	1.7%	1.2*	TTL	10	8	0	0	20n	4.0n	6.0n	55m	1.0	-55	125	1			
60#	MMF262	2F	30M	MON	1.7%	1.2*	TTL	10	9	0	0	20n	4.0n	6.0n	55m	1.0	-55	125	1			
61#	MMF263	2F	30M	MON	1.7%	1.2*	TTL	10	5	0	0	20n	4.0n	6.0n	55m	1.0	0	75	1			
62	SN54172N	2F	3.0M%Δ	MON	2.0%	.70*	TTL	9	20	0	0	200Δ		1.0 Δ	-55	125	1		B0288	M126e		
63	SN74173N	2F	3.0M%Δ	MON	2.0%	.70*	TTL	4	20	0	0	200Δ		1.0 Δ	-55	125	2		B02130	M126e		
64	SN54178N	2F	3.0M%Δ	MON	2.0%	.70*	TTL	5	20	0	0	200Δ		1.0 Δ	-55	125	2		B02154	M126e		
65	SN74172T	2F	3.0M%Δ	MON	2.0%	.70*	TTL	9	20	0	0	48n%		8.0m†	1.0 Δ	0	70	1		B0288	FP52e	
66	SN74173T	2F	3.0M%Δ	MON	2.0%	.70*	TTL	8	10	0	0	48n%		8.0m†	1.0 Δ	0	70	2		B02130	FP52e	
67#	MIC54104J	2F		MON	2.0%	.80*	TTL	10	10	0	0	25Δ		75m†		-55	125	1		B02167	TO116	
68#	MIC54105J	2F		MON	2.0%	.80*	TTL	10	10	0	0	25Δ		85m†		-55	125	1		B02168	TO116	
69#	MIC74104J	2F		MON	2.0%	.80*	TTL	10	10	0	0	25Δ		75m†		0	75	1		B02167	TO116	
70#	MIC74104N	2F		MON	2.0%	.80*	TTL	10	10	0	0	25Δ		75m†		0	75	1		B02167	M126x	
71#	MIC74105J	2F		MON	2.0%	.80*	TTL	10	10	0	0	25Δ		85m†		0	75	1		B02168	TO116	
72#	MIC74105N	2F		MON	2.0%	.80*	TTL</															

4. BINARY/FLIP-FLOPS

IN ORDER OF: (1)TYPE FLIP-FLOP (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	TYPE No.	1	TYPE OF FLIP-FLOP	5	MAX OPER. FREQ. (Hz)	PRO-CESS	LOGIC			FAN IN	OUT MAX.	POWER SUPPLY SPAN		PROPA-GATION DELAY (s)	MAX. RISE TIME tr (s)		MAX. FALL TIME tf (s)	TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
							3	'1' (V)	'0' (V)			2	NEG (V)		POS (V)	LOW °C				HI °C				
																					LEVEL			
1	SN74H72	2F	40M% MON	2.0%	2.0%	80*	TTL	9	20	0.0	7.0	18n	5.0n	8.0n	80mf	700m	1.0 Δ	0	70	1	B0295	T084		
2	MC3054L,P%	2F	30M% MON	2.4%	2.4%	40*	TTL	10	10	0.0	5.0	20n	5.0n	8.0n	95mf	700m	0	75	1	B0297	T0116			
3	MC3055L,P%	2F	30M% MON	2.4%	2.4%	40*	TTL	9	10	0.0	5.0	10n	5.0n	8.0n	80mf	700m	0	75	1	B0295	T0116			
4	MC3154L	2F	30M% MON	2.4%	2.4%	40*	TTL	10	10	0.0	5.0	20n	5.0n	8.0n	95mf	700m	-55	125	1	B0297	T0116			
5	MC3155L	2F	30M% MON	2.4%	2.4%	40*	TTL	9	10	0.0	5.0	10n	5.0n	8.0n	80mf	700m	-55	125	1	B0295	T0116			
6	MC3150L	2F	40M% MON	2.4%	2.4%	40*	TTL	10	10	0.0	5.0	14nΔ	5.0n	8.0n	80mf	700m	-55	125	1	B02170	T0116			
7	MC3050L,P%	2F	40M% MON	2.5%	2.5%	40*	TTL	10	10	0.0	5.0	14nΔ	5.0n	8.0n	80mf	700m	0	75	1	B02170	T0116			
8	TFF3231	2F	20M% MON	3.0	3.0	20*	TTL	4	7	0.0	7.0	15n	5.0n	8.0n	75m	1.0 Δ	0	15	55	1	B0242	CN13		
9	NE825A	2F	30M% MON	3.1	3.1	20*	TTL	9	9	0.0	5.5	50nΔ	150n	150n	70m	2.0	0	70	1	B0273	T0116			
10	TRW7472#1	2F	15M% MON	3.3	3.3	26	TTL	9	20	0.0	5.0	50n	5.0n	8.0n	40m	900m	-55	125	1	B0288	M157			
11	TRW7472#2	2F	15M% MON	3.3	3.3	26	TTL	9	20	0.0	5.0	50n	5.0n	8.0n	40m	900m	-55	125	1	B0288	M126			
12	6F60G	2F	20M% MON	3.3	3.3	26	TTL	12	15†	0	5	25nΔ	5.0n	8.0n	60m	900m	-55	125	1	B0257	T084			
13	6F60K	2F	20M% MON	3.3	3.3	26	TTL	12	15†	0	5	25nΔ	5.0n	8.0n	60m	900m	-55	125	1	B0257	T0116			
14	6F61G	2F	20M% MON	3.3	3.3	26	TTL	12	7†	0	5	25nΔ	5.0n	8.0n	60m	900m	-55	125	1	B0257	T084			
15	6F61K	2F	20M% MON	3.3	3.3	26	TTL	12	7†	0	5	25nΔ	5.0n	8.0n	60m	900m	-55	125	1	B0257	T0116			
16	6F62D	2F	20M% MON	3.3	3.3	26	TTL	12	12†	0	5	25nΔ	5.0n	8.0n	60m	900m	0	75	1	B0257	T0116			
17	6F62G	2F	20M% MON	3.3	3.3	26	TTL	12	12†	0	5	25nΔ	5.0n	8.0n	60m	900m	0	75	1	B0257	T084			
18	6F63D	2F	20M% MON	3.3	3.3	26	TTL	12	6†	0	5	25nΔ	5.0n	8.0n	60m	900m	0	75	1	B0257	T0116			
19	6F63G	2F	20M% MON	3.3	3.3	26	TTL	12	6†	0	5	25nΔ	5.0n	8.0n	60m	900m	0	75	1	B0257	T084			
20	SF60	2F	20M% MON	3.3	3.3	26	TTL	12	15†	0	5	25nΔ	5.0n	8.0n	60m	900m	-55	125	1	B0257	ZB100			
21	SF61	2F	20M% MON	3.3	3.3	26	TTL	12	7†	0	5	25nΔ	5.0n	8.0n	60m	900m	-55	125	1	B0257	ZB100			
22	SF62	2F	20M% MON	3.3	3.3	26	TTL	12	12†	0	5	25nΔ	5.0n	8.0n	60m	900m	0	75	1	B0257	ZB100			
23	SF63	2F	20M% MON	3.3	3.3	26	TTL	12	6†	0	5	25nΔ	5.0n	8.0n	60m	900m	0	75	1	B0257	ZB100			
24	SNF60J	2F	20M% MON	3.3	3.3	26	TTL	12	15†	0.0	5.0	25nΔ	5.0n	8.0n	60m	900m	-55	125	1	B0257	M157b			
25	SNF60W	2F	20M% MON	3.3	3.3	26	TTL	12	15†	0.0	5.0	25nΔ	5.0n	8.0n	60m	900m	-55	125	1	B0257	Δ004AF			
26	SNF61J	2F	20M% MON	3.3	3.3	26	TTL	12	7†	0.0	5.0	25nΔ	5.0n	8.0n	60m	900m	-55	125	1	B0257	M157b			
27	SNF61W	2F	20M% MON	3.3	3.3	26	TTL	12	7†	0.0	5.0	25nΔ	5.0n	8.0n	60m	900m	-55	125	1	B0257	Δ004AF			
28	SNF62J	2F	20M% MON	3.3	3.3	26	TTL	12	12†	0.0	5.0	25nΔ	5.0n	8.0n	60m	900m	0	75	1	B0257	M157b			
29	SNF62W	2F	20M% MON	3.3	3.3	26	TTL	12	12†	0.0	5.0	25nΔ	5.0n	8.0n	60m	900m	0	75	1	B0257	Δ004AF			
30	SNF63J	2F	20M% MON	3.3	3.3	26	TTL	12	6†	0.0	5.0	25nΔ	5.0n	8.0n	60m	900m	0	75	1	B0257	M157b			
31	SNF63W	2F	20M% MON	3.3	3.3	26	TTL	12	6†	0.0	5.0	25nΔ	5.0n	8.0n	60m	900m	0	75	1	B0257	Δ004AF			
32	TRWF60#1	2F	20M% MON	3.3	3.3	26	TTL	12	15	0.0	5.0	25n	5.0n	8.0n	60m	900m	-55	125	1	B0257	M157			
33	TRWF60#2	2F	20M% MON	3.3	3.3	26	TTL	12	15	0.0	5.0	25n	5.0n	8.0n	60m	900m	-55	125	1	B0257	M126			
34	2F260G	2F	30M% MON	3.3	3.3	26	TTL	12	11†	0	5	20nΔ	4.0n	6.0n	60m	900m	-55	125	1	B02109	T084			
35	2F260K	2F	30M% MON	3.3	3.3	26	TTL	12	11†	0	5	20nΔ	4.0n	6.0n	60m	900m	-55	125	1	B02109	T0116			
36	2F261G	2F	30M% MON	3.3	3.3	26	TTL	12	6†	0	5	20nΔ	4.0n	6.0n	60m	900m	-55	125	1	B02109	T084			
37	2F261K	2F	30M% MON	3.3	3.3	26	TTL	12	6†	0	5	20nΔ	4.0n	6.0n	60m	900m	-55	125	1	B02109	T0116			
38	6F250G	2F	30M% MON	3.3	3.3	26	TTL	12	11†	0	5	20nΔ	4.0n	6.0n	40m	900m	-55	125	1	B02107	T084			
39	6F250K	2F	30M% MON	3.3	3.3	26	TTL	12	11†	0	5	20nΔ	4.0n	6.0n	40m	900m	-55	125	1	B02107	T0116			
40	6F251G	2F	30M% MON	3.3	3.3	26	TTL	12	6†	0	5	20nΔ	4.0n	6.0n	40m	900m	-55	125	1	B02107	T084			
41	6F251K	2F	30M% MON	3.3	3.3	26	TTL	12	6†	0	5	20nΔ	4.0n	6.0n	40m	900m	-55	125	1	B02107	T0116			
42	PD9623-61	2F	30M% MON	3.3	3.3	26	TTL	10	11†	0	5	20nΔ	4.0n	6.0n	40m	900m	-55	125	1	B02107	T0116			
43	PD9623-69	2F	30M% MON	3.3	3.3	26	TTL	10	9†	0	5	20nΔ	4.0n	6.0n	40m	900m	0	75	1	B02107	T0116			
44	PD9623-71	2F	30M% MON	3.3	3.3	26	TTL	10	6†	0	5	20nΔ	4.0n	6.0n	40m	900m	-55	125	1	B02107	T0116			
45	PD9623-79	2F	30M% MON	3.3	3.3	26	TTL	10	5†	0	5	20nΔ	4.0n	6.0n	40m	900m	0	75	1	B02107	T0116			
46	PD9626-61	2F	30M% MON	3.3	3.3	26	TTL	10	11†	0	5	20nΔ	4.0n	6.0n	60m	900m	-55	125	1	B02109	T0116			
47	PD9626-69	2F	30M% MON	3.3	3.3	26	TTL	10	9†	0	5	20nΔ	4.0n	6.0n	50m	900m	0	75	1	B02109	T0116			
48	PD9626-71	2F	30M% MON	3.3	3.3	26	TTL	10	6†	0	5	20nΔ	4.0n	6.0n	60m	900m	-55	125	1	B02109	T0116			
49	PD9626-79	2F	30M% MON	3.3	3.3	26	TTL	10	5†	0	5	20nΔ	4.0n	6.0n	50m	900m	0	75	1	B02109	T0116			
50	PL9623-61	2F	30M% MON	3.3	3.3	26	TTL	12	11†	0	5	20nΔ	4.0n	6.0n	40m	900m	-55	125	1	B02107	T086			
51	PL9623-69	2F	30M% MON	3.3	3.3	26	TTL	12	9†	0	5	20nΔ	4.0n	6.0n	40m	900m	0	75	1	B02107	T086			
52	PL9623-71	2F	30M% MON	3.3	3.3	26	TTL	12	6†	0	5	20nΔ	4.0n	6.0n	40m	900m	-55	125	1	B02107	T086			
53	PL9623-79	2F	30M% MON	3.3	3.3	26	TTL	12	5†	0	5	20nΔ	4.0n	6.0n	40m	900m	0	75	1	B02107	T086			
54	PL9626-61	2F	30M% MON	3.3	3.3	26	TTL	12	11†	0	5	20nΔ	4.0n	6.0n	60m	900m	-55	125	1	B02109	T086			
55	PL9626-69	2F	30M% MON	3.3	3.3	26	TTL	12	9†	0	5	20nΔ	4.0n	6.0n	50m	900m	0	75	1	B02109	T086			
56	PL9626-71	2F	30M% MON	3.3	3.3	26	TTL	12	6†	0	5	20nΔ	4.0n	6.0n	60m	900m	-55	125	1	B02109	T086			
57	PL9626-79	2F	30M% MON	3.3	3.3	26	TTL	12	5†	0	5	20nΔ	4.0n	6.0n	50m	900m	0	75	1	B02109	T086			
58	SF250#1	2F	30M% MON	3.3	3.3	26	TTL	12	11†	0.0	5.0	20nΔ	4.0n	6.0n	40m	900m	-55	125	1	B02107	FP18			
59	SF250#2	2F	30M% MON	3.3	3.3	26	TTL	12	11†	0.0	5.0	20nΔ	4.0n	6.0n	40m	900m	-55	125	1	B02107	M75			
60	SF251#1	2F	30M% MON	3.3	3.3	26	TTL	12	6†	0.0	5.0	20nΔ	4.0n	6.0n	40m	900m	-55	125	1	B02107	FP18			
61	SF251#2	2F	30M% MON	3.3	3.3	26	TTL	12	6†	0.0	5.0	20nΔ	4.0n	6.0n	40m	900m	-55	125	1	B02107	M75			
62	SF252#1	2F	30M% MON	3.3	3.3	26	TTL	12	9†	0.0	5.0	20nΔ	4.0n	6.0n	40m	900m	0	75	1	B02107	FP18			
63	SF252#2	2F	30M% MON	3.3	3.3	26	TTL	12	9†	0.0	5.0	20nΔ	4.0n	6.0n	40m	900m	0	75	1	B02107	M75			
64	SF253#1	2F	30M% MON	3.3	3.3	26	TTL	12	5†	0.0	5.0	20nΔ	4.0n	6.0n	40m	900m	0	75	1	B02107	FP18			
65	SF253#2	2F	30M% MON	3.3	3.3	26	TTL	12	5†	0.0	5.0	20nΔ	4.0n	6.0n	40m	900m	0	75	1	B02107	M75			
66	SF260#1	2F	30M% MON	3.3	3.3	26	TTL	12																

4. BINARY/FLIP-FLOPS

IN ORDER OF: (1)TYPE FLIP-FLOP (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	6	TYPE No.	1	TYPE OF FLIP-FLOP	5	MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPAGA-TION DELAY (s)	MAX. RISE TIME		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	MAX. TEMP.		CKT PER MOD	DRAWINGS	
								3	4	2	IN	OUT MAX.	NEG (V)	POS (V)		tr (s)	tf (s)			LOW	HI		LOGIC DWG. No	OUTLINE DWG. No Δ = No
1		SF211	2F	50M	MON	3.3	3.3	26	TTL	10	7f	0	5	11nΔ	1.0n	1.7n	60m	900m	-55	125	1	B02106	ZB100	
2		SF212	2F	50M	MON	3.3	3.3	26	TTL	10	12f	0	5	11nΔ	1.0n	1.7n	50m	900m	0	75	1	B02106	ZB100	
3		SF213	2F	50M	MON	3.3	3.3	26	TTL	10	6f	0	5	11nΔ	1.0n	1.7n	50m	900m	0	75	1	B02106	ZB100	
4		SNF200J	2F	50M	MON	3.3	3.3	26	TTL	10	15f	0.0	5.0	11nΔ	1.0n	1.7n	50m	900m	-55	125	1	B02105	M157b	
5		SNF200W	2F	50M	MON	3.3	3.3	26	TTL	10	15f	0.0	5.0	11nΔ	1.0n	1.7n	50m	900m	-55	125	1	B02105	Δ004AF	
6		SNF201J	2F	50M	MON	3.3	3.3	26	TTL	10	7f	0.0	5.0	11nΔ	1.0n	1.7n	50m	900m	-55	125	1	B02105	M157b	
7		SNF201W	2F	50M	MON	3.3	3.3	26	TTL	10	7f	0.0	5.0	11nΔ	1.0n	1.7n	50m	900m	-55	125	1	B02105	Δ004AF	
8		SNF202J	2F	50M	MON	3.3	3.3	26	TTL	10	12f	0.0	5.0	11nΔ	1.0n	1.7n	60m	900m	0	75	1	B02105	M157b	
9		SNF202W	2F	50M	MON	3.3	3.3	26	TTL	10	12f	0.0	5.0	11nΔ	1.0n	1.7n	60m	900m	0	75	1	B02105	Δ004AF	
10		SNF203J	2F	50M	MON	3.3	3.3	26	TTL	10	6f	0.0	5.0	11nΔ	1.0n	1.7n	60m	900m	0	75	1	B02105	M157b	
11		SNF203W	2F	50M	MON	3.3	3.3	26	TTL	10	6f	0.0	5.0	11nΔ	1.0n	1.7n	60m	900m	0	75	1	B02105	Δ004AF	
12		SNF210J	2F	50M	MON	3.3	3.3	26	TTL	10	15f	0.0	5.0	11nΔ	1.0n	1.7n	60m	900m	-55	125	1	B02106	M157b	
13		SNF210W	2F	50M	MON	3.3	3.3	26	TTL	10	15f	0.0	5.0	11nΔ	1.0n	1.7n	60m	900m	-55	125	1	B02106	Δ004AF	
14		SNF211J	2F	50M	MON	3.3	3.3	26	TTL	10	7f	0	5	11nΔ	1.0n	1.7n	60m	900m	-55	125	1	B02106	M157b	
15		SNF211W	2F	50M	MON	3.3	3.3	26	TTL	10	7f	0.0	5.0	11nΔ	1.0n	1.7n	60m	900m	-55	125	1	B02106	Δ004AF	
16		SNF212J	2F	50M	MON	3.3	3.3	26	TTL	10	12f	0	5	11nΔ	1.0n	1.7n	50m	900m	0	75	1	B02106	M157b	
17		SNF212W	2F	50M	MON	3.3	3.3	26	TTL	10	12f	0.0	5.0	11nΔ	1.0n	1.7n	50m	900m	0	75	1	B02106	Δ004AF	
18		SNF213J	2F	50M	MON	3.3	3.3	26	TTL	10	6f	0	5	11nΔ	1.0n	1.7n	50m	900m	0	75	1	B02106	M157b	
19		SNF213W	2F	50M	MON	3.3	3.3	26	TTL	10	6f	0.0	5.0	11nΔ	1.0n	1.7n	50m	900m	0	75	1	B02106	Δ004AF	
20		TRWF200#1	2F	50M	MON	3.3	3.3	26	TTL	10	15	0.0	5.0	11n	1.0n	1.7n	50m	900m	-55	125	1	B02105	M157	
21		TRWF200#2	2F	50M	MON	3.3	3.3	26	TTL	10	15	0.0	5.0	11n	1.0n	1.7n	50m	900m	-55	125	1	B02105	M126	
22		TRWF210#1	2F	50M	MON	3.3	3.3	26	TTL	10	15	0.0	5.0	11n	1.0n	1.7n	60m	900m	-55	125	1	B02106	M157	
23		TRWF210#2	2F	50M	MON	3.3	3.3	26	TTL	10	15	0.0	5.0	11n	1.0n	1.7n	60m	900m	-55	125	1	B02106	M126	
24		SWF50	2F	20M%	MON	3.5	3.5	26	TTL	10	15	0.0	6.0	21n	5.0n	8.0n	50m	1.0	-55	125	1	B0274	T086	
25		SWF51	2F	20M%	MON	3.5	3.5	26	TTL	10	7	0.0	6.0	21n	5.0n	8.0n	50m	1.0	-55	125	1	B0274	T086	
26		SWF52	2F	20M%	MON	3.5	3.5	26	TTL	10	12	0.0	6.0	21n	5.0n	8.0n	50m	1.0	0	75	1	B0274	T086	
27		SWF53	2F	20M%	MON	3.5	3.5	26	TTL	10	6	0.0	6.0	21n	5.0n	8.0n	50m	1.0	0	75	1	B0274	T086	
28		SWF60	2F	20M	MON	3.5	3.5	26	TTL	10	15	0.0	6.0	21n	5.0n	8.0n	50m	1.0	-55	125	1		T086	
29		SWF61	2F	20M	MON	3.5	3.5	26	TTL	10	7	0.0	6.0	21n	5.0n	8.0n	50m	1.0	-55	125	1		T086	
30		SWF62	2F	20M	MON	3.5	3.5	26	TTL	10	12	0.0	6.0	21n	5.0n	8.0n	50m	1.0	0	75	1		T086	
31		SWF63	2F	20M	MON	3.5	3.5	26	TTL	10	6	0.0	6.0	21n	5.0n	8.0n	50m	1.0	0	75	1		T086	
32		GFF4-20	2F,G	20M	PCB	-6.0	0.0	0.0	DTL	5	12	12	6.0	24nΔ	2.0n	12n	2.0	2.0	0	55	2	B0241	CB15	
33		UF23	2F,R	100k	PCB	0.0	8.0	8.0	RCT	14	10	12	6.0	300n%	1.0u	4.0u	370m	1.5	-20	55	2		CB10	
34		SUF21	2FR	300k	PCB	0.0	8.0	8.0	RCT	14	10	12	12	180n%	500n	1.0u	310m	1.5	-40	75	2	B0251	CB10	
35		SUF23	2FR	300k	PCB	0.0	8.0	8.0	RCT	14	10	12	12	180n%	500n	1.0u	310m	1.5	-40	75	2	B0251	CB10	
36		SUF1	2FR	1.5M	PCB	0.0	8.0	8.0	RCT	14	10	12	12	120n%	150n	250n	500m	1.5	-40	75	2	B0251	CB10	
37		SUF3	2FR	1.5M	PCB	0.0	8.0	8.0	RCT	14	10	12	12	120n%	150n	250n	500m	1.5	-40	75	2	B0251	CB10	
38		UF21	2FR	100k	PCB	0.0	-10	-10	RCT	14	10	12	6.0	300n%	1.0u	4.0u	370m	1.5	-20	55	2	B0251	CB10	
39		UF1	2FR	300k	PCB	0.0	-10	-10	RCT	14	10	12	6.0	180n%	500n	1.0u	320m	1.5	-20	55	2	B0251	CB10	
40		UF3	2FR	300k	PCB	0.0	-10	-10	RCT	14	10	12	6.0	180n%	500n	1.0u	320m	1.5	-20	55	2	B0251	CB10	
41		UF1A	2FR	2.0M	PCB	0.0	-10	-10	RCT	14	7	12	6.0	100n%	100n	250n	630m	1.5	-20	55	2	B0251	CB10	
42		UF3A	2FR	2.0M	PCB	0.0	-10	-10	RCT	14	7	12	6.0	100n%	100n	250n	630m	1.5	-20	55	2	B0251	CB10	
43		UF2	2FR	5.0M	PCB	0.0	-10	-10	RCT	14	7	12	6.0	50n%	50n	150n	630m	1.5	-20	55	2	B0251	CB10	
44		UF4	2FR	5.0M	PCB	0.0	-10	-10	RCT	14	7	12	6.0	50n%	50n	150n	630m	1.5	-20	55	2	B0251	CB10	
45		NE125A	2G		MON	2.8%	.45*	.45*	DTL	10	8	0	6.2	55nΔ		88m		0	70	1	B0272a	TO116		
46		NE125J	2G		MON	2.8%	.45*	.45*	DTL	10	8	0	6.2	55nΔ		88m		0	70	1	B0272	T088		
47		SE125J	2G	12M	MON	5.0	0.0	0.0	DTL	10	8	0.0	8.0			250m		-55	125	1	B0272	T088		
48		3101-4-6J	2G	250kΔ	MOS	9.0%	2.0*	2.0*	PCH	5		29	0.0	1.0nΔ		200mΔ		-55	85	2	B02171	M148		
49#		27684-02-2-803										12	12	5.8u	1.0u	1.5u				3	B0374a			
50#		27684-03-2-803										12	12	5.8u	1.0u	1.5u				3	B0374a			
51#		FJJ291-74118										12	12	5.8u	1.0u	1.5u				6	B0374b			
52		DC50CSFF1	3	50M	PCB	3.0	0.0	0.0	PCB	3	4	12	12	9.0n	7.0n	10n	180m	1.0 Δ	0	70	4	B03151	M117q	
53		DC50MSFF1	3	50M	PCB	3.0	0.0	0.0	PCB	3	4	12	12	9.0n	7.0n	10n	180m	1.0	-10	100	4	B0331		
54		DC01CSFF1	3	20k	PCB	6.0	0.0	0.0	PCB	3	4	12	12	500n	1.0u	1.0u	1.0	1.0	-55	100	4	B038b		
55		DC01MSFF1	3	20k	PCB	6.0	0.0	0.0	PCB	3	4	12	12	500n	1.0u	1.0u	1.0	1.0	-55	100	4	B038b		
56		DC01MSFF3	3	20k	PCB	6.0	0.0	0.0	PCB	3	4	12	12	500n	1.0u	1.0u	1.0	1.0	-55	100	4	B0331		
57		DC01MSFF4	3	20k	PCB	6.0	0.0	0.0	PCB	3	4	12	12	500n	1.0u									

4. BINARY/FLIP-FLOPS

IN ORDER OF: (1)TYPE FLIP-FLOP (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	TYPE No.	1 OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PRO-CESSES	LOGIC			FAN IN		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME		TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					LEVEL		TYPE	IN	OUT MAX.	NEG (V)	POS (V)		tr (s)	tf (s)			LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=MO
					3 '1' (V)	4 '0' (V)															
1	WC212G.T	3	10M	MON			DTL	3	10	0.0	6.0	38n			15m	550m*	0	75	1	B0325	ZB72
2	WM202T.G.Q	3	10M	MON			DTL	3	10	0.0	6.0	38n			15m	550m*	-55	125	1	B0324	ZB71
3	WM212Q	3	10M	MON			DTL	3	10	0.0	6.0	38n			15m	550m*	-55	125	1	B0325	TO91
4	WM212T.G	3	10M	MON			DTL	8Δ	10	0.0	6.0	38n			15m	550m*	-55	125	1	B0325	ZB83
5	SW950-1D	3	30M†	MON		.30†	DTL	6	8†	0.0	8.0	25n			30m	1.0	-55	125	1	B03120	TO85
6	SW950-1F	3	30M†	MON		.30†	DTL	6	8†	0	8	25n			30m	1.0	-55	125	1	B0397a	TO86
7	SW950-1S	3	30M†	MON		.30†	DTL	6	8†	0	8	25n			30m	1.0	-55	125	1	B0397b	CN52
8	SW950-1T	3	30M†	MON		.30†	DTL	6	8†	0	8	25n			30m	1.0	-55	125	1	B0397	CN39
9	SW950-2D	3	30M†	MON		.30†	DTL	6	8†	0.0	8.0	25n			30m	1.0	0	75	1	B03120	TO85
10	SW950-2F	3	30M†	MON		.30†	DTL	6	8†	0	8	25n			30m	1.0	0	75	1	B0397a	TO86
11	SW950-2S	3	30M†	MON		.30†	DTL	6	8†	0	8	25n			30m	1.0	0	75	1	B0397b	CN52
12	SW950-2T	3	30M†	MON		.30†	DTL	6	8†	0	8	25n			30m	1.0	0	75	1	B0397	CN39
13	SW950-1P	3	40M†	MON		.30†	DTL	6	8	0.0	5.0	25n%			30m†	1.0	-55	125	1	B0397a	TO116
14	SW950-2M	3	40M†	MON		.30†	DTL	6	8	0.0	5.0	25n%			30m†	1.0	0	75	1	B0397a	M105n
15	SW950-2P	3	40M†	MON		.30†	DTL	6	8	0.0	5.0	25n%			30m†	1.0	0	75	1	B0397a	TO116
16	U813	3		3DM	0.0	6.0	DTL		3	12	12	20n					-55	125	1	B0334	M17
17	5K5	3	500k	3DM	0.0	9.0	DTL		2	12	0	100n	100n	469n	120m		-20	15	1	B03103	M82
18	T103Δ	3	300k	PCB	0.0	-3.0	DTL		5	2	12	0.0			48m		-45	65	1	B03129	M16
19	R284	3	2.0M	PCB	0.0	-3.0	DTL		2	13	15	10			545m	800m	-20	65	4	B0372	CB31
20	SW772-1F	3	7.0M†	MON	1.8%	1.2*	DTL		2	8†	0	8	60n		48m	1.0	-55	125	3	B03130	FP52
21	SW773-1F	3	10M†	MON	1.8%	1.2*	DTL		2	7†	0	8	40n		72m	1.0	-55	125	3	B03130	FP52
22	SW773-1P	3	10M†	MON	1.8%	1.2*	DTL		2	7	0.0	5.0	40n%		72m†	1.0	-55	125	3	B03130	TO116
23	DTuL945 #1	3		MON	1.9	1.0	DTL		7	0.0	5.0	75n			8.5m	1.0	0	75	1	B0395	FP28
24	DTuL945 #2	3		MON	1.9	1.0	DTL		7	0.0	5.0	75n			8.5m	1.0	0	75	1	B0395	M54
25	DTuL948 #1	3		MON	1.9	1.0	DTL		7	0.0	5.0	65n			8.5m	1.0	0	75	1	B0395a	FP28
26	DTuL948 #2	3		MON	1.9	1.0	DTL		7	0.0	5.0	65n			8.5m	1.0	0	75	1	B0395a	M54
27	SW772-2F	3	7.0M†	MON	1.9%	1.2*	DTL		2	8†	0	8	60n		48m	1.0	0	75	3	B03130	FP52
28	SW773-2F	3	10M†	MON	1.9%	1.2*	DTL		2	7†	0	8	40n		72m	1.0	0	75	3	B03130	FP52
29	SW773-2M	3	10M†	MON	1.9%	1.2*	DTL		2	7	0.0	5.0	40n%		72m†	1.0	0	75	3	B03130	M105n
30	SW773-2P	3	10M†	MON	1.9%	1.2*	DTL		2	7	0.0	5.0	40n%		72m†	1.0	0	75	3	B03130	TO116
31	815	3	5.0MΔ	PCB	2.0%	4.5*	DTL		2	7	0.0	5.0			320m	1.4	0	70	8	B03110	CB50
32	D4018	3	5.0M	PCB	2.0%	.95*	DTL		1	7	0	5	95nΔ		240m	1.0 Δ	0	75	12		
33	RC202D	3		MON	2.0%	1.0*	DTL		6	10	0	6.0	48n		11m†	550m	0	75	1	B0324	M105k
34	RC202G	3		MON	2.0%	1.0*	DTL		6	10	0	6.0	48n		11m†	550m	0	75	1	B0324	TO84
35	RC202P	3		MON	2.0%	1.0*	DTL		6	10	0	6.0	48n		11m†	550m	0	75	1	B0324	M105m
36	RC202T	3		MON	2.0%	1.0*	DTL		6	10	0	6.0	48n		11m†	550m	0	75	1	B0319	TO101
37	RC212D	3		MON	2.0%	1.0*	DTL		8Δ	10	0	6.0	48n		11m†	550m	0	75	1	B0321b	M105k
38	RC212G	3		MON	2.0%	1.0*	DTL		8Δ	10	0	6.0	48n		11m†	550m	0	75	1	B0321b	TO84
39	RC212P	3		MON	2.0%	1.0*	DTL		8Δ	10	0	6.0	48n		11m†	550m	0	75	1	B0321b	M105m
40	RC212T	3		MON	2.0%	1.0*	DTL		8Δ	10	0	6.0	48n		11m†	550m	0	75	1	B0321a	TO101
41	RC222D	3		MON	2.0%	1.0*	DTL		8Δ	10	0	6.0	48n		20m†	550m	0	75	1	B0325a	M105k
42	RC222G	3		MON	2.0%	1.0*	DTL		8Δ	10	0	6.0	48n		20m†	550m	0	75	1	B0325a	TO84
43	RC222P	3		MON	2.0%	1.0*	DTL		8Δ	10	0	6.0	48n		20m†	550m	0	75	1	B0325a	M105m
44	RC222T	3		MON	2.0%	1.0*	DTL		8Δ	10	0	6.0	48n		20m†	550m	0	75	1	B0325a	TO101
45	RC950P	3		MON	2.0%	1.0*	DTL		6	8	0.0	5.0	30n		23m†	500m	-55	125	1		M105
46	RC950Q	3		MON	2.0%	1.0*	DTL		6	8	0.0	5.0	30n		23m†	500m	-55	125	1		FP26b
47	RC950T	3		MON	2.0%	1.0*	DTL		6	8	0.0	5.0	30n		23m†	500m	-55	125	1		TO101
48	RM202D	3		MON	2.0%	1.0*	DTL		6	10	0	6.0	48n		11m†	550m	-55	125	1	B0324	M105k
49	RM202G	3		MON	2.0%	1.0*	DTL		6	10	0	6.0	48n		11m†	550m	-55	125	1	B0324	TO84
50	RM202P	3		MON	2.0%	1.0*	DTL		6	10	0	6.0	48n		11m†	550m	-55	125	1	B0324	M105m
51	RM202T	3		MON	2.0%	1.0*	DTL		6	10	0	6.0	48n		11m†	550m	-55	125	1	B0319	TO101
52	RM212D	3		MON	2.0%	1.0*	DTL		8Δ	10	0	6.0	48n		11m†	550m	-55	125	1	B0321b	M105k
53	RM212G	3		MON	2.0%	1.0*	DTL		8Δ	10	0	6.0	48n		11m†	550m	-55	125	1	B0321b	TO84
54	RM212P	3		MON	2.0%	1.0*	DTL		8Δ	10	0	6.0	48n		11m†	550m	-55	125	1	B0321b	M105m
55	RM212T	3		MON	2.0%	1.0*	DTL		8Δ	10	0	6.0	48n		11m†	550m	-55	125	1	B0321a	TO101
56	RM222D	3		MON	2.0%	1.0*	DTL		8Δ	10	0	6.0	48n		20m†	550m	-55	125	1	B0325a	M105k
57	RM222G	3		MON	2.0%	1.0*	DTL		8Δ	10	0	6.0	48n		20m†	550m	-55	125	1	B0325a	TO84
58	RM222P	3		MON	2.0%	1.0*	DTL		8Δ	10	0	6.0	48n		20m†	550m	-55	125	1	B0325a	M105m
59	RM222T	3		MON	2.0%	1.0*	DTL		8Δ	10	0	6.0	48n		20m†	550m	-55	125	1	B0325a	TO101
60	RM950P	3		MON	2.0%	1.0*	DTL		6	8	0.0	5.0	30n		23m†	500m	-55	125	1		M105
61	RM950Q	3		MON	2.0%	1.0*	DTL		6	8	0.0	5.0	30n		23m†	500m	-55	125	1		FP26b
62	RM950T	3		MON	2.0%	1.0*	DTL		6	8	0.0	5.0	30n		23m†	500m	-55	125	1		TO101
63	IRS0216	3	5.0M	PCB	2.0%	1.1*	DTL		2	7	0	5	95nΔ		160m	500m	0	75	8	B03118	CB51
64	IRS0222	3	5.0M	PCB	2.0%	1.1*	DTL		2	8	0	5	95nΔ		275m	500m	0	75	8	B03119	CB51
65	IRS2216	3	5.0M	PCB	2.0%	1.1*	DTL		2	7	0	5	95nΔ		160m	500m	0	75	8	B03118	CB51
66	IRS2222	3	5.0M	PCB	2.0%	1.1*	DTL		2	7	0	5	95nΔ		275m	500m	0	75	8	B03119	CB51
67	CT654-3	3	5.0M	PCB	2.5	0.0	DTL		10	5	6.0				210m	350m	0	75			
68	SN1512	3	10M	MON	2.5	.40	DTL		10	7	0.0	5.5	30n		20m	750m	-55	125	1		TO84
69	945HC	3		MON	2.6%	.40†*	DTL		6	24	0.0	5.0	36n			1.0	0	70	1	B0395	TO100
70	948HC	3		MON	2.6%	.40†*	DTL		6	18	0.0	5.0	36n			1.0	-55	125	1	B0395a	TO100
71	950HC	3		MON	2.6%	.40†*	DTL		6	16	0.0	5.0	36n			1.0	-55	125	1	B0397c	TO100
72	DTL395051	3		MON	2.6%	.40†*	DTL		6	20	0.0	8.0	30n		27m	500m	-55	125	1	B0397a	FP28
73	DTL695051	3		MON	2.6%	.40†*	DTL		6	20	0.0	8.0	30n		27m	500m	-55	125	1	B0397a	M54
74	PD9931-51	3		MON	2.6	.40	DTL</														

4. BINARY/FLIP-FLOPS

IN ORDER OF: (1)TYPE FLIP-FLOP (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	6	TYPE No.	1	TYPE OF FLIP-FLOP	5	MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX.			MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
								3	LEVEL		TYPE	IN	OUT MAX.	NEG (V)		POS (V)	RISE TIME tr (s)	FALL TIME tf (s)			LOW	HI		LOGIC DWG. No	OUTLINE DWG. No Δ=MO
									'1' (V)	'0' (V)															
1		SN337A	3				MON	6.0	.10	DTL	4	12	3	6	250n	100n	150n	100m	500m	85	50	1	B0316	ZB6	
2		MC282G	3		10M†		MON	6.0	.40	DTL				18n			19m	550m	-55	125	1	B0319	CN42		
3		MS02	3		1.0M		PCB	6.2	0.0	DTL	2	2	18	18	80n	100n	1.3	2.5 *	-30	100	4		CB25		
4		MS03	3		1.0M		PCB	6.2	0.0	DTL	2	2	18	18	100n	100n	1.8	2.5 *	-30	100	4		CB25		
5		MS07	3		1.0M		PCB	6.2	0.0	DTL	2	2	18	18	80n	100n	1.7	2.5 *	-30	100	4		CB25		
6		FA320	3		2.0M		MOH	6.3	0.0	DTL	7†			0.0	6.0	120nΔ		520m	0	55	4		CB13		
7		FF320	3		2.0M		MOH	6.3	0.0	DTL	2	16	0.0	6.0	150nΔ		462m	0	55	8		B03144	CB13		
8		FF335	3		5.0M		MOH	6.3*	1.1*	DTL	2	2	0	6.3			800m	1.3	0	55	8		B038k	CB13	
9		UF335	3		5.0M		MOH	6.3*	1.1*	DTL	6	2	0	6.3			300m	1.3	0	55	3		B0315	CB13	
10		3K2	3		250k		3DM	-2.0	-6.0	DTL	4		20	6			117m	-20	75	1		B03104	M77		
11		CT162-4	3		250k		PCB	-3.0	-1.1	DTL	4		12	0	400n	1.0u	2.0u	240m	1.5	-45	65	4		CB16	
12		T162	3		250k		3DM	-3.0	-1.1	DTL	4		12	0	400n	1.0u	2.0u	60m	1.5	-45	65	1	B0333	M17	
13		T646	3		250k		3DM	-3.0	-1.1	DTL	4		12	12	400n	1.0u		325m	1.5	-45	65	1	B0333	M17	
14		T648	3		250k		3DM	-3.0	-1.1	DTL	4		12	0	400n	1.0u	1.5u	450m	1.5	-45	65	1	B0333	M17	
15		B659	3		1.0k		PCB	-6.0	0.0	DTL	4	4	12	6.0			150m	2.0	-15	60	1	B0347	CB22		
16		406	3		300k		PCB	-6.8	0.0	DTL	3	2	12	12			800m	0	55	1			CB24		
17		FF21-1	3		2.0M		3DM	10	0.0	DTL	6	3	12	12	20n	200n	50n	75m	2.0	-35	125	1	B0336b	M16	
18#		TL664L	3		3.0M1%		MON	13%	1.5†*	DTL	7	8	0.0	18			160m†	5.0	-30	75	1	B03127	M157a		
19#		TL664P	3		3.0M1%		MON	13%	1.5†*	DTL	7	8	0.0	18			160m†	5.0	-30	75	1	B03127	M114f		
20		GSS1	3		2.0k		PCB	-10	0.0	DTL	1		12	0.0		4.0u	120m	2.0	0	55	4		CB15		
21		FF11-1	3		100k		3DM	-10	0.0	DTL	6	3	12	12	100n	150n	300n	130m	2.0	-35	65	1	B0336a	M15	
22		FF31-1	3		10M		3DM	-10	0.0	DTL	6	3	12	12	100n	20n	30n	230m	2.0	-35	65	1	B0336a	M15	
23		ECL2541	3				MON	-15%	-15*	ECL	5	35	3.2	1.32	2.5n	7.8	7.8	225mΔ	0	70	2	B03148	M117m		
24		ECL2542	3				MON	-15%	-15*	ECL	7	35	3.2	1.32	2.5n	6.9	6.9	225mΔ	0	70	2	B03149	M117m		
25		MC1014P	3				MON	-75	-1.6	ECT	3	50	5.2	0.0	6.0n	9.0n	8.5n	140m†	175m	0	75	2	B03125	TO116	
26		MC1015P	3				MON	-75	-1.6	ECT	3	50	5.2	0.0	6.0n	9.0n	8.5n	140m†	175m	0	75	2	B03126	TO116	
27		MC1016P	3				MON	-75	-1.6	ECT	2	50	5.2	0.0	6.0n	9.0n	8.5n	140m†	175m	0	75	2	B03138	TO116	
28		MC1033P	3				MON	-75	-1.6	ECT	2	50	5.2	0.0	6.0n	9.0n	8.5n	140m†	175m	0	75	2	B03139	TO116	
29		MC1214F	3				MON	-75	-1.6	ECT	3	50	5.2	0.0	6.0n	9.0n	8.5n	140m†	175m	-55	125	2	B03125	TO86	
30		MC1214L	3				MON	-75	-1.6	ECT	3	50	5.2	0.0	6.0n	9.0n	8.5n	140m†	175m	-55	125	2	B03125	TO116	
31		MC1215F	3				MON	-75	-1.6	ECT	3	50	5.2	0.0	6.0n	9.0n	8.5n	140m†	175m	-55	125	2	B03126	TO86	
32		MC1215L	3				MON	-75	-1.6	ECT	3	50	5.2	0.0	6.0n	9.0n	8.5n	140m†	175m	-55	125	2	B03126	TO116	
33		MC1216F	3				MON	-75	-1.6	ECT	2	50	5.2	0.0	6.0n	9.0n	8.5n	140m†	175m	-55	125	2	B03138	TO86	
34		MC1216L	3				MON	-75	-1.6	ECT	2	50	5.2	0.0	6.0n	9.0n	8.5n	140m†	175m	-55	125	2	B03138	TO116	
35		MC1233F	3				MON	-75	-1.6	ECT	2	50	5.2	0.0	6.0n	9.0n	8.5n	140m†	175m	-55	125	2	B03139	TO86	
36		MC1233L	3				MON	-75	-1.6	ECT	2	50	5.2	0.0	6.0n	9.0n	8.5n	140m†	175m	-55	125	2	B03139	TO116	
37		MC302F	3		40M		MON	-75	-1.6	ECT	4	25	5.2	0.0	18n	18n	17n	55m	-55	125	1	B0320	TO91		
38		MC302G	3		40M		MON	-75	-1.6	ECT	4	25	5.2	0.0	18n	18n	17n	55m	-55	125	1	B0320	CN9		
39		MC352F	3		40M		MON	-75	-1.6	ECT	6Δ	15	5.2	0.0	15n	17n	18n	48m	0	75	1	B0320	TO91		
40		MC352G	3		40M		MON	-75	-1.6	ECT	6Δ	15	5.2	0.0	15n	17n	18n	48m	0	75	1	B0320	CN9		
41		SW302G	3		40M		MON	-75	-1.6	ECT	4	25	5.2	0.0	18n	18n	17n	55m	-55	125	1	B0320	CN9		
42		SW352A-G	3		40M		MON	-75	-1.6	ECT	4	25	5.2	0.0	15n	17n	18n	48m	0	75	1	B0320	CN9		
43		MC1014L	3		80M		MON	-75	-1.6	ECT	3	50	5.2	0.0	5.0n	9.0n	8.5n	140m†	175m	0	75	2	B03125	TO116	
44		MC1015L	3		80M		MON	-75	-1.6	ECT	3	50	5.2	0.0	5.0n	9.0n	8.5n	140m†	175m	0	75	2	B03126	TO116	
45		MC1016L	3		80M		MON	-75	-1.6	ECT	2	50	5.2	0.0	5.0n	9.0n	8.5n	140m†	175m	0	75	2	B03138	TO116	
46		MC1033L	3		80M		MON	-75	-1.6	ECT	2	50	5.2	0.0	5.0n	9.0n	8.5n	140m†	175m	0	75	2	B03139	TO116	
47		SW1014F	3		80M		MON	-75	-1.6	ECT	3	25	5.2	0.0	6.0n	9.0n	9.0n	140m†	175m	0	75	2	B03125	TO86	
48		SW1014M	3		80M		MON	-75	-1.6	ECT	3	25	5.2	0.0	6.0n	9.0n	9.0n	140m†	175m	0	75	2	B03125	M105n	
49		SW1014P	3		80M		MON	-75	-1.6	ECT	3	25	5.2	0.0	6.0n	9.0n	9.0n	140m†	175m	0	75	2	B03125	TO116	
50		SW1015F	3		80M		MON	-75	-1.6	ECT	3	25	5.2	0.0	6.0n	9.0n	8.5n	140m†	175m	0	75	2	B03126	TO86	
51		SW1015M	3		80M		MON	-75	-1.6	ECT	3	25	5.2	0.0	6.0n	9.0n	8.5n	140m†	175m	0	75	2	B03126	M105n	
52		SW1015P	3		80M		MON	-75	-1.6	ECT	3	25	5.2	0.0	6.0n	9.0n	8.5n	140m†	175m	0	75	2	B03126	TO116	
53		SW1016F	3		80M		MON	-75	-1.6	ECT	2	25	5.2	0.0	6.0n	7.5n	9.0n	140m†	175m	0	75	2	B03138	TO86	
54		SW1016M	3		80M		MON	-75	-1.6	ECT	2	25	5.2	0.0	6.0n	7.5n	9.0n	140m†	175m	0	75	2	B03138	M105n	
55		SW1016P	3		80M		MON	-75	-1.6	ECT	2	25	5.2	0.0	6.0n	7.5n	9.0n	140m†	175m	0	75	2	B03138	TO116	
56		SW1033F	3		80M		MON	-75	-1.6	ECT	2	25	5.2	0.0	6.0n	7.5n	9.0n	140m†	175m	0	75	2	B03139	TO86	
57		SW1033M	3		80M		MON	-75	-1.6	ECT	2	25	5.2	0.0	6.0n	7.5n	9.0n	140m†	175m	0	75	2	B03139	M105n	
58		SW1033P	3		80M		MON	-75	-1.6	ECT	2	25	5.2	0.0	6.0n	7.5n	9.0n	140m†	175m	0	75	2	B03139	TO116	
59		SW1214F	3		80M		MON	-75	-1.6	ECT	3	25	5.2	0.0	6.0n	9.0n	9.0n	140m†	175m	-55	125	2	B03125	TO86	
60		SW1214P	3		80M		MON	-75	-1.6	ECT	3	25	5.2	0.0	6.0n	9.0n	9.0n	140m†	175m	-55	125	2	B03125	TO116	
61		SW1215F	3		80M		MON	-75	-1.6	ECT	3	25	5.2	0.0	6.0n	9.0n	8.5n	140m†	175m	-55	125	2	B03126	TO86	
62		SW1215P	3		80M		MON	-75	-1.6	ECT	3	25	5.2	0.0	6.0n	9.0n	8.5n	140m†	175m	-55	125	2	B03126	TO116	
63		SW1216F	3		80M		MON	-75	-1.6	ECT	2	25	5.2	0.0	6.0n	7.5n	9.0n	140m†	175m	-55	125	2	B03138	TO86	
64		SW1216P	3		80M		MON	-75	-1.6	ECT	2	25	5.2	0.0	6.0n	7.5n	9.0n	140m†	175m	-55	125	2	B03138	TO116	
65		SW1233F	3		80M		MON	-75	-1.6	ECT	2	25	5.2	0.0	6.0n	7.5n	9.0n	140m†	175m	-55	125	2	B03139	TO86	
66		SW1233P	3		80M																				

4. BINARY/FLIP-FLOPS

IN ORDER OF: (1)TYPE FLIP-FLOP (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	TYPE No.	TYPE OF FLIP-FLOP	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN IN	OUT MAX.	POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME (s)		FALL TIME (s)	TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					LEVEL	TYPE	IN			NEG (V)	POS (V)		tr	tf				LOW	HI		LOGIC DWG. No	OUTLINE DWG. No Δ=MO
1#	MIC957	3		MON	2.2%		RTL	6	9.5	2.0	4.5	14n			1.0	500m	0	75	1	B03131	M153a	
2	563BE	3	4.0M	MON		.361*	TTL	6	10	0	4	60n			1.0m		-55	125	1			
3	563BH	3	4.0M	MON			TTL	6	10	0	4	60n			1.0m		-55	125	1			
4	R16701	3	4.0M	MON			TTL	6	10	0.0	4.0	60n			1.0m		-55	125	1		TO100	
5	R46701	3	4.0M	MON			TTL	6	10	0.0	4.0	60n			1.0m		-55	125	1		FP26a	
6	116AE	3		MON	.80	.25	TTL	2	10	0	3	18n			26m	300m	-55	125	1	B0317		
7	116AH	3		MON	.80	.25	TTL	2	10	0	3	18n			26m	300m	-55	125	1	B0317		
8	116BE	3		MON	.80	.25	TTL	2	5	0	3	18n			26m	265m	-55	125	1	B0317		
9	116BH	3		MON	.80	.25	TTL	2	10	0	3	18n			26m	265m	-55	125	1	B0317		
10	116CE	3		MON	.80	.25	TTL	2	5	0	3	18n			26m	250m	0	70	1	B0317	CN10	
11	F11001	3		MON	.80	.25	TTL	2	10	0.0	3.0	18n			26m	300m	-55	125	1	B0317	CN10	
12	F11004	3		MON	.80	.25	TTL	2	5	0.0	3.0	18n			26m	250m	0	70	1	B0317	CN10	
13	F11008	3		MON	.80	.25	TTL	2	5	0.0	3.0	18n			26m	265m	-55	125	1	B0317	CN10	
14	F41001	3		MON	.80	.25	TTL	2	10	0.0	3.0	18n			26m	300m	-55	125	1	B0317	FP26	
15	F41008	3		MON	.80	.25	TTL	2	5	0.0	3.0	18n			26m	265m	-55	125	1	B0317	FP26c	
16	RSN54L71H	3	3.0MΔ	MON	1.9%	.80*	TTL	9	20	0.0	5.0	150nΔ			7.2m%	1.0 Δ	-55	125	1	B02283	FP69b	
17	NC74L71N	3	3.0MΔ	MON	2.0%	.70*	TTL	9	20	0.0	5.0	48n%			8.0m†	1.0 Δ	0	70	1	B03117	TO116	
18	SN54L71N	3	3.0MΔ	MON	2.0%	.70*	TTL	9	20	0.0	5.0	48n%			8.0m†	1.0 Δ	-55	125	1	B03117	M126e	
19	SN74L71T	3	3.0MΔ	MON	2.0%	.70*	TTL	9	20	0.0	5.0	48n%			8.0m†	1.0 Δ	0	70	1	B03117	FP52e	
20#	FJB9329	3		MON	2.0%	.80*	TTL	7	10	0.0	5.0	29nΔ			180m†	0	0	70	6	B03157	M210a	
21#	FJJ291	3		MON	2.0%	.80*	TTL	7	10	0.0	5.0	29nΔ			180m†	400m	0	70	6	B03151	M146e	
22	6F10G	3	20M	MON	3.3	.26	TTL	6	15	0	5	20n	5.0n	8.0n	30m	900m	-55	125	1	B0388a	TO84	
23	6F10K	3	20M	MON	3.3	.26	TTL	6	15	0	5	20n	5.0n	8.0n	30m	900m	-55	125	1	B0388a	TO116	
24	6F11G	3	20M	MON	3.3	.26	TTL	6	7	0	5	20n	5.0n	8.0n	30m	900m	-55	125	1	B0388a	TO84	
25	6F11K	3	20M	MON	3.3	.26	TTL	6	7	0	5	20n	5.0n	8.0n	30m	900m	-55	125	1	B0388a	TO116	
26	6F12D	3	20M	MON	3.3	.26	TTL	6	12	0	5	20n	5.0n	8.0n	30m	900m	0	75	1	B0388a	TO116	
27	6F12G	3	20M	MON	3.3	.26	TTL	6	12	0	5	20n	5.0n	8.0n	30m	900m	0	75	1	B0388a	TO84	
28	6F13D	3	20M	MON	3.3	.26	TTL	6	6	0	5	20n	5.0n	8.0n	30m	900m	0	75	1	B0388a	TO116	
29	6F13G	3	20M	MON	3.3	.26	TTL	6	6	0	5	20n	5.0n	8.0n	30m	900m	0	75	1	B0388a	TO84	
30	SF10#1	3	20M	MON	3.3	.26	TTL	6	15	0.0	5.0	20n	5.0n	8.0n	30m	900m	-55	125	1	B0388a	FP18	
31	SF10#2	3	20M	MON	3.3	.26	TTL	6	15	0.0	5.0	20n	5.0n	8.0n	30m	900m	-55	125	1	B0388a	M75	
32	SF11#1	3	20M	MON	3.3	.26	TTL	6	7	0.0	5.0	20n	5.0n	8.0n	30m	900m	-55	125	1	B0388a	FP18	
33	SF11#2	3	20M	MON	3.3	.26	TTL	6	7	0.0	5.0	20n	5.0n	8.0n	30m	900m	-55	125	1	B0388a	M75	
34	SF12#1	3	20M	MON	3.3	.26	TTL	6	12	0.0	5.0	20n	5.0n	8.0n	30m	900m	0	75	1	B0388a	FP18	
35	SF12#2	3	20M	MON	3.3	.26	TTL	6	12	0.0	5.0	20n	5.0n	8.0n	30m	900m	0	75	1	B0388a	M75	
36	SF13#1	3	20M	MON	3.3	.26	TTL	6	6	0.0	5.0	20n	5.0n	8.0n	30m	900m	0	75	1	B0388a	FP18	
37	SF13#2	3	20M	MON	3.3	.26	TTL	6	6	0.0	5.0	20n	5.0n	8.0n	30m	900m	0	75	1	B0388a	M75	
38	RF10D	3	20M†	MON	3.4	.20	TTL	6	15	0	5	30†	1.1		30†	1.1	-55	125	1	B0388a	M105m	
39	RF10K	3	20M†	MON	3.4	.20	TTL	6	15	0	5	30†	1.1		30†	1.1	-55	125	1	B0388a	FP21b	
40	RF10P	3	20M†	MON	3.4	.20	TTL	6	15	0	5	30†	1.1		30†	1.1	-55	125	1	B0388a	M105k	
41	RF11D	3	20M†	MON	3.4	.20	TTL	6	7	0	5	30†	1.1		30†	1.1	-55	125	1	B0388a	M105m	
42	RF11K	3	20M†	MON	3.4	.20	TTL	6	7	0	5	30†	1.1		30†	1.1	-55	125	1	B0388a	FP21b	
43	RF11P	3	20M†	MON	3.4	.20	TTL	6	7	0	5	30†	1.1		30†	1.1	-55	125	1	B0388a	M105k	
44	RF12D	3	20M†	MON	3.4	.20	TTL	6	12	0	5	30†	1.1		30†	1.1	0	75	1	B0388a	M105m	
45	RF12K	3	20M†	MON	3.4	.20	TTL	6	12	0	5	30†	1.1		30†	1.1	0	75	1	B0388a	FP21b	
46	RF12P	3	20M†	MON	3.4	.20	TTL	6	12	0	5	30†	1.1		30†	1.1	0	75	1	B0388a	M105k	
47	RF13D	3	20M†	MON	3.4	.20	TTL	6	6	0	5	30m†	1.1		30m†	1.1	0	75	1	B0388a	M105m	
48	RF13K	3	20M†	MON	3.4	.20	TTL	6	6	0	5	30m†	1.1		30m†	1.1	0	75	1	B0388a	FP21b	
49	RF13P	3	20M†	MON	3.4	.20	TTL	6	6	0	5	30m†	1.1		30m†	1.1	0	75	1	B0388a	M105k	
50	MC652F	3		MON	9.7%	.73*	VTL	8Δ	4	10	10	75n			200m	5.0	0	75	1	B0384	CN42	
51	MC652G	3		MON	9.7%	.73*	VTL	8Δ	4	10	10	75n			200m	5.0	0	75	1	B0384	CN42	
52	SW945-1D	3,2	15M†	MON	1.8%	1.2*	DTL	7	12†	0.0	8.0	50n			40m	1.0	-55	125	1	B0395	TO85	
53	SW945-1F	3,2	15M†	MON	1.8%	1.2*	DTL	7	12†	0.0	8.0	50n			40m	1.0	-55	125	1	B0395	TO86	
54	SW945-1P	3,2	15M†	MON	1.8%	1.2*	DTL	7	10	0.0	5.0	50n%			40m†	1.0	-55	125	1	B0395	TO116	
55	SW945-1S	3,2	15M†	MON	1.8%	1.2*	DTL	7	12†	0.0	8.0	50n			40m	1.0	-55	125	1	B0395f	CN52	
56	SW945-1T	3,2	15M†	MON	1.8%	1.2*	DTL	6	12†	0.0	8.0	50n			40m	1.0	-55	125	1	B0395b	CN39	
57	SW945-2D	3,2	15M†	MON	1.8%	1.2*	DTL	7	12†	0.0	8.0	50n			40m	1.0	0	75	1	B0395	TO85	
58	SW945-2F	3,2	15M†	MON	1.8%	1.2*	DTL	7	12†	0.0	8.0	50n			40m	1.0	0	75	1	B0395	TO86	
59	SW945-2M	3,2	15M†	MON	1.8%	1.2*	DTL	7	12	0.0	5.0	50n%			40m†	1.0	0	75	1	B0395	M105n	
60	SW945-2P	3,2	15M†	MON	1.8%	1.2*	DTL	7	12	0.0	5.0	50n%			40m†	1.0	0	75	1	B0395	TO116	
61	SW945-2S	3,2	15M†	MON	1.8%	1.2*	DTL	7	12†	0.0	8.0	50n			40m	1.0	0	75	1	B0395f	CN52	
62	SW945-2T	3,2	15M†	MON	1.8%	1.2*	DTL	6	12†	0.0	8.0	50n			40m	1.0	0	75	1	B0395b	CN39	
63	SW948-1P	3,2	18M†	MON	1.8%	1.2*	DTL	7	9	0.0	5.0	40n%										

4. BINARY/FLIP-FLOPS

IN ORDER OF: (1)TYPE FLIP-FLOP (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF FLIP-FLOP	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN OUT		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS		
					LEVEL	TYPE	IN	OUT MAX.	NEG (V)	POS (V)	tr (s)		fall time (s)	LOW °C			HI °C	LOGIC DWG. No		OUTLINE DWG. No		
																					'1' (V)	'0' (V)
1	NB2019	3B	30M	MON	.82	.57	RTL	3	4†	2.7	3.3	13n	20n	30n	56m	540m	0	100	1	B0354	CN29	
2	NB2023	3B	30M	MON	.82	.57	RTL	4	4†	2.7	3.3	13n	11n	14n	28m	540m	0	100	1	B0355	CN29	
3	NB3019	3B	30M	MON	.82	.57	RTL	3	4†	2.7	3.3	13n	20n	30n	56m	540m	15	55	1	B0354	CN29	
4	NB3023	3B	30M	MON	.82	.57	RTL	4	4†	2.7	3.3	13n	11n	14n	28m	540m	15	55	1	B0355	CN29	
5	8202	3B	30M	PCB	-1.5	0.0	RTL	10	12	15	10	7.0n			4.6	500m	-20	55	1	B0375	CB30b	
6	402	3BC	300k	PCB	-6.8	0.0	DTL	2	2	12	12		200n	500n	1.3		0	55	1		CB24	
7	402#	3BC	300k	PCB	-6.8	0.0	DTL	2	2	12	12		200n	500n	1.3		0	55	1		CB24	
8	1026-0010	3F	1.2M	PCB	6.5	0.0	DTL	6	8	13	13						-55	55	4	B0342		
9	1039-0003	3F	2.0M	PCB	10.5	0.0	DTL	4Δ	8	13	13	40nΔ		95n			0	55	55		B0343	M26b
10	RD204	3F		MON	.25	.25	DTL	10Δ	10	0.0	5.0	8.0n			20m	1.2	-55	125	1	B0321	TO84	
11	RD204#1	3F		MON	.25	.25	DTL	10Δ	10	0.0	5.0	8.0n			20m	1.2	-55	125	1	B0321	CN14	
12	EM3001	3F	2.0M	3DM	0.0	6.0	DTL	6	8	6	12	15n	50n	70n	215m		-55	125	1	B03100	M62a	
13	EM3002	3F	2.0M	3DM	0.0	6.0	DTL	6	10	6	12	15n	50n	70n	200m		-55	125	1	B0395a	M62a	
14	UC703	3F	10M	PCB	0.0	6.0	DTL	3	12	12	12	20n	20n	20n	938m		-55	125	2	B0335	CB16	
15	EM2502	3F	250k	3DM	0.0	-6.0	DTL	6	10	12	6.0	180n	300n	1.0u	200m	2.0	-55	71	1	B0318	M62a	
16	UFF2M	3F	1.0M	3DM	0.0	-6.0	DTL	5	9	15	6	150nΔ	200n	200n	219m	1.5	0	50	1	B0326a	MP13	
17	UFF2Z	3F	1.0M	PCB	0.0	-6.0	DTL	5	9	15	6	150nΔ	200n	200n	850m	1.5	0	50	4	B0326	CB14	
18	EM2602	3F	2.0M	3DM	0.0	-6.0	DTL	6	10	12	6	40n	32n	70n	345m	2.0	-55	71	1	B0318	M62a	
19	8107	3F	1.0M	TFH	.50	.14	DTL	4	4	2	20	400n			240m		-55	125	1	B0314	M6	
20	RM202Q	3F		MON	1.0	1.8	DTL	6	20	0.0	10	32n			19m	550m	-55	125	1	B0324	FP46	
21	RM212Q	3F		MON	1.0	1.8	DTL	8Δ	20	0.0	10	32n			19m	550m	-55	125	1	B0325	FP46	
22	PL9945	3F		MON	2.0	1.0	DTL	5	7	0.0	5.0								1	B0395	TO86	
23	PL931	3F		MON	2.0	1.1	DTL	5	7	0.0	5.0								1	B0381	TO8	
24	PL945	3F		MON	2.0	1.1	DTL	5	7	0.0	5.0								1	B0395	TO86	
25	PL948	3F		MON	2.0	1.1	DTL	5	7	0.0	5.0								1	B0395a	TO86	
26	PL9931	3F		MON	2.0	1.1	DTL	5	7	0.0	5.0								1	B0381	TO86	
27	PL9948	3F		MON	2.0	1.1	DTL	5	7	0.0	5.0								1	B0395a	TO86	
28	RD208	3F		MON	4.5	.25†	DTL	10Δ	10	0	5.5	7.0n			20m	1.2	-55	125	1	B0321	TO84	
29	RD308	3F		MON	4.5	.25†	DTL	10Δ	10	0	5.5	7.0n			20m	1.2	-55	125	1	B0321	TO84	
30	RD508	3F		MON	4.5	.30†	DTL	10Δ	10	0	5.5	7.0n			20m	1.2	0	75	1	B0321	TO84	
31	FF130	3F	1.0M	PCB	6.0	0.0	DTL	5Δ	12	12	18	100n			1.3	1.5 *	-55	100	4	B03106	CB13a	
32	FA130	3F	1.0M	PCB	6.0	1.0	DTL	5	12	12	18				2.7	1.5 *	-55	100	4	B03107	CB13a	
33	MS16	3F	1.0M	PCB	6.2	0.0	DTL	12	8	18	18	40n	100n	100n	2.4	2.5 *	-30	100	1	B0351	CB25	
34	FC19	3F	300k	PCB	8.0	0.0	DTL	15	6	25	25	110n%	70n	40n	2.5	3.9	-55	100	6	B0393	CB34	
35	FH19	3F	1.0M	PCB	8.0	0.0	DTL	10	12	25	25	60n%	35n	25n	4.5	3.9	-55	100	6	B0393	CB34	
36	FL19	3F	8.0M	PCB	8.0	0.0	DTL	10	14	25	25	35n%	20n	15n	4.6	3.5	-55	100	6	B0393	CB34	
37	FA20	3F	200k	PCB	6.0	0.0	DTL	6	12	18	12	1.2uΔ	500n†	800n†	1.6	1.5 *	-20	55	4	B03109	CB13a	
38	FF20	3F	200k	PCB	-6.0	0.0	DTL	5Δ	6	18	12	1.2uΔ	500n†	800n†	600m	1.5 *	-20	55	4	B03108	CB13a	
39	FA30	3F	1.0M	PCB	-6.0	0.0	DTL	6	12	18	12	250nΔ	100n†	150n†	2.7	1.5 *	-20	55	4	B03109	CB13a	
40	FF30	3F	1.0M	PCB	-6.0	0.0	DTL	5Δ	6	18	12	250nΔ	100n†	150n†	1.3	1.5 *	-20	55	4	B03108	CB13a	
41	FA35	3F	5.0M	PCB	-6.0	0.0	DTL	6	8	18	12	50nΔ	25n†	50n†	3.5	1.5 *	-20	55	4	B03109	CB13a	
42	FF35	3F	5.0M	PCB	-6.0	0.0	DTL	5Δ	4	18	12	50nΔ	25n†	50n†	1.8	1.5 *	-20	55	4	B03108	CB13a	
43	MC02	3F	1.0M	PCB	-6.2	0.0	DTL	5	2	18	18	40n	100n	100n	1.3	2.5 *	0	55	4		CB25	
44	MC03	3F	1.0M	PCB	-6.2	0.0	DTL	21	2	18	18	50n	100n	100n	1.8	2.5 *	0	55	4		CB25	
45	MC07	3F	1.0M	PCB	-6.2	0.0	DTL	7	2	18	18	40n	100n	100n	1.7	2.5 *	0	55	4		CB25	
46	MC16	3F	1.0M	PCB	-6.2	0.0	DTL	6	2	18	18	50n	106n	100n	2.4	2.5 *	0	55	4	B0351	CB25	
47	407	3F	300k	PCB	-6.8	0.0	DTL	10	10	12	12				2.0		0	55	1		CB24	
48	416	3F	300k	PCB	-6.8	0.0	DTL	20	10	12	12				1.4		0	55	1		CB24	
49	FF14	3F	200k	PCB	-1.1	0.0	DTL	8	12	12	6.0	250n			830m		-10	55	4	B0376	CB33	
50	FF16	3F	200k	PCB	-1.1	0.0	DTL	5	12	12	6.0	250n			1.0		-10	55	6	B0377	CB33	
51	US0102A	3F	200k	PCB	-1.1	0.0	DTL	5	12	12	6.0	250n			1.0		-10	55	6	B0377	CB33	
52	FF24	3F	2.0M	PCB	-1.1	0.0	DTL	8	12	12	6	60n			670m		-10	55	4	B0376	CB33	
53	FF26	3F	2.0M	PCB	-1.1	0.0	DTL	5	12	12	6	60n			830m		-10	55	6	B0377	CB33	
54	FF32	3F	8.0M	PCB	-1.1	0.0	DTL	8	12	12	6	20n			1.7		-10	55	2	B0376a	CB33	
55	FF34	3F	8.0M	PCB	-1.1	0.0	DTL	5	12	12	6	20n			3.3		-10	55	4	B0377a	CB33	
56	MC352AF	3F	60M	MON	-7.5	-1.6	ECT	5Δ	15	5.2	0	11n	8.0n	8.0n	42m		0	75	1		TO91	
57	MC352AG	3F	60M	MON	-7.5	-1.6	ECT	5Δ	15	5.2	0	11n	8.0n	8.0n	42m		0	75	1		CN9	
58	TF200	3F	1.0M	PCB	-10	0.0	RCT	6Δ	6	6.0	12	30n	200n	150n	1.4		-55	100	4	B0330	CB15	
59	NB1020	3F	20M	MON	.82	.57	RTL	4	4	2.7	3.3	20n	20n	20n	27m	540m	-55	125	1	B0394	CN29	
60	NB2020	3F	20M	MON	.82	.57	RTL	4	4	2.7	3.3	20n	20n	20n	27m	540m	0	100	1	B0394	CN29	
61	NB3020	3F	20M	MON	.82	.57	RTL	4	4	2.7	3.3	20n	20n	20n	27m	540m	15	55	1	B0394	CN29	
62	NB1018	3F	30M	MON	.82	.57	RTL	4	4†	2.7	3.3	40n	40n	40n	43m		-55	125	1	B0353	CN29	
63	NB2018	3F	30M	MON	.82	.57	RTL	4	4†	2.7	3.3	40n	40n	40n	43m		0	100	1	B0353	CN29	
64	NB3018	3F	30M	MON	.82	.57	RTL	4	4†	2.7	3.3	40n	40n	40n	43m		15	55	1	B0353	CN29	
65	SN54L71R	3F	3M	MON	2.0%	.70*	TTL	9	20	0	8	48n%			3.8m†	1.0 Δ	-55	125	1	B03117	TO84	
66	SN74L71R	3F	3M	MON	2.0%	.70*	TTL	9	20	0	8	48n%			3.8m†	1.0 Δ	0	70	1	B03117	TO84	
67	SWF10	3F	20M	MON	3.5	.26	TTL	6	15	0.0	6.0	24n	5.0n	8.0n	30m	1.0	-55	125	1	B0388	TO86	
68	SWF11	3F	20M	MON	3.5	.26	TTL	6	7	0.0	6.0	24n	5.0n	8.0n	30m	1.0	-55	125	1	B0388	TO86	
69	SWF12	3F	20M	MON	3.5	.26	TTL	6	12	0.0	6.0	24n	5.0n	8.0n	30m	1.0	0	75	1	B0388	TO86	
70	SWF13	3F	20M	MON	3.5	.26	TTL	6	6	0.0	6.0	24n	5.0n	8.0n	30m	1.0	0	75	1	B0388	TO86	
71	T102A	4	250k	PCB	-3.0	-1.11		3			12	12					-45	65	1	B04134	M16	
72	MFF21.62	4	50k	PCB	-6.0	0.0					12	12					0	50	4		CB26	
73	MEM529	4	1.0M	MON	-9.0	0.0																

4. BINARY/FLIP-FLOPS

IN ORDER OF: (1)TYPE FLIP-FLOP (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL	LINE No.	TYPE No.	TYPE OF FLIP-FLOP	MAX OPER. FREQ. (Hz)	PROCESS	LOGIC LEVEL			FAN IN	OUT MAX.	POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME (s)		FALL TIME (s)	TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
						1	0	2			NEG (V)	POS (V)		tr	tf				LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No
						3	4	5			1	2		3	4				5	6		7	8
	1	9111DC	4		MON	2.6%	.40**	DTL	10	11	0.0	5.0							0	75	1	B04136	TO116
	2	9111FC	4		MON	2.6%	.40**	DTL	10	11	0.0	5.0							0	75	1	B04136	FP28
	3	9950.1	4		MON	2.6%	.4**	DTL	6	20	0.0	8.0				28m		-55	125	1	B0492	M54a	
	4	D950.1R	4	20MΔ	MON	2.6%	.40**	DTL	6	20	0.0	8.0				28m†		-55	125	1	B0492	TO86	
	5	D950.1U	4	20MΔ	MON	2.6%	.40**	DTL	6	20	0.0	8.0				30m†	1.0	-55	125	1	B0466	TO116	
	6	MIC950	4	30M†	MON	2.61%	.40**	DTL	10	10	0.0	5.0	20n%			28m		0	75	1	B0492	TO116	
	7	9950.9	4	20MΔ	MON	2.8%	.45**	DTL	6	20	0.0	8.0				28m		0	75	1	B0492	TO86	
	8	D950.9R	4	20MΔ	MON	2.8%	.45**	DTL	6	20	0.0	8.0				28m†		0	75	1	B0492	M54a	
	9	D950.9U	4	20MΔ	MON	2.8%	.45**	DTL	6	20	0.0	8.0				28m†		0	75	1	B0492	TO86	
	10	43B4	4	10MΔ	MON	2.8%	.61**	DTL	5	8	8	8				20m		-55	125	1	B04101a	TO100	
	11	43B4P1	4	10MΔ	MON	2.8%	.61**	DTL	5	8	8	8				20m		-55	125	1	B04101b	TO86	
	12	43B4P2	4	10MΔ	MON	2.8%	.61**	DTL	5	8	8	8				20m		-55	125	1	B04101b	TO88	
	13	43B4P	4	10MΔ	MON	2.8%	.61**	DTL	5	8	8	8				20m		-55	125	1	B04101a	TO91	
	14	77B4P1	4	10MΔ	MON	2.8%	.61**	DTL	6	8	8	8				20m		-55	125	1	B04101c	TO86	
	15	77B4P2	4	10MΔ	MON	2.8%	.61**	DTL	6	8	8	8				20m		-55	125	1	B04101c	TO88	
	16	78B4	4	10MΔ	MON	2.8%	.61**	DTL	5	8	8	8				20m		-55	125	1	B04101d	TO100	
	17	78B4P	4	10MΔ	MON	2.8%	.61**	DTL	5	8	8	8				20m		-55	125	1	B04101d	TO91	
	18	1264B	4	25M%Δ	MON	3.0	0.0	DTL	5	8	8.0	8.0				100m		-55	125	1	B04109	FP19	
	19	2264B	4	25M%Δ	MON	3.0	0.0	DTL	5	8	8.0	8.0				100m		-55	125	1	B04109	CN41	
	20	CS729J	4	18M†	MON	3.1%	.35**	DTL	6	7	8	8		75n		30m	1.0 Δ	-55	125	1	B0419e	TO88	
	21	US729J	4	18M†	MON	3.1%	.35**	DTL	6	7	8	8				30m		-55	125	1	B0419e	TO88	
	22	PD9945-51	4		MON	3.1%	.40**	DTL	7	10	0.0	8.0	75nΔ			130m	1.0	-55	125	1	B0395	TO116	
	23	PL9945-51	4		MON	3.1%	.40**	DTL	7	10	0.0	8.0	75nΔ			130m	1.0	-55	125	1	B0395	TO86	
	24	PD9945-59	4		MON	3.1%	.45**	DTL	7	12	0.0	8.0	80nΔ			140m	1.0	0	75	1	B0395	TO116	
	25	PL9945-59	4		MON	3.1%	.45**	DTL	7	12	0.0	8.0	80nΔ			140m	1.0	0	75	1	B0395	TO86	
	26	PM9945-59	4		MON	3.1%	.45**	DTL	7	12	0.0	8.0	80nΔ			140m	1.0	0	75	1	B0395	TO116	
	27	RD221	4	20M	MON	3.3	.40†	DTL	3	8	0	5.5	18n			24m	1.2	-55	125	2	B04124	TO84	
	28	RD321	4	20M	MON	3.3	.40†	DTL	3	8	0	5.5	18n			24m	1.2	-55	125	2	B04124	TO84	
	29	SFC324	4	10M	MON	3.5%	.45*	DTL	5	9	0	8	60n			30m	650m	0	80	1	B04121	ZB163	
	30	NE8424A	4	8M†	MON	3.6%	.35**	DTL	4	0	0	6		75n		44m	1.4	0	75	2	B04125	TO116	
	31	NE8424J	4	8M†	MON	3.6%	.35**	DTL	4	0	0	6		75n		44m	1.4	0	75	2	B04125	TO88	
	32	SE8424A	4	8M†	MON	3.6%	.35**	DTL	4	0	0	6		75n		44m	1.4	-55	125	2	B04125	TO116	
	33	SE8424J	4	8M†	MON	3.6%	.35**	DTL	4	0	0	6		75n		44m	1.4	-55	125	2	B04125	TO88	
	34	FFJ101A2	4	10M	MON	3.9%	.4**	DTL	5	7	8	8	20n	75n		33m	1.0	0	75	1	B04101	CN49	
	35	FFJ101C1	4	10M	MON	3.9%	.4**	DTL	5	7	8	8	20n	75n		33m	1.0	0	75	1	B04101	TO91	
	36	FFJ102A2	4	10M	MON	3.9%	.4**	DTL	5	7	8	8				33m	1.0	-55	125	1	B04101	TO74	
	37	FFJ102C1	4	10M	MON	3.9%	.4**	DTL	5	8	8	8				33m	1.0	-55	125	1	B04101	TO91	
	38	CS704G	4	18M†	MON	3.9%	.4**	DTL	5	8	8	8				150m	1.0 Δ	-55	125	1	B0449a	ZB105	
	39	CS704K	4	18M†	MON	3.9%	.4**	DTL	5	8	8	8				150m	1.0 Δ	-55	125	1	B0449a	CN17	
	40	NE124A	4	18M†	MON	3.9%	.45**	DTL	5	7	0	6.2	145nΔ	15n	15n	28m†	1.0 Δ	0	70	1	B0419f	TO116	
	41	NE124G	4	18M†	MON	3.9%	.45**	DTL	5	7	0	6	145nΔ			250m	1.0 Δ	0	70	1	B0419a	TO91	
	42	NE124J	4	18M†	MON	3.9%	.45**	DTL	5	7	0	6.2	145nΔ			28m†	1.0 Δ	0	70	1	B0419d	TO88	
	43	NE124K	4	18M†	MON	3.9%	.45**	DTL	5	7	0	6		15n	15n	250m	1.0 Δ	0	70	1	B0419a	CN17	
	44	SE124G	4	18M†	MON	3.9%	.45**	DTL	5	8	8	8		15n	15n	250m	1.0 Δ	-55	125	1	B0419d	TO91	
	45	SE124J	4	18M†	MON	3.9%	.45**	DTL	5	7	8	8		15n	15n	250m	1.0 Δ	-55	125	1	B0419d	TO88	
	46	SE124K	4	18M†	MON	3.9%	.45**	DTL	5	8	8	8		15n	15n	250m	1.0 Δ	-55	125	1	B0419d	CN17	
	47	FT56	4	10M	PCB	4.0	0.0	DTL	3	14	0	8	70n	5.0n	5.0n	3.7	1.5	5	71	12		CB37a	
	48	MC209F	4	10M	MON	4.0	.30	DTL	5	8	2	4				16m		-55	125	1	B04101	TO91	
	49	MC209G	4	10M	MON	4.0	.30	DTL	5	8	2	4				16m		-55	125	1	B04101	CN8	
	50	MC259F	4	10M	MON	4.0	.30	DTL	5	8	4	4				16m	500m	0	75	1	B04101	TO91	
	51	MC259G	4	10M	MON	4.0	.30	DTL	5	8	4	4				16m	500m	0	75	1	B04101	CN8	
	52	MC260F	4	10M	MON	4.0	.30	DTL	6	8	4	4				16m	500m	0	75	1	B038d	TO91	
	53	MC260G	4	10M	MON	4.0	.30	DTL	6	8	4	4				16m	500m	0	75	1	B038d	CN8	
	54	PD9948-51	4		MON	4.0%	.40**	DTL	7	9	0.0	8.0	65nΔ			130m	1.0	-55	125	1	B02103a	TO116	
	55	PL9948-51	4		MON	4.0%	.40**	DTL	7	9	0.0	8.0	65nΔ			130m	1.0	-55	125	1	B02103a	TO86	
	56	PD9948-59	4		MON	4.3%	.45**	DTL	7	11	0.0	8.0	70nΔ			140m	1.0	0	75	1	B02103a	TO116	
	57	PL9948-59	4		MON	4.3%	.45**	DTL	7	11	0.0	8.0	70nΔ			140m	1.0	0	75	1	B02103a	TO86	
	58	PM9948-59	4		MON	4.3%	.45**	DTL	7	11	0.0	8.0	70nΔ			140m	1.0	0	75	1	B02103a	TO116	
	59	UC1002B	4		TFH	6.0	0.0	DTL	4	5	8	15	14n	90n†	10n†	65m	500m	-55	125	1	B0478	M55	
	60	FA335	4	5.0M	MOH	6.3*	1.1*	DTL	4	2	0	6.3				400m		0	55	4	B0465	CB13	
	61	CT633-2	4	250K	PCB	-3.0	-1.1	DTL	7	9	12	0.0	400n	1.0u		120m	1.5	-45	65	2		CB16	
	62	CT643-2	4	250K	PCB	-3.0	-1.1	DTL	5	12	12	0.0	400n	1.0u		450m	1.5	-45	65	2		CB16	
	63	T157	4	250K	3DM	-3.0	-1.1	DTL	4	12	12	0.0	400n	1.0u	2.0u	108m	1.5	-45	65	1	B0427	M17	
	64	T633	4	250K	3DM	-3.0	-1.1	DTL	7	12	12	0.0	400n	1.0u		60m	1.5	-45	65	1	B0428	M17	
	65	T643	4	250K	3DM	-3.0	-1.1	DTL	5	12	12	0.0	400n	1.0u		450m	1.5	-45	65	1	B0430	M17	
	66	T644	4	250K	3DM	-3.0	-1.1	DTL	5	12	12	0.0	400n	1.0u		325m	1.5	-45	65	1	B0430	M17	
	67	FF402	4	5.0M	3DM	0.0	-6.0	RCT	3	3	12	12	30n	50n	150n	370m		-25	60	1	B045	M2	
	68	SN5101B	4		MON	.30*	2.0%	RCT	5	4	0	8	300nΔ	170n	1.9u	12m†	200m	-55	125	1	B04133	FP22	
	69	SNR5101	4		MON	.30*	2.0%	RCT	5	4	0	8	300nΔ	170n	1.9u	12m†	200m	-55	125	1	B04133	FP22	
	70	US0110	4		MON	.30*	2.0†	RCT	5	4	0.0	8.0	225n	2.0n	8.0m			-55	125	1	B0472a	TO85	
	71	SN5101	4		MON	.30	2.3	RCT	5	4	0.0	8.0	300n	500n	2.5u	8.0m	200m	-55	125				

4. BINARY/FLIP-FLOPS

IN ORDER OF: (1)TYPE FLIP-FLOP (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PRO-CESSES	LOGIC			FAN IN		POWER SUPPLY SPAN		PROPA-GATION DELAY (s)	MAX. RISE TIME tr (s)		MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. °C		CKT PER MOD	DRAWINGS		
					3 LEVEL	4 TYPE	2	IN	OUT MAX.	NEG (V)	POS (V)		LOW	HI				LOGIC DWG. No	OUTLINE DWG. No Δ=MO				
																					'1' (V)	'0' (V)	
1	SWF32F	4	12	MON	1.7%	1.2*	TTL	6	12	0.0	7.0	30m			30m		0	75	1	B0442	TO86		
2	SWF32S	4	12	MON	1.7%	1.2*	TTL	6	12	0.0	7.0	20n			30m		0	75	1	B0442	CN52		
3	SWF33F	4	12	MON	1.7%	1.2*	TTL	6	6	0.0	7.0	30m			30m		0	75	1	B0442	TO86		
4	SWF33S	4	12	MON	1.7%	1.2*	TTL	6	6	0.0	7.0	20n			30m		0	75	1	B0442	CN52		
5	SWF30F	4	12M	MON	1.7%	1.2*	TTL	6	15	0.0	8.0	20n			30m		-55	125	1	B0442	TO86		
6	SWF30S	4	12M	MON	1.7%	1.2*	TTL	6	15	0.0	8.0	20n			30m		-55	125	1	B0442	CN52		
7	SWF31F	4	12M	MON	1.7%	1.2*	TTL	6	7	0.0	8.0	20n			30m		-55	125	1	B0442	TO86		
8	USN7474A	4	15M∅	MON	2.0%	.80*	TTL	4	10	0	7	50nΔ			20m	1.0 Δ	0	70	2	B04138a	TO116		
9	USN7474J	4	15M∅	MON	2.0%	.80*	TTL	4	10	0	7	50nΔ			20m	1.0 Δ	0	70	2	B04138a	TO88		
10	USS5474J	4	15M∅	MON	2.0%	.80*	TTL	4	10	0	7	50nΔ			20m	1.0 Δ	-55	125	2	B04138	TO116		
11	USS5474J	4	15M∅	MON	2.0%	.80*	TTL	4	10	0	7	50nΔ			20m	1.0 Δ	-55	125	2	B04138	TO88		
12	512BH	4		MON	2.7	.20	TTL	4	10	0	5.5				3.0m		-55	125					
13	SP424A	4		MON	3.2%	.35*†	TTL	4	7	0	6			100n	44m	1.5	15	55	2	B04125	TO116		
14	ST424A	4		MON	3.2%	.35*†	TTL	4	7	0	6			100n	44m	1.5	0	70	2	B04125	TO116		
15	NE424A	4		MON	3.2%	.35†	TTL	4	141	0	6			75n	28m	1.0 Δ	0	70	2	B04125	M105b		
16	NE424J	4	9.0M†	MON	3.2%	.35†	TTL	4	71	0	6			75n	28m	1.0 Δ	0	70	2	B04125	TO88		
17	SE424J	4	9.0M%	MON	3.2%	.35†	TTL	4	71	0	6			75n	28m	1.0 Δ	-55	125	2	B04125	TO88		
18	6F30G	4	10M	MON	3.3	.26	TTL	6	151	0	5			8.0n	30m	900m	-55	125	1	B0442	TO84		
19	6F30K	4	10M	MON	3.3	.26	TTL	6	151	0	5			8.0n	30m	900m	-55	125	1	B0442	TO116		
20	6F31G	4	10M	MON	3.3	.26	TTL	6	151	0	5			8.0n	30m	900m	-55	125	1	B0442	TO84		
21	6F31K	4	10M	MON	3.3	.26	TTL	6	151	0	5			8.0n	30m	900m	-55	125	1	B0442	TO116		
22	6F32D	4	10M	MON	3.3	.26	TTL	6	121	0	5			8.0n	30m	900m	0	75	1	B0442	TO116		
23	6F32G	4	10M	MON	3.3	.26	TTL	6	121	0	5			8.0n	30m	900m	0	75	1	B0442	TO84		
24	6F33D	4	10M	MON	3.3	.26	TTL	6	61	0	5			8.0n	30m	900m	0	75	1	B0442	TO116		
25	6F33G	4	10M	MON	3.3	.26	TTL	6	61	0	5			8.0n	30m	900m	0	75	1	B0442	TO84		
26	SF30	4	10M	MON	3.3	.26	TTL	6	151	0	5			8.0n	30m	900m	-55	125	1	B0442	ZB100		
27	SF31	4	10M	MON	3.3	.26	TTL	6	151	0	5			8.0n	30m	900m	-55	125	1	B0442	ZB100		
28	SF32	4	10M	MON	3.3	.26	TTL	6	121	0	5			8.0n	30m	900m	0	75	1	B0442	ZB100		
29	SF33	4	10M	MON	3.3	.26	TTL	6	61	0	5			8.0n	30m	900m	0	75	1	B0442	ZB100		
30	SNF30J	4	10M	MON	3.3	.26	TTL	6	151	0	5			8.0n	30m	900m	-55	125	1	B0442	M157b		
31	SNF30W	4	10M	MON	3.3	.26	TTL	6	151	0	5			8.0n	30m	900m	-55	125	1	B0442	Δ004AF		
32	SNF31J	4	10M	MON	3.3	.26	TTL	6	71	0	5			8.0n	30m	900m	-55	125	1	B0442	M157b		
33	SNF31W	4	10M	MON	3.3	.26	TTL	6	71	0	5			8.0n	30m	900m	-55	125	1	B0442	Δ004AF		
34	SNF32J	4	10M	MON	3.3	.26	TTL	6	121	0	5			8.0n	30m	900m	-55	125	1	B0442	M157b		
35	SNF32W	4	10M	MON	3.3	.26	TTL	6	121	0	5			8.0n	30m	900m	0	75	1	B0442	Δ004AF		
36	SNF33J	4	10M	MON	3.3	.26	TTL	6	61	0	5			8.0n	30m	900m	0	75	1	B0442	M157b		
37	SNF33W	4	10M	MON	3.3	.26	TTL	6	61	0	5			8.0n	30m	900m	0	75	1	B0442	Δ004AF		
38	6F20G	4	20M	MON	3.3	.26	TTL	9	15	0	5			20n	5.0n	8.0n	40m	900m	-55	125	1	B0441	TO84
39	6F20K	4	20M	MON	3.3	.26	TTL	9	15	0	5			20n	5.0n	8.0n	40m	900m	-55	125	1	B0441	TO116
40	6F21G	4	20M	MON	3.3	.26	TTL	9	7	0	5			20n	5.0n	8.0n	40m	900m	-55	125	1	B0441	TO84
41	6F21K	4	20M	MON	3.3	.26	TTL	9	7	0	5			20n	5.0n	8.0n	40m	900m	-55	125	1	B0441	TO116
42	6F22D	4	20M	MON	3.3	.26	TTL	9	12	0	5			20n	5.0n	8.0n	40m	900m	0	75	1	B0441	TO116
43	6F22G	4	20M	MON	3.3	.26	TTL	9	12	0	5			20n	5.0n	8.0n	40m	900m	0	75	1	B0441	TO84
44	6F23D	4	20M	MON	3.3	.26	TTL	9	6	0	5			20n	5.0n	8.0n	40m	900m	0	75	1	B0441	TO116
45	6F23G	4	20M	MON	3.3	.26	TTL	9	6	0	5			20n	5.0n	8.0n	40m	900m	0	75	1	B0441	TO84
46	SF20#1	4	20M	MON	3.3	.26	TTL	9	15	0	5			20n	5.0n	8.0n	40m	900m	-55	125	1	B0441	FP18
47	SF20#2	4	20M	MON	3.3	.26	TTL	9	15	0	5			20n	5.0n	8.0n	40m	900m	-55	125	1	B0441	M75
48	SF21#1	4	20M	MON	3.3	.26	TTL	9	7	0	5			20n	5.0n	8.0n	40m	900m	-55	125	1	B0441	FP18
49	SF21#2	4	20M	MON	3.3	.26	TTL	9	7	0	5			20n	5.0n	8.0n	40m	900m	-55	125	1	B0441	M75
50	SF22#1	4	20M	MON	3.3	.26	TTL	9	12	0	5			20n	5.0n	8.0n	40m	900m	0	75	1	B0441	FP18
51	SF22#2	4	20M	MON	3.3	.26	TTL	9	12	0	5			20n	5.0n	8.0n	40m	900m	0	75	1	B0441	M75
52	SF23#1	4	20M	MON	3.3	.26	TTL	9	6	0	5			20n	5.0n	8.0n	40m	900m	0	75	1	B0441	FP18
53	SF23#2	4	20M	MON	3.3	.26	TTL	9	6	0	5			20n	5.0n	8.0n	40m	900m	0	75	1	B0441	M75
54	RF30K	4	15M†	MON	3.4	.20	TTL	4	15	0	5			30m†	1.1	-55	125	1	B0442	FP21b			
55	RF30P	4	15M†	MON	3.4	.20	TTL	4	15	0	5			30m†	1.1	-55	125	1			M105k		
56	RF31K	4	15M†	MON	3.4	.20	TTL	4	7	0	5			30m†	1.1	-55	125	1	B0442	FP21b			
57	RF31P	4	15M†	MON	3.4	.20	TTL	4	7	0	5			30m†	1.1	-55	125	1			M105k		
58	RF32K	4	15M†	MON	3.4	.20	TTL	4	12	0	5			30m†	1.1	0	75	1	B0442	FP21b			
59	RF32P	4	15M†	MON	3.4	.20	TTL	4	12	0	5			30m†	1.1	0	75	1			M105k		
60	RF33K	4	15M†	MON	3.4	.20	TTL	4	6	0	5			30m†	1.1	0	75	1	B0442	FP21b			
61	RF33P	4	15M†	MON	3.4	.20	TTL	4	6	0	5			30m†	1.1	0	75	1			M105k		
62	RF20P	4	20M†	MON	3.4	.20	TTL	9	15	0	5			30m†	1.1	-55	125	1	B0441	M105m			
63	RF20K	4	20M†	MON	3.4	.20	TTL	9	15	0	5			30m†	1.1	-55	125	1	B0441	FP21b			
64	RF20P	4	20M†	MON	3.4	.20	TTL	9	15	0	5			30m†	1.1	-55	125	1			M105k		
65	RF21D	4	20M†	MON	3.4	.20	TTL	9	7	0	5			30m†	1.1	-55	125	1	B0441	M105m			
66	RF21K	4	20M†	MON	3.4	.20	TTL	9	7	0	5			30m†	1.1	-55	125	1	B0441	FP21b			
67	RF21P	4	20M†	MON	3.4	.20	TTL	9	7	0	5			30m†	1.1	-55	125	1			M105k		
68	RF22D	4	20M†	MON	3.4	.20	TTL	9	12	0	5			30m†	1.1	0	75	1	B0441	M105m			
69	RF22K	4	20M†	MON	3.4	.20	TTL	9	12	0	5			30m†	1.1	0	75	1	B0441	FP21b			
70	RF22P	4	20M†	MON	3.4	.20	TTL	9	12	0	5			30m†	1.1	0	75	1			M105k		
71	RF23D	4	20M†	MON	3.4	.20	TTL	9	6	0	5			30m†	1.1	0	75	1	B0441	M105m			
72	RF23K	4	20M†	MON	3.4	.20	TTL	9	6	0	5			30m†	1.1	0	75	1	B0441	FP21b			
73	RF23P	4	20M†	MON	3.4	.20	TTL	9	6	0	5			30m†	1.1	0	75	1			M105k		
74	RF50P	4	20M†	MON	3.4	.20	TTL	6	15	0	5			50m†	1.1</								

4. BINARY/FLIP-FLOPS

IN ORDER OF: (1)TYPE FLIP-FLOP (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	1 OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPAGA-TION DELAY (s)	MAX. RISE TIME		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					LEVEL		TYPE	IN	OUT MAX.	NEG (V)	POS (V)		Rise tr (s)	FALL TIME tf (s)			LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=Mo
					3 '1' (V)	4 '0' (V)															
1	DBFF1016	4F		PCM	6.0%	1.0*	CTL	12	10	6.0	12	62nΔ	55n	33n					1	B0450	M52
2	DCFF1016	4F		PCM	6.0%	1.0*	CTL	12	10	6.0	12	62nΔ	55n	33n					1	B0450	CB29
3	DBFF1016ZA	4F	1.0M		6.0	1.0†	CTL	12	10	6.0	12	62n	55n	33n	350m	0	50	1	B0450	M52	
4	DBFF1016ZAN	4F	1.0M		6.0	1.0†	CTL	12	10	6.0	12	62n	55n	33n	350m	0	50	1	B0450	MP52a	
5	DBFF1016ZB	4F	1.0M		6.0	1.0†	CTL	12	10	6.0	12	62n	55n	33n	350m	-20	75	1	B0450	M52	
6	DBFF1016ZBN	4F	1.0M		6.0	1.0†	CTL	12	10	6.0	12	62n	55n	33n	350m	-20	75	1	B0450	MP52a	
7	DBFF1016ZC	4F	1.0M		6.0	1.0†	CTL	12	10	6.0	12	62n	55n	33n	350m	-40	100	1	B0450	M52	
8	DBFF1016ZCN	4F	1.0M		6.0	1.0†	CTL	12	10	6.0	12	62n	55n	33n	350m	-40	100	1	B0450	MP52a	
9	DBFF1016ZD	4F	1.0M		6.0	1.0†	CTL	12	10	6.0	12	62n	55n	33n	350m	-55	125	1	B0450	M52	
10	DBFF1016ZDN	4F	1.0M		6.0	1.0†	CTL	12	10	6.0	12	62n	55n	33n	350m	-55	125	1	B0450	MP52a	
11	DCFF1016ZA	4F	1.0M		6.0	1.0†	CTL	12	10	6.0	12	62n	55n	33n	350m	0	50	1	B0450	CB29	
12	DCFF1016ZB	4F	1.0M		6.0	1.0†	CTL	12	10	6.0	12	62n	55n	33n	350m	-20	75	1	B0450	CB29	
13	DCFF1016ZC	4F	1.0M		6.0	1.0†	CTL	12	10	6.0	12	62n	55n	33n	350m	-40	100	1	B0450	CB29	
14	DCFF1016ZD	4F	1.0M		6.0	1.0†	CTL	12	10	6.0	12	62n	55n	33n	350m	-55	125	1	B0450	CB29	
15	DBFF1016YA	4F	5.0M		6.0	1.0†	CTL	12	10	6.0	12	62n	55n	33n	350m	0	50	1	B0450	M52	
16	DBFF1016YAN	4F	5.0M		6.0	1.0†	CTL	12	10	6.0	12	62n	55n	33n	350m	0	50	1	B0450	MP52a	
17	DBFF1016YB	4F	5.0M		6.0	1.0†	CTL	12	10	6.0	12	62n	55n	33n	350m	-20	75	1	B0450	M52	
18	DBFF1016YBN	4F	5.0M		6.0	1.0†	CTL	12	10	6.0	12	62n	55n	33n	350m	-20	75	1	B0450	MP52a	
19	DBFF1016YC	4F	5.0M		6.0	1.0†	CTL	12	10	6.0	12	62n	55n	33n	350m	-40	100	1	B0450	M52	
20	DBFF1016YCN	4F	5.0M		6.0	1.0†	CTL	12	10	6.0	12	62n	55n	33n	350m	-40	100	1	B0450	MP52a	
21	DBFF1016YD	4F	5.0M		6.0	1.0†	CTL	12	10	6.0	12	62n	55n	33n	350m	-55	125	1	B0450	M52	
22	DBFF1016YDN	4F	5.0M		6.0	1.0†	CTL	12	10	6.0	12	62n	55n	33n	350m	-55	125	1	B0450	MP52a	
23	DCFF1016YA	4F	5.0M		6.0	1.0†	CTL	12	10	6.0	12	62n	55n	33n	350m	0	50	1	B0450	CB29	
24	DCFF1016YB	4F	5.0M		6.0	1.0†	CTL	12	10	6.0	12	62n	55n	33n	350m	-20	75	1	B0450	CB29	
25	DCFF1016YC	4F	5.0M		6.0	1.0†	CTL	12	10	6.0	12	62n	55n	33n	350m	-40	100	1	B0450	CB29	
26	DCFF1016YD	4F	5.0M		6.0	1.0†	CTL	12	10	6.0	12	62n	55n	33n	350m	-55	125	1	B0450	CB29	
27	DBFF1016XA	4F	10M		6.0	1.0†	CTL	12	10	6.0	12	62n	55n	33n	350m	0	50	1	B0450	M52	
28	DBFF1016XAN	4F	10M		6.0	1.0†	CTL	12	10	6.0	12	62n	55n	33n	350m	0	50	1	B0450	MP52a	
29	DBFF1016XB	4F	10M		6.0	1.0†	CTL	12	10	6.0	12	62n	55n	33n	350m	-20	75	1	B0450	M52	
30	DBFF1016XBN	4F	10M		6.0	1.0†	CTL	12	10	6.0	12	62n	55n	33n	350m	-20	75	1	B0450	MP52a	
31	DBFF1016XC	4F	10M		6.0	1.0†	CTL	12	10	6.0	12	62n	55n	33n	350m	-40	100	1	B0450	M52	
32	DBFF1016XCN	4F	10M		6.0	1.0†	CTL	12	10	6.0	12	62n	55n	33n	350m	-40	100	1	B0450	MP52a	
33	DBFF1016XD	4F	10M		6.0	1.0†	CTL	12	10	6.0	12	62n	55n	33n	350m	-55	125	1	B0450	M52	
34	DBFF1016XDN	4F	10M		6.0	1.0†	CTL	12	10	6.0	12	62n	55n	33n	350m	-55	125	1	B0450	MP52a	
35	DCFF1016XA	4F	10M		6.0	1.0†	CTL	12	10	6.0	12	62n	55n	33n	350m	0	50	1	B0450	CB29	
36	DCFF1016XB	4F	10M		6.0	1.0†	CTL	12	10	6.0	12	62n	55n	33n	350m	-20	75	1	B0450	CB29	
37	DCFF1016XC	4F	10M		6.0	1.0†	CTL	12	10	6.0	12	62n	55n	33n	350m	-40	100	1	B0450	CB29	
38	DCFF1016XD	4F	10M		6.0	1.0†	CTL	12	10	6.0	12	62n	55n	33n	350m	-55	125	1	B0450	CB29	
39	UC503	4F	1.0M	PCB	0.0	6.0	DTL		3	12	12		200n	100n	586m	-55	125	2	B0431	CB16	
40	EM5002	4F	100k	3DM	0.0	-5.0	DTL	4	10	6.0	6.0	250n	380n	2.2u	60m	2.0	-55	70	1	B0476	M62a
41	EM2501	4F	250k	3DM	0.0	-6.0	DTL	6	10	12	6.0	180n	300n	1.0u	200m	2.0	-55	71	2	B0475	M62a
42	EM2601	4F	2.0M	3DM	0.0	-6.0	DTL	6	10	12	6.0	40n	32n	70n	350m	2.0	-55	71	1	B0475	M62a
43	8200	4F	50M	TFH	.50	3.0	DTL	10	4	0	6	10n	20n	10n	170m		-55	125	1	B0415	M7
44	8200A	4F	50M	TFH	.50	3.0	DTL	4	4	0	6	10n	20n	10n	170m		-55	125	1	B0415	M7
45	8200B	4F	50M	TFH	.50	3.0	DTL	6	4	0	6	10n	20n	10n	170m		-55	125	1	B0415b	M7
46	8200C	4F	50M	TFH	.50	3.0	DTL	8	4	0	6	10n	20n	10n	170m		-55	125	1	B0415c	M7
47	O87	4F	5.0MΔ	MON	2.0%	.45*	DTL	7	24	0	5					1.4	0	70	1	B0482	M105
48	487	4F	5.0MΔ	MON	2.0%	.45*	DTL	7	10	0	5						0	55	1	B0482	M105
49	D4001	4F	5.0M	PCB	2.0%	.95*	DTL	2	11	0	5	90nΔ			350m	1.0 Δ	0	75	4		
50	DTL394551	4F		MON	2.6%	.40*	DTL	7	20	0.0	8.0	75nΔ			48m	500m	-55	125	1	B04129	FP28
51	DTL394851	4F		MON	2.6%	.40*	DTL	7	18	0.0	8.0	75nΔ			52m	500m	-55	125	1	B04129	FP28
52	DTL694551	4F		MON	2.6%	.40*	DTL	7	20	0.0	8.0	75nΔ			48m	500m	-55	125	1	B04129	M54
53	DTL694851	4F		MON	2.6%	.40*	DTL	7	18	0.0	8.0	75nΔ			52m	500m	-55	125	1	B04129	M54
54	MC931G	4F		MON	2.6%	.40*	DTL	6	14	0	8	40n			55m†		-55	125	1	B0487a	TO100
55	MC1915F	4F		MON	2.6%	.40*	DTL	10	10	0.0	5.0	40n	10n	10n	65m†		-55	125	1	B04140	TO86
56	MC1915L	4F		MON	2.6%	.40*	DTL	10	10	0.0	5.0	40n	10n	10n	65m†		-55	125	1	B04140	TO116
57	MC1916F	4F		MON	2.6%	.40*	DTL	10	9	0.0	5.0	40n	10n	10n	75m†		-55	125	1	B04140	TO86
58	MC1916L	4F		MON	2.6%	.40*	DTL	10	9	0.0	5.0	40n	10n	10n	75m†		-55	125	1	B04140	TO116
59	SW931F	4F	10M	MON	2.6%	.40	DTL	5	9	0.0	8.0				35m	700m	-55	125	1	B0467	TO86
60	SW931S	4F	10M	MON	2.6%	.40	DTL	5	9	0.0	8.0				35m	700m	-55	125	1	B0467	CN9a
61	SW945/948F	4F	10M	MON	2.6%	.40	DTL	5	10†	0.0	8.0				45m	700m	-55	125	1	B0467	TO86
62	SW945/948S	4F	10M	MON	2.6%	.40	DTL	5	10	0.0	8.0				45m	700m	-55	125	1	B0467	CN9a
63	MC831F	4F		MON	2.6%	.45*	DTL	7	14	0	8	40n			55m†		0	75	1	B0487	TO86
64	MC831G	4F		MON	2.6%	.45*	DTL	6	14	0	8	40n			55m†		0	75	1	B0487a	TO100
65	MC831P	4F		MON	2.6%	.45*	DTL	7	14	0	8	40n			55m†		0	75	1	B0487	TO116
66	MC1815F	4F		MON	2.6%	.45*	DTL	10	12	0.0	5.0	40n	10n	10n	65m†		0	75	1	B04140	TO86
67	MC1815L.P%	4F		MON	2.6%	.45*	DTL	10	12	0.0	5.0	40n	10n	10n	65m†		0	75	1	B04140	TO116
68	MC1816F	4F		MON	2.6%	.45*	DTL	10	11	0.0	5.0	40n	10n	10n	75m†		0	75	1	B04140	TO86
69	MC1816L.P%	4F		MON	2.6%	.45*	DTL	10	11	0.0	5.0	40n	10n	10n	75m†		0	75	1	B04140	TO116
70	WC945D	4F		MON	2.6%	.45	DTL	7	12	0	8	40n			60m†		0	75	1	B04129a	M126b
71	WC948D	4F		MON	2.6%	.45	DTL	7	11	0	8	40n			70m†		0	75	1	B04129a	M126b
72	DTL394559	4F		MON	2.8%	.45*	DTL	7	20	0.0	8.0	75nΔ			48m						

4. BINARY/FLIP-FLOPS

IN ORDER OF: (1)TYPE FLIP-FLOP (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF FLIP-FLOP	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME		MAX. FALL TIME (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					LEVEL	TYPE	IN	OUT MAX.	NEG (V)	POS (V)	tr (s)		tf (s)	LOW °C				HI °C	LOGIC DWG. No		OUTLINE DWG. No Δ=MO	
																						'1' (V)
1	U8A991328	4F		MON			RTL	4	6	0.0	3.6	15n					15	55	1	B0452	CN34	
2	U8A991329	4F		MON			RTL	4	6	0.0	3.6	15n					0	70	1	B0452	CN34	
3	US0913D	4F		MON			RTL	4	5	0	8	30n			250m		-55	125	1	B0452	TO78	
4	US0913E	4F		MON			RTL	4	5	0.0	8.0	30n			250m		-55	125	1	B0452	TO81	
5	B892001	4F	100k	3DM			RTL	5	5	6.0	6.0	800n	300n	2.0u			-20	60	1	B047	M4	
6	B892002	4F	100k	3DM			RTL	5	5	6.0	6.0	1.1u	700n	1.7u			-20	60	1	B048	M4	
7	13A	4F	10k	3DM	0.0	12Δ	RTL	4	8	6.0	2.4	4.0u	1.5u	2.0u	300m	750mΔ	-10	70	1	B04128	ZB38	
8	SP202A	4F	15MΔ	MON	.84Δ	.22	RTL	4Δ	3	0.0	8.0	90nΔ			15m	320m	-55	125	1	B04130a	CN23a	
9	SP202B	4F	15MΔ	MON	.84Δ	.22	RTL	4Δ	3	0.0	8.0	90nΔ			15m	320m	0	70	1	B04130a	CN23a	
10	SP204A	4F	15M	MON	.84Δ	.22	RTL	2	6	0.0	8.0	90nΔ			30m	320m	-55	125	1	B038e	CN23a	
11	SP204B	4F	15M	MON	.84Δ	.22	RTL	2	6	0.0	8.0	90nΔ			30m	320m	0	70	1	B038e	CN23a	
12	SP252A	4F	15M	MON	.84Δ	.22	RTL	4Δ	3	0	8	90nΔ			15m	320m	-55	125	1	B04130a	FP2	
13	SP252B	4F	15M	MON	.84Δ	.22	RTL	4Δ	3	0	8	90nΔ			15m	320m	0	70	1	B04130a	FP2	
14	SP254A	4F	15M	MON	.84Δ	.22	RTL	2	6	0	8	90nΔ			30m	320m	-55	125	1	B038e	FP2	
15	SP254B	4F	15M	MON	.84Δ	.22	RTL	2	6	0	8	90nΔ			30m	320m	0	70	1	B038e	FP2	
16	SP302B	4F		MON	1.0Δ	.22	RTL	6Δ	4	0	8	30n			45m	320m	0	70	1	B04130	TO100	
17	SP352B	4F		MON	1.0Δ	.22	RTL	6Δ	4	0	8	30n			45m	320m	0	70	1	B04130	FP2	
18	MWU913	4F	8.0M	MON	1.1	.20	RTL	4	6	0.0	8.0	100n			12m	250m	-55	125	1	B0452	FP126	
19	FF5713B	4F	200k	3DM	5.0Δ	2.0	RTL	4	6	0.0	15	200n	300n	100n	5.0m	2.9	-55	125	1		M57	
20	FF5723B	4F	200k	3DM	5.0Δ	2.0	RTL	4	6	0.0	15	200n	300n	100n	5.0m	2.9	-55	125	1		M57a	
21	FF5514B	4F	1.0M	3DM	5.0Δ	2.0	RTL	4	6	0	12	50n	80n	30n	25m	2.9	-55	125	1		M57	
22	FF5524B	4F	1.0M	3DM	5.0Δ	2.0	RTL	4	6	0	12	50n	80n	30n	25m	2.9	-55	125	1		M57a	
23	FF5414B	4F	2.0M	3DM	5.0Δ	2.0	RTL	4	6	0	9	30n	60n	20n	133m	2.9	-55	125	1		M57	
24	FF5424B	4F	2.0M	3DM	5.0Δ	2.0	RTL	4	6	0	9	30n	60n	20n	133m	2.9	-55	125	1		M57a	
25	8070	4F	1.0M	PCB	-4.4	0.0	RTL	14	1	20	20	100n			2.5	1.9	0	55	4	B044	CB2	
26	TF20F	4F	20M	MON	3.0	.30	TTL	10	15	0.0	5.0	18n			50m	1.0 Δ	-55	125	1	B0477	FP21c	
27	TF20J	4F	20M	MON	3.0	.30	TTL	10	15	0.0	5.0	18n			50m	1.0 Δ	-55	125	1	B0477	TO116	
28	TF21F	4F	20M	MON	3.0	.30	TTL	10	7.0	0.0	5.0	18n			50m	1.0 Δ	-55	125	1	B0477	FP21c	
29	TF21J	4F	20M	MON	3.0	.30	TTL	10	7.0	0.0	5.0	18n			50m	1.0 Δ	-55	125	1	B0477	TO116	
30	TF22F	4F	20M	MON	3.0	.30	TTL	10	15	0.0	5.0	18n			50m	1.0 Δ	0	75	1	B0477	FP21c	
31	TF22J	4F	20M	MON	3.0	.30	TTL	10	15	0.0	5.0	18n			50m	1.0 Δ	0	75	1	B0477	TO116	
32	TF23F	4F	20M	MON	3.0	.30	TTL	10	7.0	0.0	5.0	18n			50m	1.0 Δ	0	75	1	B0477	FP21c	
33	TF23J	4F	20M	MON	3.0	.30	TTL	10	7.0	0.0	5.0	18n			50m	1.0 Δ	0	75	1	B0477	TO116	
34	SWF20	4F	20M	MON	3.5	.26	TTL	8	15	0.0	6.0	24n	5.0n	8.0n	35m	1.0	-55	125	1	B0468	TO86	
35	SWF21	4F	20M	MON	3.5	.26	TTL	8	15	0.0	6.0	24n	5.0n	8.0n	35m	1.0	-55	125	1	B0468	TO86	
36	SWF22	4F	20M	MON	3.5	.26	TTL	8	12	0.0	6.0	24n	5.0n	8.0n	35m	1.0	0	75	1	B0468	TO86	
37	SWF23	4F	20M	MON	3.5	.26	TTL	8	6	0.0	6.0	24n	5.0n	8.0n	35m	1.0	0	75	1	B0468	TO86	
38	TF33031	4F	20M	MON	3.5	.26	TTL	4	7	0.0	6.0	15n			30m	1.0	15	55	1	B0477a	CN13a	
39	TF33115	4FG	20M	MON	3.0	.30	TTL	6	15	0.0	5.0	12n			75m	1.0 Δ	-55	125	1	B0446	TO116	
40	TF33116	4FG	20M	MON	3.0	.30	TTL	6	15	0.0	5.0	12n			75m	1.0 Δ	0	75	1	B0446	TO116	
41	TF33117	4FG	20M	MON	3.0	.30	TTL	6	7	0.0	5.0	12n			75m	1.0 Δ	-55	125	1	B0446	TO116	
42	TF33118	4FG	20M	MON	3.0	.30	TTL	6	7	0.0	5.0	12n			75m	1.0 Δ	0	75	1	B0446	TO116	
43	RC301T	5								5	5	0.0	3.0	25n								
44	RC301T	5								5	5	0.0	3.0	25n								
45	DC50CSFF3	5	50M	PCB	3.0	0.0		7	4	12	12	9.0n	7.0n	10n	1.0	1.0	-10	100	2			
46	DC50CSFF4	5	50M	PCB	3.0	0.0		3	4	12	12	9.0n	7.0n	10n	1.0	1.0	-10	100	4			
47	DC01CSFF4	5	20k	PCB	6.0	0.0		3	4	12	12	500n	1.0u	1.0u	1.0	1.0	-55	100	4	B038		
48	DC01CSXFF4	5	20k	PCB	6.0	0.0		3	4	12	12	500n	1.0u	1.0u	1.0	1.0	-55	100	4	B038		
49	DC2CSFF3	5	2.0M	PCB	6.0	0.0		3	6	18	18	50n	150n	250n	1.2	1.2	-55	100	2			
50	DC2CSFF4	5	2.0M	PCB	6.0	0.0		3	6	18	18	50n	150n	250n	1.2	1.2	-55	100	4			
51	11G137	5	200k	PCB	8.2	0.0		22	0	28	200n									B0537	CB49	
52	DC01CFF4	5	20k	PCB	6.0	0.0		3	4	12	12	1.5u	3.5u	5.0u	1.0	1.0	-55	55	4	B038		
53	DC01CXFF4	5	20k	PCB	6.0	0.0		3	4	12	12	1.5u	3.5u	5.0u	1.0	1.0	-55	55	4	B038		
54	DC1CFF4	5	100k	PCB	6.0	0.0		7	6	18	18	1.0u	1.5u	3.0u	1.2	1.2	-55	55	2			
55	DC1CFF4	5	100k	PCB	6.0	0.0		3	6	18	18	1.0u	1.5u	3.0u	1.2	1.2	-55	55	4			
56	DC2CFF3	5	2.0M	PCB	6.0	0.0		7	6	18	18	50n	150n	250n	1.2	1.2	-55	55	2			
57	DC2CFF4	5	2.0M	PCB	6.0	0.0		3	6	18	18	50n	150n	250n	1.2	1.2	-55	55	4			
58	DC10CFF3	5	10M	PCB	6.0	0.0		7	4	18	18	25n	50n	80n	1.2	1.2	-55	55	2			
59	DC10CFF4	5	10M	PCB	6.0	0.0		3	4	18	18	25n	50n	80n	1.2	1.2	-55	55	4			
60	PM9243	5	500k	3DM	6.5	0.0				18	6										ZB37	
61	PM8583	5	2.0M	3DM	6.5	0.0				18	6										ZB37	
62	PM8793	5	2.0M	3DM	6.5	0.0				18	6										ZB37	
63	MP106BF	5	1.0MΔ	MOS	-11%	-4.0*		6Δ		24	0.0				50m		-55	125	1	B0547	FP2	
64	MP106BT	5	1.0MΔ	MOS	-11%	-4.0*		6Δ		24	0.0				50m		-55	125	1	B0547	FP2	
65	WM205T.Q	5	3.7M	MON			DTL	2	2	0.0	8.0				8.4m	550m*	-55	125	1		ZB73	
66	SR332	5	2.0M	PCM	0.0	6.0	DTL	4	6	6	12	35n	50n	70n	2.0	2.0	-55	125	8		CB36	
67	SR333	5	2.0M	PCM	0.0	6.0	DTL	4	6	6	12	35n	50n	70n	1.7	2.0	-55	125	6		CB36	
68	SR352	5	250k	PCM	0.0	-6.0	DTL	4	8	12	6.0	140n	150n	500n	2.0	2.0	-55	71	8		CB36	
69	SR353	5	250k	PCM	0.0	-6.0	DTL	4	8	12	6.0	140n	150n	500n	1.5	2.0	-55	71	6		CB36	
70	SR362	5	2.0M	PCM	0.0	-6.0	DTL	4	8	12	6	40n	32n	70n	2.8	2.0	-55	71	8		CB36	
71	SR363	5	2.0M	PCM	0.0	-6.0	DTL	4	8	12	6	40n	32n	70n	2.1	2.0	-55	71	6		CB36	
72	PE9097-59	5		MON	3.1	.45	DTL	4	20	0.0	5.0	75n			100m	1.0	0	75	2	B0545	M131	
73	HBH25101	5	6.0M	MOH	4.0%	.40t*	DTL	6	16	0.0	8.0	65n			500m		-55	125	1	B0544	FP28	
74	HBH25109	5	6.0M	MOH	4.0%	.40t*	DTL	6	20	0.0	8.0	65n			500m		0	70	1	B0544	FP28	
75																						

4. BINARY/FLIP-FLOPS

IN ORDER OF: (1)TYPE FLIP-FLOP (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	TYPE No.	1 TYPE OF FLIP-FLOP	5 MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX.		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					3 LEVEL	4 TYPE	2	IN	OUT MAX.	NEG (V)	POS (V)		RISE TIME tr (s)	FALL TIME tf (s)			LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=MO
1	CTR500P/N24LSQ	5		3DM	24		MTL			0.0	24				200m		100	1		M18b	
2	CTR500P/N24MSQ	5		3DM	24		MTL			0.0	24			200m		100	1		M18a		
3#	9906-1-5B	5		3DM	24		RTL	3	8	0.0	3.0			36m	250m	-55	100	1	B0530	M18a	
4	U5B990528	5		MON			RTL	3	42	0.0	3.6	15n		250m	250m	15	55	1	B0531	TO99	
5	U5F990528	5		MON			RTL	3	42	0.0	3.6	15n		250m	250m	15	55	1	B0531	TO100	
6	U5F990529	5		MON			RTL	3	42	0.0	3.6	15n		250m	250m	15	55	1	B0531	TO100	
7	U8A990528	5		MON			RTL	3	42	0.0	3.6	15n		250m	250m	15	55	1	B0531	CN34	
8	U8A990529	5		MON			RTL	3	42	0.0	3.6	15n		250m	250m	15	55	1	B0531	CN34	
9	2NB1005	5	10M	MON	.81	.21	RTL	3	13	0.0	4.0	28n	28n	28n	355m	-55	125	1	B0531	CN19	
10	2NB1006	5	10M	MON	.81	.21	RTL	2	13	0.0	4.0	28n	28n	28n	36m	355m	-55	125	1	B0530	CN19
11#	SP209B	5		MON	.84Δ	.22	RTL	1	3	0.0	8.0	120nΔ		15m	320m	0	70	2	B056b	CN23a	
12#	SP212A	5		MON	.84	.22	RTL	2	6	0.0	8.0	120nΔ		40m	320m	-55	125	1	B0541	CN23a	
13#	SP212B	5		MON	.84	.22	RTL	2	6	0.0	8.0	120nΔ		40m	320m	0	70	2	B0541	CN23a	
14#	SP259A	5		MON	.84Δ	.22	RTL	1	3	0	8	120nΔ		15m	320m	-55	125	2	B056b	FP2	
15	SP259B	5		MON	.84Δ	.22	RTL	1	3	0	8	120nΔ		15m	320m	0	70	2	B056b	FP2	
16	SP259B	5		MON	.84Δ	.22	RTL	1	3	0	8	120nΔ		15m	320m	-55	125	2	B056b	FP2	
17	SP262A	5		MON	.84	.22	RTL	2	6	0	8	120nΔ		35m	320m	-55	125	1	B0541	FP2	
18	SP262B	5		MON	.84	.22	RTL	2	6	0	8	120nΔ		35m	320m	0	70	1	B0541	FP2	
19#	SP209A	5	15MΔ	MON	.84Δ	.22	RTL	1	3	0.0	8.0	120nΔ		15m	320m	-55	125	2	B056b	CN23a	
20	2NB2005	5	10M	MON	.84	.25	RTL	3	13	0.0	4.0	28n	28n	28n	53m	293m	0	100	1	B0531	CN19
21	2NB2006	5	10M	MON	.84	.25	RTL	2	13	0.0	4.0	28n	28n	28n	36m	293m	0	100	1	B0530	CN19
22	2NB4005	5	10M	MON	.84	.25	RTL	3	13	0.0	4.0	28n	28n	28n	53m	293m	0	75	1	B0531	CN19
23	2NB4006	5	10M	MON	.84	.25	RTL	2	13	0.0	4.0	28n	28n	28n	36m	293m	0	75	1	B0530	CN19
24	PL913#1	5		MON	.90	.15	RTL	4	6	0.0	3.0			15m		-55	125	1	B056	CN13	
25	PL913#2	5		MON	.90	.15	RTL	4	6	0.0	3.0			15m		-55	125	1	B056	FP2	
26	PL984	5		MON	.90	.15	RTL	4	4	0.0	4.0	30n		15m		-55	125	1	B056	FP2	
27	PL9913	5		MON	.90	.15	RTL	4	6	0.0	3.0			15m		-55	125	1	B056	FP2	
28	PL9984	5		MON	.90	.15	RTL	4	4	0.0	4.0	30n		15m		-55	125	1	B056	FP2	
29	2NB3005	5	10M	MON	.91	.25	RTL	3	13	0.0	3.6	28n	28n	28n	53m	251	15	65	1	B0531	CN19
30	2NB3006	5	10M	MON	.91	.25	RTL	2	13	0.0	3.6	28n	28n	28n	36m	251	15	65	1	B0530	CN19
31	PL906#1	5		MON	1.0	.15	RTL	3	8	0.0	3.0			43m		-55	125	1	B059	CB13	
32	PL906#2	5		MON	1.0	.15	RTL	3	8	0.0	3.0			43m		-55	125	1	B059	FP2	
33	PL9906	5		MON	1.0	.15	RTL	3	8	0.0	3.0			43m		-55	125	1	B059	FP2	
34	FuL90529	5		MON	1.1	.25	RTL	3	26	0.0	3.6	20n		80m	300m	15	55	1		TO99	
35	uL906#1	5		MON	1.1	.25	RTL	3	8	0.0	12	12n		43m		-55	125	1	B0530	TO70	
36	uL906#2	5		MON	1.1	.25	RTL	3	8	0.0	12	12n		43m		0	100	1	B0530	CN34	
37	545BE	5	4.0M	MON			TTL	3		0	4	70n		1.0m		-55	125	1			
38	545BH	5	4.0M	MON			TTL	3		0	4	70n		1.0m		-55	125	1			
39	D16701	5	4.0M	MON			TTL	3		0.0	4.0	70n		1.0m		-55	125	1		TO100	
40	D46701	5	4.0M	MON			TTL	3		0.0	4.0	70n		1.0m		-55	125	1		FP26a	
41	111AE	5		MON	.80	.25	TTL	5	5	0	3	12n		118m	300m	-55	125	1	B051	CN12	
42	111AH	5		MON	.80	.25	TTL	5	5	0	3	12n		118m	300m	-55	125	1	B051	FP28	
43	111BE	5		MON	.80	.25	TTL	5	5	0	3	45n		118m	265m	-55	125	1	B051		
44	111BH	5		MON	.80	.25	TTL	5	5	0	3	12n		118m	265m	-55	125	1	B051	FP28	
45	111CE	5		MON	.80	.25	TTL	5	5	0	3	45n		118m	250m	0	70	1	B051	CN12	
46	112AE	5		MON	.80	.25	TTL	5	10	0	3	45n		118m	300m	-55	125	1	B053		
47	112AH	5		MON	.80	.25	TTL	5	10	0	3	45n		118m	300m	-55	125	1	B053		
48	112BE	5		MON	.80	.25	TTL	5	5	0	3	45n		118m	265m	-55	125	1	B053		
49	112BH	5		MON	.80	.25	TTL	5	5	0	3	45n		118m	265m	-55	125	1	B053		
50	112CE	5		MON	.80	.25	TTL	5	5	0	3	45n		118m	250m	0	70	1	B053	CN11	
51	113AE	5		MON	.80	.25	TTL	5	5	0	3	30n		118m	300m	-55	125	1	B055	CN12	
52	113AH	5		MON	.80	.25	TTL	5	5	0	3	30n		118m	300m	-55	125	1	B055	FP28	
53	113BE	5		MON	.80	.25	TTL	5	5	0	3	30n		118m	265m	-55	125	1	B055		
54	113BH	5		MON	.80	.25	TTL	5	5	0	3	30n		118m	265m	-55	125	1	B055	FP28	
55	113CE	5		MON	.80	.25	TTL	5	5	0	3	30n		118m	250m	0	70	1	B055	CN12	
56	114AE	5		MON	.80	.25	TTL	4	5	0	3	40n		68m	300m	-55	125	1	B054	CN12	
57	114AH	5		MON	.80	.25	TTL	4	5	0	3	40n		68m	300m	-55	125	1	B054	FP28	
58	114BE	5		MON	.80	.25	TTL	4	5	0	3	40n		68m	265m	-55	125	1	B054		
59	114BH	5		MON	.80	.25	TTL	4	5	0	3	40n		68m	265m	-55	125	1	B054		
60	114CE	5		MON	.80	.25	TTL	4	5	0	3	40n		68m	250m	0	70	1	B054	CN11	
61	P11001	5		MON	.80	.25	TTL	5	10	0.0	3.0	30n		118m	300m	-55	125	1	B055	CN12	
62	P11004	5		MON	.80	.25	TTL	5	5	0.0	3.0	30n		118m	250m	0	70	1	B055	CN12	
63	P11008	5		MON	.80	.25	TTL	5	5	0.0	3.0	30n		118m	265m	-55	125	1	B055	CN12	
64	P41001	5		MON	.80	.25	TTL	5	10	0.0	3.0	30n		118m	300m	-55	125	1	B055	FP26c	
65	P41008	5		MON	.80	.25	TTL	5	5	0.0	3.0	30n		118m	265m	-55	125	1	B055	FP26	
66	R11001	5		MON	.80	.25	TTL	5	10	0.0	3.0	45n		118m	300m	-55	125	1	B051	CN12	
67	R11004	5		MON	.80	.25	TTL	5	5	0.0	3.0	45n		118m	250m	0	70	1	B051	CN12	
68	R11008	5		MON	.80	.25	TTL	5	5	0.0	3.0	45n		118m							

4. BINARY/FLIP-FLOPS

IN ORDER OF: (1)TYPE FLIP-FLOP (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF FLIP-FLOP	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN IN		POWER SUPPLY SPAN (V)	PROPAGATION DELAY (s)	MAX. RISE TIME (s)		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)		TEMP. (°C)		CKT PER MOD	DRAWINGS	
					LEVEL	TYPE	IN	OUT MAX.	NEG (V)			POS (V)	tr		tf	LOW	HI	LOGIC DWG. No		OUTLINE DWG. No Δ=MO	
																					'1' (V)
1	WM10343	6	10M*	3DM	1.5%		DTL	1	1	6	18	40n		615m	350m*	-55	125	1	B0610	M66	
2	HDD945R	6		MON	3.1%	.40*	DTL	7	15	0.0	8.0			70m		-55	125	1	B0395	T086	
3	3K1	6	250k	3DM	-2.0	-6.0	DTL	3		20	6.0	100n	300n	117m		-20	75	1	B0612	M77	
4	1647	6	250k	3DM	-3.0	-1.1	DTL	5		12	0.0	400n	1.0u	2.0u	450m	1.5	-45	65	1	B063	M17
5	CT303-2	6	5.0M	PCB	-3.0	-1.1	DTL	4		12	0.0	100n	60n	500n	440m	1.5	-45	65	2	B064	CB16
6	T303	6	5.0M	3DM	-3.0	-1.1	DTL	3		12	0	100n	60n	500n	220m	1.5	-45	65	1	B065	M17
7	FF11-3	6	100k	3DM	-1.0	0.0	DTL	3	3	12	12	100n	150n	300n	130m	2.0	-35	65	1	B069a	M15
8	CT1024A	6	250k	PCB	-3.0	-1.1	RCT	3		12	0.0	400n	1.0u	2.0u	240m	1.5	-45	65	4		CB16
9#	5475-1-6B	6		MON	2.0%	.80*	TTL	4	10	0.0	5.0			160m†	1.0 Δ	-55	125	1	K347	M153	
10#	7475-9-6B	6		MON	2.0%	.80*	TTL	4	10	0.0	5.0			160m†	1.0	0	70	4	K347	M153	
11	DM8550D	6		MON	2.0%	.80*	TTL	2	10	0	7	40nΔ		250m	1.0	0	70	4	K347	M146	
12	SN45100N	6		MON	2.0%	.80*	TTL	2	10	0.0	5.0	15n		320m†	1.0 Δ	-55	125	8	K347	M186	
13	SN74100W	6		MON	2.0%	.80*	TTL	2	10	0.0	5.0	15n		320m†	1.0 Δ	0	70	8	K347	T084	
14	9040-1-6A	6F	2.5MΔ	3DM			DTL	7	10	0	5.5	60n†		4.0mΔ	450m	-55	125	1	B0619	M54	
15	FF3317C	6F	20M†	TFH	4.0Δ	1.5	RCT	1	4	0	8	8.0n%	20n	6.0n	100m	1.5	-55	125	1		M57
16	FF3327C	6F	20M†	TFH	4.0Δ	1.5	RCT	1	4	0	8	8.0n%	20n	6.0n	100m	1.5	-55	125	1		M57a
17	FF3714C	6F	1.0M	TFH	5.0Δ	2.0	RCT	1	5	0	15	50n%	80n	30n	5.0m	2.0	-55	125	1		M57
18	FF3724C	6F	1.0M	TFH	5.0Δ	2.0	RCT	1	5	0	15	50n%	80n	30n	5.0m	2.0	-55	125	1		M57a
19	FF3515C	6F	5.0M	TFH	5.0Δ	2.0	RCT	1	5	0.0	12	20n%	40n	15n	25m	2.0	-55	125	1	B068a	M57
20	FF3525C	6F	5.0M	TFH	5.0Δ	2.0	RCT	1	5	0	12	20n%	40n	15n	25m	2.0	-55	125	1	B068a	M57a
21	FF3415C	6F	10M†	TFH	5.0Δ	2.0	RCT	1	5	0	9	12n%	30n	10n	50m	2.0	-55	125	1	B068a	M57
22	FF3425C	6F	10M†	TFH	5.0Δ	2.0	RCT	1	5	0	9	12n%	30n	10n	50m	2.0	-55	125	1	B068a	M57a
23#	SP203A	6F	10MΔ	MON	.84Δ	.22	RTL	6Δ	3	0.0	8.0	90nΔ		17m†	320m	-55	125	1	B0622	CN23a	
24#	SP203B	6F	10MΔ	MON	.84Δ	.22	RTL	6Δ	3	0.0	8.0	90nΔ		17m†	320m	0	70	1	B0622	CN23a	
25#	SP253A	6F	10MΔ	MON	.84Δ	.22	RTL	6Δ	3	0.0	8.0	90nΔ		17m†	320m	-55	125	1	B0622	FP2	
26	FF1713B	6F	200k	3DM	5.0Δ	2.0	RTL	4	6	0.0	15	200n%	300n	100n	5.0m	2.9	-55	125	1		M57
27	FF1723B	6F	200k	3DM	5.0Δ	2.0	RTL	4	6	0.0	15	200n%	300n	100n	5.0m	2.9	-55	125	1		M57a
28	FF1514B	6F	1.0M	3DM	5.0Δ	2.0	RTL	4	6	0	12	50n%	80n	30n	25m	2.9	-55	125	1	B068	M57
29	FF1524B	6F	1.0M	3DM	5.0Δ	2.0	RTL	4	6	0	12	50n%	80n	30n	25m	2.9	-55	125	1	B068	M57a
30	FF1414B	6F	2.0M	3DM	5.0Δ	2.0	RTL	4	6	0	9	30n%	60n	20n	133m	2.9	-55	125	1	B068	M57
31	FF1424B	6F	2.0M	3DM	5.0Δ	2.0	RTL	4	6	0	9	30n%	60n	20n	133m	2.9	-55	125	1	B068	M57a
32#	DN805	7	1.0M	MON	10	.40	RTL	1			16			200m		-20	75			CN70	
33	6202	7A	10M	PCB	0.0	-3.0	RCT	6	18	15	10	15n	8.0n	20n	1.3	500m	-20	55	1	B073	CB7
34	6207	7C	10M	PCB	0.0	-3.0	RCT	4	19	15	10	15n	10n	20n	2.6	500m	-20	55	2	B074	CB7
35	6208	7C	10M	PCB	0.0	-3.0	RCT	5	14	15	10	15n	15n	15n	2.6	500m	-20	55	2	B072	CB7
36	EM5001	7F	100k	3DM	0.0	-5.0	DTL	2	8	6.0	6.0	550n	460n	3.0u	82m	2.0	-55	70	1	B075	M62a
37	404	8	300k	PCB	-6.8	0.0	DTL	15	10	12	12			2.0m		0	55	1		CB24	
38#	FJ391	8		MON	2.0%	.80*		5	10	0.0	5.0	66nΔ		230m†	1.0 Δ	0	70	1	B0855	M117q	
39	C040174BC	8	10M	MOS	7.0	3.0		2	0	15	50n†	20n†	20n†	500m	4.5 Δ	-40	85	6	B08127	M7	
40	C040174BM	8	10M	MOS	7.0	3.0		2	0	15	50n†	20n†	20n†	500m	4.5 Δ	-55	125	6	B08127	M7	
41	MC2598G	8	2.0M†	MOS	9.9%	.01*†		4		0.0	10	300n	400n	200n	10u%	4.5 Δ	-55	125	1	B0826	CN57
42	MC14013L	8	3.6MΔ	MOS	9.99%	.01*†		4	50	0.0	10	385nΔ	5.0u	5.0u	20u%		-55	125	2	B0829	M157a
43	MC2503L	8	4.0M†	MOS	9.99%	.010*†		4	50	0	10			20m%		-55	125	2	B0829	M157a	
44	UL51L#1	8		MOS	-3.5%	-.90*		5		27	0.0			60m†		0	70	2	B0842	M183a	
45#	M58207P	8	100k	MOS	-9.0%	-3.0*		3		30	30	1.5u%		53m†	2.0 Δ	0	75	4	B0818	M153b	
46#	M5811P	8	100k	MOS	-9.0%	-4.0*		8		30	30	1.5u%		58m†	2.0 Δ	0	75	1	B0817	M153b	
47	INS4013S	8	16MΔ	MOS	10	0.0†		4	50	0.0	10	45n%	5.0uΔ	5.0uΔ		4.5 Δ	-55	125	2		
48	JANM38510/05	101ACB																			
49	JANM38510/05	101ADA																			
50	JANM38510/05	101CCC																			
51	SW4013A	8	1.0MΔ	MON	3.95%	.85*	CMS	4	7	0.0	5.0	825nΔ		200m		-55	125	2	B0887	M392	
52	TP4370AN	8	4.0MΔ	MOS	5.0	0.0	CMS	4	7	0.0	5.0	150n		200m		-40	85	2	B0823	M313a	
53	TP4013BN	8		MOS	7.0%	3.0*	CMS	4	6E	0.0	10			80u%	2.0 *	-40	85	4			
54	TF4013AJ	8	10M†	MOS	7.1%	2.9*	CMS	4		0.0	10	185nΔ	5.0u	5.0u	1.2m%		-55	125	2	B0883	T0116
55	TF4013AN	8	10M†	MOS	7.1%	2.9*	CMS	4		0.0	10	185nΔ	5.0u	5.0u	1.2m%		-55	125	2	B0883	M126e
56	TP4013AJ	8	10M†	MOS	7.1%	2.9*	CMS	4		0.0	10	250nΔ			2.8m%		-40	85	2	B0883	M157b
57	TP4013AN	8	10M†	MOS	7.1%	2.9*	CMS	4		0.0	10	250nΔ			2.8m%		-40	85	2	B0883	M126e
58	SCL4013BD	8	16M†	MOS	9.95%	.05*†	CMS	4	50	0.0	10	130nΔ			2.0u%	3.0	-55	125	2	B0883	M257j
59	SCL4013BF	8	16M†	MOS	9.95%	.05*†	CMS	4	50	0.0	10	130nΔ			2.0u%	3.0	-55	125	2	B0883	Δ004AF
60	HD1-4013A2	8	10M†	MOS	9.99%	.01*†	CMS	4		0.0	10	110nΔ	5.0u	5.0u	20u%	4.5 Δ	-55	125	2	B0883	M126v
61	HD1-4013A9	8	10M†	MOS	9.99%	.01*†	CMS	4		0.0	10	125nΔ	5.0u	5.0u	200u%	4.5 Δ	-40	85	2	B0883	T086
62	HD9-4013A2	8	10M†	MOS	9.99%	.01*†	CMS	4		0.0	10	110nΔ	5.0u	5.0u	20u%	4.5 Δ	-55	125	2	B0883	M126v
63	HD9-4013A9	8	10M†	MOS	9.99%	.01*†	CMS	4		0.0	10	125nΔ	5.0u	5.0u	200u%	4.5 Δ	-40	85	2	B0883	T086
64	SCL4013AC	8	12M†	MOS	9.99%	.01*†	CMS	4		0.0	10	120nΔ	5.0u	5.0u	20u%	4.5	-55	125	2	B0883	M475a
65	SCL4013AE	8	12M†	MOS	9.99%	.01*†	CMS	4		0.0	10	120nΔ	5.0u	5.0u	20u%	4.5	-40	85	2	B0883	M475c
66	SCL4013AF	8	12M†	MOS	9.99%	.01*†	CMS	4		0.0	10	120nΔ	5.0u	5.0u	20u%	4.5	-55	125	2	B0883	FP110
67	CD4013AK	8	10M†	MOS	10	0.0†	CMS	4		0.0	10	110nΔ	5.0uΔ	5.0uΔ	20u%	4.5 Δ	-55	125	2	B0883	Δ004AF
68	CD4013BH	8	10M	MOS	15	0.0	CMS	4	50	0.0	15	90nΔ	5.0u	5.0u	500m	4.5 Δ	-55	125	2	B0823	
69	CD4013BK	8	10M	MOS	15	0.0	CMS	4	50	0.0	15	90nΔ	5.0u	5.0u	500m	4.5 Δ	-55	125	2	B0883	Δ004AF
70	SCL4174BD	8	15mΔ	MOS	15.3%	0.45*	CMS			0	15	420nΔ	20n	20n	300m%		-55	125	1	B08118	M7
71	SCL4174BF	8	15MΔ	MOS	15.3%	0.45*	CMS			0	15	420nΔ	20n	20n	300m%		-55	125	1	B08118	FP7
72	SW1914F	8		MOS	1.8%	1.2*	DTL	2	8†	0.0	8.0	30n		160m†	1.0	-55	125	4	K3417a	T086	
73	SW1914P	8		MON	1.8%																

4. BINARY/FLIP-FLOPS

IN ORDER OF: (1)TYPE FLIP-FLOP (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL	LINE No.	6	TYPE No.	1	TYPE OF FLIP-FLOP	5	MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPAGA-TION DELAY (s)	MAX.			TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS				
									3	4	2	IN	OUT MAX.	NEG (V)	POS (V)		RISE TIME tr (s)	FALL TIME tf (s)	LOW			HI	LOGIC DWG. No		OUTLINE DWG. No Δ=MO				
																										LEVEL	TYPE	1'	0'
	1		F10231PC	8		225M%	MON	96%	-1.6†	ECT	5	80G	5.2	0.0	3.3n	338m%	145m*	0	75	2	B08106	M562							
	2		MC1669L	8		300M%	MON	96%	-1.6†	ECT	4	7	5.2	0.0	1.8n	220m%		0	75	2	B0832	M191							
	3		MC1671L	8		350M%	MON	96%	-1.6†	ECT	5	7	5.2	0.0	2.5n	220m%		0	75	1	B03153	M191							
	4		MC1605F	8		500M%	MON	96%	-1.6†	ECT	5		5.2	0.0	1.4n	525m%		-30	85	2	B0890	FP85							
	5		10130E	8		150M%	MON	96%	-1.8	ECT	1	90	5.2	0.0	3.0n	270m%	400m	-30	85			M153a							
	6		10131E	8		160M%	MON	96%	-1.8	ECT	1	90	5.2	0.0	2.8n	270m%	400m	-30	85			M153a							
	7		SN10131J	8		125M%	MON	98%	-1.6†	ECT	5		5.2	0.0	2.8n	223m%		0	85	2	B0884	M153d							
	8		SN10131N	8		125M%	MON	98%	-1.6†	ECT	5		5.2	0.0	2.8n	223m%		0	85	2	B0884	M117x							
	9#		SP1670BE	8		300M%	MON	98%	-1.6†	ECT	5		5.2	0.0	2.5nΔ	250m%		0	75	1	B0864	M184a							
	10#		SP1671BE	8		300M%	MON	98%	-1.6†	ECT	5		5.2	0.0	2.5nΔ	250m%		0	75	1	B0864a	M184a							
	11#		SP1670AS	8		300M%	MON	1.0%	-1.6†	ECT	5		5.2	0.0	1.8nΔ	250m%		0	75	1	B0864	FP94							
	12#		SP1670BS	8		300M%	MON	1.0%	-1.6†	ECT	5		5.2	0.0	2.3nΔ	250m%		0	75	1	B0864	FP94							
	13#		SP1671AS	8		300M%	MON	1.0%	-1.6†	ECT	5		5.2	0.0	1.8nΔ	250m%		0	75	1	B0864	FP94							
	14#		SP1671BS	8		300M%	MON	1.0%	-1.6†	ECT	5		5.2	0.0	2.3nΔ	250m%		0	75	1	B0864	FP94							
	15#		MC1034P	8		180M%	MON	2.0%	-70†	ECT	5	25	5.2	0.0	4.0n	240m%		0	75	1	B038y	TO116							
	16		MC1234F	8		180M%	MON	2.0%	-70†	ECT	5	25	5.2	0.0	4.0n	240m%		-55	125	1	B038y	TO86							
	17		MC1234L	8		180M%	MON	2.0%	-70†	ECT	5	25	5.2	0.0	4.0n	240m%		-55	125	1	B038y	TO116							
	18		SD373Z	8						RTL	4		0.0	3.6	120nΔ	25m%		0	75	1	B086a	CN□							
	19#		CFB74S74	8			MON			TTL	4	10	0.0	5.0	3.0n	37mΔ		0	70	2	B0836								
	20		RF3220P	8			MON			TTL	1	11	0.0	5			1.1	-55	125	3		M105k							
	21		RF3222P	8			MON			TTL	1	9	0.0	5			1.1	0	75	3		M105k							
	22		RF3230K	8		60M%	MON			TTL	11	0	0	5			1.1	-55	125	2		FP21b							
	23		RF3230P	8		60M%	MON			TTL	11	0	0	5			1.1	-55	125	2		M105k							
	24		RF3232K	8		60M%	MON			TTL	9	0	0	5			1.1	0	75	2		FP21b							
	25		RF3232P	8		60M%	MON			TTL	9	0	0	5			1.1	0	75	2		FP21b							
	26#		T110B1-16	8			MON	1.8%	85*	TTL	4	10	0.0	5.0	50nΔ	120m%	400m	0	75	2	B0827	M200							
	27#		T110D1-16	8			MON	1.8%	85*	TTL	4	10	0.0	5.0	50nΔ	120m%	400m	0	75	2	B0827	M200							
	28		9LS74DM	8			MON	2.0%	70*	TTL	3	2.5	0.0	5.0	26n	40m%	300m	-55	125	2	B0836	TO116							
	29		9LS74FM	8			MON	2.0%	70*	TTL	3	2.5	0.0	5.0	26n	40m%	300m	-55	125	2	B0836	TO86							
	30#		MIC74L74J	8		3.0MΔ	MON	2.0%	70*	TTL	4	20	0.0	5.0	150nΔ	85m%		0	70		B085	TO116							
	31		SN54L74N	8		3.0MΔ	MON	2.0%	70*	TTL	4	20	0.0	5.0	150nΔ	85m%		-55	125	2	B085	M126e							
	32		SN74L74T	8		3.0MΔ	MON	2.0%	70*	TTL	4	20	0.0	5.0	150nΔ	85m%		0	70	2	B085	FP52e							
	33		SN54LS74J	8		25MΔ	MON	2.0%	70*	TTL	4	11	0.0	5.0	40nΔ	20mΔ	1.0 *	-55	125	2	B0836	M157b							
	34		SN54LS74W	8		25MΔ	MON	2.0%	70*	TTL	4	11	0.0	5.0	40nΔ	20mΔ	1.0 *	-55	125	2	B0836	FP97a							
	35		25LS194AJ	8		40M	MON	2.0%	70*	TTL	4		0.0	5.0	75m														
	36		25LS194AW	8		40M	MON	2.0%	70*	TTL	4		0.0	5.0	75m														
	37		25LS195AJ	8		40M	MON	2.0%	70*	TTL	4		0.0	5.0	70m														
	38		25LS195AW	8		40M	MON	2.0%	70*	TTL	4		0.0	5.0	70m														
	39		25LS174J	8		50M	MON	2.0%	70*	TTL	6		0.0	5.0	80m							B08125							
	40		25LS174W	8		50M	MON	2.0%	70*	TTL	6		0.0	5.0	80m							B08125							
	41		25LS175J	8		50M	MON	2.0%	70*	TTL	4		0.0	5.0	55m							B08126							
	42		25LS175W	8		50M	MON	2.0%	70*	TTL	4		0.0	5.0	55m							B08126							
	43		9LS74DC	8			MON	2.0%	80*	TTL	3	5	0.0	5.0	26n	40m%	300m	0	75	2	B0836	TO116							
	44		9LS74FC	8			MON	2.0%	80*	TTL	3	5	0.0	5.0	26n	40m%	300m	0	75	2	B0836	TO86							
	45		9LS74PC	8			MON	2.0%	80*	TTL	3	5	0.0	5.0	26n	40m%	300m	0	75	2	B0836	TO116							
	46		74LS74DC	8			MON	2.0%	80*	TTL	3	5	0.0	5.0	26n	40m%	300m	0	75	2	B0836	TO116							
	47		74LS74FC	8			MON	2.0%	80*	TTL	3	5	0.0	5.0	26n	40m%	300m	0	75	2	B0836	TO86							
	48		74LS74PC	8			MON	2.0%	80*	TTL	3	5	0.0	5.0	26n	40m%	300m	0	75	2	B0836	TO116							
	49#		FJB9331	8			MON	2.0%	80*	TTL	5	10	0.0	5.0	70nΔ	350m%		0	70	1	B0853	M210a							
	50#		MIC54100J	8			MON	2.0%	80*	TTL	2	10	0.0	5.0	12n%	320m%	1.0 Δ	-55	125	8	K347	M477							
	51#		MIC64100J	8			MON	2.0%	80*	TTL	2	10	0.0	5.0	12n%	320m%	1.0 Δ	-40	85	8	K347	M477							
	52#		MIC74100J	8			MON	2.0%	80*	TTL	2	10	0.0	5.0	12n%	320m%	1.0 Δ	0	75	8	K347	M477							
	53#		MIC74100N	8			MON	2.0%	80*	TTL	2	10	0.0	5.0	12n%	320m%	1.0 Δ	0	75	8	K347	M197c							
	54		PD7475	8			MON	2.0%	80*	TTL	4	10	0.0	5.0	40nΔ	160m%	1.0	0	75	2	K347	M200a							
	55		SW7477H	8			MON	2.0%	80*	TTL	2	10	0.0	5.25	40nΔ	160m%	1.0	0	70	4	K347	FP□							
	56#		T7474D1	8			MON	2.0%	80*	TTL	4	20	0.0	5.0	40nΔ	150m%	1.0 Δ	0	70	2	B0836	M294							
	57#		T7474D2	8			MON	2.0%	80*	TTL	4	20	0.0	5.0	40nΔ	150m%	1.0 Δ	-55	125	2	B0836	M294							
	58#		TL7475N	8			MON	2.0%	80*	TTL	4	10	0.0	5.0	40nΔ	278m%		0	70	2	B0625	M117u							
	59#		TL8475N	8			MON	2.0%	80*	TTL	4	10	0.0	5.0	40nΔ	278m%		-25	85	2	B0625	M117u							
	60		74LS574DC	8		35n%	MON	2.0%	80*	TTL	3	15	0.0	5.0	28nΔ	200mΔ		0	70	8	B08115	M633							
	61		74LS574PC	8		35n%	MON	2.0%	80*	TTL	3	15	0.0	5.0	28nΔ	200mΔ		0	70	8	B08115	M582							
	62		TRW7474	8		25m	MON	2.0%	80	TTL	4	20	0.0	7.0	24n	43m	1.0	0	70	2	B085								
	63		74LS564DC	8		35m%	MON	2.0%	80*	TTL	3	15	0.0	5.0	28nΔ	225mΔ		0	70	8	B08115	M633							
	64		RSN54L74H	8		1.0MΔ	MON	2.0%	80*	TTL	4		0.0	5.0	150nΔ	15m%		-55	125	2	B0846	FP69b							
	65		DM7510D	8		15M%	MON	2.0%	80*	TTL	4	10	0.0	5.0	45nΔ	130m%	1.0	-55	125	2	B0846	M146							
	66#		FJJ131	8		15MΔ	MON	2.0%	80*	TTL	4	10	0.0	5.0	40nΔ	85m%	400m	0	70	2	B0289	TO116							
	67#		FJJ136	8		15MΔ	MON	2.0%	80*	TTL	4	10	0.0	5.0	40nΔ	85m%	400m	-40	85	2	B0289	TO116							
	68#		GFB7474	8		15MΔ	MON	2.0%	80*	TTL	4	10	0.0	5.0	40nΔ	85m%	400m	0	70	2	B0289	TO116							
	69		PD7474	8		15MΔ	MON	2.0%	80*	TTL	4	20	0.0	5.0	50nΔ	43mΔ	1.0	0	75	2	B085	M105v							
	70#		5474-1-6A	8		20M%	MON	2.0%	80*	TTL	4	10	0.0	5.0	40nΔ	40m%		-55	125	2	B0816	M157							
	71#		7474-9-6A	8		20M%	MON	2.0%	80*	TTL	4	10	0.0	5.0	40nΔ	40m%		0	70	2	B0816	M157							
	72		RSN5474H	8		20MΔ	MON	2.0%	80*	TTL	4		0.0	5.0	150nΔ	140m%		-55	125	2	B0846	FP69b							
	73		TF80F	8		20M%	MON	2.0%	80*	TTL	4		0.0	5.0	28n	240m%	400m	-55	125	2									
	74																												

4. BINARY/FLIP-FLOPS

IN ORDER OF: (1)TYPE FLIP-FLOP (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF FLIP-FLOP	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN IN	OUT MAX.	POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME (tr)		MAX. FALL TIME (tf)		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS		OUTLINE Δ=MO		
					LEVEL	TYPE	3			4	2		NEG (V)	POS (V)	R	F			L	H		LOW °C	HI °C		DWG. No	DWG. No
1	US5474J	8	25MΔ	MON	2.0%	80*	TTL	4	10	0.0	5.0								-55	125	2	B0816	T088			
2	US7474A	8	25MΔ	MON	2.0%	80*	TTL	4	10	0.0	5.0								0	70	2	B0816	M105b			
3	US7474J	8	25MΔ	MON	2.0%	80*	TTL	4	10	0.0	5.0								0	70	2	B0816	T088			
4	WC7474D	8	25MΔ	MON	2.0%	80*	TTL	4	20	0.0	7.0	24n%							0	75	2	B085	M126b			
5	RSN54H74H	8	30MΔ	MON	2.0%	80*	TTL	4	20	0.0	5.0	150nΔ							-55	125	2	B0846	FP69b			
6	74H74FC	8	35M%	MON	2.0%	80*	TTL	4	20	0.0	5.0	30nΔ							0	70	2	B085	FP21h			
7	74LS564PC	8	35M%	MON	2.0%	80*	TTL	3	15	0.0	5.0	28nΔ							0	70	8	B08115	M582			
8#	74174PC	8	35M%	MON	2.0%	80*	TTL			0.0	5.0	35n							0	70	6	B08119	M562			
9#	74175PCΔ	8	35M%	MON	2.0%	80*	TTL			0.0	5.0	35n							0	70	4	B08120	M562			
10#	GJB74H74P	8	35M%	MON	2.0%	80*	TTL	4	10	0.0	5.0	30nΔ							0	70	2	B0836	M126n			
11#	GJJ131	8	35M%	MON	2.0%	80*	TTL	4	10	0.0	5.0	30nΔ							0	70	2	B0836	M126n			
12#	MIC74H74J	8	35M%	MON	2.0%	80*	TTL	4	20	0.0	5.0	30nΔ							0	75	2	B085	M157			
13	N74H74A	8	35MΔ	MON	2.0%	80*	TTL	4	20	0.0	5.0	30nΔ							0	70	2	B0831	M318			
14	S54H74A	8	35MΔ	MON	2.0%	80*	TTL	4	20	0.0	5.0	30nΔ							-55	125	2	B0831	M318			
15	SN54H74N	8	35M%	MON	2.0%	80*	TTL	4	20	0.0	5.0	30nΔ							-55	125	2	B085	M126a			
16	SN74H74W	8	35M%	MON	2.0%	80*	TTL	4	20	0.0	5.0	30nΔ							0	70	2	B085	T084			
17	TF90F	8	35M%	MON	2.0%	80*	TTL	4		0.0	5.0	20n							-55	125	2					
18	TF90J	8	35M%	MON	2.0%	80*	TTL	4		0.0	5.0	20n							-55	125	2					
19	TF91F	8	35M%	MON	2.0%	80*	TTL	4		0.0	5.0	20n							-55	125	2					
20	TF91J	8	35M%	MON	2.0%	80*	TTL	4		0.0	5.0	20n							-55	125	2					
21	TF92F	8	35M%	MON	2.0%	80*	TTL	4		0.0	5.0	20n							-55	125	2					
22	TF92J	8	35M%	MON	2.0%	80*	TTL	4		0.0	5.0	20n							-55	125	2					
23	TF93F	8	35M%	MON	2.0%	80*	TTL	4		0.0	5.0	20n							-55	125	2					
24	TF93J	8	35M%	MON	2.0%	80*	TTL	4		0.0	5.0	20n							-55	125	2					
25	Am28120	8	40MΔ	MON	2.0%	80*	TTL			0.0	5.0	35n							0	70	8	B08131	M105af			
26	US54H74A	8	40MΔ	MON	2.0%	80*	TTL	4	20	0.0	5.0	30nΔ	10n	10n					-55	125	2	B0831	T088			
27	US54H74J	8	40MΔ	MON	2.0%	80*	TTL	4	20	0.0	5.0	30nΔ	10n	10n					-55	125	2	B0831	T088			
28	US74H74A	8	40MΔ	MON	2.0%	80*	TTL	4	20	0.0	5.0	30nΔ	10n	10n					0	70	2	B0831	M105af			
29	US74H74J	8	40MΔ	MON	2.0%	80*	TTL	4	20	0.0	5.0	30nΔ	10n	10n					0	70	2	B0831	T088			
30	SN74LS374N#	8	50M%	MON	2.0%	80*	TTL	4	20	0.0	5.0								0	70	8	B08142	M683			
31	SN74S374N#	8	50M%	MON	2.0%	80*	TTL			0.0	5.0								0	70	8	B08142	M683			
32	SN54S174N	8	75MΔ	MON	2.0%	80*	TTL	8	10	0.0	5.0	13n%							-55	125	6	B0866	M117			
33	SN54S175N	8	75MΔ	MON	2.0%	80*	TTL	6	10	0.0	5.0	13n%							-55	125	4	B0849	M117			
34	SN74S174W	8	75MΔ	MON	2.0%	80*	TTL	8	10	0.0	5.0	13n%							0	70	6	B0866	Δ004AG			
35	SN74S175W	8	75MΔ	MON	2.0%	80*	TTL	6	10	0.0	5.0	13n%							0	70	4	B0849	Δ004AG			
36	N74S74A	8	90M%	MON	2.0%	80*	TTL	4	20	0.0	5.0	8.0n							0	70	2	B0846	M318			
37	S54S74A	8	90M%	MON	2.0%	80*	TTL	4	20	0.0	5.0	8.0n							0	70	2	B0846	M318			
38	74S74FC	8	110M%	MON	2.0%	80*	TTL	4	20	0.0	5.0	9.0nΔ							0	70	2	B0836	FP21h			
39	SN54S74N	8	110M%	MON	2.0%	80*	TTL	4	20	0.0	5.0	9.0nΔ							-55	125	2	B0836	M126e			
40	SN54S174J	8	110M%	MON	2.0%	80*	TTL			0.0	5.0	10n	7.0n						55	125	6	B08130	M356			
41	SN54S174W	8	110M%	MON	2.0%	80*	TTL			0.0	5.0	10n	7.0n						55	125	6	B08130	FP101C			
42	SN54S175J	8	110M%	MON	2.0%	80*	TTL			0.0	5.0	10n	7.0n						55	125	4	B08129	M356			
43	SN54S175W	8	110M%	MON	2.0%	80*	TTL			0.0	5.0	10n	7.0n						55	125	4	B08129	FP101c			
44	SN74S74W	8	110M%	MON	2.0%	80*	TTL	4	20	0.0	5.0	9.0nΔ							0	70	2	B0836	Δ004AA			
45	SN74S174J	8	110M%	MON	2.0%	80*	TTL			0.0	5.0	10n	7.0n						0	70	6	B08130	M356			
46	SN74S174N	8	110M%	MON	2.0%	80*	TTL			0.0	5.0	10n	7.0n						0	70	6	B08130	M357			
47	SN74S175J	8	110M%	MON	2.0%	80*	TTL			0.0	5.0	10n	7.0n						0	70	4	B08129	M356			
48	SN74S175N	8	110M%	MON	2.0%	80*	TTL			0.0	5.0	10n	7.0n						0	70	4	B08129	M357			
49	TF54S74F	8	110M%	MON	2.0%	80*	TTL	4	20	0.0	5.0	9.0nΔ							-55	125	2	B0846	T086			
50	TF54S74J	8	110M%	MON	2.0%	80*	TTL	4	20	0.0	5.0	9.0nΔ							-55	125	2	B0846	M157c			
51	TF74S74F	8	110M%	MON	2.0%	80*	TTL	4	20	0.0	5.0	9.0nΔ							0	70	2	B0846	T086			
52	TF74S74J	8	110M%	MON	2.0%	80*	TTL	4	20	0.0	5.0	9.0nΔ							0	70	2	B0846	M157c			
53	MC3153L	8	MON	2.4%	.40*	TTL	10	10	0.0	5.0									-55	125	1	B0828	TO116			
54	RDT54H74R	8	40%	MON	2.4%	.40*	TTL	4	10	0.0	8	25nΔ							-55	125	2	B085	T086			
55	HDT54H74R	8	40M%	MON	2.4%	.40*	TTL	4	10	0.0	8.0	25nΔ							-55	125	2	B085	T086			
56	MC3053LP%	8	MON	2.5%	.40*	TTL	10	10	0.0	5.0									0	75	1	B0828	TO116			
57	54R74	8	80M	MON	2.7	.40	TTL	4	10	0.0	5.0	15n							-55	125						
58	74R74	8	80M	MON	2.8	.40	TTL	4	10	0.0	5.0	15n							0	75						
59#	T110B1	8	15MΔ	MON	3.0	.20	TTL	4	10	0.0	5.0	40nΔ							0	75	2	B0827	M126u			
60#	T110D1	8	15MΔ	MON	3.0	.20	TTL	4	10	0.0	5.0	40nΔ							0	75	2	B0827	M294			
61#	T110F1	8	15MΔ	MON	3.0	.20	TTL	4	10	0.0	5.0	40nΔ							0	75	2	B0827	FP28g			
62	TF3512P	8	50M%	MON	3.0%	.41*	TTL	9	15	0	7	25n							0	75	1	B083	FP21c			
63	TF3512P	8	50M%	MON	3.0%	.41*	TTL	9	15	0	7	25n							0	75	1	B083	TO116			
64	TF3514F	8	50M%	MON	3.0%	.41*	TTL	9	15	0	7	25n							0	75	1	B083	FP21c			
65	TF3514P	8	50M%	MON	3.0%	.41*	TTL	9	15	0	7	25n							0	75	1	B083	TO116			
66	TRWF90#1	8	MON	3.3	.26	TTL	4	10	0.0	5.0	15n	2.0	2.0						-55	125						
67	TRWF90#2	8	MON	3.3	.26	TTL	4	10	0.0	5.0	15n	2.0	2.0						-55	125						
68	CD4013E	8	3.6MΔ	MOS	10	.01*	TTL	4	50	0.0	10	385nΔ	5.0u	5.0u					-40	80	2	B0830	Δ001AC			
69	CD4013	8	3.6MΔ	MOS	10	.01*	TTL	4	50	0.0	10	190n%	5.0u	5.0u					-55	125	2	B0823	Δ004AF			
70	CD4013D	8	3.6MΔ	MOS	10	.01*	TTL	4	50	0.0	10	190n%	5.0u	5.0u					-55	125	2	B0823	Δ001AD			
71	SCL4013D	8	3.6MΔ	MOS	10	.01*	TTL	4	50	0.0	10	1.6uΔ	5.0u	5.0u					-55	125	2	B0830	TO116			
72	SCL4013F	8	3.6MΔ	MOS	10	.01*	TTL	4	50	0.0	10	1.6uΔ	5.0u	5.0u					-55	125	2	B0830	T086			
73	CD4003	8	4.0M%	MOS	10†	.011*	TTL	2	50	0</																

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN OUT		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	RISE TIME tr (s)	FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					LEVEL	TYPE	IN	OUT MAX.	NEG. (V)	POS. (V)	LOW						HI	LOGIC DWG. No		OUTLINE DWG. No Δ=MO	
																					'1' (V)
1	CTuL964			MON	2.5	-.50	CTL	3†	15	20	4.5	3.0n					15	55	3		
2	CTuL965			MON	2.5	-.50	CTL	1	15	20	4.5	3.0n					15	55	4		
3	MTG4			PCB	2.0%	.95*	DTL	1	27	0	5	100n			1.0	1.0	0	70	16		CB37c
4	IPG2267		5.0M	PCB	2.0%	1.1*	DTL	2	2	0.0	5.0	110nΔ			850m	500m	0	75	4		CB51
5	RM246		5.0M	MON	3.5	.60	DTL	2	11	0.0	6.0	38n	46n	21n	36m	550m	-55	125	4		TO84
6#	7460-1-6A			MON	2.0%	.80*	TTL	4	4	0.0	5.0	25nΔ			4.0mΔ	1.0 Δ	0	70	2		M157
7	MTG20		3.0M	PCB	2.0%	.95*	TTL	1	10	0.0	5.0	20n			200m	1.0	0	70	16		CB37c
8	25LS23W		50m	MON	2.7%	0.4*	TTL	1	10	0.0	5.0	19n%			190m	1.0	T7	0	75	2	G04521
9#	H109			MON			TTL	5Δ				85n			160m†						M105e
10	DC50CSAN3		50M	PCB	3.0	0.0		3	4	12	12	9.0n	7.0n	10n	1.0	1.0	-10	100	4		
11	DC50CSAN8		50M	PCB	3.0	0.0		8	4	12	12	9.0n	7.0n	10n	1.0	1.0	-10	100	2		
12	DC50CSSN4		50M	PCB	3.0	0.0		2	4	12	12	9.0n	7.0n	10n	1.0	1.0	-10	100	8		
13	DC50MSAN3		50M	PCM	3.0	0.0		3	4	12	12	9.0n	7.0n	10n	1.0	1.0	-10	100	2		
14	DC50MSAN8		50M	PCM	3.0	0.0		8	4	12	12	9.0n	7.0n	10n	1.0	1.0	-10	100	1		
15	DC50MSSN4		50M	PCM	3.0	0.0		2	4	12	12	9.0n	7.0n	10n	1.0	1.0	-10	100	4		G011a
16	LU305				3.3	.60		6	10	0.0	4.5	35n%			5.0mΔ		10	55	1		CN17
17	LU306				3.3	.60		3	10	0.0	4.5	35n%			5.0mΔ		10	55	2		CN17
18	DC01CSAN3		20k	PCB	6.0	0.0		3	4	12	12	500n	1.0u	1.0u	1.0	1.0	-55	100	4		G013a
19	DC01CSAN8		20k	PCB	6.0	0.0		8	4	12	12	500n	1.0u	1.0u	1.0	1.0	-55	100	2		
20	DC01CSXAN3		20k	PCB	6.0	0.0		3	4	12	12	500n	1.0u	1.0u	1.0	1.0	-55	100	4		
21	DC01CSXAN8		20k	PCB	6.0	0.0		8	4	12	12	500n	1.0u	1.0u	1.0	1.0	-55	100	2		G011a
22	DC01MSAN3		20k	PCM	6.0	0.0		3	4	12	12	500n	1.0u	1.0u	1.0	1.0	-55	100	2		
23	DC01MSAN8		20k	PCM	6.0	0.0		8	4	12	12	500n	1.0u	1.0u	1.0	1.0	-55	100	1		
24	DC2CSAN3		2.0M	PCB	6.0	0.0		3	6	18	18	50n	150n	250n	1.2	1.2	-55	100	4		
25	DC2CSAN8		2.0M	PCB	6.0	0.0		8	6	18	18	50n	150n	250n	1.2	1.2	-55	100	2		
26	DC2CSSN4		2.0M	PCB	6.0	0.0		2	6	18	18	50n	150n	250n	1.2	1.2	-55	100	8		
27	DC2MSAN3		2.0M	PCM	6.0	0.0		3	6	18	18	50n	150n	250n	1.2	1.2	-55	100	2		
28	DC2MSAN8		2.0M	PCM	6.0	0.0		8	6	18	18	50n	150n	250n	1.2	1.2	-55	100	4		G011a
29	DC2MSSN4		2.0M	PCM	6.0	0.0		2	6	18	18	50n	150n	250n	1.2	1.2	-55	100	1		G0131
30	11G2321		200k	PCB	8.2	0.0		4	4	0.0	28	500n	200n				85	6			CB49
31	11G3372		200k	PCB	8.2	0.0		2	7	0.0	28	500n	1.0u				85	10			CB49
32	T612		10k	3DM	-3.0	-1.1		3	4	12	12	1.5u	3.5u	5.0u	1.0	1.0	-55	55	4		M17
33	DC01CAN3		20k	PCB	-6.0	0.0		8	4	12	12	1.5u	3.5u	5.0u	1.0	1.0	-55	55	2		
34	DC01CAN8		20k	PCB	-6.0	0.0		3	4	12	12	1.5u	3.5u	5.0u	1.0	1.0	-55	55	4		
35	DC01CXAN3		20k	PCB	-6.0	0.0		8	4	12	12	1.5u	3.5u	5.0u	1.0	1.0	-55	55	2		
36	DC01CXAN8		20k	PCB	-6.0	0.0		3	4	12	12	1.5u	3.5u	5.0u	1.0	1.0	-55	55	4		
37	DC01MAN3		20k	PCM	-6.0	0.0		3	4	12	12	1.5u	3.5u	5.0u	1.0	1.0	-55	55	2		
38	DC01MAN8		20k	PCM	-6.0	0.0		8	4	12	12	1.5u	3.5u	5.0u	1.0	1.0	-55	55	1		
39	MG31-62		50k	PCB	-6.0	0.0		4	4	12	12	500n					0	50	8		CB26
40	DC1CAN3		100k	PCB	-6.0	0.0		3	6	18	18	1.0u	1.5u	3.0u	1.2	1.2	-55	55	4		
41	DC1CAN8		100k	PCB	-6.0	0.0		8	6	18	18	1.0u	1.5u	3.0u	1.2	1.2	-55	55	2		
42	DC1CSN4		100k	PCB	-6.0	0.0		2	6	18	18	1.0u	1.5u	3.0u	1.2	1.2	-55	55	8		
43	DC1MAN3		100k	PCM	-6.0	0.0		3	6	18	18	1.0u	1.5u	3.0u	1.2	1.2	-55	55	2		
44	DC1MAN8		100k	PCM	-6.0	0.0		8	6	18	18	1.0u	1.5u	3.0u	1.2	1.2	-55	55	1		
45	DC1MSN4		100k	PCM	-6.0	0.0		2	6	18	18	1.0u	1.5u	3.0u	1.2	1.2	-55	55	4		G011a
46	DC2CAN3		2.0M	PCB	-6.0	0.0		3	6	18	18	50n	150n	250n	1.2	1.2	-55	55	4		
47	DC2CAN8		2.0M	PCB	-6.0	0.0		8	6	18	18	50n	150n	250n	1.2	1.2	-55	55	2		
48	DC2CSN4		2.0M	PCB	-6.0	0.0		2	6	18	18	50n	150n	250n	1.2	1.2	-55	55	8		
49	DC2MAN3		2.0M	PCM	-6.0	0.0		3	6	18	18	50n	150n	250n	1.2	1.2	-55	55	2		
50	DC2MAN8		2.0M	PCM	-6.0	0.0		8	6	18	18	50n	150n	250n	1.2	1.2	-55	55	1		
51	DC2MSN4		2.0M	PCM	-6.0	0.0		2	6	18	18	50n	150n	250n	1.2	1.2	-55	55	4		G011a
52	LCE208		2.0M	MOH	-6.0	0.0†		3	4	12	12	6	20n				-10	55	4		CN27
53	DC10CAN3		10M	PCB	-6.0	0.0		3	4	18	18	25n	50n	80n	1.2	1.2	-55	55	4		
54	DC10CAN8		10M	PCB	-6.0	0.0		8	4	18	18	25n	50n	80n	1.2	1.2	-55	55	2		
55	DC10CSN4		10M	PCB	-6.0	0.0		2	4	18	18	25n	50n	80n	1.2	1.2	-55	55	8		
56	DC10MAN3		10M	PCM	-6.0	0.0		3	4	18	18	25n	50n	80n	1.2	1.2	-55	55	2		
57	DC10MAN8		10M	PCM	-6.0	0.0		8	4	18	18	25n	50n	80n	1.2	1.2	-55	55	1		
58	DC10MSN4		10M	PCM	-6.0	0.0		2	4	18	18	25n	50n	80n	1.2	1.2	-55	55	4		G011a
59#	M58204P			MOS	9.0%	-3.5*		4†		30	.30	1.2u%			35m†	2.0 Δ	-10	75	4		G01199
60#	M58206P			MOS	9.0%	-3.5*		3†		30	.30	1.2u%			70m†	2.0 Δ	-10	75	4		M153b
61	HD1-4081B2			MOS	10	0.0				0.0	15	65n%	170n	130n	10u	3.0	-55	125	4		
62	HD1-4081B9			MOS	10	0.0				0.0	15	65n%	170n	130n	100u	3.0	-40	85	4		
63	HD9-4081B2			MOS	10	0.0				0.0	15	65n%	170n	130n	10u	3.0	-55	125	4		
64	HD9-4081B9			MOS	10	0.0				0.0	15	65n%	170n	130n	100u	3.0	-40	85	4		
65	MEM1014			MOS	-10%	-2*		2		30	.30	250n			125m	1.0 *	-55	85	4		G01176
66#	GDH106			MOS	-10%	-2.0*		2		-27	-13						-55	85	4		FP47
67	EM2617		1.0M	3DM	0.0	.60	CDL	3		0	0		50n				-55	71	2		FP47d
68	EM5008		100k	3DM	0.0	.60	CDL	2	1	0.0	0.0						-55	70	5		M62b
69	EM5009		100k	3DM	0.0	.60	CDL	2	1	0.0	0.0						-55	70	4		M62c
70	EM2517		250k	3DM	0.0	.60	CDL	3		0.0	0.0						-55	71	2		M62b
71	MMS2002		15M	CDL	2.5	.25	CDL	2		0			200n				-55	125	2		FP13
72	MMAO2003		15M	CDL	2.5	.50†	CDL	6		0	3	10n					-55	125	1		FP13
73	8120		30M	PCB	0.0Δ	-1.5Δ	CML	6	12	15	10	5.0n			3.4	600m	-20	55	2		CB30b
74	TP4073BN			MOS	7.0%	3.0*	CMS	3	6E	0.0	10				20u%	2.0 *	-40	85	3		G01262
75	TP4081BN			MOS	7.0%	3.0*	CMS	2	6E	0.0	10				20u%	2.0 *	-40	85	4		TO116
76	TP4082BN			MOS	7.0%	3.0*	CMS	4	6E	0.0	10				20u%	2.0 *	-40	85	2		TO116
77	SCL4073BD			MOS	9.95%	.05†*	CMS	3													

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	6] TYPE No.	1] TYPE OF GATE	5] MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN OUT		POWER SUPPLY SPAN		PROPA-GATION DELAY (s)	MAX.		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					3] LEVEL	4] '0' (V)	2] TYPE	IN	OUT MAX.	NEG. (V)	POS. (V)		RISE TIME tr (s)	FALL TIME tf (s)			LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=MO
1	JANM38510/17001BCC	1	100k	MOS	11%	4.0*	CMS	2	13E	0.0	15	120n			200m		-55	125	4	G01260	M314
2	JANM38510/17001CCA	1	100k	MOS	11%	4.0*	CMS	2	13E	0.0	15	120n			200m		-55	125	4	G01260	M314
3	JANM38510/17001CCC	1	100k	MOS	11%	4.0*	CMS	2	13E	0.0	15	120n			200m		-55	125	4	G01260	M314
4	JANM38510/17002CCA	1	100k	MOS	11%	4.0*	CMS	4	13E	0.0	15	120n			200m		-55	125	2	G01261	M314
5	JANM38510/17002CCC	1	100k	MOS	11%	4.0*	CMS	4	13E	0.0	15	120n			200m		-55	125	2	G01261	M314
6	JANM38510/17003CCA	1	100k	MOS	11%	4.0*	CMS	3	13E	0.0	15	120n			200m		-55	125	3	G01262	M314
7	JANM38510/17003CCC	1	100k	MOS	11%	4.0*	CMS	3	13E	0.0	15	120n			200m		-55	125	3	G01262	M314
8	CTuL956	1	30M	MOS	2.5	.50	CTL	2	25	2.0	4.5	15n			160m	500m	-55	15	5	G01114	M54
9	GA327	1	100k	PCB	-6.0	0.0	DCT	3	1	12	0.0	100n	600n	1.4u	960m		-55	71	6		CB16
10	8207	1		TFH			DDL	5		0	6					-55	100	3	G0116	M7	
11	8208	1		TFH			DDL	3		0	6					-55	100	4	G0115	M7	
12	8209	1		TFH			DDL	3		0	6					-55	100	3	G0114	M7	
13	8210	1		TFH			DDL	6		0	6					-55	100	2	G0113	M7	
14	MC1111	1	50M	MOH			DDL	4			6				200m	-55	125	2	G0123	CN9	
15	MC1112	1	50M	MOH			DDL	2							300m	-55	125	3	G0124	CN9	
16	MC1113	1	50M	MOH			DDL	2							400m	-55	125	3	G0125	CN9	
17	MC1114	1	50M	MOH			DDL	8							100m	-55	125	1	G0126	CN9	
18	MMCA2004	1	15M		2.5	.25	DDL	3		0	3	10n			350m	-55	125	2	G0198	FP13	
19	MMAO2005	1	15M		2.5	.50	DDL	3		0	3	10n			350m	-55	125	2	G0199	FP13	
20	DBAO1031ZA	1	1.0M		6.0	1.0	DDL	12		0.0	12	10n	10n	10n	350m	0	50	3	G013m	M52	
21	DBAO1031ZAN	1	1.0M		6.0	1.0	DDL	12		0.0	12	10n	10n	10n	350m	0	50	3	G013m	MP52a	
22	DBAO1031ZB	1	1.0M		6.0	1.0	DDL	12		0.0	12	10n	10n	10n	350m	-20	75	3	G013m	M52	
23	DBAO1031ZBN	1	1.0M		6.0	1.0	DDL	12		0.0	12	10n	10n	10n	350m	-20	75	3	G013m	MP52a	
24	DBAO1031ZC	1	1.0M		6.0	1.0	DDL	12		0.0	12	10n	10n	10n	350m	-40	100	3	G013m	M52	
25	DBAO1031ZCN	1	1.0M		6.0	1.0	DDL	12		0.0	12	10n	10n	10n	350m	-40	100	3	G013m	MP52a	
26	DBAO1031ZD	1	1.0M		6.0	1.0	DDL	12		0.0	12	10n	10n	10n	350m	-55	125	3	G013m	M52	
27	DBAO1031ZDN	1	1.0M		6.0	1.0	DDL	12		0.0	12	10n	10n	10n	350m	-55	125	3	G013m	MP52a	
28	DBAO1032ZA	1	1.0M		6.0	1.0	DDL	11		0.0	12	10n	10n	10n	350m	0	50	4	G0194	M52	
29	DBAO1032ZAN	1	1.0M		6.0	1.0	DDL	11		0.0	12	10n	10n	10n	350m	0	50	4	G0194	MP52a	
30	DBAO1032ZB	1	1.0M		6.0	1.0	DDL	11		0.0	12	10n	10n	10n	350m	-20	75	4	G0194	M52	
31	DBAO1032ZBN	1	1.0M		6.0	1.0	DDL	11		0.0	12	10n	10n	10n	350m	-20	75	4	G0194	MP52a	
32	DBAO1032ZC	1	1.0M		6.0	1.0	DDL	11		0.0	12	10n	10n	10n	350m	-40	100	4	G0194	M52	
33	DBAO1032ZCN	1	1.0M		6.0	1.0	DDL	11		0.0	12	10n	10n	10n	350m	-40	100	4	G0194	MP52a	
34	DBAO1032ZD	1	1.0M		6.0	1.0	DDL	11		0.0	12	10n	10n	10n	350m	-55	125	4	G0194	M52	
35	DBAO1032ZDN	1	1.0M		6.0	1.0	DDL	11		0.0	12	10n	10n	10n	350m	-55	125	4	G0194	MP52a	
36	DBAO1034ZA	1	1.0M		6.0	1.0	DDL	7		0.0	12	10n	10n	10n	350m	0	50	7	G0195	M52	
37	DBAO1034ZAN	1	1.0M		6.0	1.0	DDL	7		0.0	12	10n	10n	10n	350m	0	50	7	G0195	MP52a	
38	DBAO1034ZB	1	1.0M		6.0	1.0	DDL	7		0.0	12	10n	10n	10n	350m	-20	75	7	G0195	M52	
39	DBAO1034ZBN	1	1.0M		6.0	1.0	DDL	7		0.0	12	10n	10n	10n	350m	-20	75	7	G0195	MP52a	
40	DBAO1034ZC	1	1.0M		6.0	1.0	DDL	7		0.0	12	10n	10n	10n	350m	-40	100	7	G0195	M52	
41	DBAO1034ZCN	1	1.0M		6.0	1.0	DDL	7		0.0	12	10n	10n	10n	350m	-40	100	7	G0195	MP52a	
42	DBAO1034ZD	1	1.0M		6.0	1.0	DDL	7		0.0	12	10n	10n	10n	350m	-55	125	7	G0195	M52	
43	DBAO1034ZDN	1	1.0M		6.0	1.0	DDL	7		0.0	12	10n	10n	10n	350m	-55	125	7	G0195	MP52a	
44	DCAO1031ZA	1	1.0M		6.0	1.0	DDL	12		0.0	12	10n	10n	10n	350m	0	50	3	G013m	CB29	
45	DCAO1031ZAN	1	1.0M		6.0	1.0	DDL	12		0.0	12	10n	10n	10n	350m	-20	75	3	G013m	CB29	
46	DCAO1031ZB	1	1.0M		6.0	1.0	DDL	12		0.0	12	10n	10n	10n	350m	-40	100	3	G013m	CB29	
47	DCAO1031ZBN	1	1.0M		6.0	1.0	DDL	12		0.0	12	10n	10n	10n	350m	-55	125	3	G013m	CB29	
48	DCAO1031ZC	1	1.0M		6.0	1.0	DDL	12		0.0	12	10n	10n	10n	350m	0	50	4	G0194	CB29	
49	DCAO1031ZCN	1	1.0M		6.0	1.0	DDL	11		0.0	12	10n	10n	10n	350m	-20	75	4	G0194	CB29	
50	DCAO1031ZD	1	1.0M		6.0	1.0	DDL	11		0.0	12	10n	10n	10n	350m	-40	100	4	G0194	CB29	
51	DCAO1031ZDN	1	1.0M		6.0	1.0	DDL	11		0.0	12	10n	10n	10n	350m	-55	125	4	G0194	CB29	
52	DCAO1032ZA	1	1.0M		6.0	1.0	DDL	7		0.0	12	10n	10n	10n	350m	0	50	7	G0195	CB29	
53	DCAO1032ZAN	1	1.0M		6.0	1.0	DDL	7		0.0	12	10n	10n	10n	350m	0	50	7	G0195	CB29	
54	DCAO1032ZB	1	1.0M		6.0	1.0	DDL	7		0.0	12	10n	10n	10n	350m	-20	75	7	G0195	CB29	
55	DCAO1032ZBN	1	1.0M		6.0	1.0	DDL	7		0.0	12	10n	10n	10n	350m	-40	100	7	G0195	CB29	
56	DCAO1032ZC	1	1.0M		6.0	1.0	DDL	7		0.0	12	10n	10n	10n	350m	-55	125	7	G0195	CB29	
57	DCAO1032ZCN	1	1.0M		6.0	1.0	DDL	12		0.0	12	10n	10n	10n	350m	0	50	3	G013m	M52	
58	DCAO1032ZDN	1	1.0M		6.0	1.0	DDL	12		0.0	12	10n	10n	10n	350m	0	50	3	G013m	MP52a	
59	DCAO1034ZA	1	1.0M		6.0	1.0	DDL	12		0.0	12	10n	10n	10n	350m	-20	75	3	G013m	M52	
60	DCAO1034ZAN	1	1.0M		6.0	1.0	DDL	12		0.0	12	10n	10n	10n	350m	-20	75	3	G013m	MP52a	
61	DCAO1034ZB	1	1.0M		6.0	1.0	DDL	12		0.0	12	10n	10n	10n	350m	-40	100	3	G013m	M52	
62	DCAO1034ZBN	1	1.0M		6.0	1.0	DDL	12		0.0	12	10n	10n	10n	350m	-40	100	3	G013m	MP52a	
63	DCAO1034ZC	1	1.0M		6.0	1.0	DDL	12		0.0	12	10n	10n	10n	350m	-55	125	3	G013m	M52	
64	DCAO1034ZCN	1	1.0M		6.0	1.0	DDL	11		0.0	12	10n	10n	10n	350m	-55	125	3	G013m	MP52a	
65	DCAO1034ZD	1	1.0M		6.0	1.0	DDL	11		0.0	12	10n	10n	10n	350m	0	50	4	G0194	M52	
66	DCAO1034ZDN	1	1.0M		6.0	1.0	DDL	11		0.0	12	10n	10n	10n	350m	0	50	4	G0194	MP52a	
67	DCAO1032YA	1	1.0M		6.0	1.0	DDL	11		0.0	12	10n	10n	10n	350m	-20	75	4	G0194	M52	
68	DCAO1032YAN	1	1.0M		6.0	1.0	DDL	11		0.0	12	10n	10n	10n	350m	-20	75	4	G0194	MP52a	
69	DCAO1032YB	1	1.0M		6.0	1.0	DDL	11		0.0	12	10n	10n	10n	350m	-40	100	4	G0194	M52	
70	DCAO1032YBN	1	1.0M		6.0	1.0	DDL	11		0.0	12	10n	10n	10n	350m	-40	100	4	G0194	MP52a	
71	DCAO1032YC	1	1.0M		6.0	1.0	DDL	11		0.0	12	10n	10n	10n	350m	-55	125	4	G0194	M52	
72	DCAO1032YCN	1	1.0M		6.0	1.0	DDL	11		0.0	12	10n	10n	10n	350m	-55	125	4	G0194	MP52a	
73	DCAO1032YD	1	1.0M		6.0	1.0	DDL	11		0.0	12	10n	10n	10n	350m	0	50	7	G0195	M52	
74	DCAO1032YDN	1	1.0M		6.0	1.0	DDL	11		0.0	12	10n	10n	10n	350m	0	50	7	G0195	MP52a	
75	DCAO1034YA	1	1.0M		6.0																

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL			FAN IN		POWER SUPPLY		PROPAGATION DELAY (s)	MAX. RISE TIME		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					3	4	2	IN	OUT	NEG. (V)	POS. (V)		tr (s)	tf (s)			LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=MO
1	DBAO1032XC	1	10M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	-40	100	4	G0194	M52		
2	DBAO1032XC	1	10M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	-40	100	4	G0194	MP52a		
3	DBAO1032XD	1	10M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	-55	125	4	G0194	M52		
4	DBAO1032XD	1	10M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	-55	125	4	G0194	MP52a		
5	DBAO1034XA	1	10M		6.0	1.0†	DDL	7	0.0	12	10n	10n	10n	350m	0	50	7	G0195	M52		
6	DBAO1034XAN	1	10M		6.0	1.0†	DDL	7	0.0	12	10n	10n	10n	350m	0	50	7	G0195	MP52a		
7	DBAO1034XB	1	10M		6.0	1.0†	DDL	7	0.0	12	10n	10n	10n	350m	-20	75	7	G0195	M52		
8	DBAO1034XBN	1	10M		6.0	1.0†	DDL	7	0.0	12	10n	10n	10n	350m	-20	75	7	G0195	MP52a		
9	DBAO1034XC	1	10M		6.0	1.0†	DDL	7	0.0	12	10n	10n	10n	350m	-40	100	7	G0195	M52		
10	DBAO1034XC	1	10M		6.0	1.0†	DDL	7	0.0	12	10n	10n	10n	350m	-40	100	7	G0195	MP52a		
11	DBAO1034XD	1	10M		6.0	1.0†	DDL	7	0.0	12	10n	10n	10n	350m	-55	125	7	G0195	M52		
12	DBAO1034XD	1	10M		6.0	1.0†	DDL	7	0.0	12	10n	10n	10n	350m	-55	125	7	G0195	MP52a		
13	DCAO1031XA	1	10M		6.0	1.0†	DDL	12	0.0	12	10n	10n	10n	350m	0	50	3	G013m	CB29		
14	DCAO1031XB	1	10M		6.0	1.0†	DDL	12	0.0	12	10n	10n	10n	350m	-20	75	3	G013m	CB29		
15	DCAO1031XC	1	10M		6.0	1.0†	DDL	12	0.0	12	10n	10n	10n	350m	-40	100	3	G013m	CB29		
16	DCAO1031XD	1	10M		6.0	1.0†	DDL	12	0.0	12	10n	10n	10n	350m	-55	125	3	G013m	CB29		
17	DCAO1032XA	1	10M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	0	50	4	G0194	CB29		
18	DCAO1032XB	1	10M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	-20	75	4	G0194	CB29		
19	DCAO1032XC	1	10M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	-40	100	4	G0194	CB29		
20	DCAO1032XD	1	10M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	-55	125	4	G0194	CB29		
21	DCAO1034XA	1	10M		6.0	1.0†	DDL	7	0.0	12	10n	10n	10n	350m	0	50	7	G0195	CB29		
22	DCAO1034XB	1	10M		6.0	1.0†	DDL	7	0.0	12	10n	10n	10n	350m	-20	75	7	G0195	CB29		
23	DCAO1034XC	1	10M		6.0	1.0†	DDL	7	0.0	12	10n	10n	10n	350m	-40	100	7	G0195	CB29		
24	DCAO1034XD	1	10M		6.0	1.0†	DDL	7	0.0	12	10n	10n	10n	350m	-55	125	7	G0195	CB29		
25	B853	1	1.0k	PCB	-6.0	0.0	DDL	3								-15	60	2	G01115	CB22	
26	B893000	1	100k	3DM	-6.0	0.0	DDL	3	6.0	0.0						60	2	G013a	M4		
27	B893001	1	100k	3DM	-6.0	0.0	DDL	2	6.0	0.0						60	2	G013b	M4		
28	AG21-1	1	2.0M	3DM	12	0.0	DDL	3	5	0.0	12	10n	50n	20n	60m	2.0	-35	125	1	G01131c	M16
29	AG21-2	1	2.0M	3DM	12	0.0	DDL	3	5	0.0	12	10n	50n	20n	60m	2.0	-35	125	1	G01131a	M16
30	AG21-3	1	2.0M	3DM	12	0.0	DDL	9	5	0.0	12	10n	50n	20n	60m	2.0	-35	125	1	G01131	M16
31	AG22-1	1	2.0M	3DM	12	0.0	DDL	2	5	0.0	12	10n	50n	20n	120m	2.0	-35	125	2	G01131d	M16
32	AG22-2	1	2.0M	3DM	12	0.0	DDL	4	5	0.0	12	10n	50n	20n	120m	2.0	-35	125	2	G01131b	M16
33	AG23-1	1	2.0M	3DM	12	0.0	DDL	3	5	0.0	12	10n	50n	20n	180m	2.0	-35	125	3	G01131e	M16
34	AG24-1	1	2.0M	3DM	12	0.0	DDL	3	5	0.0	12	10n	50n	20n	240m	2.0	-35	125	2	G0162a	M16
35	AO21-1	1	2.0M	3DM	12	0.0	DDL	4	5	12	12	100n	50n	20n	100m	2.0	-35	125	1	G01132a	M15
36	AG11-1	1	100k	3DM	-12	0.0	DDL	3	6	12	0.0	100n	50n	100n	120m	2.0	-35	65	1	G0158a	M15
37	AG11-2	1	100k	3DM	-12	0.0	DDL	5	6	12	0.0	100n	50n	100n	120m	2.0	-35	65	1	G0158b	M15
38	AG11-3	1	100k	3DM	-12	0.0	DDL	9	6	12	0.0	100n	50n	100n	120m	2.0	-35	65	1	G0158c	M15
39	AG12-1	1	100k	3DM	-12	0.0	DDL	2	6	12	0.0	100n	50n	100n	240m	2.0	-35	65	1	G0159	M15
40	AG12-2	1	100k	3DM	-12	0.0	DDL	4	6	12	0.0	100n	50n	100n	240m	2.0	-35	65	1	G0160	M15
41	AG13-1	1	100k	3DM	-12	0.0	DDL	2	6	12	0.0	100n	50n	100n	360m	2.0	-35	65	1	G0161	M15
42	AG14-1	1	100k	3DM	-12	0.0	DDL	3	6	12	0.0	100n	50n	100n	480m	2.0	-35	65	1	G0162	M15
43	AO11-1	1	100k	3DM	-12	0.0	DDL	4	6	12	12	100n	100n	200n	260m	2.0	-35	65	1	G01132	M15
44	DM11-1	1	100k	3DM	-12	0.0	DDL	6	5	12	0.0	100n	50n	100n	400m	2.0	-35	65	1	G0129	M15
45	DM11-2	1	100k	3DM	-12	0.0	DDL	5	5	12	0.0	100n	50n	100n	400m	2.0	-35	65	1	G0130	M15
46	DM11-3	1	100k	3DM	-12	0.0	DDL	4	5	12	0.0	100n	50n	100n	400m	2.0	-35	65	1	G0131	M15
47	DM11-4	1	100k	3DM	-12	0.0	DDL	6	5	12	0.0	100n	50n	100n	400m	2.0	-35	65	1	G0132	M15
48	AG31-1	1	10M	3DM	-12	0.0	DDL	3	5	12		10n	10n	50n	120m	2.0	-35	65	1	G0158a	M15
49	AG32-1	1	10M	3DM	-12	0.0	DDL	2	5	12		10n	10n	50n	240m	2.0	-35	65	2	G0159	M15
50	G2B4	1		MON			DTL	3								-55	125	2	G013k	TO100	
51	G2B4P	1		MON			DTL	3								-55	125	2	G013k	TO91	
52	I254D3	1		MON			DTL	4Δ		8				100m		-55	125	2	G01100	CN41	
53	2254D3	1		MON			DTL	4Δ		8				100m		-55	125	2	G01100	FP19	
54	RG3180P	1		MON			DTL	4		0.0		1.0n			1.1	-55	125	2		M105k	
55	RG3390K	1		MON			DTL	5	11	0.0	5				1.1	-55	125	2		FP28	
56	RG3390P	1		MON			DTL	5	11	0.0	5				1.1	-55	125	2		M105k	
57	RG3392K	1		MON			DTL	5	9	0.0	5				1.1	0	75	2		FP28	
58	RG3392P	1		MON			DTL	5	9	0.0	5				1.1	0	75	2		M105k	
59	RG3400K	1		MON			DTL	2	11	0.0	5				1.1	-55	125	4		FP28	
60	RG3400P	1		MON			DTL	2	11	0.0	5				1.1	-55	125	4		M105k	
61	RG3402K	1		MON			DTL	2	9	0.0	5				1.1	0	75	4		FP28	
62	RG3402P	1		MON			DTL	2	9	0.0	5				1.1	0	75	4		M105k	
63	WS810Q	1		MON			DTL	7	10†	0.0	4.0			20m	250m	-55	125		G0171	FP37	
64	WS812Q	1		MON			DTL	7	10†	0.0	4.0			15m	250m	-55	125	1	G0171a	FP37	
65	WS814Q	1		MON			DTL	6	10†	0.0	4.0			20m	250m	-55	125	1	G0172	FP37	
66	PM7063	1	1.0M	3DM			DTL	6		6								1		ZB37	
67	LU306A	1		MON	.15%	.30*	DTL	3	10	0.0	5.0	15n		12m†	1.0	10	55	2	G0187b	TO116	
68	SW1906F	1		MON	1.8%	1.2*	DTL	2	8†	0.0	8.0	30n		80†	1.0	-55	125	4	G01210	TO86	
69	SW1906P	1		MON	1.8%	1.2*	DTL	2	8†	0.0	8.0	30n		80†	1.0	-55	125	4	G01210	M114	
70	SW1806F	1		MON	1.9%	1.2*	DTL	2	8†	0.0	8.0	30n		80m†	1.0	0	75	4	G01210	TO86	
71	SW1806M	1		MON	1.9%	1.2*	DTL	2	8†	0.0	8.0	30n		80m†	1.0	0	75	4	G01210	M105n	
72	SW1806P	1		MON	1.9%	1.2*	DTL	2	8†	0.0	8.0	30n		80m†	1.0	0	75	4	G01210	M114	
73	LU305K	1		MON	3.3	.60	DTL	6	10		5.5	25n%			15	55	1	G0187	CN17		
74	LU306K	1		MON	3.3	.60	DTL	3	10		5.5	25n%			15	55	2	G0187a	CN17		
75	SU305G	1		MON	3.3	.60	DTL	6	10		5.5	25n%			-20	85	1	G0187	TO91		
76	SU305K	1		MON	3.3	.60	DTL	6	10		5.5	25n%			-20	85	1	G0187	CN17		
77	SU306G	1		MON	3.3	.60	DT														

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	6] TYPE No.	1] TYPE OF GATE	5] MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN IN	OUT MAX.	POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME		TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS			
					3] LEVEL	4] TYPE	2] TYPE			NEG. (V)	POS. (V)		tr (s)	tf (s)			LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=MO		
																						'1' (V)	'0' (V)
1	T439	1	250k	3DM	-3.0	-1.1	DTL	3		12	12						54	71	1	G0153	M17		
2	T447	1	250k	3DM	-3.0	-1.1	DTL	2		12	12	400n	250n				-45	65	1	G0149	M17		
3	T448	1	250k	3DM	-3.0	-1.1	DTL	2		12	12	400n	400n				-45	65	2	G0145	M17		
4	T601	1	250k	3DM	-3.0	-1.1	DTL	8		12	12	400n	400n				-45	65	1	G0144	M17		
5	T613	1	250k	3DM	-3.0	-1.1	DTL	13		12	12	1.0u	1.0u				-45	65	1	G0142	M17		
6	T620	1	250k	3DM	-3.0	-1.1	DTL	3		12	12	1.0u	1.0u				-45	65	1	G0141	M17		
7	T621	1	250k	3DM	-3.0	-1.1	DTL	7		12	12	1.0u	1.0u				-45	65	1	G01126	M17		
8	T622	1	250k	3DM	-3.0	-1.1	DTL	10		12	12	1.0u	1.0u				-45	65	1	G0140	M17		
9	T627	1	250k	3DM	-3.0	-1.1	DTL	10		12	12	1.0u	1.0u				-45	65	1	G0140	M17		
10	T637	1	250k	3DM	-3.0	-1.1	DTL	2	1	12	12	200n	250n				-45	65	2	G0139	M17		
11	T318	1	1.0M	3DM	-3.0	-1.1	DTL	2		12	12	200n	20n				-55	71	1	G0152	M17		
12	B651	1	1.0k	PCB	-6.0	0.0	DTL	3	4	12	0.0				2.0		-15	60	2	G0169	CB22		
13	PM8343	1	250k	3DM	-6.5	0.0	DTL	5		18	6.0								1	G0174	ZB37		
14	PM8353	1	250k	3DM	-6.5	0.0	DTL	3		18	6.0								2	G0174a	ZB37		
15	PM8223	1	500k	3DM	-6.5	0.0	DTL			18	6.0								1		ZB37		
16	PM7663	1	1.0M	3DM	-6.5	0.0	DTL	5		18	6								1	G0176	ZB37		
17	PM7683	1	1.0M	3DM	-6.5	0.0	DTL	3		18	6								2	G0176a	ZB37		
18	PM7783	1	1.0M	3DM	-6.5	0.0	DTL	6		18	6								1		ZB37		
19	PM8383	1	1.0M	3DM	-6.5	0.0	DTL	5		18	6								1	G0175	ZB37		
20	PM8393	1	1.0M	3DM	-6.5	0.0	DTL	3		18	6								2	G0175a	ZB37		
21	PM9283	1	1.0M	3DM	-6.5	0.0	DTL	5		18	6								1		ZB37		
22	PM9583	1	1.0M	3DM	-6.5	0.0	DTL	6		18	6								1		ZB37		
23	PM10703	1	1.0M	3DM	-6.5	0.0	DTL	6		18	6								2		ZB37		
24	PM10713	1	1.0M	3DM	-6.5	0.0	DTL	4		18	6								1		ZB37		
25	A26M	1	200k	PCB	-10	0.0	DTL	2		12	0.0						100m		6	G0164	CB19		
26	A35M	1	200k	PCB	-10	0.0	DTL	3		12	0.0						80m		5	G0165	CB19		
27	A44M	1	200k	PCB	-10	0.0	DTL	4		12	0.0						60m		4	G0166	CB19		
28	GDG2-2	1	200k	PCB	-10	0.0	DTL	3†	10	12	0.0	10n	1.0u	1.0u			156m	2.0	8	G01136	CB15		
29	GGD1-2	1	200k	PCB	-10	0.0	DTL	3†	50	12	6.0	500n	300n	300n			3.7		10	G01148	CB15		
30	A26H	1	1.0M	PCB	-10	0.0	DTL	2		12	0.0						180m		6	G0164	CB19		
31	A35H	1	1.0M	PCB	-10	0.0	DTL	3		12	0.0						150m		5	G0165	CB19		
32	A44H	1	1.0M	PCB	-10	0.0	DTL	4		12	0.0						120m		0	G0166	CB19		
33	GDG2-1	1	1.0M	PCB	-10	0.0	DTL	3†	10	12	0.0	10n	250n	250n			156m		8	G01136	CB15		
34	GDG2-5	1	5.0M	PCB	-10	0.0	DTL	3†	10	12	0.0	10n	60n	60n			360m		0	G01136	CB15		
35	MC1047P	1		MON	-7.5%	-1.6*	ECT	2	25	5.2	0.0	5.0n	8.5n	8.5n			130m†		0	G043k	TO116		
36	MC1247F	1		MON	-7.5%	-1.6*	ECT	2	25	5.2	0.0	5.0n	8.5n	8.5n			130m†		-55	125	4	G043k	TO86
37	MC1247L	1		MON	-7.5%	-1.6*	ECT	2	25	5.2	0.0	5.0n	8.5n	8.5n			130m†		-55	125	4	G043k	TO116
38#	SP1047	1		MON	-7.5%	-1.6†	ECT	2	25	5.2	0.0	5.0n%					250m†		0	G013w	M257a		
39#	SP1247	1		MON	-7.5%	-1.6†	ECT	2	25	5.2	0.0	5.0n%					250m†		-55	125	4	G013w	M257a
40	F10104FC	1		MON	-9.6%	-1.6*†	ECT	2	80G	5.2	0.0	3.7nΔ					182m%	145m*	0	G01283	FP103		
41	F10104PC	1		MON	-9.6%	-1.6*†	ECT	2	80G	5.2	0.0	3.7nΔ					182m%	145m*	0	G01283	M562		
42	SN10104J	1		MON	-9.8%	-1.6*	ECT	2		5.2	0.0	2.8n					100m†		0	G01272	M153d		
43	SN10104N	1		MON	-9.8%	-1.6*	ECT	2		5.2	0.0	2.8n					100m†		0	G01272	M117x		
44#	SP490	1			-7.0%	-1.6*	ECT	3		7.0	0.0	4.0nΔ	3.0n	3.0n			160m*		0	G01222	M146b		
45	G327	1	100k	PCB	-6.0	0.0	RCT	3	1	12	0.0	100n	600n	1.4u			960m		-55	71	6		CB16
46	G328	1	100k	PCB	-6.0	0.0	RCT	4	3	12	6.0	800n	600n	1.4u			810m	1.0	-55	71	4		CB16
47	GA328	1	100k	PCB	-6.0	0.0	RCT	4	3	12	6.0	800n	600n	1.4u			810m	1.0 *	-55	71	4		CB16
48	DG332	1	500k	3DM	0.0	6.0	RDL	2		12	12								-25	125	4	G011	M2
49	EM3008	1	2.0M	3DM	0.0	6.0	RDL	3	2	6	12	10n	100n	10n			84m	500m	-55	125	2	G01143	M62c
50	EM3008C	1	2.0M	3DM	0.0	6.0	RDL	5	2	6	12	10n	100n	10n			84m	500m	-55	125	2	G01142	M62a
51	EM3017	1	2.0M	3DM	0.0	6.0	RDL	2	1	6	12	300n	60n				1.5	-55	125	4	G01144	M62a	
52	SRG23	1	300k	PCB	0.0	8.0	RDL	4		0.0	12								-40	75	6	G013c	CB10
53	SRG3	1	1.5M	PCB	0.0	8.0	RDL	4		0	12								-40	75	2	G013c	CB10
54	3K40	1	250k	3DM	0.0	-6.0	RDL	3		6.0	6.0	50n	100n	300n			30m		-20	75	2	G01146	M77
55	DG232	1	250k	3DM	0.0	-6.0	RDL	2	4	12	12								-54	71	4	G011a	M2
56	DG239	1	250k	3DM	0.0	-6.0	RDL	2	1	12	12								-54	71	4	G012	M2
57	EM2508	1	250k	3DM	0.0	-6.0	RDL	3	1	0.0	6.0						25m	500m	-55	71	2	G013g	M62b
58	EM2508A	1	250k	3DM	0.0	-6.0	RDL	5	1	0.0	6						6.6m	500m	-55	71	1	G013h	M62b
59	EM2608	1	2.0M	3DM	0.0	-6.0	RDL	3	1	0.0	6			10n			15m	500m	-55	71	2	G013g	M62b
60	EM2608A	1	2.0M	3DM	0.0	-6.0	RDL	5	1	0.0	6			10n			15m	500m	-55	71	1	G013h	M62b
61	DG432	1	5.0M	3DM	0.0	-6.0	RDL	2		12	12								-25	60	4	G011a	M2
62	DG681	1	100k	PCB	-6.0	0.0	RDL	4†		12	6.0	750n	1.0u	2.0u			170m	1.5 Δ	-45	65	8	G01127	CB1
63	DG781	1	500k	PCB	-6.0	0.0	RDL	4†		12	6.0	230n	350n	350n			290m	1.5 Δ	-45	65	8	G01127	CB1
64	G701	1	500k	PCB	-6.0	0.0	RDL			12	0.0								-55	71	2	G01123	CB16
65	G702	1	500k	PCB	-6.0	0.0	RDL			12	0.0								-55	71	2	G01124	CB16
66	G703	1	500k	PCB	-6.0	0.0	RDL			12	0.0								-55	71	1		CB16
67	G704	1	500k	PCB	-6.0	0.0	RDL			12	0.0								-55	71	1		CB16
68	G705	1	500k	PCB	-6.0	0.0	RDL			12	0.0								-55	71	1	G01123	CB16
69	G706	1	500k	PCB	-6.0	0.0	RDL			12	0.0								-55	71	1		CB16
70	G721	1	500k	PCB	-6.0	0.0	RDL			12	0.0								-55	71	1		CB16
71	GA701	1	500k	PCB	-6.0	0.0	RDL			12	0.0								-55	71	2	G01123	CB16
72	GA702	1	500k	PCB	-6.0	0.0	RDL			12	0.0								-55	71	2	G01124	CB16
73	GA703	1	500k	PCB	-6.0	0.0	RDL			12	0.0								-55	71	1		CB16
74	GA704	1	500k	PCB	-6.0	0.0	RDL			12	0.0								-55	71	1	G01125	CB16
75	GA705	1	500k	PCB	-6.0	0.0	RDL			12	0.0								-55	71	1		CB134c
76	GA706	1	500k	PCB	-6.0	0.0	RDL			12	0.0								-55	71	1		CB16
7																							

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN OUT		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME		TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		DRAWINGS	
					LEVEL	TYPE	IN	OUT MAX.	NEG. (V)	POS. (V)	tr (s)		FALL TIME (s)	LOW °C			HI °C	CKT PER MOD	LOGIC DWG. No	OUTLINE DWG. No Δ=MO
1	RG3A	1	3.0M	PCB	-10	0.0	RDL	4	Δ	12	0					-20	55	6	G013c	CB10
2	RG4	1	8.0M	MON	-10	0.0	RDL	4	Δ	12	0					-20	55	6	G013c	CB10
3#	FJH421	1		MON			TTL	2	10	0.0	5.0	13n		10mΔ	1.0 Δ	0	70	4	G04387k	
4#	GTB74S11P	1		MON			TTL	3	10	0.0	5.0	3.0n				0	70	3	G04377a	
5	TG80F	1		MON	1.3%	1.05*	TTL	4Δ	10	0.0	5.0	35nΔ		140mΔ	1.0 Δ	-55	125	2	G01243	TO86
6	TG80J	1		MON	1.3%	1.05*	TTL	4Δ	10	0.0	5.0	35nΔ		140mΔ	1.0 Δ	-55	125	2	G01243	M157c
7	TG81F	1		MON	1.3%	1.05*	TTL	4Δ	10	0.0	5.0	35nΔ		140mΔ	1.0 Δ	-55	125	2	G01243	TO86
8	TG81J	1		MON	1.3%	1.05*	TTL	4Δ	10	0.0	5.0	35nΔ		140mΔ	1.0 Δ	-55	125	2	G01243	M157c
9	TG82F	1		MON	1.3%	1.05*	TTL	4Δ	10	0.0	5.0	35nΔ		155mΔ	1.0 Δ	0	75	2	G01243	TO86
10	TG82J	1		MON	1.3%	1.05*	TTL	4Δ	10	0.0	5.0	35nΔ		155mΔ	1.0 Δ	0	75	2	G01243	M157c
11	TG83F	1		MON	1.3%	1.05*	TTL	4Δ	10	0.0	5.0	35nΔ		155mΔ	1.0 Δ	0	75	2	G01243	TO86
12	TG83J	1		MON	1.3%	1.05*	TTL	4Δ	10	0.0	5.0	35nΔ		155mΔ	1.0 Δ	0	75	2	G01243	M157c
13	9005-1-3L	1		MON	1.7%	.90*	TTL	4	11	0.0	5.0	14n		64m†	400m	-55	125	2	G01188	FP47a
14	9005-1-6B	1		MON	1.7%	.90*	TTL	4	11	0.0	5.0	14n		64m†	400m	-55	125	2	G01188	M153a
15	9005A-1-3I	1		MON	1.7%	.90*	TTL	4		0.0	5.0	14n		64m†	400m	-55	125	2	G01189	FP28b
16	9005A-1-3L	1		MON	1.7%	.90*	TTL	4		0.0	5.0	14n		64m†	400m	-55	125	2	G01189	FP47a
17	9005A-1-6A	1		MON	1.7%	.90*	TTL	4		0.0	5.0	14n		64m†	400m	-55	125	2	G01189	M157
18	9005A-1-6B	1		MON	1.7%	.90*	TTL	4		0.0	5.0	14n		64m†	400m	-55	125	2	G01189	M153a
19	9008-1-3L	1		MON	1.7%	.90*	TTL	9	11	0.0	5.0	14n		55m†	400m	-55	125	2	G01190	FP47a
20	9008-1-6B	1		MON	1.7%	.90*	TTL	9	11	0.0	5.0	14n		55m†	400m	-55	125	2	G01190	M153a
21#	MIC9005-1D	1		MON	1.7%	.90*	TTL	4	11	0.0	5.0	14n		64m†	400m	0	75	2	G01188	M153a
22#	MIC9008-1D	1		MON	1.7%	.90*	TTL	9	11	0.0	5.0	14n		55m†	400m	0	75	2	G01190	M153a
23	9005-9-3L	1		MON	1.8%	.85*	TTL	4	10	0.0	5.0	14n		75m†	400m	0	75	2	G01188	FP47a
24	9005-9-6B	1		MON	1.8%	.85*	TTL	4	10	0.0	5.0	14n		75m†	400m	0	75	2	G01188	M153a
25	9005A-9-3I	1		MON	1.8%	.85*	TTL	4		0.0	5.0	14n		75m†	400m	0	75	2	G01189	FP28b
26	9005A-9-3L	1		MON	1.8%	.85*	TTL	4		0.0	5.0	14n		75m†	400m	0	75	2	G01189	FP47a
27	9005A-9-6A	1		MON	1.8%	.85*	TTL	4		0.0	5.0	14n		75m†	400m	0	75	2	G01189	M157
28	9005A-9-6B	1		MON	1.8%	.85*	TTL	4		0.0	5.0	14n		75m†	400m	0	75	2	G01189	M153a
29	9005FC	1		MON	1.8%	.85*	TTL	4	10	0.0	5.0	14n		75m†	400m	0	75	2	G01188	FP28b
30	9008-9-3L	1		MON	1.8%	.85*	TTL	9	10	0.0	5.0	14n		70m†	400m	0	75	1	G01190	FP47a
31	9008-9-6B	1		MON	1.8%	.85*	TTL	9	10	0.0	5.0	14n		70m†	400m	0	75	1	G01190	M153a
32	9008FC	1		MON	1.8%	.85*	TTL	9	10	0.0	5.0	14n		70m†	400m	0	75	2	G01190	FP28b
33#	MIC9005-5D	1		MON	1.8%	.85*	TTL	4	10	0.0	5.0	14n		75m†	400m	0	75	2	G01188	M153a
34#	MIC9008-5D	1		MON	1.8%	.85*	TTL	9	10	0.0	5.0	14n		70m†	400m	0	75	1	G01190	M153a
35	74S09DC	1	10M		2.0%	.50*	TTL	2	10†	0.0	5.0	10nΔ				0	70	4	G04470	M294g
36	74S09PC	1	10M		2.0%	.50*	TTL	2	10†	0.0	5.0	10nΔ				0	70	4	G04470	M591
37	9LS08DM	1		MON	2.0%	.70*	TTL	2	2.5	0.0	5.0	8.0n		44m%	300m	-55	125	4	G01266	TO116
38	9LS08FM	1		MON	2.0%	.70*	TTL	2	2.5	0.0	5.0	8.0n		44m%	300m	-55	125	4	G01266	TO86
39	9LS11DM	1		MON	2.0%	.70*	TTL	3	2.5	0.0	5.0	8.5n		33m%	300m	-55	125	3	G01267	TO116
40	9LS11FM	1		MON	2.0%	.70*	TTL	3	2.5	0.0	5.0	8.5n		33m%	300m	-55	125	3	G01267	TO86
41	9LS15DM	1		MON	2.0%	.70*	TTL	3	2.5	0.0	5.0	13n		33m%	300m	-55	125	3	G01267	TO116
42	9LS15FM	1		MON	2.0%	.70*	TTL	3	2.5	0.0	5.0	13n		33m%	300m	-55	125	3	G01267	TO86
43	9LS21DM	1		MON	2.0%	.70*	TTL	4	2.5	0.0	5.0	10n		22m%	300m	-55	125	2	G01268	TO116
44	9LS21FM	1		MON	2.0%	.70*	TTL	4	2.5	0.0	5.0	10n		22m%	300m	-55	125	2	G01268	TO86
45	54LS15DM	1		MON	2.0%	.70*	TTL	3	2.5	0.0	5.0	13n		33m%	300m	-55	125	3	G01267	TO116
46	54LS11BL	1	12M		2.0%	.07*	TTL			0.0	5.0					T7			G01267	CH132
47	54LS15BL	1	17M		2.0%	.07*	TTL			0.0	7.0	5n%		13m	0.3	-55	125	3	CH132	
48	9LS08DC	1		MON	2.0%	.80*	TTL	2	5	0.0	5.0	8.0n		44m%	300m	0	75	4	G01266	TO116
49	9LS08FC	1		MON	2.0%	.80*	TTL	2	5	0.0	5.0	8.0n		44m%	300m	0	75	4	G01266	TO86
50	9LS08PC	1		MON	2.0%	.80*	TTL	2	5	0.0	5.0	8.0n		44m%	300m	0	75	4	G01266	TO116
51	9LS09DC	1		MON	2.0%	.80*	TTL	2	5	0.0	5.0	13n		44m%	300m	0	75	4	G01266	TO116
52	9LS09DM	1		MON	2.0%	.80*	TTL	2	2.5	0.0	5.0	13n		44m%	300m	-55	125	4	G01266	TO116
53	9LS09FC	1		MON	2.0%	.80*	TTL	2	2.5	0.0	5.0	13n		44m%	300m	0	75	4	G01266	TO86
54	9LS09FM	1		MON	2.0%	.80*	TTL	2	2.5	0.0	5.0	13n		44m%	300m	-55	125	4	G01266	TO86
55	9LS09PC	1		MON	2.0%	.80*	TTL	2	5	0.0	5.0	13n		44m%	300m	0	75	4	G01266	TO116
56	9LS11DC	1		MON	2.0%	.80*	TTL	3	5	0.0	5.0	8.5n		33m%	300m	0	75	3	G01267	TO116
57	9LS11FC	1		MON	2.0%	.80*	TTL	3	5	0.0	5.0	8.5n		33m%	300m	0	75	3	G01267	TO86
58	9LS11PC	1		MON	2.0%	.80*	TTL	3	5	0.0	5.0	8.5n		33m%	300m	0	75	3	G01267	TO116
59	9LS15DC	1		MON	2.0%	.80*	TTL	3	5	0.0	5.0	13n		33m%	300m	0	75	3	G01267	TO116
60	9LS15FC	1		MON	2.0%	.80*	TTL	3	5	0.0	5.0	13n		33m%	300m	0	75	3	G01267	TO86
61	9LS15PC	1		MON	2.0%	.80*	TTL	3	5	0.0	5.0	13n		33m%	300m	0	75	3	G01267	TO116
62	9LS21DC	1		MON	2.0%	.80*	TTL	4	5	0.0	5.0	10n		22m%	300m	0	75	2	G01268	TO116
63	9LS21FC	1		MON	2.0%	.80*	TTL	4	5	0.0	5.0	10n		22m%	300m	0	75	2	G01268	TO86
64	9LS21PC	1		MON	2.0%	.80*	TTL	4	5	0.0	5.0	10n		22m%	300m	0	75	2	G01268	TO116
65	54LS09DM	1		MON	2.0%	.80*	TTL	2	2.5	0.0	5.0	13n		44m%	300m	-55	125	4	G01266	TO116
66	74F08FC	1		MON	2.0%	.80*	TTL	2	12	0.0	5.0	5.5n		65m%		0	70	4	G01266	FP21h
67	74F11FC	1		MON	2.0%	.80*	TTL	3	12	0.0	5.0	5.5n		49m%		0	70	3	G01267	FP21h
68	74H11FC	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	15nΔ		120m†	1.0 Δ	0	70	3	G01153a	FP21h
69	74H21FC	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	15nΔ		80m†	1.0 Δ	0	70	2	G01153	FP21h
70	74LS08FC	1		MON	2.0%	.80*	TTL	2	5	0.0	5.0	8.0n		44m%	300m	0	75	4	G01266	TO86
71	74LS09DC	1		MON	2.0%	.80*	TTL	2	5	0.0	5.0	13n		44m%	300m	0	75	4	G01266	TO116
72	74LS09FC	1		MON	2.0%	.80*	TTL	2	5	0.0	5.0	13n		44m%	300m	0	75	4	G01266	TO86
73	74LS11FC	1		MON	2.0%	.80*	TTL	3	5	0.0	5.0	8.5n		33m%	300m	0	75	3	G01267	TO86
74	74LS15DC	1		MON	2.0%	.80*	TTL	3	5	0.0	5.0	13n		33m%	300m	0	75	3	G01267	TO116
75	74LS15FC	1		MON	2.0%	.80*	TTL	3	5	0.0	5.0	13n		33m%	300m	0	75	3	G01267	TO86
76	74LS21FC	1		MON	2.0															

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	6] TYPE No.	1] TYPE OF GATE	5] MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN		POWER SUPPLY		PROPAGATION DELAY (s)	MAX.		MAX. PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					3] '1' (V)	4] '0' (V)	2] TYPE	IN	OUT MAX.	NEG.	POS.		RISE TIME tr (s)	FALL TIME tf (s)			LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=No
1#	MIC5411J	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	32nΔ			59mΔ		-55	125	3	G01267	T0116
2#	MIC5421J	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	27nΔ			40mΔ		-55	125	2	G01268	T0116
3#	MIC6408J	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			130m%		-40	85	4	G04414	T0116
4#	MIC6409AJ	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			130m%		-40	85	4	G04401	T0116
5#	MIC6409J	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			130m%		-40	85	4	G04401	T0116
6#	MIC6411J	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	32nΔ			100m%		-40	85	3		T0116
7#	MIC6421J	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	32nΔ			65m%		-40	85	2		T0116
8#	MIC7408J	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			78mΔ		0	75	4	G01266	T0116
9#	MIC7408N	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			78mΔ		0	75	4	G01266	M126x
10#	MIC7409AJ	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			78mΔ		0	75	4	G01266	T0116
11#	MIC7409AN	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			78mΔ		0	75	4	G01266	M126x
12#	MIC7409J	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			78mΔ		0	75	4	G01266	T0116
13#	MIC7409N	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			78mΔ		0	75	4	G01266	M126x
14#	MIC7411J	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	32nΔ			59mΔ		0	75	3	G01267	T0116
15#	MIC7411N	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	32nΔ			59mΔ		0	75	3	G01267	M126x
16#	MIC7421J	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	27nΔ			40mΔ		0	75	2	G01268	T0116
17#	MIC7421N	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	27nΔ			40mΔ		0	75	2	G01268	M126x
18#	MIC54130J	1		MON	2.0%	.80*	TTL	2	54	0.0	5.0	35nΔ	10n	4.0n	155mΔ		-55	125	4	G01236	T0116
19#	MIC54131J	1		MON	2.0%	.80*	TTL	2	54	0.0	5.0	35nΔ	10n	4.0n	155mΔ		-55	125	4	G01236	T0116
20#	MIC64130J	1		MON	2.0%	.80*	TTL	2	54	0.0	5.0	35nΔ	10n	4.0n	155mΔ		-40	85	4	G01236	T0116
21#	MIC64131J	1		MON	2.0%	.80*	TTL	2	54	0.0	5.0	35nΔ	10n	4.0n	155mΔ		-40	85	4	G01236	T0116
22#	MIC74130J	1		MON	2.0%	.80*	TTL	2	54	0.0	5.0	35nΔ	10n	4.0n	155mΔ		0	75	4	G01236	T0116
23#	MIC74130N	1		MON	2.0%	.80*	TTL	2	54	0.0	5.0	35nΔ	10n	4.0n	155mΔ		0	75	4	G01236	M126x
24#	MIC74131J	1		MON	2.0%	.80*	TTL	2	54	0.0	5.0	35nΔ	10n	4.0n	155mΔ		0	75	4	G01236	T0116
25#	MIC74131N	1		MON	2.0%	.80*	TTL	2	54	0.0	5.0	35nΔ	10n	4.0n	155mΔ		0	75	4	G01236	M126x
26	N74H08A	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	12nΔ			320m%		0	70	4	G01183b	M318
27	N74H11A	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	12nΔ			240m%		0	70	3	G01197	M318
28	N74H21A	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	12nΔ			160m%		0	70	2	G01197a	M318
29	N74LS08A	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	12n			44m		0	70	4	G01266	M318
30	N74LS09A	1		MON	2.0%	.80*	TTL	2	20	0.0	5.0	20n			4.2mΔ		0	70	4	G01266	M318
31	N74LS11A	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	12n			33m		0	70	3	G01267	M318
32	N74LS15A	1		MON	2.0%	.80*	TTL	3	20	0.0	5.0	20n			4.2mΔ		0	70	3	G01267	M318
33	N74LS21A	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	12n			22m		0	70	2	G01268	M318
34	N74S08A	1		MON	2.0%	.80*	TTL	2	20	0.0	5.0	7.5n			71mΔ		0	70	4	G01249	M318
35	N74S09A	1		MON	2.0%	.80*	TTL	2	20	0.0	5.0	9.0n			71mΔ		0	70	4	G01249a	M318
36	N74S11A	1		MON	2.0%	.80*	TTL	3	20	0.0	5.0	7.5nΔ			210mΔ	1.0 Δ	0	70	3	G01249c	M318
37	N74S15A	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	9.0nΔ			210mΔ	1.0 Δ	0	70	3	G01249b	M318
38	N7408A	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			130m%	1.0 Δ	0	70	4	G01225b	M318
39	N7409A	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	34nΔ			130m%	1.0 Δ	0	70	4	G01227a	M318
40	N7411A	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	27nΔ			100m%	1.0 Δ	0	70	3	G01225a	M318
41	N7421A	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	27nΔ			65m%	1.0 Δ	0	70	2	G01225	M318
42	NC74H11N	1		MON	2.0%	.80*	TTL	3	10	0.0	7.0	15nΔ				1.0 Δ	0	70	3	G01153a	M126
43	NC74H21N	1		MON	2.0%	.80*	TTL	4	10	0.0	7.0	15nΔ				1.0 Δ	0	70	2	G01153	M126
44	S54H08A	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	12nΔ			320m%		-55	125	4	G01183b	M318
45	S54H11A	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	12nΔ			240m%		-55	125	3	G01197	M318
46	S54H21A	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	12nΔ			160m%		-55	125	2	G01197a	M318
47	S54S08A	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	7.5n			71mΔ		-55	125	4	G01249	M318
48	S54S09A	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	9.0n			71mΔ		-55	125	4	G01249a	M318
49	S5408A	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			130m%	1.0 Δ	-55	125	4	G01225b	M318
50	S5409A	1		MON	2.0%	.80*	TTL	2	10	0.0	5.0	34nΔ			130m%	1.0 Δ	-55	125	4	G01227a	M318
51	S5411A	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	27nΔ			100m%	1.0 Δ	-55	125	3	G01225a	M318
52	S5421A	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	27nΔ			65m%	1.0 Δ	-55	125	2	G01225	M318
53	SN54H11F	1		MON	2.0%	.80*	TTL	3	10	0	7	15nΔ				1.0 Δ	-55	125	3	G01153a	T084
54	SN54H11N	1		MON	2.0%	.80*	TTL	3	10	0	7	15nΔ				1.0 Δ	-55	125	3	G01153a	M126
55	SN54H15N	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	12n			265m	1.0 Δ	-55	125	3	G01227	M126e
56	SN54H21	1		MON	2.0%	.80*	TTL	4	10	0.0	7.0	11nΔ			90mΔ	1.0 Δ	-55	125	2	G01153	T084
57	SN54H21F	1		MON	2.0%	.80*	TTL	4	10	0	7	15nΔ				1.0 Δ	-55	125	2	G01153	T084
58	SN54H21N	1		MON	2.0%	.80*	TTL	4	10	0	7	15nΔ				1.0 Δ	-55	125	2	G01153	M126
59	SN54S11N	1		MON	2.0%	.80*	TTL	3	20	0.0	5.0	5.0n			96mΔ	1.0 Δ	-55	125	3	G01183a	M126e
60	SN54S15N	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	6.0n			87mΔ	1.0 Δ	-55	125	3	G01183c	M126e
61	SN74H11F	1		MON	2.0%	.80*	TTL	3	10	0	7	15nΔ				1.0 Δ	0	70	3	G01153a	T084
62	SN74H11W	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	15nΔ			120mΔ	1.0 Δ	0	70	3	G01153a	T084
63	SN74H15W	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	12n			250m	1.0	0	70	3	G01227	Δ004AA
64	SN74H21	1		MON	2.0%	.80*	TTL	4	10	0.0	7.0	11nΔ			90mΔ	1.0 Δ	0	70	2	G01153	T084
65	SN74H21F	1		MON	2.0%	.80*	TTL	4	10	0	7	15nΔ				1.0 Δ	0	70	2	G01153	T084
66	SN74H21W	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	15nΔ			80mΔ	1.0 Δ	0	70	2	G01153	T084
67	SN74S11W	1		MON	2.0%	.80*	TTL	3	20	0.0	5.0	5.0n			96mΔ	1.0 Δ	0	70	3	G01183a	Δ004AA
68	SN74S15W	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	6.0n			87mΔ	1.0 Δ	0	70	3	G01183c	Δ004AA
69#	T74H11B1	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	8.0n			130m	1.0 Δ	0	70			
70#	T74H11D1	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	8.0n			130m	1.0 Δ	0	70			
71#	T74H11D2	1		MON	2.0%	.80*	TTL	3	10	0.0	5.0	8.0n			130m	1.0 Δ	-55	125			
72#	T74H21B1	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	8.0n			80m	1.0 Δ	0	70			
73#	T74H21D1	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	8.0n			80m	1.0 Δ	0	70			
74#	T74H21D2	1		MON	2.0%	.80*	TTL	4	10	0.0	5.0	8.0n			80m	1.0 Δ					

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL	LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN IN	OUT MAX.	POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME (s)		FALL TIME (s)	TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)		TEMP. (°C)		CKT PER MOD	DRAWINGS	
						LEVEL	TYPE	IN			NEG. (V)	POS. (V)		tr	tf			LOW	HI	LOGIC DWG. No	OUTLINE DWG. No Δ=MO			
																							'1' (V)	'0' (V)
	1	US5408J	1		MON	2.0%	80*	TTL	2	10	0.0	5.0	16n	18n	8.0n			-55	125	3	G01202	TO88		
	2	US5411A	1		MON	2.0%	80*	TTL	3	10	0.0	5.0	16n	18n	8.0n			-55	125	4	G01202a	M105b		
	3	US5411J	1		MON	2.0%	80*	TTL	3	10	0.0	5.0	16n	18n	8.0n			-55	125	3	G01202a	TO88		
	4	US5421A	1		MON	2.0%	80*	TTL	4	10	0.0	7.0	15nΔ				1.0 Δ	-55	125	2	G01153	M105b		
	5	US5421J	1		MON	2.0%	80*	TTL	4	10	0.0	7.0	15nΔ				1.0 Δ	-55	125	2	G01153	TO88		
	6	US7408A	1		MON	2.0%	80*	TTL	2	10	0.0	5.0	16n	18n	8.0n			0	70	4	G01202	M105b		
	7	US7408J	1		MON	2.0%	80*	TTL	2	10	0.0	5.0	16n	18n	8.0n			0	70	4	G01202	TO88		
	8	US7411A	1		MON	2.0%	80*	TTL	3	10	0.0	5.0	16n	18n	8.0n			0	70	3	G01202a	M105b		
	9	US7411J	1		MON	2.0%	80*	TTL	3	10	0.0	5.0	16n	18n	8.0n			0	70	3	G01202a	TO88		
	10	US7421A	1		MON	2.0%	80*	TTL	4	10	0.0	7.0	15nΔ				1.0 Δ	0	70	2	G01153	M105b		
	11	US7421J	1		MON	2.0%	80*	TTL	4	10	0.0	7.0	15nΔ				1.0 Δ	0	70	2	G01153	TO88		
	12	54R11	1		MON	2.7	40	TTL	3	10	0.0	5.0	10n					-55	125					
	13	MC476P	1		MON	3.0%	45*†	TTL	15	7	0.0	5.0	15n				60m	0	75	2	G01208	M114		
	14	TG280F	1		MON	3.0%	45*†	TTL	5Δ	15	0.0	7.0	12n				80m†	-55	125	2	G01165b	FP21c		
	15	TG280J	1		MON	3.0%	45*†	TTL	5Δ	15	0.0	7.0	12n				80m†	-55	125	2	G01165b	TO116		
	16	TG281F	1		MON	3.0%	45*†	TTL	5Δ	7	0.0	7.0	12n				80m†	-55	125	2	G01165b	FP21c		
	17	TG281J	1		MON	3.0%	45*†	TTL	5Δ	7	0.0	7.0	12n				80m†	-55	125	2	G01165b	TO116		
	18	TG282F	1		MON	3.0%	45*†	TTL	5Δ	15	0.0	7.0	12n				80m†	-55	125	2	G01165b	FP21c		
	19	TG282J	1		MON	3.0%	45*†	TTL	5Δ	15	0.0	7.0	12n				80m†	0	75	2	G01165b	TO116		
	20	TG283F	1		MON	3.0%	45*†	TTL	5Δ	7	0.0	7.0	12n				80m†	0	75	2	G01165b	FP21c		
	21	TG283J	1		MON	3.0%	45*†	TTL	5Δ	7	0.0	7.0	12n				80m†	0	75	2	G01165b	TO116		
	22	TNG6221F	1		MON	3.0%	45*†	TTL	4	15	0	7	12n				80m†	-55	125	2	G01165a	FP21c		
	23	TNG6221P	1		MON	3.0%	45*†	TTL	4	15	0	7	12n				80m†	-55	125	2	G01165a	TO116		
	24	TNG6222F	1		MON	3.0%	45*†	TTL	4	15	0	7	12n				80m†	0	75	2	G01165a	FP21c		
	25	TNG6222P	1		MON	3.0%	45*†	TTL	4	15	0	7	12n				80m†	0	75	2	G01165a	TO116		
	26	TNG6223F	1		MON	3.0%	45*†	TTL	4	7	0	7	12n				80m†	-55	125	2	G01165a	FP21c		
	27	TNG6223P	1		MON	3.0%	45*†	TTL	4	7	0	7	12n				80m†	-55	125	2	G01165a	TO116		
	28	TNG6224F	1		MON	3.0%	45*†	TTL	4	7	0	7	12n				80m†	0	75	2	G01165a	FP21c		
	29	TNG6224P	1		MON	3.0%	45*†	TTL	4	7	0	7	12n				80m†	0	75	2	G01165a	TO116		
	30	TNG6261F	1		MON	3.0%	45*†	TTL	4Δ	15	0	7	12n				80m†	-55	125	2	G01165	FP21c		
	31	TNG6261P	1		MON	3.0%	45*†	TTL	4Δ	15	0	7	12n				80m†	-55	125	2	G01165	TO116		
	32	TNG6262F	1		MON	3.0%	45*†	TTL	4Δ	15	0	7	12n				80m†	0	75	2	G01165	FP21c		
	33	TNG6262P	1		MON	3.0%	45*†	TTL	4Δ	15	0	7	12n				80m†	0	75	2	G01165	TO116		
	34	TNG6263F	1		MON	3.0%	45*†	TTL	4Δ	7	0.0	7.0	12n				80m†	-55	125	2	G01165f	FP18		
	35	TNG6263P	1		MON	3.0%	45*†	TTL	4Δ	7	0.0	7.0	12n				80m†	-55	125	2	G01165	TO116		
	36	TNG6264F	1		MON	3.0%	45*†	TTL	4Δ	7	0.0	7.0	12n				80m†	0	75	2	G01165	FP21c		
	37	TNG6264P	1		MON	3.0%	45*†	TTL	4Δ	7	0.0	7.0	12n				80m†	0	75	2	G01165	TO116		
	38	TNG6521F	1		MON	3.0%	45*†	TTL	5Δ	15	0	7	12n				40m†	-55	125	1	G01165c	FP21c		
	39	TNG6521P	1		MON	3.0%	45*†	TTL	5Δ	15	0	7	12n				40m†	-55	125	1	G01165c	TO116		
	40	TNG6522F	1		MON	3.0%	45*†	TTL	5Δ	15	0	7	12n				40m†	0	75	1	G01165c	FP21c		
	41	TNG6522P	1		MON	3.0%	45*†	TTL	5Δ	15	0	7	12n				40m†	0	75	1	G01165c	TO116		
	42	TNG6523F	1		MON	3.0%	45*†	TTL	5Δ	7	0	7	12n				40m†	-55	125	1	G01165c	FP21c		
	43	TNG6523P	1		MON	3.0%	45*†	TTL	5Δ	7	0	7	12n				40m†	-55	125	1	G01165c	TO116		
	44	TNG6524F	1		MON	3.0%	45*†	TTL	5Δ	7	0	7	12n				40m†	0	75	1	G01165c	FP21c		
	45	TNG6524P	1		MON	3.0%	45*†	TTL	5Δ	7	0	7	12n				40m†	0	75	1	G01165c	TO116		
	46	RG180P	1	20	MON	3.4	20	TTL	4		0.0	5.0	1.0n				2.0m†	1.1	-55	125	2		M105k	
	47	RG181P	1	20	MON	3.4	20	TTL	4		0.0	5.0	1.0n				2.0m†	1.1	-55	125	2		M105k	
	48	RG182P	1	20	MON	3.4	20	TTL	4		0.0	5.0	1.0n				2.0m†	1.1	0	75	2		M105k	
	49	RG183P	1	20	MON	3.4	20	TTL	4		0.0	5.0	1.0n				2.0m†	1.1	0	75	2		M105k	
	50	RG80K	1	20M	MON	3.4	20	TTL	3	15	0.0	5.0	1.1n				60m†	1.1	-55	125	2		FP28	
	51	RG80P	1	20M	MON	3.4	20	TTL	3	15	0.0	5.0	1.1n				60m†	1.1	-55	125	2		M105k	
	52	RG81K	1	20M	MON	3.4	20	TTL	3	7	0.0	5.0	1.1n				60m†	1.1	-55	125	2		FP28	
	53	RG81P	1	20M	MON	3.4	20	TTL	3	7	0.0	5.0	1.1n				60m†	1.1	-55	125	2		M105k	
	54	RG82K	1	20M	MON	3.4	20	TTL	3	12	0.0	5.0	1.1n				60m†	1.1	0	75	2		FP28	
	55	RG82P	1	20M	MON	3.4	20	TTL	3	12	0.0	5.0	1.1n				60m†	1.1	0	75	2		M105k	
	56	RG83K	1	20M	MON	3.4	20	TTL	3	6	0.0	5.0	1.1n				60m†	1.1	0	75	2		FP28	
	57	RG83P	1	20M	MON	3.4	20	TTL	3	6	0.0	5.0	1.1n				60m†	1.1	0	75	2		M105k	
	58	RG180K	1	20M	MON	3.4	20	TTL	4		0.0	5.0	1.0n				20m†	1.1	-55	125	2	G0657	FP28	
	59	RG181K	1	20M	MON	3.4	20	TTL	4		0.0	5.0	1.0n				20m†	1.1	-55	125	2	G0657	FP28	
	60	RG182K	1	20M	MON	3.4	20	TTL	4		0.0	5.0	1.0n				20m†	1.1	0	75	2	G0657	FP28	
	61	RG183K	1	20M	MON	3.4	20	TTL	4		0.0	5.0	1.0n				20m†	1.1	0	75	2	G0657	FP28	
	62	RG280K	1	20M	MON	3.4	20	TTL	4	15	0.0	5.0	1.1n				76m†	1.0	-55	125	2		FP28	
	63	RG280P	1	20M	MON	3.4	20	TTL	4	15	0.0	5.0	1.1n				76m†	1.0	-55	125	2		M105k	
	64	RG281K	1	20M	MON	3.4	20	TTL	4	7	0.0	5.0	1.1n				76m†	1.0	-55	125	2		FP28	
	65	RG281P	1	20M	MON	3.4	20	TTL	4	7	0.0	5.0	1.1n				76m†	1.0	-55	125	2		M105k	
	66	RG282K	1	20M	MON	3.4	20	TTL	4	12	0.0	5.0	1.1n				76m†	1.0	0	75	2		FP28	
	67	RG282P	1	20M	MON	3.4	20	TTL	4	12	0.0	5.0	1.1n				76m†	1.0	0	75	2		M105k	
	68	RG283K	1	20M	MON	3.4	20	TTL	4	6	0.0	5.0	1.1n				76m†	1.0	0	75	2		FP28	
	69	RG283P	1	20M	MON	3.4	20	TTL	4	6	0.0	5.0	1.1n				76m†	1.0	0	75	2		M105k	
	70	RG3180K	1		MON	3.4	30†	TTL	5Δ		0.0	5.0	3.0n				900m	0.5	-55	125	2	G01157	FP21b	
	71	RG3182K	1		MON	3.4	30†	TTL	5Δ		0.0	5.0	3.0n				900m	0	75	2	G01157	FP21b		
	72	TG425	1	20M	MON	3.5	25	TTL	4	15†	0	6	12n	5.0n	8.0n		80m	1.0 Δ	-55	125	2	G01166	ZB159	
	73	TG426	1																					

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF GATE	MAX OPER. FREQ. (Hz)	PROCESS	LOGIC			FAN OUT MAX.		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME (s)		MAX. FALL TIME (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					LEVEL	TYPE	IN	OUT	NEG (V)	POS (V)	tr		tf	LOW				HI	LOGIC DWG. No		OUTLINE DWG. No	
																						1' (V)
1	SW776-2M	1.2		MON	1.9%	1.2*	DTL	5	12	0.0	5.0	35nΔ				50mΔ	800mΔ	0	75	2	G02125	M105n
2	SW776-2P	1.2		MON	1.9%	1.2*	DTL	5	12	0.0	5.0	35nΔ				50mΔ	800mΔ	0	75	2	G02125	TO116
3	SW777-2M	1.2		MON	1.9%	1.2*	DTL	5	11	0.0	5.0	30nΔ				65mΔ	800mΔ	0	75	2	G02125	M105n
4	SW777-2P	1.2		MON	1.9%	1.2*	DTL	5	11	0.0	5.0	30nΔ				65mΔ	800mΔ	0	75	2	G02125	TO116
5	IAO0220	1.2	5.0M	PCB	2.0%	.95*	DTL	12	5	0	5	60nΔ	50n	15n		385m	1.0 Δ	0	75	2	G01151	CBZ
6	IAO-0209	1.2	5.0M	PCB	2.0%	1.1*	DTL	5	8	0	7	90nΔ				315m	500m	0	75	2	G01151	CBZ
7	SN5320	1.2		MON	2.5%	.3*	DTL	6Δ	4	0	7	5.0n	200n	100n		12mΔ		-55	125	1	G01116b	TO89
8	MM10893	1.2	1.0M	3DM	6.0	0.0	DTL	5	4	7	18							0	75	2	G01116b	MP38
9#	SP482	1.2			-7.0%	-.79*	ECT	6		7.0	0.0	4.0nΔ	3.0n	3.0n		160m*		0	75	2	G01219	M146b
10#	SP483	1.2			-7.0%	-.79*	ECT	6		7.0	0.0	4.0nΔ	3.0n	3.0n		160m*		0	75	2	G01219	M146b
11#	SP486	1.2			-7.0%	-.79*	ECT	13		7.0	0.0	4.0nΔ	3.0n	3.0n		160m*		0	75	1	G01221	M146b
12#	SP487	1.2			-7.0%	-.79*	ECT	13		7.0	0.0	4.0nΔ	3.0n	3.0n		160m*		0	75	1	G01221	M146b
13#	MP103BF	1.2	1.0MΔ	MOS	-11%	-4.0*	RTL	6	1	24	0.0	90n				36mΔ		-55	125	1	G01196	FP2
14#	MP103BT	1.2	1.0MΔ	MOS	-11%	-4.0*	RTL	6	1	24	0.0	90n				36mΔ		-55	125	1	G01196	FP2
15	TG210F	1.2		MON	1.7%	1.1*	TTL	9Δ	15	0.0	7.0					22mΔ	1.0 Δ	-55	125	1	G03189b	CM58a
16	TG210F	1.2		MON	1.7%	1.1*	TTL	9Δ	15	0.0	7.0					22mΔ	1.0 Δ	-55	125	1	G03189b	FP21c
17	TG211F	1.2		MON	1.7%	1.1*	TTL	9Δ	7	0.0	7.0					22mΔ	1.0 Δ	-55	125	1	G03189b	TO116
18	TG211F	1.2		MON	1.7%	1.1*	TTL	9Δ	7	0.0	7.0					22mΔ	1.0 Δ	-55	125	1	G03189b	FP21c
19	TG212F	1.2		MON	1.7%	1.1*	TTL	9Δ	15	0.0	7.0					22mΔ	1.0 Δ	0	75	1	G03189b	TO116
20	TG212J	1.2		MON	1.7%	1.1*	TTL	9Δ	15	0.0	7.0					22mΔ	1.0 Δ	0	75	1	G03189b	TO116
21	TG213F	1.2		MON	1.7%	1.1*	TTL	9Δ	7	0.0	7.0					22mΔ	1.0 Δ	0	75	1	G03189b	FP21c
22	TG213J	1.2		MON	1.7%	1.1*	TTL	9Δ	7	0.0	7.0					22mΔ	1.0 Δ	0	75	1	G03189b	TO116
23	74H52DC	1.2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	15nΔ				120mΔ	1.0 Δ	0	70	1	G02124	TO116
24	74H52FC	1.2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	15nΔ				90mΔ	1.0 Δ	0	70	1	G02124	FP21h
25#	7454PCΔ	1.2		MON	2.0%	.80*	TTL	10	10	0.0	5.0	22nΔ						0	70	2	G02225	M665
26#	FJH152A	1.2		MON	2.0%	.80*	TTL	3Δ	10	0.0	5.0	13n				28m	1.0 Δ	-55	125	2	G03236	TO116
27#	FJH152B	1.2		MON	2.0%	.80*	TTL	3Δ	10	0.0	5.0	13n				28m	1.0 Δ	-55	125	2	G03236	TO84
28#	FJH162A	1.2		MON	2.0%	.80*	TTL	2	10	0.0	5.0	13n				28m	1.0 Δ	-55	125	2	G01203	TO116
29#	FJH162B	1.2		MON	2.0%	.80*	TTL	2	10	0.0	5.0	13n				28m	1.0 Δ	-55	125	2	G01203	TO84
30#	FJH172A	1.2		MON	2.0%	.80*	TTL	9Δ	10	0.0	5.0	13n				28m	1.0 Δ	-55	125	2	G01204	TO116
31#	FJH172B	1.2		MON	2.0%	.80*	TTL	9Δ	10	0.0	5.0	13n				28m	1.0 Δ	-55	125	1	G01204	TO84
32#	FJH182A	1.2		MON	2.0%	.80*	TTL	8	10	0.0	5.0	13n				28m	1.0 Δ	-55	125	1	G01205	TO116
33#	FJH182B	1.2		MON	2.0%	.80*	TTL	8	10	0.0	5.0	13n				28m	1.0 Δ	-55	125	1	G01205	TO84
34#	N74H52A	1.2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	10n				155mΔ		0	70	1	G01198	M318
35	N74551A	1.2		MON	2.0%	.80*	TTL	4		0.0	5.0	5.5nΔ				110mΔ		0	70	2	G01240	M318
36	N74564A	1.2		MON	2.0%	.80*	TTL	11	20	0.0	5.0	5.5nΔ				80mΔ	1.0 Δ	0	70	1	G01228a	M318
37	N74565A	1.2		MON	2.0%	.80*	TTL	11	10	0.0	5.0	7.5nΔ				80mΔ	1.0 Δ	0	70	1	G01228	M318
38	N7450A	1.2		MON	2.0%	.80*	TTL	6Δ	10	0.0	5.0	22nΔ				70mΔ	1.0 Δ	0	70	2	G02170	M318
39	N7451A	1.2		MON	2.0%	.80*	TTL	6Δ	10	0.0	5.0	22nΔ				70mΔ	1.0 Δ	0	70	2	G02170	M318
40	N7453A	1.2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	22nΔ				47mΔ	1.0 Δ	0	70	1	G01211	M318
41	N7454A	1.2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	22nΔ				47mΔ	1.0 Δ	0	70	1	G01211	M318
42	NC74H52N	1.2		MON	2.0%	.80*	TTL	10Δ	10	0.0	7.0	15nΔ				47mΔ	1.0 Δ	0	70	1	G02124	M126
43	S54H52A	1.2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	10n				155mΔ		-55	125	1	G01198	M318
44	S54551A	1.2		MON	2.0%	.80*	TTL	4		0.0	5.0	5.5nΔ				110mΔ		-55	125	2	G01240	M318
45	S5450A	1.2		MON	2.0%	.80*	TTL	6Δ	10	0.0	5.0	22nΔ				70mΔ	1.0 Δ	-55	125	2	G02170	M318
46	S5451A	1.2		MON	2.0%	.80*	TTL	6Δ	10	0.0	5.0	22nΔ				70mΔ	1.0 Δ	-55	125	2	G02170	M318
47	S5453A	1.2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	22nΔ				47mΔ	1.0 Δ	-55	125	1	G01211	M318
48	S5454A	1.2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	22nΔ				47mΔ	1.0 Δ	-55	125	1	G01211	M318
49	SN54H52N	1.2		MON	2.0%	.80*	TTL	10Δ	10	0	7	15nΔ				90mΔ	1.0 Δ	-55	125	1	G02124	M126
50	SN74H52W	1.2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	15nΔ				90mΔ	1.0 Δ	0	70	1	G02124	TO84
51#	T74H52B1	1.2		MON	2.0%	.80*	TTL	10Δ		0.0	5.0					90m		0	70			
52#	T74H52D1	1.2		MON	2.0%	.80*	TTL	10Δ		0.0	5.0					90m		0	70			
53#	T74H52D2	1.2		MON	2.0%	.80*	TTL	10Δ		0.0	5.0					90m		-55	125			
54	US54H52A	1.2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	15nΔ	10n	10n		90m	1.0 Δ	-55	125	1	G02124	M105b
55	US54H52J	1.2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	15nΔ	10n	10n		90m	1.0 Δ	-55	125	1	G02124	TO88
56	US74H52A	1.2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	15nΔ	10n	10n		90m	1.0 Δ	0	70	1	G02124	M105b
57	US74H52J	1.2		MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	15nΔ	10n	10n		90m	1.0 Δ	0	70	1	G02124	TO88
58	GG961	1.2	20M	PCB	2.0%	.80*	TTL	6	10	0	5	13n				115mΔ	400m	0	70	6		CBZ
59	MC3031L.P%	1.2		MON	2.4%	.40*1	TTL	10Δ	10	0.0	5.0	10nΔ				87mΔ		0	75	1	G02124	TO116
60	MC3131L	1.2		MON	2.4%	.40*1	TTL	10Δ	10	0.0	5.0	10nΔ				87mΔ		-55	125	1	G02124	TO116
61	RG3452K	1.2		MON	3.0%	.45*1	TTL	11	9Δ	0.0	5.0	10nΔ	3.0n	2.5n		40mΔ	1.1	0	75	1	G01216	FP21b
62	RG3450K	1.2		MON	3.1%	.40*1	TTL	11	11Δ	0.0	5.0	10nΔ	3.0n	2.5n		40mΔ	1.1	-55	125	1	G01216	FP21b
63	6G280G	1.2		MON	3.3	.26	TTL	5Δ	15Δ	0	5	10n	5.0n	8.0n		76m	1.0	-55	125	2	G01157	TO84
64	6G280K	1.2		MON	3.3	.26	TTL	5Δ	15Δ	0	5	10n	5.0n	8.0n		76m	1.0	-55	125	2	G01157	TO116
65	6G281G	1.2		MON	3.3	.26	TTL	5Δ	7Δ	0	5	10n	5.0n	8.0n		76m	1.0	-55	125	2	G01157	TO84
66	6G281K	1.2		MON	3.3	.26	TTL	5Δ	7Δ	0	5	10n	5.0n	8.0n		76m	1.0	-55	125	2	G01157	TO116
67	6G282D	1.2		MON	3.3	.26	TTL	5Δ	12Δ	0	5	10n	5.0n	8.0n		76m	1.0	0	75	2	G01157	TO116
68	6G282G	1.2		MON	3.3	.26	TTL	5Δ	12Δ	0	5	10n	5.0n	8.0n		76m	1.0	0	75	2	G01157	TO84
69	6G283D	1.2		MON	3.3	.26	TTL	5Δ	6Δ	0	5	10n	5.0n	8.0n		76m	1.0	0	75	2	G01157	TO116
70	6G283G	1.2		MON	3.3	.26	TTL	5Δ	6Δ	0	5	10n	5.0n	8.0n		76m	1.0	0	75	2	G01157	TO84
71	PD9635-61	1.																				

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN IN	OUT MAX.	POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME (s)		FALL TIME (s)	TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS		
					LEVEL	TYPE	NEG. (V)			POS. (V)	LOW °C		HI °C	LOGIC DWG. No				OUTLINE DWG. No Δ=MO					
																			'1' (V)		'0' (V)		
1	CD4019AK	1.2T		MOS	10	0.0T	CMS	10	0.0	10	100nΔ	100nΔ	10	10	100nΔ	4.5 Δ	-55	125	4	G01215	Δ004AG		
2	TMAG3	1.3	20M	PCB	3.3	.22	CMS	8Δ	12	5.0	18n	55m	1.0	0	70	55m	1.0	0	75	3	CB53		
3	CD4086BH	1.3		MOS	9.99%	.01**	CMS	5	0.0	10	200nΔ	200m	4.5 Δ	-55	125	200m	4.5 Δ	-55	125	2	G01263	FC7	
4	CD4086BH	1.3		MOS	9.99%	.01**	CMS	10	0.0	10	200nΔ	200m	4.5 Δ	-55	125	200m	4.5 Δ	-55	125	1	G01264	FC7	
5	CD4086BK	1.3		MOS	10	0.0	CMS	5	0.0	10	200nΔ	200m	4.5 Δ	-55	125	200m	4.5 Δ	-55	125	2	G01263	Δ004AF	
6	CD4086BK	1.3		MOS	10	0.0	CMS	10	2	1	280nΔ	200m	4.5 Δ	-55	125	1	1	1	1	1	G01264	Δ004AF	
7	RG3210K	1.3		MON			DTL	8	11	0.0	5	30m1	1.1	0	75	30m1	1.1	0	75	1	FP28		
8	RG3210P	1.3		MON			DTL	8	11	0.0	5	30m1	1.1	0	75	30m1	1.1	0	75	1	M105k		
9	RG3212K	1.3		MON			DTL	8	9	0.0	5	30m1	1.1	0	75	30m1	1.1	0	75	1	FP28		
10	RG3212P	1.3		MON			DTL	8	9	0.0	5	30m1	1.1	0	75	30m1	1.1	0	75	1	M105k		
11	RG3230K	1.3		MON			DTL	10	0.0	0.0	5	7.0m1	1.1	0	75	7.0m1	1.1	0	75	1	FP28		
12	RG3230P	1.3		MON			DTL	10	0.0	0.0	5	7.0m1	1.1	0	75	7.0m1	1.1	0	75	1	M105k		
13	RG3232K	1.3		MON			DTL	10	0.0	0.0	5	7.0m1	1.1	0	75	7.0m1	1.1	0	75	1	FP28		
14	RG3232P	1.3		MON			DTL	10	0.0	0.0	5	7.0m1	1.1	0	75	7.0m1	1.1	0	75	1	M105k		
15	RG3250K	1.3		MON			DTL	9	0.0	0.0	5	40m1	1.1	0	75	40m1	1.1	0	75	1	FP28		
16	RG3250P	1.3		MON			DTL	9	11	0.0	5	40m1	1.1	0	75	40m1	1.1	0	75	1	M105k		
17	RG3252K	1.3		MON			DTL	9	9	0.0	5	40m1	1.1	0	75	40m1	1.1	0	75	1	FP28		
18	RG3252P	1.3		MON			DTL	9	9	0.0	5	40m1	1.1	0	75	40m1	1.1	0	75	1	M105k		
19	RG3270K	1.3		MON			DTL	4	0.0	0.0	5	7.0m1	1.1	0	75	7.0m1	1.1	0	75	1	FP28		
20	RG3270P	1.3		MON			DTL	4	0.0	0.0	5	7.0m1	1.1	0	75	7.0m1	1.1	0	75	1	M105k		
21	RG3272K	1.3		MON			DTL	4	0.0	0.0	5	7.0m1	1.1	0	75	7.0m1	1.1	0	75	1	FP28		
22	RG3272P	1.3		MON			DTL	4	0.0	0.0	5	7.0m1	1.1	0	75	7.0m1	1.1	0	75	1	M105k		
23	RG3300K	1.3		MON			DTL	9	0.0	0.0	5	35m1	1.1	0	75	35m1	1.1	0	75	1	FP28		
24	RG3300P	1.3		MON			DTL	9	11	0.0	5	35m1	1.1	0	75	35m1	1.1	0	75	1	M105k		
25	RG3302K	1.3		MON			DTL	9	9	0.0	5	35m1	1.1	0	75	35m1	1.1	0	75	1	FP28		
26	RG3302P	1.3		MON			DTL	9	9	0.0	5	35m1	1.1	0	75	35m1	1.1	0	75	1	M105k		
27	RG3310K	1.3		MON			DTL	4	11	0.0	5	60m1	1.1	0	75	60m1	1.1	0	75	2	FP28		
28	RG3310P	1.3		MON			DTL	4	11	0.0	5	60m1	1.1	0	75	60m1	1.1	0	75	2	M105k		
29	RG3312K	1.3		MON			DTL	4	9	0.0	5	60m1	1.1	0	75	60m1	1.1	0	75	2	FP28		
30	RG3312P	1.3		MON			DTL	4	9	0.0	5	60m1	1.1	0	75	60m1	1.1	0	75	2	M105k		
31	RG3440K	1.3		MON			DTL	4	11	0.0	5	60m1	1.1	0	75	60m1	1.1	0	75	2	FP28		
32	RG3440P	1.3		MON			DTL	4	11	0.0	5	60m1	1.1	0	75	60m1	1.1	0	75	2	M105k		
33	RG3442K	1.3		MON			DTL	4	9	0.0	5	60m1	1.1	0	75	60m1	1.1	0	75	2	FP28		
34	RG3442P	1.3		MON			DTL	4	9	0.0	5	60m1	1.1	0	75	60m1	1.1	0	75	2	M105k		
35	RG3450P	1.3		MON			DTL	11	9	0.0	5	1.1	0	75	1.1	0	75	1	1	1	M105k		
36	RG3452P	1.3		MON			DTL	11	9	0.0	5	1.1	0	75	1.1	0	75	1	1	1	M105k		
37#	T105D2	1.3		MON	1.4%	.90*	TTL	61	10	0.0	5.0	15nΔ	22m1	1.0 Δ	-55	22m1	1.0 Δ	-55	125	2	G03248	M294	
38#	T105F2	1.3		MON	1.4%	.90*	TTL	61	10	0.0	5.0	15nΔ	22m1	1.0 Δ	-55	22m1	1.0 Δ	-55	125	1	G03248	FP28g	
39#	T108D2	1.3		MON	1.4%	.90*	TTL	11Δ	10	0.0	5.0	15nΔ	11m1	1.0 Δ	-55	11m1	1.0 Δ	-55	125	1	G03249	M294	
40#	T108F2	1.3		MON	1.4%	.90*	TTL	11Δ	10	0.0	5.0	15nΔ	11m1	1.0 Δ	-55	11m1	1.0 Δ	-55	125	1	G03249	FP28g	
41#	T115D2	1.3		MON	1.4%	.90*	TTL	4	10	0.0	5.0	15nΔ	22m1	1.0 Δ	-55	22m1	1.0 Δ	-55	125	2	G03248a	M294	
42#	T115F2	1.3		MON	1.4%	.90*	TTL	4	10	0.0	5.0	15nΔ	22m1	1.0 Δ	-55	22m1	1.0 Δ	-55	125	2	G03248a	FP28g	
43#	T105B1	1.3		MON	1.6%	.85*	TTL	61	10	0.0	5.0	18nΔ	22m1	1.0 Δ	0	75	22m1	1.0 Δ	0	75	2	G03248	M126u
44#	T105D1	1.3		MON	1.6%	.85*	TTL	61	10	0.0	5.0	18nΔ	22m1	1.0 Δ	0	75	22m1	1.0 Δ	0	75	2	G03248	M294
45#	T105F1	1.3		MON	1.6%	.85*	TTL	61	10	0.0	5.0	18nΔ	22m1	1.0 Δ	0	75	22m1	1.0 Δ	0	75	2	G03248	FP28g
46#	T108B1	1.3		MON	1.6%	.85*	TTL	11Δ	10	0.0	5.0	18nΔ	11m1	1.0 Δ	0	75	11m1	1.0 Δ	0	75	1	G03249	M126u
47#	T108D1	1.3		MON	1.6%	.85*	TTL	11Δ	10	0.0	5.0	18nΔ	11m1	1.0 Δ	0	75	11m1	1.0 Δ	0	75	1	G03249	M294
48#	T108F1	1.3		MON	1.6%	.85*	TTL	11Δ	10	0.0	5.0	18nΔ	11m1	1.0 Δ	0	75	11m1	1.0 Δ	0	75	1	G03249	FP28g
49#	T115B1	1.3		MON	1.6%	.85*	TTL	4	10	0.0	5.0	18nΔ	22m1	1.0 Δ	0	75	22m1	1.0 Δ	0	75	2	G03248a	M126u
50#	T115D1	1.3		MON	1.6%	.85*	TTL	4	10	0.0	5.0	18nΔ	22m1	1.0 Δ	0	75	22m1	1.0 Δ	0	75	2	G03248a	M294
51#	T115F1	1.3		MON	1.6%	.85*	TTL	4	10	0.0	5.0	18nΔ	22m1	1.0 Δ	0	75	22m1	1.0 Δ	0	75	2	G03248a	FP28g
52	TG250F	1.3		MON	1.7%	1.1*	TTL	10Δ	15	0.0	7.0	22m1	1.0 Δ	-55	125	22m1	1.0 Δ	-55	125	1	G03204	FP21c	
53	TG250F	1.3		MON	1.7%	1.1*	TTL	10Δ	15	0.0	7.0	22m1	1.0 Δ	-55	125	22m1	1.0 Δ	-55	125	1	G03204	TO116	
54	TG251F	1.3		MON	1.7%	1.1*	TTL	10Δ	7	0.0	7.0	22m1	1.0 Δ	-55	125	22m1	1.0 Δ	-55	125	1	G03204	FP21c	
55	TG251J	1.3		MON	1.7%	1.1*	TTL	10Δ	7	0.0	7.0	22m1	1.0 Δ	-55	125	22m1	1.0 Δ	-55	125	1	G03204	TO116	
56	TG252F	1.3		MON	1.7%	1.1*	TTL	10Δ	15	0.0	7.0	22m1	1.0 Δ	0	75	22m1	1.0 Δ	0	75	1	G03204	FP21c	
57	TG252J	1.3		MON	1.7%	1.1*	TTL	10Δ	15	0.0	7.0	22m1	1.0 Δ	0	75	22m1	1.0 Δ	0	75	1	G03204	TO116	
58	TG253F	1.3		MON	1.7%	1.1*	TTL	10Δ	7	0.0	7.0	22m1	1.0 Δ	0	75	22m1	1.0 Δ	0	75	1	G03204	FP21c	
59	TG253J	1.3		MON	1.7%	1.1*	TTL	10Δ	7	0.0	7.0	22m1	1.0 Δ	0	75	22m1	1.0 Δ	0	75	1	G03204	TO116	
60	TG110F	1.3		MON	1.7%	1.2*	TTL	10Δ	15	0.0	5.0	22nΔ	20m1	1.1 Δ	-55	125	20m1	1.1 Δ	-55	125	1	G02191	TO86
61	TG110J	1.3		MON	1.7%	1.2*	TTL	10Δ	15	0.0	5.0	22nΔ	20m1	1.1 Δ	-55	125	20m1	1.1 Δ	-55	125	1	G02191	M157c
62	TG111F	1.3		MON	1.7%	1.2*	TTL	10Δ	15	0.0	5.0	22nΔ	20m1	1.1 Δ	-55	125	20m1	1.1 Δ	-55	125	1	G02191	TO86
63	TG111J	1.3		MON	1.7%	1.2*	TTL	10Δ	15	0.0	5.0	22nΔ	20m1	1.1 Δ	-55	125	20m1	1.1 Δ	-55	125	1	G02191	M157c
64	TG112F	1.3		MON	1.7%	1.2*	TTL	10Δ	15	0.0	5.0	22nΔ	20m1	1.1 Δ	-55	125	20m1	1.1 Δ	-55	125	1	G02191	TO86
65	TG112J	1.3		MON	1.7%	1.2*	TTL	10Δ	15	0.0	5.0	22nΔ	20m1	1.1 Δ	-55	125	20m1	1.1 Δ	-55	125	1	G02191	M157c
66	TG113F	1.3		MON	1.7%	1.2*	TTL	10Δ	15	0.0	5.0	22nΔ	20m1	1.1 Δ	-55	125	20m1	1.1 Δ	-55	125	1	G02191	TO86
67	TG113J	1.3		MON	1.7%	1.2*	TTL	10Δ	15	0.0	5.0	22nΔ	20m1	1.1 Δ	-55	125	20m1	1.1 Δ	-55	125	1	G02191	M157c
68	9LS51DM	1.3		MON	2.0%	.70*	TTL	61	2.5	0.0	5.0	8.0n	14m%	300m	-55	125	14m%	300m	-55	125	2	G01269	TO116
69</																							

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL			FAN OUT MAX.		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. °C		CKT PER MOD	DRAWINGS	
					'1' (V)	'0' (V)	TYPE	IN	OUT	NEG. (V)	POS. (V)		FALL TIME tf (s)	LOW			HI	LOGIC DWG. No		OUTLINE DWG. No Δ=MO	
																					3
1#	FJH176	1,3	MON	2.0%	.80*	TTL	8†	10	0.0	5.0	13n	28m†	400m	-40	85	2	G01204	TO116			
2#	FJH181	1,3	MON	2.0%	.80*	TTL	6†	10	0.0	5.0	13n	28m†	400m	0	70	2	G01205	TO116			
3#	FJH186	1,3	MON	2.0%	.80*	TTL	6†	10	0.0	5.0	13n	28m†	400m	-40	85	2	G01205	TO116			
4#	GFB7450	1,3	MON	2.0%	.80*	TTL	6†	10	0.0	5.0	13n	28m†	400m	0	70	2	G03174	TO116			
5#	GFB7451	1,3	MON	2.0%	.80*	TTL	4	10	0.0	5.0	13n	28m†	400m	0	70	2	G01203	TO116			
6#	GFB7453	1,3	MON	2.0%	.80*	TTL	8†	10	0.0	5.0	13n	28m†	400m	0	70	2	G01204	TO116			
7#	GFB7454	1,3	MON	2.0%	.80*	TTL	6†	10	0.0	5.0	13n	28m†	400m	0	70	2	G01205	TO116			
8#	GJB74H50P	1,3	MON	2.0%	.80*	TTL	6†	10	0.0	5.0	13n	28m†	400m	0	70	2	G03174	TO116			
9#	GJB74H51P	1,3	MON	2.0%	.80*	TTL	4	10	0.0	5.0	13n	28m†	400m	0	70	2	G01203	TO116			
10#	GJB74H53P	1,3	MON	2.0%	.80*	TTL	11†	10	0.0	5.0	13n	28m†	400m	0	70	2	G01204	TO116			
11#	GJB74H54P	1,3	MON	2.0%	.80*	TTL	9	10	0.0	5.0	13n	28m†	400m	0	70	2	G01205	TO116			
12#	GJH151	1,3	MON	2.0%	.80*	TTL	6†	10	0.0	5.0	11nΔ	62m†	400m	0	70	2	G03248	M126n			
13#	GJH161	1,3	MON	2.0%	.80*	TTL	4	10	0.0	5.0	11nΔ	62m†	400m	0	70	2	G03248a	M126n			
14#	GJH171	1,3	MON	2.0%	.80*	TTL	11†	10	0.0	5.0	11nΔ	43m†	400m	0	70	1	G03249	M126n			
15#	GJH181	1,3	MON	2.0%	.80*	TTL	9	10	0.0	5.0	11nΔ	43m†	400m	0	70	1	G03249a	M126n			
16#	GTB74S64P	1,3	MON	2.0%	.80*	TTL	11	20	0.0	5.0	3.0n†	19m†	1.0 Δ	0	70	1	G01228a	M126n			
17	ITT74LS51	1,3	MON	2.0%	.80*	TTL	6†	10	0.0	5.0	20nΔ	14m	0	70	2	G01269	M126				
18	ITT74LS54	1,3	MON	2.0%	.80*	TTL	6†	10	0.0	5.0	20nΔ	10m	0	70	1	G03304	M126				
19#	MIC74H50J	1,3	MON	2.0%	.80*	TTL	6†	10	0.0	7.0	10nΔ	1.0 Δ	0	75	2	G03214	M157				
20#	MIC74H51J	1,3	MON	2.0%	.80*	TTL	4	10	0.0	7.0	10nΔ	1.0 Δ	0	75	2	G03214a	M157				
21#	MIC74H53J	1,3	MON	2.0%	.80*	TTL	11†	10	0.0	7.0	10nΔ	1.0 Δ	0	75	1	G03215	M157				
22#	MIC74H54J	1,3	MON	2.0%	.80*	TTL	9	10	0.0	7.0	10nΔ	1.0 Δ	0	75	1	G03215a	M157				
23#	MIC74H55J	1,3	MON	2.0%	.80*	TTL	10†	10	0.0	5.0	10nΔ	1.0 Δ	0	75	1	G03214b	TO116				
24#	MIC5450J	1,3	MON	2.0%	.80*	TTL	6Δ	10	0.0	5.0	22nΔ	29m†	400m	-55	125	2	G03248	TO116			
25#	MIC5451J	1,3	MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ	29m†	400m	-55	125	2	G03248a	TO116			
26#	MIC5453J	1,3	MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	22nΔ	23m†	400m	-55	125	1	G03249	TO116			
27#	MIC5454J	1,3	MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ	23m†	400m	-55	125	1	G03249a	TO116			
28#	MIC6450J	1,3	MON	2.0%	.80*	TTL	6Δ	10	0.0	5.0	22nΔ	29m†	400m	-40	85	2	G01193a	TO116			
29#	MIC6451J	1,3	MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ	29m†	400m	-40	85	2	G01193c	TO116			
30#	MIC6453J	1,3	MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	22nΔ	23m†	400m	-40	85	1	G01194a	TO116			
31#	MIC6454J	1,3	MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ	23m†	400m	-40	85	1	G01194c	TO116			
32#	MIC7450J	1,3	MON	2.0%	.80*	TTL	6Δ	10	0.0	5.0	22nΔ	29m†	400m	0	75	2	G03248	TO116			
33#	MIC7450N	1,3	MON	2.0%	.80*	TTL	6Δ	10	0.0	5.0	22nΔ	29m†	400m	0	75	2	G03248	M126x			
34#	MIC7451J	1,3	MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ	29m†	400m	0	75	2	G03248a	TO116			
35#	MIC7451N	1,3	MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ	29m†	400m	0	75	2	G03248a	M126x			
36#	MIC7453J	1,3	MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	22nΔ	23m†	400m	0	75	1	G03249	TO116			
37#	MIC7453N	1,3	MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	22nΔ	23m†	400m	0	75	1	G03249	M126x			
38#	MIC7454J	1,3	MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ	23m†	400m	0	75	1	G03249a	TO116			
39#	MIC7454N	1,3	MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ	23m†	400m	0	75	1	G03249a	M126x			
40	N74H50A	1,3	MON	2.0%	.80*	TTL	6†	10	0.0	5.0	6.8n	120m‡	0	70	2	G03269b	M318				
41	N74H51A	1,3	MON	2.0%	.80*	TTL	4	10	0.0	5.0	6.8n	120m‡	0	70	2	G03269d	M318				
42	N74H53A	1,3	MON	2.0%	.80*	TTL	11†	10	0.0	5.0	7.0n	70m‡	0	70	1	G03268	M318				
43	N74H54A	1,3	MON	2.0%	.80*	TTL	9	10	0.0	5.0	7.0n	70m‡	0	70	1	G03268b	M318				
44	N74H55A	1,3	MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	7.0n	60m‡	0	70	1	G03269	M318				
45	N74LS51A	1,3	MON	2.0%	.80*	TTL	6†	20	0.0	5.0	12n	7mΔ	0	70	2	G01269	M318				
46	N74LS54A	1,3	MON	2.0%	.80*	TTL	10	20	0.0	5.0	12n	4.5m†	0	70	1	G01270	M318				
47	N74LS55A	1,3	MON	2.0%	.80*	TTL	8	10	0.0	5.0	12n	2.7mΔ	0	70	1	G01271	M318				
48	NC74H50N	1,3	MON	2.0%	.80*	TTL	6†	10	0.0	7.0	10nΔ	1.0 Δ	0	70	2	G03214	M126				
49	NC74H51N	1,3	MON	2.0%	.80*	TTL	4	10	0.0	7.0	10nΔ	1.0 Δ	0	70	2	G03214a	M126				
50	NC74H53N	1,3	MON	2.0%	.80*	TTL	11†	10	0.0	7.0	10nΔ	1.0 Δ	0	70	1	G03215	M126				
51	NC74H54N	1,3	MON	2.0%	.80*	TTL	9	10	0.0	7.0	10nΔ	1.0 Δ	0	70	1	G03215a	M126				
52	NC74H55N	1,3	MON	2.0%	.80*	TTL	10†	10	0.0	7.0	10nΔ	1.0 Δ	0	70	2	G03214b	M126				
53	NC7450N	1,3	MON	2.0%	.80*	TTL	4	10	0.0	7.0	13n‡	14mΔ	1.0	0	70	2	G03174a	TO116			
54	NC7451N	1,3	MON	2.0%	.80*	TTL	4	10	0.0	7.0	13n‡	40m†	1.0 Δ	0	70	2	G03174a	M126			
55	NC7453N	1,3	MON	2.0%	.80*	TTL	9	10	0.0	7.0	13n‡	14mΔ	1.0	0	70	2	G03174a	TO116			
56	NC7454N	1,3	MON	2.0%	.80*	TTL	6	10	0.0	5.0	22n‡	14m†	1.0	0	70	2	G03175a	M126			
57	RSN54H56H	1,3	MON	2.0%	.80*	TTL	8	10	0.0	5.0	15nΔ	125m‡	-55	125	2	G01250	FP69b				
58	RSN54H57H	1,3	MON	2.0%	.80*	TTL	11	10	0.0	5.0	15nΔ	80m‡	-55	125	1	G01251	FP69b				
59	RSN54H58H	1,3	MON	2.0%	.80*	TTL	8	10	0.0	5.0	15nΔ	65m‡	-55	125	1	G01250a	FP69b				
60	RSN54H66H	1,3	MON	2.0%	.80*	TTL	8	10	0.0	5.0	15nΔ	125m‡	-55	125	2	G01250b	FP69b				
61	RSN5456H	1,3	MON	2.0%	.80*	TTL	6	10	0.0	5.0	20nΔ	70m‡	-55	125	2	G01251	FP69b				
62	RSN5457H	1,3	MON	2.0%	.80*	TTL	11	10	0.0	5.0	20nΔ	50m‡	-55	125	1	G01251	FP69b				
63	RSN5458H	1,3	MON	2.0%	.80*	TTL	8	10	0.0	5.0	20nΔ	35m‡	-55	125	1	G01250a	FP69b				
64	S54H50A	1,3	MON	2.0%	.80*	TTL	6†	10	0.0	5.0	6.8n	120m‡	-55	125	2	G03269b	M318				
65	S54H51A	1,3	MON	2.0%	.80*	TTL	4	10	0.0	5.0	6.8n	120m‡	-55	125	2	G03269d	M318				
66	S54H53A	1,3	MON	2.0%	.80*	TTL	11†	10	0.0	5.0	7.0n	70m‡	-55	125	1	G03268	M318				
67	S54H54A	1,3	MON	2.0%	.80*	TTL	9	10	0.0	5.0	7.0n	70m‡	-55	125	1	G03268b	M318				
68	S54H55A	1,3	MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	7.0n	70m‡	-55	125	1	G03269	M318				
69	SN54H50N	1,3	MON	2.0%	.80*	TTL	6†	10	0.0	7.0	10nΔ	60m‡	-55	125	2	G03214	M126				
70	SN54H51N	1,3	MON	2.0%	.80*	TTL	4	10	0	7	10nΔ	1.0 Δ	-55	125	2	G03214a	M126				
71	SN54H53N	1,3	MON	2.0%	.80*	TTL	11†	10	0	7.0	10nΔ	1.0 Δ	-55	125	1	G03215	M126				
72	SN54H54N	1,3	MON	2.0%	.80*	TTL	9	10	0	7	10nΔ	1.0 Δ	-55	125	1	G03215a	M126				
73	SN54H55N	1,3	MON	2.0%	.80*	TTL	10†	10	0.0	7.0	10nΔ	1.0 Δ	-55	125	1	G03214b	M126				
74	SN54S64N	1,3	MON	2.0%	.80*	TTL	11	20	0.0	5.0	3.5n†	39m†	1.0 Δ	-55	125	1	G01228a	M126e			
75	SN54S65N	1,3	MON	2.0%	.80*	TTL	11	10	0.0	5.0	5.0n†	36m†	1.0 Δ	-55	125	1	G01228	M126e			
76	SN74H50W	1,3	MON	2.0%	.80*	TTL	6†	10	0.0	5.0	10nΔ	60m†	1.0 Δ	0	70	2	G03214	TO84			
77	SN74H51W	1,3	MON	2.0%	.80*	TTL	4	10	0.0	5.0	10nΔ	60m†	1.0 Δ	0	70	2	G03214a	TO84			
78	SN74H54W	1,3	MON	2.0%	.80*	TTL	9	10	0.0	5.0	10nΔ	40m†	1.0 Δ	0	70	1	G03215a	TO84			
79	SN74H55W	1,3	MON	2.0%	.80*	TTL	10†	10	0.0	5.0											

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	TYPE No.	1] TYPE OF GATE	5] MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL			FAN OUT MAX.		POWER SUPPLY SPAN		PROPAGA-TION DELAY (s)	MAX. RISE TIME (tr)		MAX. FALL TIME (tf)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS									
					3] '1' (V)	4] '0' (V)	2] TYPE	IN	OUT	NEG. (V)	POS. (V)		R	F				L	H		C	D	E	F	G	H	I	J	K	L
1#	T7450D1	1.3	MON	2.0%	.80*	TTL	6†	10	0.0	5.0	22nΔ	20m†	1.0 Δ	0	70	2	G02170	M294												
2#	T7450D2	1.3	MON	2.0%	.80*	TTL	6†	10	0.0	5.0	22nΔ	20m†	1.0 Δ	-55	125	2	G02170	M294												
3#	T7451B1	1.3	MON	2.0%	.80*	TTL	6†	10	0.0	5.0	22nΔ	20m†	1.0 Δ	0	70	2	G03177a	M126u												
4#	T7451D1	1.3	MON	2.0%	.80*	TTL	6†	10	0.0	5.0	22nΔ	20m†	1.0 Δ	0	70	2	G03177a	M294												
5#	T7451D2	1.3	MON	2.0%	.80*	TTL	6†	10	0.0	5.0	22nΔ	20m†	1.0 Δ	-55	125	2	G03177a	M294												
6#	T7453B1	1.3	MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	22nΔ	10m†	1.0 Δ	0	70	1	G03249	M126u												
7#	T7453D1	1.3	MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	22nΔ	10m†	1.0 Δ	0	70	1	G03249	M294												
8#	T7453D2	1.3	MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	22nΔ	10m†	1.0 Δ	-55	125	1	G03249	M294												
9#	T7454B1	1.3	MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ	10m†	1.0 Δ	0	70	1	G03249a	M126u												
10#	T7454D1	1.3	MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ	10m†	1.0 Δ	0	70	1	G03249a	M294												
11#	T7454D2	1.3	MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ	10m†	1.0 Δ	-55	125	1	G03249a	M294												
12#	T7460D1	1.3	MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	30nΔ	20m†	1.0 Δ	0	70	2	G02172	M294												
13	TG54S50F	1.3	MON	2.0%	.80*	TTL	6†	20	0.0	5.0	5.5nΔ	80m‡		-55	125	2	G03248	T086												
14	TG54S50J	1.3	MON	2.0%	.80*	TTL	6†	20	0.0	5.0	5.5nΔ	80m‡		-55	125	2	G03248	M157c												
15	TG54S51F	1.3	MON	2.0%	.80*	TTL	6†	20	0.0	5.0	5.5nΔ	80m‡		-55	125	2	G03248	T086												
16	TG54S51J	1.3	MON	2.0%	.80*	TTL	6†	20	0.0	5.0	5.5nΔ	80m‡		-55	125	2	G03248	M157c												
17	TG54S64F	1.3	MON	2.0%	.80*	TTL	11	20	0.0	5.0	5.5nΔ	80m‡		-55	125	1	G01228a	T086												
18	TG54S64J	1.3	MON	2.0%	.80*	TTL	11	20	0.0	5.0	5.5nΔ	80m‡		-55	125	1	G01228a	M157c												
19	TG54S65F	1.3	MON	2.0%	.80*	TTL	11	20	0.0	5.0	8.5nΔ	80m‡		-55	125	1	G01228	T086												
20	TG54S65J	1.3	MON	2.0%	.80*	TTL	11	20	0.0	5.0	8.5nΔ	80m‡		-55	125	1	G01228	M157c												
21	TG74S50F	1.3	MON	2.0%	.80*	TTL	6†	20	0.0	5.0	5.5nΔ	80m‡		0	70	2	G03248	T086												
22	TG74S50J	1.3	MON	2.0%	.80*	TTL	6†	20	0.0	5.0	5.5nΔ	80m‡		0	70	2	G03248	M157c												
23	TG74S51F	1.3	MON	2.0%	.80*	TTL	6†	20	0.0	5.0	5.5nΔ	80m‡		0	70	2	G03248	T086												
24	TG74S51J	1.3	MON	2.0%	.80*	TTL	6†	20	0.0	5.0	5.5nΔ	80m‡		0	70	2	G03248	M157c												
25	TG74S64F	1.3	MON	2.0%	.80*	TTL	11	20	0.0	5.0	5.5nΔ	80m‡		0	70	1	G01228a	T086												
26	TG74S64J	1.3	MON	2.0%	.80*	TTL	11	20	0.0	5.0	5.5nΔ	80m‡		0	70	1	G01228a	M157c												
27	TG74S65F	1.3	MON	2.0%	.80*	TTL	11	20	0.0	5.0	8.5nΔ	80m‡		0	70	1	G01228	T086												
28	TG74S65J	1.3	MON	2.0%	.80*	TTL	11	20	0.0	5.0	8.5nΔ	80m‡		0	70	1	G01228	M157c												
29#	TL7450N	1.3	MON	2.0%	.80*	TTL	6Δ	10	0.0	5.0	22nΔ	55m†		0	70	2	G03236b	M126n												
30#	TL7451N	1.3	MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ	55m†		0	70	2	G03236a	M126n												
31#	TL7453N	1.3	MON	2.0%	.80*	TTL	10Δ	10	0.0	5.0	22nΔ	45m†		0	70	1	G03268d	M126n												
32#	TL7454N	1.3	MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ	45m†		0	70	1	G03268e	M126n												
33#	TL8451N	1.3	MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ	55m†		-25	85	2	G03236a	M126n												
34#	TL8454N	1.3	MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ	45m†		-25	85	1	G03268e	M126n												
35	TRW7450#1	1.3	MON	2.0%	.80	TTL	6†	10	0.0	5.0	20n%	20m†		0	70	2	G03174	M157												
36	TRW7450#2	1.3	MON	2.0%	.80	TTL	6†	10	0.0	5.0	20n%	20m†		0	70	2	G03174	M126												
37	TRW7451#1	1.3	MON	2.0%	.80	TTL	4	10	0.0	5.0	20n%	20m†		0	70	2	G03174a	M157												
38	TRW7451#2	1.3	MON	2.0%	.80	TTL	4	10	0.0	5.0	20n%	20m†		0	70	2	G03174a	M126												
39	TRW7453#1	1.3	MON	2.0%	.80	TTL	9	10	0.0	5.0	22n	14m	1.0	0	70	1	G03175	M126												
40	TRW7453#2	1.3	MON	2.0%	.80	TTL	9	10	0.0	5.0	22n	14m	1.0	0	70	1	G03175	M157												
41	TRW7454#1	1.3	MON	2.0%	.80	TTL	8	10	0.0	5.0	22n	14m	1.0	0	70	1	G03175	M126												
42	TRW7454#2	1.3	MON	2.0%	.80	TTL	8	10	0.0	5.0	22n	14m	1.0	0	70	1	G03175	M157												
43	US54H50A	1.3	MON	2.0%	.80*	TTL	6†	10	0.0	5.0	11nΔ	10n	10n	1.0 Δ	-55	125	2	G03214	M105b											
44	US54H50J	1.3	MON	2.0%	.80*	TTL	6†	10	0.0	5.0	11nΔ	10n	10n	1.0 Δ	-55	125	2	G03214	T088											
45	US54H51A	1.3	MON	2.0%	.80*	TTL	4	10	0.0	5.0	11nΔ	10n	10n	1.0 Δ	-55	125	2	G03214a	M105b											
46	US54H51J	1.3	MON	2.0%	.80*	TTL	4	10	0.0	5.0	11nΔ	10n	10n	1.0 Δ	-55	125	2	G03214a	T088											
47	US54H53A	1.3	MON	2.0%	.80*	TTL	11†	10	0.0	5.0	11nΔ	10n	10n	1.0 Δ	-55	125	1	G03215a	M105b											
48	US54H53J	1.3	MON	2.0%	.80*	TTL	11†	10	0.0	5.0	11nΔ	10n	10n	1.0 Δ	-55	125	1	G03215	T088											
49	US54H54A	1.3	MON	2.0%	.80*	TTL	9	10	0.0	5.0	11nΔ	10n	10n	1.0 Δ	-55	125	1	G03215a	M105b											
50	US54H54J	1.3	MON	2.0%	.80*	TTL	9	10	0.0	5.0	11nΔ	10n	10n	1.0 Δ	-55	125	1	G03215a	T088											
51	US54H55A	1.3	MON	2.0%	.80*	TTL	10†	10	0.0	5.0	11nΔ	10n	10n	1.0 Δ	-55	125	1	G03214b	M105b											
52	US54H55J	1.3	MON	2.0%	.80*	TTL	10†	10	0.0	5.0	11nΔ	10n	10n	1.0 Δ	-55	125	1	G03214b	T088											
53	US74H50A	1.3	MON	2.0%	.80*	TTL	6†	10	0.0	5.0	11nΔ	10n	10n	1.0 Δ	0	70	2	G03214	M105b											
54	US74H50J	1.3	MON	2.0%	.80*	TTL	6†	10	0.0	5.0	11nΔ	10n	10n	1.0 Δ	0	70	2	G03214	T088											
55	US74H51A	1.3	MON	2.0%	.80*	TTL	4	10	0.0	5.0	11nΔ	10n	10n	1.0 Δ	0	70	2	G03214a	M105b											
56	US74H51J	1.3	MON	2.0%	.80*	TTL	4	10	0.0	5.0	11nΔ	10n	10n	1.0 Δ	0	70	2	G03214a	T088											
57	US74H53A	1.3	MON	2.0%	.80*	TTL	11†	10	0.0	5.0	11nΔ	10n	10n	1.0 Δ	0	70	1	G03215	M105b											
58	US74H53J	1.3	MON	2.0%	.80*	TTL	11†	10	0.0	5.0	11nΔ	10n	10n	1.0 Δ	0	70	1	G03215	T088											
59	US74H54A	1.3	MON	2.0%	.80*	TTL	9	10	0.0	5.0	11nΔ	10n	10n	1.0 Δ	0	70	1	G03215a	M105b											
60	US74H54J	1.3	MON	2.0%	.80*	TTL	9	10	0.0	5.0	11nΔ	10n	10n	1.0 Δ	0	70	1	G03215a	T088											
61	US74H55A	1.3	MON	2.0%	.80*	TTL	10†	10	0.0	5.0	11nΔ	10n	10n	1.0 Δ	0	70	1	G03214b	M105b											
62	US74H55J	1.3	MON	2.0%	.80*	TTL	10†	10	0.0	5.0	11nΔ	10n	10n	1.0 Δ	0	70	1	G03214b	T088											
63	US5450A	1.3	MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	10n	18n	8.0n	-55	125	2	G03243	M105b												
64	US5450J	1.3	MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	10n	18n	8.0n	-55	125	2	G03243	T088												
65	US5451A	1.3	MON	2.0%	.80*	TTL	4	10	0.0	5.0	10n	18n	8.0n	-55	125	2	G03243a	M105b												
66	US5451J	1.3	MON	2.0%	.80*	TTL	4	10	0.0	5.0	10n	18n	8.0n	-55	125	2	G03243a	T088												
67	US5453A	1.3	MON	2.0%	.80*	TTL	9Δ	10	0.0	5.0	10n	18n	8.0n	-55	125	1	G03243b	M105b												
68	US5453J	1.3	MON	2.0%	.80*	TTL	9Δ	10	0.0	5.0	10n	18n	8.0n	-55	125	1	G03243b	T088												
69	US5454A	1.3	MON	2.0%	.80*	TTL	8	10	0.0	5.0	10n	18n	8.0n	-55	125	1	G03243c	M105b												
70	US5454J	1.3	MON	2.0%	.80*	TTL	8	10	0.0	5.0	10n	18n	8.0n	-55	125	1	G03243c	T088												
71	US5459A	1.3	MON	2.0%	.80*	TTL	5	10	0.0	5.0	10n	18n	8.0n	-55	125	2	G03243d	M105b												
72	US5459J	1.3	MON	2.0%	.80*	TTL	5	10	0.0	5.0	10n	18n	8.0n	-55	125	2	G03243d	T088												
73	US7450A	1.3	MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	10n	18n	8.0n	0	70	2	G03243	M105b												
74	US7450J	1.3	MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	10n	18n	8.0n	0	70	2	G03243	T088												
75	US7451A	1.3	MON	2.0%	.80*	TTL	4	10	0.0	5.0	10n	18n	8.0n	0	70	2	G03243a	M105b												
76	US7451J	1.3	MON	2.0%	.8																									

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL			FAN IN		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. °C		CKT PER MOD	DRAWINGS	
					3	4	2	IN	OUT MAX.	NEG. (V)	POS. (V)		tr	tf			LOW	HI		LOGIC DWG. No	OUTLINE DWG. No
1	RG292J	1.3		MON	3.0%	.45*	TTL	5	15	0.0	7.0	12n	4.5n	3.0n	80m	1.0	0	75	2	G03209b	TO116
2	RG210BL	1.3		MON	3.1%	.40*	TTL	10Δ	11	0.0	5.0	11nΔ	4.5n	3.0n	22m	1.0	-55	125	1	G01163	CH5a
3	RG211BL	1.3		MON	3.1%	.40*	TTL	10Δ	6	0.0	5.0	11nΔ	4.5n	3.0n	22m	1.0	-55	125	1	G01163	CH5a
4	RG250BL	1.3		MON	3.1%	.40*	TTL	10Δ	11	0.0	5.0	12nΔ	4.5n	3.0n	22m	1.0	-55	125	1	G01164	CH5a
5	RG251BL	1.3		MON	3.1%	.40*	TTL	10Δ	6	0.0	5.0	12nΔ	4.5n	3.0n	22m	1.0	-55	125	1	G01164	CH5a
6	6G210D	1.3		MON	3.2%	.40*	TTL	9Δ	11	0	6	6.0n	3.0n	4.5n	22m	1.0	-55	125	1	G01163	M126b
7	6G210G	1.3		MON	3.2%	.40*	TTL	9Δ	11	0	6	6.0n	3.0n	4.5n	22m	1.0	-55	125	1	G01163	FP57
8	6G210K	1.3		MON	3.2%	.40*	TTL	9Δ	11	0	6	6.0n	3.0n	4.5n	22m	1.0	-55	125	1	G01163	M105h
9	6G211D	1.3		MON	3.2%	.40*	TTL	9Δ	6	0	6	6.0n	3.0n	4.5n	22m	1.0	-55	125	1	G01163	M126b
10	6G211G	1.3		MON	3.2%	.40*	TTL	9Δ	6	0	6	6.0n	3.0n	4.5n	22m	1.0	-55	125	1	G01163	FP57
11	6G211K	1.3		MON	3.2%	.40*	TTL	9Δ	6	0	6	6.0n	3.0n	4.5n	22m	1.0	-55	125	1	G01163	M105h
12	6G250D	1.3		MON	3.2%	.40*	TTL	9	11	0	6	6.0n	3.0n	4.5n	22m	1.0	0	75	1	G01164	M126b
13	6G250G	1.3		MON	3.2%	.40*	TTL	9	11	0	6	6.0n	3.0n	4.5n	22m	1.0	0	75	1	G01164	FP57
14	6G250K	1.3		MON	3.2%	.40*	TTL	9	11	0	6	6.0n	3.0n	4.5n	22m	1.0	-55	125	1	G04164	M105h
15	6G251D	1.3		MON	3.2%	.40*	TTL	9	6	0	6	6.0n	3.0n	4.5n	22m	1.0	-55	125	1	G04164	M126b
16	6G251G	1.3		MON	3.2%	.40*	TTL	9	6	0	6	6.0n	3.0n	4.5n	22m	1.0	-55	125	1	G04164	FP57
17	6G251K	1.3		MON	3.2%	.40*	TTL	9	6	0	6	6.0n	3.0n	4.5n	22m	1.0	-55	125	1	G04164	M105h
18	TG291F	1.3		MON	3.3	.26	TTL	5	6	0.0	5.0	15nΔ	5.0n	8.0n	38m	400mΔ	-55	125	2	G03209b	FP21c
19	TG291J	1.3		MON	3.3	.26	TTL	5	6	0.0	5.0	15nΔ	5.0n	8.0n	38m	400mΔ	-55	125	2	G03209b	TO116
20	TG293F	1.3		MON	3.3	.26	TTL	5	6	0.0	5.0	15nΔ	5.0n	8.0n	38m	550mΔ	0	75	2	G03209b	FP21c
21	TG293J	1.3		MON	3.3	.26	TTL	5	6	0.0	5.0	15nΔ	5.0n	8.0n	38m	550mΔ	0	75	2	G03209b	TO116
22	TRWG210#1	1.3		MON	3.3	.26	TTL	9	11	0.0	5.0	6.0n	3.0n	4.5n	44m	1.0	-55	125	1	G01163	M157
23	TRWG210#2	1.3		MON	3.3	.26	TTL	9	11	0.0	5.0	6.0n	3.0n	4.5n	44m	1.0	-55	125	1	G01163	M126
24	TRWG250#1	1.3		MON	3.3	.26	TTL	10	11	0.0	5.0	6.0n	3.0n	4.5n	156m	1.0	-55	125	1	G01164	M157
25	TRWG250#2	1.3		MON	3.3	.26	TTL	10	11	0.0	5.0	6.0n	3.0n	4.5n	156m	1.0	-55	125	1	G01164	M126
26	6G70G	1.3	20M	MON	3.3	.26	TTL	6†	15†	0	5	12n	6.0n	8.0n	40m	900m	-55	125	2	G01156	TO84
27	6G70K	1.3	20M	MON	3.3	.26	TTL	6†	15†	0	5	12n	6.0n	8.0n	40m	900m	-55	125	2	G01156	TO116
28	6G71G	1.3	20M	MON	3.3	.26	TTL	6†	7†	0	5	12n	6.0n	8.0n	40m	900m	-55	125	2	G01156	TO84
29	6G71K	1.3	20M	MON	3.3	.26	TTL	6†	7†	0	5	12n	6.0n	8.0n	40m	900m	-55	125	2	G01156	TO116
30	6G72D	1.3	20M	MON	3.3	.26	TTL	6†	12†	0	5	12n	6.0n	8.0n	40m	900m	0	75	2	G01156	TO116
31	6G72G	1.3	20M	MON	3.3	.26	TTL	6†	12†	0	5	12n	6.0n	8.0n	40m	900m	0	75	2	G01156	TO84
32	6G73D	1.3	20M	MON	3.3	.26	TTL	6†	6†	0	5	12n	6.0n	8.0n	40m	900m	0	75	2	G01156	TO116
33	6G73G	1.3	20M	MON	3.3	.26	TTL	6†	6†	0	5	12n	6.0n	8.0n	40m	900m	0	75	2	G01156	TO84
34	SG70	1.3	20M	MON	3.3	.26	TTL	6†	15†	0	5	12n	6.0n	8.0n	40m	900m	-55	125	2	G01156	ZB100
35	SG71	1.3	20M	MON	3.3	.26	TTL	6†	7†	0	5	12n	6.0n	8.0n	40m	900m	-55	125	2	G01156	ZB100
36	SG72	1.3	20M	MON	3.3	.26	TTL	6†	12†	0	5	12n	6.0n	8.0n	40m	900m	0	75	2	G01156	ZB100
37	SG73	1.3	20M	MON	3.3	.26	TTL	6†	6†	0	5	12n	6.0n	8.0n	40m	900m	0	75	2	G01156	ZB100
38	SNG70J	1.3	20M	MON	3.3	.26	TTL	6†	15†	0.0	5.0	12n	6.0n	8.0n	40m	900m	-55	125	2	G01156	M157b
39	SNG70W	1.3	20M	MON	3.3	.26	TTL	6†	15†	0.0	5.0	12n	6.0n	8.0n	40m	900m	-55	125	2	G01156	Δ004AF
40	SNG71J	1.3	20M	MON	3.3	.26	TTL	6†	7†	0.0	5.0	12n	6.0n	8.0n	40m	900m	-55	125	2	G01156	M157b
41	SNG71W	1.3	20M	MON	3.3	.26	TTL	6†	7†	0.0	5.0	12n	6.0n	8.0n	40m	900m	-55	125	2	G01156	Δ004AF
42	SNG72J	1.3	20M	MON	3.3	.26	TTL	6†	12†	0.0	5.0	12n	6.0n	8.0n	40m	900m	0	75	2	G01156	M157b
43	SNG72W	1.3	20M	MON	3.3	.26	TTL	6†	12†	0.0	5.0	12n	6.0n	8.0n	40m	900m	0	75	2	G01156	Δ004AF
44	SNG73J	1.3	20M	MON	3.3	.26	TTL	6†	6†	0.0	5.0	12n	6.0n	8.0n	40m	900m	0	75	2	G01156	M157b
45	SNG73W	1.3	20M	MON	3.3	.26	TTL	6†	6†	0.0	5.0	12n	6.0n	8.0n	40m	900m	0	75	2	G01156	Δ004AF
46	TG70F	1.3	20M	MON	3.3	.26	TTL	6†	15†	0.0	5.0	12n	6.0n	8.0n	40m	900m	-55	125	2	G01156	FP18
47	TG70J	1.3	20M	MON	3.3	.26	TTL	6†	15†	0.0	5.0	12n	6.0n	8.0n	40m	900m	-55	125	2	G01156	M75
48	TG71F	1.3	20M	MON	3.3	.26	TTL	6†	15†	0.0	5.0	12n	6.0n	8.0n	40m	900m	-55	125	2	G01156	FP18
49	TG71J	1.3	20M	MON	3.3	.26	TTL	6†	15†	0.0	5.0	12n	6.0n	8.0n	40m	900m	-55	125	2	G01156	M75
50	TG72F	1.3	20M	MON	3.3	.26	TTL	6†	15†	0.0	5.0	12n	6.0n	8.0n	40m	900m	0	75	2	G01156	FP18
51	TG72J	1.3	20M	MON	3.3	.26	TTL	6†	15†	0.0	5.0	12n	6.0n	8.0n	40m	900m	0	75	2	G01156	M75
52	TG73F	1.3	20M	MON	3.3	.26	TTL	6†	15†	0.0	5.0	12n	6.0n	8.0n	40m	900m	0	75	2	G01156	FP18
53	TG73J	1.3	20M	MON	3.3	.26	TTL	6†	15†	0.0	5.0	12n	6.0n	8.0n	40m	900m	0	75	2	G01156	M75
54	TRWG70#1	1.3	20M	MON	3.3	.26	TTL	6	15	0.0	5.0	12n	6.0n	8.0n	40m	900m	-55	125	2	G01156	M157
55	TRWG70#2	1.3	20M	MON	3.3	.26	TTL	6	15	0.0	5.0	12n	6.0n	8.0n	40m	900m	-55	125	2	G01156	M126
56	6G300G	1.3		MON	3.5	.25	TTL	10Δ	11	0	5	6.0n	3.0n	4.5n	36m	1.0	-55	125	1	G01159	TO84
57	6G300K	1.3		MON	3.5	.25	TTL	10Δ	11	0	5	6.0n	3.0n	4.5n	36m	1.0	-55	125	1	G01159	TO116
58	6G301G	1.3		MON	3.5	.25	TTL	10Δ	6	0	5	6.0n	3.0n	4.5n	36m	1.0	-55	125	1	G01159	TO84
59	6G301K	1.3		MON	3.5	.25	TTL	10Δ	6	0	5	6.0n	3.0n	4.5n	36m	1.0	-55	125	1	G01159	TO116
60	6G302D	1.3		MON	3.5	.25	TTL	10Δ	9	0	5	6.0n	3.0n	4.5n	36m	1.0	0	75	1	G01159	TO116
61	6G302G	1.3		MON	3.5	.25	TTL	10Δ	9	0	5	6.0n	3.0n	4.5n	36m	1.0	0	75	1	G01159	TO84
62	6G303D	1.3		MON	3.5	.25	TTL	10Δ	5	0	5	6.0n	3.0n	4.5n	36m	1.0	0	75	1	G01159	TO116
63	6G303G	1.3		MON	3.5	.25	TTL	10Δ	5	0	5	6.0n	3.0n	4.5n	36m	1.0	0	75	1	G01159	TO84
64	6G310G	1.3		MON	3.5	.25	TTL	6†	11	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	-55	125	2	G01158	TO84
65	6G310K	1.3		MON	3.5	.25	TTL	6†	11	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	-55	125	2	G01158	TO116
66	6G311G	1.3		MON	3.5	.25	TTL	6†	6	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	-55	125	2	G01158	TO84
67	6G311K	1.3		MON	3.5	.25	TTL	6†	6	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	-55	125	2	G01158	TO116
68	6G312D	1.3		MON	3.5	.25	TTL	6†	9	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	0	75	2	G01158	TO116
69	6G312G	1.3		MON	3.5	.25	TTL														

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL	LINE No.	TYPE No.	TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPAGA-TION DELAY (s)	MAX. RISE TIME		MAX. FALL TIME (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
						3 '1' (V)	4 '0' (V)	2 TYPE	IN	OUT MAX.	NEG. (V)	POS. (V)		tr (s)	tf (s)				LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=MO
	1	SNG303W	1.3		MON	3.5	25	TTL	10Δ	6†	11	0.0	5.0	6.0n	3.0n	4.5n	36m	1.0	0	75	1	G01159	Δ004AF
	2	SNG310J	1.3		MON	3.5	25	TTL	6†	11	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	-55	125	2	G01158	M157b	
	3	SNG310W	1.3		MON	3.5	25	TTL	6†	11	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	-55	125	2	G01158	Δ004AF	
	4	SNG311J	1.3		MON	3.5	25	TTL	6†	6	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	-55	125	2	G01158	M157b	
	5	SNG311W	1.3		MON	3.5	25	TTL	6†	6	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	-55	125	2	G01158	Δ004AF	
	6	SNG312J	1.3		MON	3.5	25	TTL	6†	9	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	0	75	2	G01158	M157b	
	7	SNG312W	1.3		MON	3.5	25	TTL	6†	9	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	0	75	2	G01158	Δ004AF	
	8	SNG313J	1.3		MON	3.5	25	TTL	6†	5	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	0	75	2	G01158	M157b	
	9	SNG313W	1.3		MON	3.5	25	TTL	6†	5	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	0	75	2	G01158	Δ004AF	
	10	TG310F	1.3		MON	3.5	25	TTL	6†	11	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	-55	125	2	G01158	FP18	
	11	TG310J	1.3		MON	3.5	25	TTL	6†	11	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	-55	125	2	G01158	M75	
	12	TG311F	1.3		MON	3.5	25	TTL	6†	9	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	0	75	2	G01158	FP18	
	13	TG311J	1.3		MON	3.5	25	TTL	6†	9	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	0	75	2	G01158	M75	
	14	TG312F	1.3		MON	3.5	25	TTL	6†	6	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	-55	125	2	G01158	FP18	
	15	TG312J	1.3		MON	3.5	25	TTL	6†	6	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	-55	125	2	G01158	M75	
	16	TG313F	1.3		MON	3.5	25	TTL	6†	5	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	0	75	2	G01158	FP18	
	17	TG313J	1.3		MON	3.5	25	TTL	6†	5	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	0	75	2	G01158	TO116	
	18	TRWG300#1	1.3	40M	MON	3.5	25	TTL	10	11	0.0	5.0	6.0n	3.0n	4.5n	36m	1.0	-55	125	1	G01159	M126	
	19	TRWG300#2	1.3	40M	MON	3.5	25	TTL	10	11	0.0	5.0	6.0n	3.0n	4.5n	36m	1.0	-55	125	1	G01159	M157	
	20	TRWG310#1	1.3	40M	MON	3.5	25	TTL	6	11	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	-55	125	2	G01158	M126	
	21	TRWG310#2	1.3	40M	MON	3.5	25	TTL	6	11	0.0	5.0	6.0n	3.0n	4.5n	174m	1.0	-55	125	2	G01158	M157	
	22	SWG210	1.3	35M	MON	3.5	26	TTL	10Δ	12	0.0	6.0	7.0n	3.0n	5.0n	30m	1.0	-55	125	2			
	23	SWG211	1.3	35M	MON	3.5	26	TTL	10Δ	6	0.0	6.0	7.0n	3.0n	5.0n	30m	1.0	-55	125	2			
	24	SWG212	1.3	35M	MON	3.5	26	TTL	10Δ	10	0.0	6.0	7.0n	3.0n	5.0n	30m	1.0	0	75	2			
	25	SWG213	1.3	35M	MON	3.5	26	TTL	10Δ	5	0.0	6.0	7.0n	3.0n	5.0n	30m	1.0	0	75	2			
	26	SWG250	1.3	35M	MON	3.5	26	TTL	11Δ	12	0.0	6.0	7.0n	3.0n	5.0n	43m	1.0	-55	125	4			
	27	SWG251	1.3	35M	MON	3.5	26	TTL	11Δ	6	0.0	6.0	7.0n	3.0n	5.0n	43m	1.0	-55	125	4			
	28	SWG252	1.3	35M	MON	3.5	26	TTL	11Δ	10	0.0	6.0	7.0n	3.0n	5.0n	43m	1.0	0	75	4			
	29	SWG253	1.3	35M	MON	3.5	26	TTL	11Δ	5	0.0	6.0	7.5n	3.0n	5.0n	43m	1.0	0	75	4			
	30	SN10108J	1.4		MON	-98%	-1.6*	ECT	4			5.2	0.0			50m†		0	85	2	G01265	M153d	
	31	SN10108N	1.4		MON	-98%	-1.6*	ECT	4			5.2	0.0			50m†		0	85	2	G01265	M117x	
	32#	SP404	1.4			-7.0%	-79*	ECT	4	3	7.0	0.0	7.0nΔ	4.5n	4.5n	160m*	0	75	2	G02129a	M257a		
	33#	SP405	1.4			-7.0%	-79*	ECT	4	3	7.0	0.0	7.0nΔ	4.5n	4.5n	160m*	0	75	2	G02129a	M257a		
	34#	SP406	1.4			-7.0%	-79*	ECT	4	3	7.0	0.0	7.0nΔ	4.5n	4.5n	160m*	0	75	2	G02129a	M257a		
	35#	SP480	1.4			-7.0%	-79*	ECT	3†		7.0	0.0	4.0nΔ	3.0n	3.0n	160m*	0	75	3	G02129c	M146b		
	36#	SP481	1.4			-7.0%	-79*	ECT	3†		7.0	0.0	4.0nΔ	3.0n	3.0n	160m*	0	75	3	G02129c	M146b		
	37#	SP484	1.4			-7.0%	-79*	ECT	5		7.0	0.0	4.0nΔ	3.0n	3.0n	160m*	0	75	2	G01220	M146b		
	38#	SP485	1.4			-7.0%	-79*	ECT	5		7.0	0.0	4.0nΔ	3.0n	3.0n	160m*	0	75	2	G01220	M146b		
	39	SW770-1F	1.4S		MON	1.8%	1.2*	DTL	10	8†	0	8	40n			16m	1.0	-55	125	1	G01172	FP52	
	40	SW770-1P	1.4S		MON	1.8%	1.2*	DTL	10	8	0.0	5.0	40n%			16m†	1.0 Δ	-55	125	1	G01172	TO116	
	41	SW771-1F	1.4S		MON	1.8%	1.2*	DTL	10	7†	0	8	30n			24m	1.0	-55	125	1	G01172	FP52	
	42	SW771-1P	1.4S		MON	1.8%	1.2*	DTL	10	7	0.0	5.0	30n%			28m†	1.0 Δ	-55	125	1	G01172	TO116	
	43	SW778-1F	1.4S		MON	1.8%	1.2*	DTL	4	8†	0	8	30n			32m	1.0	-55	125	2	G01172a	FP52	
	44	SW778-1P	1.4S		MON	1.8%	1.2*	DTL	4	8	0.0	5.0	30n%			16m†	1.0 Δ	-55	125	2	G01172a	TO116	
	45	SW779-1F	1.4S		MON	1.8%	1.2*	DTL	4	7†	0	8	20n			48m	1.0	-55	125	2	G01172a	FP52	
	46	SW779-1P	1.4S		MON	1.8%	1.2*	DTL	4	7	0.0	5.0	20n%			24m†	1.0 Δ	-55	125	2	G01172a	TO116	
	47	SW770-2F	1.4S		MON	1.9%	1.2*	DTL	10	8†	0	8	40n			16m	1.0	0	75	1	G01172	FP52	
	48	SW770-2M	1.4S		MON	1.9%	1.2*	DTL	10	8	0.0	5.0	40n%			16m†	800mΔ	0	75	1	G01172	M105n	
	49	SW770-2P	1.4S		MON	1.9%	1.2*	DTL	10	8	0.0	5.0	40n%			16m†	800mΔ	0	75	1	G01172	TO116	
	50	SW771-2F	1.4S		MON	1.9%	1.2*	DTL	10	7†	0	8	30n			24m	1.0	0	75	1	G01172	FP52	
	51	SW771-2M	1.4S		MON	1.9%	1.2*	DTL	10	7	0.0	5.0	30n%			28m†	800mΔ	0	75	1	G01172	M105n	
	52	SW771-2P	1.4S		MON	1.9%	1.2*	DTL	10	7	0.0	5.0	30n%			28m†	800mΔ	0	75	1	G01172	TO116	
	53	SW778-2F	1.4S		MON	1.9%	1.2*	DTL	4	8†	0	8	30n			32m	1.0	0	75	2	G01172a	FP52	
	54	SW778-2M	1.4S		MON	1.9%	1.2*	DTL	4	8	0.0	5.0	30n%			16m†	800mΔ	0	75	2	G01172a	M105n	
	55	SW778-2P	1.4S		MON	1.9%	1.2*	DTL	4	8	0.0	5.0	30n%			16m†	800mΔ	0	75	2	G01172a	TO116	
	56	SW779-2F	1.4S		MON	1.9%	1.2*	DTL	4	7†	0	8	20n			48m	1.0	0	75	2	G01172a	FP52	
	57	SW779-2M	1.4S		MON	1.9%	1.2*	DTL	4	7	0.0	5.0	20n%			24m†	800mΔ	0	75	2	G01172a	M105n	
	58	SW779-2P	1.4S		MON	1.9%	1.2*	DTL	4	7	0.0	5.0	20n%			24m†	800mΔ	0	75	2	G01172a	TO116	
	59	BC13	1A	300k	PCB	8.0	0.0	DTL	15	22	25	25	180n	100n	80n	2.0	3.5	55	100	13	G0117	CB34	
	60	BL13	1A	8.0M	PCB	8.0	0.0	DTL	10	10	25	25	25n	15n	10n	4.5	3.5	55	100	13	G0117	CB34	
	61#	SP573B	1A		MON	.23	-1.5	ECT	5	40	7.0	4.0	18n			200m	300m	0	100	1	G01167	FP1	
	62#	SP574B	1A		MON	.23	-1.5	ECT	5	40	7.0	4.0	17n			200m	300m	0	100	1	G01167	FP1	
	63	BC10	1AS	300k	PCB	8.0	0.0	DTL	15	22	25	25	180n	120n	60n	1.2	3.5	-55	100	8	G0116	CB34	
	64	BH10	1AS	1.0M	PCB	8.0	0.0	DTL	10	20	25	25	100n	70n	30n	2.2	3.5	-55	100	8	G0116	CB34	
	65	BL10	1AS	8.0M	PCB	8.0	0.0	DTL	10	20	25	25	25n	15n	10n	2.0	3.5	-55	100	8	G0116	CB34	
	66	D4041	1C	5.0M	PCB	2.0%	.95*	DTL	4†	7	0.0	5.0	40n	15n†	15n†	37.5m	1.0 Δ	0	75	4			
	67	CD2205	1C		MON	3.5	.10	DTL	4Δ	6	0.0	8.0	112n			12m	1.2 Δ	-55	125	2	G01155	FP44	
	68	IC10	1C	300k	PCB	8.0	0.0	DTL	15	7	25	25	110n										

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL			FAN OUT		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS		
					3	4	2	IN	OUT	NEG. (V)	POS. (V)						LOW	HI		LOGIC DWG. No	OUTLINE DWG. No Δ=MO	
																						'1' (V)
1#	MIC955	1M		MON				8	11	2.0	4.5	3.0n			1.0	0	75	1	G01178	M153a		
2#	MIC964	1MA		MON				3t	11	2.0	4.5	3.0n			1.0	0	75	3	G01177a	M153a		
3	CD2205D	1MC		MON	3.4	.10		5t	6	0.0	6.8	70n			15mt	1.2 Δ	125	3	G01182	M135		
4	3100-4-6J	1MS		MOS	9.0%	2.0*		5	10	29	0	600nΔ			200mΔ		-55	85	2	G01187	M148	
5	MA/O31-62	1S	.05M	PCB	-6.0	0.0		4	4	12	12	500n			20m	250m	0	50	1	G0178	CB26	
6	WSR13Q	1S		MON				3	10t	0.0	4.0						125	1	G0173	FP37		
7	B657	1S		PCB	-6.0	0.0		4	4	12	6.0				150m	2.0	-15	60	1	G0170	CB22	
8	IO6H	2	5.0M	MOH	0.0	5.0		6	10	0	5	70nΔ			100m	1.0	0	100	6	G0235	CB7	
9	IO6L	2	5.0M	MOH	0.0	5.0		6	10	0	5	70nΔ			100m	1.0	-15	55	6	G0235	CB7	
10	IO6M	2	5.0M	MOH	0.0	5.0		6	10	0	5	70nΔ			100m	1.0	0	70	6	G0235	CB7	
11	IO12H	2	5.0M	MOH	0.0	5.0		3	10	0.0	5.0	70nΔ			50m	1.0 Δ	0	100	12	G0254a	CB7	
12	IO12M	2	5.0M	MOH	0.0	5.0		3	10	0.0	5.0	70nΔ			50m	1.0 Δ	0	70	12	G0254	CB7	
13	LU333A	2	35M		3.8%	.60		3	16	0	6	35n			44mt	1.2	-10	55	2		M114c	
14	G50	2	5.0M	PCB	5.0	.30*		17	6	0	5	25n	75n	40n	180m	1.0 *	0	70	2			
15	DC2CSOG3	2	2.0M	PCB	6.0	0.0		3	6	18	18	50n	150n	250n		1.2	-55	100	8			
16	DC2CSOG5	2	2.0M	PCB	6.0	0.0		5	6	18	18	50n	150n	250n		1.2	-55	100	3			
17	DC2MSOG3	2	2.0M	PCM	6.0	0.0		3	6	18	18	50n	150n	250n		1.2	-55	100	2			
18	DC2MSOG5	2	2.0M	PCM	6.0	0.0		5	6	18	18	50n	150n	250n		1.2	-55	100	1			
19	11G2312	2	2.0M	PCB	8.2	0.0		2	2	0	28	500n	500n					85	10	G0295	CB49	
20	11G2312-01	2	2.0M	PCB	8.2	0.0		5Δ		0	28	500n	500n					85	10	G0293	CB49	
21	11G2322	2	2.0M	PCB	8.2	0.0		5Δ		0	28	500n	500n					85	5	G0295a	CB49	
22	11G2322-01	2	2.0M	PCB	8.2	0.0		5Δ		0	28	500n	500n					85	5	G0293a	CB49	
23	MC14012L	2		MOS	9.9%	.01**		4	50	0.0	10	50n	200n	300n	1.0u%	200m	2.0	-55	125	2	G04434	M157a
24	B652	2	1.0k	PCB	-6.0	0.0		3	4	12	6.0						-15	60	2	G0216	CB22	
25	B654	2	1.0k	PCB	-6.0	0.0		3	4	12	6.0						-15	60	2	G0270	CB22	
26	DC1COG3	2	1.0M	PCB	-6.0	0.0		3	6	18	18	1.0u	1.5u	3.0u		1.2	-55	55	3			
27	DC1COG5	2	1.0M	PCB	-6.0	0.0		5	6	18	18	1.0u	1.5u	3.0u		1.2	-55	55	3	G0237a		
28	DC1MOG3	2	1.0M	PCM	-6.0	0.0		3	6	18	18	1.0u	1.5u	3.0u		1.2	-55	100	4			
29	DC1MOG5	2	1.0M	PCM	-6.0	0.0		5	6	18	18	1.0u	1.5u	3.0u		1.2	-55	55	3	G0237		
30	DC2COG3	2	2.0M	PCB	-6.0	0.0		3	6	18	18	50n	150n	250n		1.2	-55	55	8			
31	DC2COG5	2	2.0M	PCB	-6.0	0.0		5	6	18	18	50n	150n	250n		1.2	-55	55	3			
32	DC2MOG3	2	2.0M	PCM	-6.0	0.0		3	6	18	18	50n	150n	250n		1.2	-55	100	2			
33	DC2MOG5	2	2.0M	PCM	-6.0	0.0		5	6	18	18	50n	150n	250n		1.2	-55	55	1			
34	LCE209	2	2.0M	MOR	-6.0	0.01		5	6	12	6	20n					5.0	0	50		CN27	
35	D4402	2	3.0M		13	1.5		1	10	1.0	18				20n	20n	5.0	0	50			
36	D4403	2	3.0M		13	1.5		1	10	1.0	18				20n	20n	5.0	0	50			
37	D4404	2	3.0M		13	1.5		1	10	1.0	18				20n	20n	5.0	0	50			
38#	GDH136	2		MOS	-10%	2.0*		2		-27	0.0	300nΔ					-55	85	2	G01160c	T074	
39	TP4071BN	2		MOS	7.0%	3.0*	CMS	2	6E	0.0	10				20u%	2.0 *	-40	85	4	G02193	T0116	
40	TP4072BN	2		MOS	7.0%	3.0*	CMS	4	6E	0.0	10				20u%	2.0 *	-40	85	2	G02193a	T0116	
41	TP4075BN	2		MOS	7.0%	3.0*	CMS	3	6E	0.0	10				20u%	2.0 *	-40	85	3	G02193b	T0116	
42	SCL4071BD	2		MOS	9.95%	.05**	CMS	2	50	0.0	10	130nΔ			1.0u%	3.0	-55	125	4	G02193	M257f	
43	SCL4071BF	2		MOS	9.95%	.05**	CMS	2	50	0.0	10	130nΔ			1.0u%	3.0	-55	125	4	G02193	Δ004AF	
44	SCL4072BD	2		MOS	9.95%	.05**	CMS	4	50	0.0	10	130nΔ			1.0u%	3.0	-55	125	2	G02193a	M257f	
45	SCL4072BF	2		MOS	9.95%	.05**	CMS	4	50	0.0	10	130nΔ			1.0u%	3.0	-55	125	2	G02193a	Δ004AF	
46	SCL4075BD	2		MOS	9.95%	.05**	CMS	3	50	0.0	10	130nΔ			1.0u%	3.0	-55	125	3	G02193b	M257f	
47	SCL4075BF	2		MOS	9.95%	.05**	CMS	3	50	0.0	10	130nΔ			1.0u%	3.0	-55	125	3	G02193b	Δ004AF	
48	CD4071BH	2		MOS	9.99%	.01**	CMS	2	0.0	0.0	10	200nΔ			200m%	4.5 Δ	-55	125	4	G02193	FCZ	
49	CD4072BH	2		MOS	9.99%	.01**	CMS	4	0.0	0.0	10	200nΔ			200m%	4.5 Δ	-55	125	2	G02193a	FCZ	
50	CD4075BH	2		MOS	9.99%	.01**	CMS	3	0.0	0.0	10	200nΔ			200m%	4.5 Δ	-55	125	3	G02193b	FCZ	
51	MC14072BCLP%	2		MOS	9.99%	.01**	CMS	3	0.0	0.0	10	200nΔ			200m%	4.5 Δ	-55	125	3	G02193b	FCZ	
52	MC14570AL	2		MOS	9.99%	.01**	CMS	4	50	0.0	10	65n	100n	100n	1.0u%	4.5 Δ	-40	85	2	G02193a	T0116	
53	MC14570CLP%	2		MOS	9.99%	.01**	CMS	4	50	0.0	10	45n%	75n	75n	1.0u%		-55	125	4	G02192	T0116	
54	SCL4071AC	2		MOS	9.99%	.01**	CMS	2	50	0.0	10	45n%	110n	110n	1.0u%		-40	85	4	G02192	T0116	
55	SCL4071AD	2		MOS	9.99%	.01**	CMS	2	0.0	0.0	10	75nΔ			1.0u%	4.5	-55	125	4	G02193	M475a	
56	SCL4071AE	2		MOS	9.99%	.01**	CMS	2	0.0	0.0	10	75nΔ			1.0u%	4.5	-55	125	4	G02193	M475b	
57	SCL4071AF	2		MOS	9.99%	.01**	CMS	2	0.0	0.0	10	75nΔ			1.0u%	4.5	-40	85	4	G02193	M475c	
58	SCL4071AH	2		MOS	9.99%	.01**	CMS	2	0.0	0.0	10	75nΔ			1.0u%	4.5	-55	125	4	G02193	FP110	
59	SCL4072AC	2		MOS	9.99%	.01**	CMS	4	0.0	0.0	10	75nΔ			1.0u%	4.5	-55	125	2	G02193a	FCZ	
60	SCL4072AD	2		MOS	9.99%	.01**	CMS	4	0.0	0.0	10	75nΔ			1.0u%	4.5	-55	125	2	G02193a	M475a	
61	SCL4072AE	2		MOS	9.99%	.01**	CMS	4	0.0	0.0	10	75nΔ			1.0u%	4.5	-55	125	2	G02193a	M475b	
62	SCL4072AF	2		MOS	9.99%	.01**	CMS	4	0.0	0.0	10	75nΔ			1.0u%	4.5	-55	125	2	G02193a	M475c	
63	SCL4072AH	2		MOS	9.99%	.01**	CMS	4	0.0	0.0	10	75nΔ			1.0u%	4.5	-55	125	2	G02193a	FP110	
64	SCL4072AC	2		MOS	9.99%	.01**	CMS	3	0.0	0.0	10	75nΔ			1.0u%	4.5	-55	125	3	G02193b	FCZ	
65	SCL4072AD	2		MOS	9.99%	.01**	CMS	3	0.0	0.0	10	75nΔ			1.0u%	4.5	-55	125	3	G02193b	M475a	
66	SCL4072AE	2		MOS	9.99%	.01**	CMS	3	0.0	0.0	10	75nΔ			1.0u%	4.5	-55	125	3	G02193b	M475b	
67	SCL4072AF	2		MOS	9.99%	.01**	CMS	3	0.0	0.0	10	75nΔ			1.0u%	4.5	-40	85	3	G02193b	M475c	
68	SCL4072AH	2		MOS	9.99%	.01**	CMS	3	0.0	0.0	10	75nΔ			1.0u%	4.5	-55	125	3	G02193b	FP110	
69	CD4071BK	2		MOS	10	0.0	CMS	2	4	0.0	10	340nΔ			200m	4.5 Δ	-55	125	4	G02193	Δ004AF	
70	CD4072BK	2		MOS	10	0.0	CMS	4	2	0.0	10	340nΔ			200m	4.5 Δ	-55	125	2	G02193a	Δ004AF	
71	CD4075BK	2		MOS	10	0.0	CMS	3	3	0.0	10	340nΔ			200m	4.5 Δ	-55	125	3	G02193b	Δ004AF	
72	GA326	2	100k	PCB	-6.0	0.0	DCT	3	10	12	6.0	100n	600n	1.4u			-55	71	6	G0243	CB16	
73	DG233	2	25M	3DM	0.0	-6.0	DDL	2	4	12	12						-54	71	4	G0243	M2	
74	DG433	2	5.0M	3DM	0.0	-6.0	DDL	2	3								-25	60	4	G0243a	M2	
75	B893002	2	1.0M	3DM	-6.0	0.0	DDL	3														

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME		MAX. PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS		
					3 '1' (V)	4 '0' (V)	2 TYPE	IN	OUT MAX.	NEG. (V)	POS. (V)		tr (s)	tf (s)			LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=MO	
																						1
1	SU331G	2		MON	2.7	0.0	DTL	2	17		5.5	30n			40m	1.2 Δ	-20	85	2	G0278	TO91	
2	SU331K	2		MON	2.7	0.0	DTL	2	17		5.5	30n			40m	1.2 Δ	-20	85	2	G0278	CN17	
3	SU332G	2		MON	2.7	0.0	DTL	3	17		5.5	30n			40m	1.2 Δ	-20	85	2	G0278a	TO91	
4	SU332K	2		MON	2.7	0.0	DTL	3	17		5.5	30n			40m	1.2 Δ	-20	85	2	G0278a	CN17	
5	LU331K	2		MON	3.3%	.61*	DTL	2	17		5.5	30n			80m		15	55	2	G0278	CN17	
6	LU332K	2		MON	3.3%	.61*	DTL	3	17		5.5	30n			80m		15	55	2	G0278a	CN17	
7	BT27	2	10M	PCB	4.0	0.0	DTL	3†	14	0	8	30n	5.0n	5.0n	2.0	1.5	5	71	12	G0254b	CB37a	
8	MM10423	2	10M	3DM	6.0	0.0	DTL	3		6	6									MP38		
9	MM10423D	2	10M	3DM	6.0	0.0	DTL	3		6	6									MP38		
10#	FZH295	2		MON	7.5%	4.5*	DTL	3†	10	0.0	15	340n	390n†	130n†	408m	8.0	0	70	4	G02188	M117aa	
11	CT430-4	2	250k	PCB	-3.0	-11	DTL	2		12	12				480m	1.5	-54	71	4		CB16	
12	CT602-2	2	250k	PCB	-3.0	-11	DTL	9		12	12				240m		-45	65	2		CB16	
13	T406	2	25M	3DM	-3.0	-11	DTL	2		12	12		1.0u		260m		-45	65	2	G0249	M17	
14	T407	2	25M	3DM	-3.0	-11	DTL	4		12	12		1.0u		260m		-45	65	1	G0250	M17	
15	T412	2	25M	3DM	-3.0	-11	DTL	5		12	12		.40u		120m		-45	65	1	G0251	M17	
16	T430	2	25M	3DM	-3.0	-11	DTL	2		12	12		400n		120m	1.5	-45	65	1	G0252	M17	
17	T431	2	25M	3DM	-3.0	-11	DTL	3		12	12		400n		120m	1.5	-45	65	1	G0253	M17	
18	T440	2	25M	3DM	-3.0	-11	DTL	3		12	12				85m		-54	71	1	G0248a	M17	
19	T442	2	25M	3DM	-3.0	-11	DTL	3		12	12		200n		385m		-45	65	1	G0267	M17	
20	T602	2	25M	3DM	-3.0	-11	DTL	9		12	12		400n	400n	120m		-45	65	1	G0254	M17	
21	T614	2	25M	3DM	-3.0	-11	DTL	7		12	12		200n	1.0u	260m		-45	65	1	G0255	M17	
22	T623	2	25M	3DM	-3.0	-11	DTL	6		12	12		1.0u		260m		-45	65	1	G0256	M17	
23	T634	2	25M	3DM	-3.0	-11	DTL	8		12	12		1.0u		260m		-45	65	1	G0257	M17	
24	T635	2	25M	3DM	-3.0	-11	DTL	9		12	12		1.0u		260m		-45	65	1	G0258	M17	
25	PM8363	2	25M	3DM	-6.5	0.0	DTL	5		18	6									G0221	ZB37	
26	PM8373	2	25M	3DM	-6.5	0.0	DTL	3		18	6									G0221a	ZB37	
27	PM7673	2	1.0M	3DM	-6.5	0.0	DTL	5		18	6									G0223	ZB37	
28	PM7693	2	1.0M	3DM	-6.5	0.0	DTL	3		18	6									G0223a	ZB37	
29	PM7803	2	1.0M	3DM	-6.5	0.0	DTL	6		18	6									ZB37		
30	PM8403	2	1.0M	3DM	-6.5	0.0	DTL	5		18	6									G0222	ZB37	
31	PM8413	2	1.0M	3DM	-6.5	0.0	DTL	3		18	6									G0222a	ZB37	
32	PM9393	2	1.0M	3DM	-6.5	0.0	DTL	3		18	6									ZB37		
33	PM10723	2	1.0M	3DM	-6.5	0.0	DTL	3		18	6									ZB37		
34	PM10733	2	1.0M	3DM	-6.5	0.0	DTL	4		18	6									ZB37		
35	GDG3-2	2	200k	PCB	-10	0.0	DTL	5†	15	12	6.0	200n	1.0u	500n	828m	1.6	0	55	7	G0271	CB15	
36	GDG6-2	2	200k	PCB	-10	0.0	DTL	4	30	12	6.0	300n	400n	300n	1.6	2.0	0	55	6	G0297	CB15	
37	GIG1-2	2	200k	PCB	-10	0.0	DTL	3†	1	12	6.0	10n	1.0u		78m	2.0	0	55	10	G0272	CB15	
38	GDG3-1	2	1.0M	PCB	-10	0.0	DTL	5†	15	12	6.0	100n	250n	200n	828m		0	55	7	G0271	CB15	
39	GIG1-1	2	1.0M	PCB	-10	0.0	DTL	3†	1	12	6.0	10n	250n		120m	2.0	0	55	10	G0272	CB15	
40	GDG3-5	2	5.0M	PCB	-10	0.0	DTL	5†	15	12	6.0	50n	60n	100n	1.3		0	55	7	G0271	CB15	
41	GIG1-5	2	5.0M	PCB	-10	0.0	DTL	3†	1	12	6.0	10n	60n		192m	1.5	0	55	10	G0272	CB15	
42	10110E	2	120M		-.96	-1.8	ECL	3	90	5.2	0.0	2.5n	3.0n	3.0n	120m	400m	-30	85		M153a		
43	MC1664S	2		MON	-.95%	-1.6†*	ECL	2	70	5.2	0.0	1.1n	2.1n	2.1n	240m†		0	75	4	G02169	FP78	
44	MC1665S	2		MON	-.95%	-1.6†*	ECL	2	70	5.2	0.0	1.1n	2.1n	2.1n	240m†		0	75	4	G02169	FP78	
45	F10110FC	2		MON	-.96%	-1.6†*	ECL	3	80G	5.2	0.0	3.5nΔ			198m	145m*	0	75	2	G02207	FP103	
46	F10110PC	2		MON	-.96%	-1.6†*	ECL	3	80G	5.2	0.0	3.5nΔ			198m	145m*	0	75	2	G02207	M562	
47	F10210FC	2		MON	-.96%	-1.6†*	ECL	3	80G	5.2	0.0	2.5nΔ			198m	145m*	0	75	2	G02212	FP103	
48	MC1665L	2		MON	-.96%	-1.6†*	ECL	2	70	5.2	0.0	1.1n	2.1n	2.1n	240m†		0	75	4	G02169	M191	
49#	SP10110J	2		MON	-.98%	-1.6†*	ECL	3	10	5.2	0.0	2.4n†	2.4n†	2.4n†	150m†		0	75	2	G02165	M191	
50	SN10103J	2		MON	-.98%	-1.6†*	ECL	2	70	5.2	0.0	2.0n			100m†		0	85	4	G02199	M153d	
51	SN10103N	2		MON	-.98%	-1.6†*	ECL	2	70	5.2	0.0	2.0n			100m†		0	85	4	G02199	M117x	
52	SN10110J	2		MON	-.98%	-1.6†*	ECL	3	5	5.2	0.0				50m†		0	85	2	G02195	M153d	
53	SN10110N	2		MON	-.98%	-1.6†*	ECL	3	5	5.2	0.0				50m†		0	85	2	G02195	M117x	
54#	SP1664BE	2	300M†	MON	-.98%	-1.6†*	ECL	2	5	5.2	0.0	1.7nΔ	2.1n	2.1n	291m		0	75	4	G01242a	M184a	
55#	SP1665BE	2	300M†	MON	-.98%	-1.6†*	ECL	2	5	5.2	0.0	1.7nΔ	2.1n	2.1n	291m		0	75	4	G01242a	M184a	
56#	SP1664AS	2	300M†	MON	-1.0%	-1.6†*	ECL	2	5	5.2	0.0	1.4nΔ	1.7n	1.6n	291m		0	75	4	G01242	FP94	
57#	SP1664BS	2	300M†	MON	-1.0%	-1.6†*	ECL	2	5	5.2	0.0	1.7nΔ	2.1n	2.1n	291m		0	75	4	G01242	FP94	
58#	SP1665AS	2	300M†	MON	-1.0%	-1.6†*	ECL	2	5	5.2	0.0	1.4nΔ	1.7n	1.6n	291m		0	75	4	G01242	FP94	
59#	SP1665BS	2	300M†	MON	-1.0%	-1.6†*	ECL	2	5	5.2	0.0	1.7nΔ	2.1n	2.1n	291m		0	75	4	G01242	FP94	
60	T663	2	25M	3DM	-3.0	-11	RCT	2		12	12				400n	400n	240n	1.5	-45	65	1	M17
61	G326	2	1.0M	PCB	-6.0	0.0	RCT	3	10	12	6	100n	600n	1.4u			-55	71	6	G0243	CB16	
62	DG333	2	50M	3DM	0.0	6.0	RDL	2		0	12						-25	125	2	G0240	M2	
63	EM3009C	2	2.0M	3DM	0.0	6.0	RDL	5		0	12	10n	250n	10n	36m	500m	-55	125	2	G0240	M62a	
64	SRG21	2	30M	PCB	0.0	8.0	RDL	4	Δ	0	12						-40	75	6	G0227	CB10	
65	SRG1	2	1.5M	PCB	0.0	8.0	RDL	4	Δ	0	12						-40	75	6	G0227	CB10	
66	B893007	2		3DM	0.0	-6.0	RDL	3		6	0		700n				-20	60	2	G0231	M4	
67	3K50	2	25M	3DM	0.0	-6.0	RDL	2		20	6	50n	100n	300n	46m		-20	75	2	G0290	M77	
68	EM2509	2	25M	3DM	0.0	-6.0	RDL	3	1	12	0				12m	500m	-55	71	2	G0275	M62b	
69	EM2509A	2	25M	3DM	0.0	-6.0	RDL	5	1	12	0				6.0m	500m	-55	71	1	G0275a	M62b	
70	EM2609	2	2.0M	3DM	0.0	-6.0	RDL	3	1	12	0				12m	500m	-55	71	2	G0275	M62b	
71	EM2609A	2	2.0M	3DM	0.0	-6.0	RDL	5	1	12	0				12m	500m	-55	71	1	G0275a	M62b	
72	B893004	2	1.0M	3DM	-6.0	0.0	RDL	4		6	0		400n	80n	100n	144m	-20	60	2	G0230	M4	
73	5K50	2	50M	3DM	1.2	2.0	RDL	2	1	0	12						-20	55	6	G0287	M82	
74	RG21	2	30M	PCB	-10	0.0	RDL	4	Δ	12	0						-20	55	6	G0227	CB10	
75	RG1	2	1.0M	PCB	-10	0.0	RDL	4	Δ	12	0						-20	55	6	G0227	CB10	
76	RG1A																					

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	6] TYPE No.	1] TYPE OF GATE	5] MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN		POWER SUPPLY SPAN (V)	PROPAGATION DELAY (s)	MAX.		TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS		DIGITAL
					LEVEL		TYPE	IN	OUT MAX.			RISE TIME tr (s)	FALL TIME tf (s)			LOW	HI		LOGIC DWG. No	OUTLINE DWG. No	
					3] '1' (V)	4] '0' (V)	2]													Δ=MO	
1	74LS32FC	2		MON	2.0%	.80*	TTL	2	5	0.0	5.0	7.0n		49m%	300m	0	75	4	G02198	TO86	
2	7432FC	2		MON	2.0%	.80*	TTL	2	20Δ	0.0	5.0	22nΔ		190m%	1.0 Δ	0	70	4	G02185	FP21h	
3#	7432FCΔ	2		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ				0	70	4	G02185	M665	
4	ITT74LS32	2		MON	2.0%	.80*	TTL	2	2	0.0	5.0	22nΔ		49m		0	70	4	G02198	MIZ	
5#	MIC5432J	2		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ		95mt		-55	125	4	G02198	TO116	
6#	MIC6428J	2		MON	2.0%	.80*	TTL	2	30	0.0	5.0	15nΔ		100mt	500m	-40	85	4	G03233a	TO116	
7#	MIC6432J	2		MON	2.0%	.80*	TTL	2	2	0.0	5.0	22nΔ				-40	85	4		TO116	
8#	MIC7432J	2		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ		95mt		0	75	4	G02198	TO116	
9#	MIC7432N	2		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ		95mt	1.0 Δ	0	75	4	G02198	M126x	
10#	MIC54138J	2		MON	2.0%	.80*	TTL	2	54	0.0	5.0	35nΔ	10n	4.0n	155mt	-55	125	4	G02189	TO116	
11#	MIC54139J	2		MON	2.0%	.80*	TTL	2	54	0.0	5.0	35nΔ	10n	4.0n	155mt	-55	125	4	G02189	TO116	
12#	MIC64138J	2		MON	2.0%	.80*	TTL	2	54	0.0	5.0	35nΔ	10n	4.0n	155mt	-40	85	4	G02189	TO116	
13#	MIC64139J	2		MON	2.0%	.80*	TTL	2	54	0.0	5.0	35nΔ	10n	4.0n	155mt	-40	85	4	G02189	TO116	
14#	MIC74138J	2		MON	2.0%	.80*	TTL	2	54	0.0	5.0	35nΔ	10n	4.0n	155mt	0	75	4	G02189	TO116	
15#	MIC74138N	2		MON	2.0%	.80*	TTL	2	54	0.0	5.0	35nΔ	10n	4.0n	155mt	0	75	4	G02189	M126x	
16#	MIC74139J	2		MON	2.0%	.80*	TTL	2	54	0.0	5.0	35nΔ	10n	4.0n	155mt	0	75	4	G02189	TO116	
17#	MIC74139N	2		MON	2.0%	.80*	TTL	2	54	0.0	5.0	35nΔ	10n	4.0n	155mt	0	75	4	G02189	M126x	
18	N74LS32A	2		MON	2.0%	.80*	TTL	2	2	0.0	5.0	14n		49m		0	70	4	G02198	M318	
19	N7432A	2		MON	2.0%	.80*	TTL	2	20	0.0	5.0	22nΔ		190m%	1.0 †	0	70	4	G02185	M318	
20	N7486A	2		MON	2.0%	.80*	TTL	2	10	0.0	5.0	30nΔ		250m%	1.0 †	0	70	4	G0572b	M318	
21	S5432A	2		MON	2.0%	.80*	TTL	2	20	0.0	5.0	22nΔ		190m%	1.0 †	-55	125	4	G02185	M318	
22	S5486A	2		MON	2.0%	.80*	TTL	2	10	0.0	5.0	30nΔ		215m%	1.0 †	-55	125	4	G0572b	M318	
23	SN5432N	2		MON	2.0%	.80*	TTL	2	20Δ	0.0	5.0	22nΔ		190m%	1.0 Δ	-55	125	4	G02185	M126e	
24	SN7432W	2		MON	2.0%	.80*	TTL	2	20Δ	0.0	5.0	22nΔ		190m%	1.0 Δ	0	70	4	G02185	Δ004AA	
25	US5418A	2		MON	2.0%	.80*	TTL	3	10	0.0	5.0	27nΔ	18n	8.0n		-55	125	3	G02135	M105b	
26	US5418J	2		MON	2.0%	.80*	TTL	3	10	0.0	5.0	27nΔ	18n	8.0n		-55	125	3	G02135	TO88	
27	US5432A	2		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ	18n	8.0n		-55	125	4	G02135a	M105b	
28	US5432J	2		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ	18n	8.0n		-55	125	5	G02135a	TO88	
29	US7418A	2		MON	2.0%	.80*	TTL	3	10	0.0	5.0	27nΔ	18n	8.0n		0	70	3	G02135	M105b	
30	US7418J	2		MON	2.0%	.80*	TTL	3	10	0.0	5.0	27nΔ	18n	8.0n		0	70	3	G02135	TO88	
31	US7432A	2		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ	18n	8.0n		0	70	4	G02135a	M105b	
32	US7432J	2		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ	18n	8.0n		0	70	4	G02135a	TO88	
33	RG52K	2	20M	MON	3.1%	.40*	TTL	11Δ	12†	0.0	5.0	23nΔ	8.0n	6.0n	30mt	900m	0	75	1	G0218	FP21b
34	RG53K	2	20M	MON	3.1%	.40*	TTL	11Δ	6†	0.0	5.0	23nΔ	8.0n	6.0n	30mt	900m	0	75	1	G0218	FP21b
35	RG50K	2	20M	MON	3.2%	.40*	TTL	11Δ	15†	0.0	5.0	23nΔ	8.0n	6.0n	30mt	900m	-55	125	1	G0218	FP21b
36	RG51K	2	20M	MON	3.2%	.40*	TTL	11Δ	7†	0.0	5.0	23nΔ	8.0n	6.0n	30mt	900m	-55	125	1	G0218	FP21b
37	6E50G	2	20M	MON	3.3	.26	TTL	9	15†	0	5	12n	6.0n	8.0n	30m	900m	-55	125	1	G0218	TO84
38	6E50K	2	20M	MON	3.3	.26	TTL	9	15†	0	5	12n	6.0n	8.0n	30m	900m	-55	125	1	G0218	TO116
39	6E51G	2	20M	MON	3.3	.26	TTL	9	7†	0	5	12n	6.0n	8.0n	30m	900m	-55	125	1	G0218	TO84
40	6E51K	2	20M	MON	3.3	.26	TTL	9	7†	0	5	12n	6.0n	8.0n	30m	900m	-55	125	1	G0218	TO116
41	6E52D	2	20M	MON	3.3	.26	TTL	9	12†	0	5	12n	6.0n	8.0n	30m	900m	0	75	1	G0218	TO116
42	6E52G	2	20M	MON	3.3	.26	TTL	9	12†	0	5	12n	6.0n	8.0n	30m	900m	0	75	1	G0218	TO84
43	6E53D	2	20M	MON	3.3	.26	TTL	9	6†	0	5	12n	6.0n	8.0n	30m	900m	0	75	1	G0218	TO116
44	6E53G	2	20M	MON	3.3	.26	TTL	9	6†	0	5	12n	6.0n	8.0n	30m	900m	0	75	1	G0218	TO84
45	6E100G	2	20M	MON	3.3	.26	TTL	10Δ	15†	0	5	12n	6.0n	8.0n	25m	900m	-55	125	1	G0219	TO84
46	6E100K	2	20M	MON	3.3	.26	TTL	10Δ	15†	0	5	12n	6.0n	8.0n	25m	900m	-55	125	1	G0219	TO116
47	6E101G	2	20M	MON	3.3	.26	TTL	10Δ	7†	0	5	12n	6.0n	8.0n	25m	900m	-55	125	1	G0219	TO84
48	6E101K	2	20M	MON	3.3	.26	TTL	10Δ	7†	0	5	12n	6.0n	8.0n	25m	900m	-55	125	1	G0219	TO116
49	6E102D	2	20M	MON	3.3	.26	TTL	10Δ	12†	0	5	12n	6.0n	8.0n	25m	900m	0	75	1	G0219	TO116
50	6E102G	2	20M	MON	3.3	.26	TTL	10Δ	12†	0	5	12n	6.0n	8.0n	25m	900m	0	75	1	G0219	TO84
51	6E103D	2	20M	MON	3.3	.26	TTL	10Δ	6†	0	5	12n	6.0n	8.0n	25m	900m	0	75	1	G0219	TO116
52	6E103G	2	20M	MON	3.3	.26	TTL	10Δ	6†	0	5	12n	6.0n	8.0n	25m	900m	0	75	1	G0219	TO84
53	6E110G	2	20M	MON	3.3	.26	TTL	9Δ	15†	0	5	12n	6.0n	8.0n	20m	900m	-55	125	1	G0220	TO84
54	6E110K	2	20M	MON	3.3	.26	TTL	9Δ	15†	0	5	12n	6.0n	8.0n	20m	900m	-55	125	1	G0220	TO116
55	6E111G	2	20M	MON	3.3	.26	TTL	9Δ	7†	0	5	12n	6.0n	8.0n	20m	900m	-55	125	1	G0220	TO84
56	6E111K	2	20M	MON	3.3	.26	TTL	9Δ	7†	0	5	12n	6.0n	8.0n	20m	900m	-55	125	1	G0220	TO116
57	6E112D	2	20M	MON	3.3	.26	TTL	9Δ	12†	0	5	12n	6.0n	8.0n	20m	900m	0	75	1	G0220	TO116
58	6E112G	2	20M	MON	3.3	.26	TTL	9Δ	12†	0	5	12n	6.0n	8.0n	20m	900m	0	75	1	G0220	TO84
59	6E113D	2	20M	MON	3.3	.26	TTL	9Δ	6†	0	5	12n	6.0n	8.0n	20m	900m	0	75	1	G0220	TO116
60	6E113G	2	20M	MON	3.3	.26	TTL	9Δ	6†	0	5	12n	6.0n	8.0n	20m	900m	0	75	1	G0220	TO84
61#	MMG50#1	2	20M	MON	3.3	.26	TTL	9	15	0.0	5.0	12n	6.0n	8.0n	30m	900m	-55	125	1	G0218	FP18
62#	MMG50#2	2	20M	MON	3.3	.26	TTL	9	15	0.0	5.0	12n	6.0n	8.0n	30m	900m	-55	125	1	G0218	M75
63#	MMG51#1	2	20M	MON	3.3	.26	TTL	9	7	0.0	5.0	12n	6.0n	8.0n	30m	900m	-55	125	1	G0218	FP18
64#	MMG51#2	2	20M	MON	3.3	.26	TTL	9	7	0.0	5.0	12n	6.0n	8.0n	30m	900m	-55	125	1	G0218	M75
65#	MMG100#1	2	20M	MON	3.3	.26	TTL	10	15	0.0	5.0	12n	6.0n	8.0n	25m	900m	-55	125	1	G0219	FP18
66#	MMG100#2	2	20M	MON	3.3	.26	TTL	10	15	0.0	5.0	12n	6.0n	8.0n	25m	900m	-55	125	1	G0219	M75
67#	MMG101#1	2	20M	MON	3.3	.26	TTL	10	7	0.0	5.0	12n	6.0n	8.0n	25m	900m	-55	125	1	G0219	FP18
68#	MMG101#2	2	20M	MON	3.3	.26	TTL	10	7	0.0	5.0	12n	6.0n	8.0n	25m	900m	-55	125	1	G0219	M75
69#	MMG110#1	2	20M	MON	3.3	.26	TTL	9	15	0.0	5.0	12n	6.0n	8.0n	20m	900m	-55	125	1	G0220	FP18
70#	MMG110#2	2	20M	MON	3.3	.26	TTL	9	15	0.0	5.0	12n	6.0n	8.0n	20m	900m	-55	125	1	G0220	M75
71#	MMG111#1	2	20M	MON	3.3	.26	TTL	9	7	0.0	5.0	12n	6.0n	8.0n	20m	900m	-55	125	1	G0220	FP18

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL			FAN IN	OUT MAX.	POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME		MAX. FALL TIME (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					3	4	2			NEG. (V)	POS. (V)		tr (s)	tf (s)				LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=MO
1	TRWG100#1	2	20M	MON	3.3	.26	TTL	10	7	0.0	5.0	12n	6.0n	8.0n	25m	900m	-55	125	1	G0219	M157	
2	TRWG100#2	2	20M	MON	3.3	.26	TTL	10	7	0.0	5.0	12n	6.0n	8.0n	25m	900m	-55	125	1	G0219	M126	
3	TRWG110#1	2	20M	MON	3.3	.26	TTL	9	15	0.0	5.0	12n	6.0n	8.0n	20m	900m	-55	125	1	G0220	M157	
4	TRWG110#2	2	20M	MON	3.3	.26	TTL	9	15	0.0	5.0	12n	6.0n	8.0n	20m	900m	-55	125	1	G0220	M126	
5	RG50P	2	20M	MON	3.4	.20	TTL	9	15	0.0	5.0	12n			120m	1.1	-55	125	4		M105k	
6	RG51P	2	20M	MON	3.4	.20	TTL	9	7	0.0	5.0	12n			120m	1.1	-55	125	4		M105k	
7	RG52P	2	20M	MON	3.4	.20	TTL	9	12	0.0	5.0	12n			120m	1.1	0	75	4		M105k	
8	RG53P	2	20M	MON	3.4	.20	TTL	9	6	0.0	5.0	12n			120m	1.1	0	75	4		M105k	
9	RG70K	2	20M	MON	3.4	.20	TTL	4	15	0.0	5.0	12n			40m	1.1	-55	125	2	G01156	FP21b	
10	RG70P	2	20M	MON	3.4	.20	TTL	4	15	0.0	5.0	12n			40m	1.1	-55	125	2		M105k	
11	RG71K	2	20M	MON	3.4	.20	TTL	4	7	0.0	5.0	12n			40m	1.1	-55	125	2	G01156	FP21b	
12	RG71P	2	20M	MON	3.4	.20	TTL	4	7	0.0	5.0	12n			40m	1.1	-55	125	2		M105k	
13	RG72K	2	20M	MON	3.4	.20	TTL	4	12	0.0	5.0	12n			40m	1.1	0	75	2	G01156	FP21b	
14	RG72P	2	20M	MON	3.4	.20	TTL	4	12	0.0	5.0	12n			40m	1.1	0	75	2		M105k	
15	RG73K	2	20M	MON	3.4	.20	TTL	4	6	0.0	5.0	12n			40m	1.1	0	75	2	G01156	FP21b	
16	RG73P	2	20M	MON	3.4	.20	TTL	4	6	0.0	5.0	12n			40m	1.1	0	75	2		M105k	
17	RG100K	2	20M	MON	3.4	.20	TTL	9	15	0.0	5.0	12n			75m	1.1	-55	125	3	G0219	FP21b	
18	RG100P	2	20M	MON	3.4	.20	TTL	9	15	0.0	5.0	12n			75m	1.1	-55	125	3		M105k	
19	RG101K	2	20M	MON	3.4	.20	TTL	9	7	0.0	5.0	12n			75m	1.1	-55	125	3	G0219	FP21b	
20	RG101P	2	20M	MON	3.4	.20	TTL	9	7	0.0	5.0	12n			75m	1.1	-55	125	3		M105k	
21	RG102K	2	20M	MON	3.4	.20	TTL	9	12	0.0	5.0	12n			75m	1.1	0	75	3	G0219	FP21b	
22	RG102P	2	20M	MON	3.4	.20	TTL	9	12	0.0	5.0	12n			75m	1.1	0	75	3		M105k	
23	RG103K	2	20M	MON	3.4	.20	TTL	9	6	0.0	5.0	12n			75m	1.1	0	75	3	G0219	FP21b	
24	RG103P	2	20M	MON	3.4	.20	TTL	9	6	0.0	5.0	12n			75m	1.1	0	75	3		M105k	
25	RG110K	2	20M	MON	3.4	.20	TTL	8	15	0.0	5.0	12n			20m	1.1	-55	125	1	G0220	FP21b	
26	RG110P	2	20M	MON	3.4	.20	TTL	8	15	0.0	5.0	12n			20m	1.1	-55	125	1		M105k	
27	RG111K	2	20M	MON	3.4	.20	TTL	8	7	0.0	5.0	12n			20m	1.1	-55	125	1	G0220	FP21b	
28	RG111P	2	20M	MON	3.4	.20	TTL	8	7	0.0	5.0	12n			20m	1.1	-55	125	1		M105k	
29	RG112K	2	20M	MON	3.4	.20	TTL	8	12	0.0	5.0	12n			20m	1.1	0	75	1	G0220	FP21b	
30	RG112P	2	20M	MON	3.4	.20	TTL	8	12	0.0	5.0	12n			20m	1.1	0	75	1		M105k	
31	RG113K	2	20M	MON	3.4	.20	TTL	8	6	0.0	5.0	12n			20m	1.1	0	75	1	G0220	FP21b	
32	RG113P	2	20M	MON	3.4	.20	TTL	8	6	0.0	5.0	12n			20m	1.1	0	75	1		M105k	
33	RG210K	2	20M	MON	3.5	.20	TTL	8	11	0.0	5.0	7.0n			60m	1.0	-55	125	2	G01163	FP28	
34	RG210P	2		MON	3.5	.20	TTL	8	11	0.0	5.0	7.0n			60m	1.0	-55	125	2		M105k	
35	RG211K	2		MON	3.5	.20	TTL	8	6	0.0	5.0	7.0n			60m	1.0	-55	125	2	G01163	FP28	
36	RG211P	2		MON	3.5	.20	TTL	8	6	0.0	5.0	7.0n			60m	1.0	-55	125	2		M105k	
37	RG212K	2		MON	3.5	.20	TTL	8	9	0.0	5.0	7.0n			60m	1.0	0	75	2	G01163	FP28	
38	RG212P	2		MON	3.5	.20	TTL	8	9	0.0	5.0	7.0n			60m	1.0	0	75	2		M105k	
39	RG213K	2		MON	3.5	.20	TTL	8	5	0.0	5.0	7.0n			60m	1.0	0	75	2	G01163	FP28	
40	RG213P	2		MON	3.5	.20	TTL	8	5	0.0	5.0	7.0n			60m	1.0	0	75	2		M105k	
41	RG230K	2		MON	3.5	.20	TTL	5		0.0	5.0	2.0n			28m	1.0	-55	125	4	G06109	FP28	
42	RG230P	2		MON	3.5	.20	TTL	5		0.0	5.0	2.0n			28m	1.0	-55	125	4		M105k	
43	RG231K	2		MON	3.5	.20	TTL	5		0.0	5.0	2.0n			28m	1.0	-55	125	4	G06109	FP28	
44	RG231P	2		MON	3.5	.20	TTL	5		0.0	5.0	2.0n			28m	1.0	-55	125	4		M105k	
45	RG232K	2		MON	3.5	.20	TTL	5		0.0	5.0	2.0n			28m	1.0	0	75	4	G06109	FP28	
46	RG232P	2		MON	3.5	.20	TTL	5		0.0	5.0	2.0n			28m	1.0	0	75	4		M105k	
47	RG233K	2		MON	3.5	.20	TTL	5		0.0	5.0	2.0n			28m	1.0	0	75	4	G06109	FP28	
48	RG233P	2		MON	3.5	.20	TTL	5		0.0	5.0	2.0n			28m	1.0	0	75	4		M105k	
49	RG250K	2		MON	3.5	.20	TTL	9	11	0.0	5.0	8.0n			160m	1.0	-55	125	4	G01164	FP28	
50	RG250P	2		MON	3.5	.20	TTL	9	11	0.0	5.0	8.0n			160m	1.0	-55	125	4		M105k	
51	RG251K	2		MON	3.5	.20	TTL	9	6	0.0	5.0	8.0n			160m	1.0	-55	125	4	G01164	FP28	
52	RG251P	2		MON	3.5	.20	TTL	9	6	0.0	5.0	8.0n			160m	1.0	-55	125	4		M105k	
53	RG252K	2		MON	3.5	.20	TTL	9	9	0.0	5.0	8.0n			160m	1.0	-55	125	4	G01164	FP28	
54	RG252P	2		MON	3.5	.20	TTL	9	9	0.0	5.0	8.0n			160m	1.0	0	75	4		M105k	
55	RG253K	2		MON	3.5	.20	TTL	9	5	0.0	5.0	8.0n			160m	1.0	0	75	4	G01164	FP28	
56	RG253P	2		MON	3.5	.20	TTL	9	5	0.0	5.0	8.0n			160m	1.0	0	75	4		M105k	
57	RG270K	2		MON	3.5	.20	TTL	4		0.0	5.0	1.0n			28m	1.0	-55	125	2	G06111	FP28	
58	RG270P	2		MON	3.5	.20	TTL	4		0.0	5.0	1.0n			28m	1.0	-55	125	2		M105k	
59	RG271K	2		MON	3.5	.20	TTL	4		0.0	5.0	1.0n			28m	1.0	-55	125	2	G06111	FP28	
60	RG271P	2		MON	3.5	.20	TTL	4		0.0	5.0	1.0n			28m	1.0	-55	125	2		M105k	
61	RG272K	2		MON	3.5	.20	TTL	4		0.0	5.0	1.0n			28m	1.0	0	75	2	G06111	FP28	
62	RG272P	2		MON	3.5	.20	TTL	4		0.0	5.0	1.0n			28m	1.0	0	75	2		M105k	
63	RG273K	2		MON	3.5	.20	TTL	4		0.0	5.0	1.0n			28m	1.0	0	75	2	G06111	FP28	
64	RG273P	2		MON	3.5	.20	TTL	4		0.0	5.0	1.0n			28m	1.0	0	75	2		M105k	
65	RG300K	2		MON	3.5	.20	TTL	9	11	0.0	5.0	7.0n			105m	1.0	-55	125	3	G01159	FP28	
66	RG300P	2		MON	3.5	.20	TTL	9	11	0.0	5.0	7.0n			105m	1.0	-55	125	3		M105k	
67	RG301K	2		MON	3.5	.20	TTL	9	6	0.0	5.0	7.0n			105m	1.0	-55	125	3	G01159	FP28	
68	RG301P	2		MON	3.5	.20	TTL	9	6	0.0	5.0	7.0n			105m	1.0	-55	125	3		M105k	
69	RG302K	2		MON	3.5	.20	TTL	9	9	0.0	5.0	7.0n			105m	1.0	0	75	3	G01159	FP28	
70	RG302P	2		MON	3.5	.20	TTL	9	9	0.0	5.0	7.0n			105m	1.0	0	75	3		M105k	
71	RG303K	2		MON	3.5	.20	TTL	9	5	0.0	5.0	7.0n			105m	1.0	0	75	3	G01159	FP28	
72	RG303P	2		MON	3.5	.20	TTL	9	5	0.0	5.0	7.0n			105m	1.0	0	75	3		M105k	
73	RG310K	2		MON	3.5	.20	TTL	4	11	0.0	5.0	7.0n			60m	1.0	-55	125	2	G01158	FP28	
74	RG310P	2		MON	3.5	.20	TTL	4	11	0.0	5.0	7.0n			60m	1.0	-55	125	2		M105k	
75	RG311K	2		MON	3.5	.20	TTL	4	6</													

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPAGA-TION DELAY (s)	MAX.		TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					LEVEL	TYPE	IN	OUT MAX.	NEG. (V)	POS. (V)	RISE TIME tr (s)		FALL TIME tf (s)	LOW			HI	LOGIC DWG. No		OUTLINE DWG. No Δ = MO	
																					'1' (V)
1	F10118FC	2.1		MON	-96%	-1.6*†	ECT	6	80G	5.2	0.0	3.4nΔ		135m%	145m*	0	75	2	G02209	FP103	
2	F10118PC	2.1		MON	-96%	-1.6*†	ECT	6	80G	5.2	0.0	3.4nΔ		135m%	145m*	0	75	2	G02209	M562	
3	F10119FC	2.1		MON	-96%	-1.6*†	ECT	4†	80G	5.2	0.0	3.4nΔ		135m%	145m*	0	75	4	G02210	FP103	
4	F10119PC	2.1		MON	-96%	-1.6*†	ECT	4†	80G	5.2	0.0	3.4nΔ		135m%	145m*	0	75	4	G02210	M562	
5#	SP10117L	2.1		MON	-96%	-1.6*†	ECT	4†	10	5.2	0.0	2.2n†	2.2n†	100m†	145m*	0	75	2	G02166	M191	
6#	SP10118L	2.1		MON	-96%	-1.6*†	ECT	6†	70	5.2	0.0	2.3n†	2.3n†	100m†	145m*	0	75	2	G02167	M191	
7#	SP10119L	2.1		MON	-96%	-1.6*†	ECT	4†	90	5.2	0.0	2.3n†	2.3n†	100m†	145m*	0	75	4	G02168	M191	
8	SN10118J	2.1		MON	-98%	-1.6*	ECT	6		5.2	0.0	2.6n		50m†		0	85	2	G02182	M153d	
9	SN10118N	2.1		MON	-98%	-1.6*	ECT	6		5.2	0.0	2.6n		50m†		0	85	2	G02182	M117x	
10	SN10119J	2.1		MON	-98%	-1.6*	ECT	7†		5.2	0.0	2.9n		25m†		0	85	1	G02183	M153d	
11	SN10119N	2.1		MON	-98%	-1.6*	ECT	7†		5.2	0.0	2.9n		25m†		0	85	1	G02183	M117x	
12#	MIC966	2.1		MON			RTL	4†	11	2.0	4.5	3.0n		1.0		0	75	3	G02120	M153a	
13#	MIC971	2.1		MON			RTL	4	11	2.0	4.5	3.0n		2.0		0	75	2	G02120b	M153a	
14#	MIC956	2.1		MON	2.6	-.45†	RTL	2	25	2.0	4.5	14n		2.0		0	75	2	G01179	M153a	
15	SN54H52F	2.1		MON	2.0%	.80*	TTL	10Δ	10	0	7	15nΔ		1.0 Δ	0	70	1	G02124	T084		
16	SN74H52F	2.1		MON	2.0%	.80*	TTL	10Δ	10	0	7	15nΔ		1.0 Δ	0	70	1	G02124	T084		
17	US5452A	2.1		MON	2.0%	.80*	TTL	10Δ	10	0	7	15nΔ		1.0 Δ	-55	125	1	G02124	M105b		
18	US5452J	2.1		MON	2.0%	.80*	TTL	10Δ	10	0	7	15nΔ		1.0 Δ	-55	125	1	G02124	T088		
19	US7452A	2.1		MON	2.0%	.80*	TTL	10Δ	10	0	7	15nΔ		1.0 Δ	0	70	1	G02124	M105b		
20	US7452J	2.1		MON	2.0%	.80*	TTL	10Δ	10	0	7	15nΔ		1.0 Δ	0	70	1	G02124	T088		
21	TNG7251F	2.1		MON	3.0%	.45*†	TTL	5Δ	15	0	7	12n		80m†		-55	125	2	G02111	FP21c	
22	TNG7251P	2.1		MON	3.0%	.45*†	TTL	5Δ	15	0	7	12n		80m†		-55	125	2	G02111	TO116	
23	TNG7252F	2.1		MON	3.0%	.45*†	TTL	5Δ	15	0	7	12n		80m†		0	75	2	G02111	FP21c	
24	TNG7252P	2.1		MON	3.0%	.45*†	TTL	5Δ	15	0	7	12n		80m†		0	75	2	G02111	TO116	
25	TNG7253F	2.1		MON	3.0%	.45*†	TTL	5Δ	7	0	7	12n		80m†		-55	125	2	G02111	FP21c	
26	TNG7253P	2.1		MON	3.0%	.45*†	TTL	5Δ	7	0	7	12n		80m†		-55	125	2	G02111	TO116	
27	TNG7254F	2.1		MON	3.0%	.45*†	TTL	5Δ	7	0	7	12n		80m†		0	75	2	G02111	FP21c	
28	TNG7254P	2.1		MON	3.0%	.45*†	TTL	5Δ	7	0	7	12n		80m†		0	75	2	G02111	TO116	
29#	SP554B	2.1A		MON	23Δ	-1.5	FCT	6	10	7.0	4.0	8	18n	190m	300m	0	100	1	G02115	FP1	
30	LT10	2.1C	10M	PCB	4.0	0.0	DTL	6†	14	0	8			1.2		5	71	9	G02105	CB37a	
31	BT10	2.1E	10M	PCB	4.0	0.0	DTL	3	27	0	8			940m		5	71	8	G0298	CB37a	
32	LT11	2.1E	10M	PCB	4.0	0.0	DTL	10†	17	0	8			990m		5	71	4	G02100	CB37a	
33#	SP552B	2.1E	10M	PCB	23Δ	-1.5	ECT	6	10	7.0	4.0	18n		190m	300m	0	100	1	G02114	FP1	
34	F10117FC	2.1G		MON	-96%	-1.6*†	ECT	5	80G	5.2	0.0				145m*	0	75	2	G02208	FP103	
35	F10117PC	2.1G		MON	-96%	-1.6*†	ECT	5	80G	5.2	0.0				145m*	0	75	2	G02208	M562	
36	F10121FC	2.1G		MON	-96%	-1.6*†	ECT	3	80G	5.2	0.0	3.4nΔ		135m%	145m*	0	75	4	G02211	FP103	
37	F10121PC	2.1G		MON	-96%	-1.6*†	ECT	3	80G	5.2	0.0	3.4nΔ		135m%	145m*	0	75	4	G02211	M562	
38	SN10117J	2.1S		MON	-98%	-1.6*	ECT	5		5.2	0.0	2.5n		50m†		0	85	2	G01229	M153d	
39	SN10117N	2.1S		MON	-98%	-1.6*	ECT	5		5.2	0.0	2.5n		50m†		0	85	2	G01229	M117x	
40	SN10121J	2.1S		MON	-98%	-1.6*	ECT	6		5.2	0.0	2.9n		25m†		0	85	1	G02184	M153d	
41	SN10121N	2.1S		MON	-98%	-1.6*	ECT	6		5.2	0.0	2.9n		25m†		0	85	1	G02184	M117x	
42	WS371Q	2.3		DTL			4	15			10n			95mΔ				1	G0288	FP37	
43	WS374Q	2.3		DTL			8	15			10n			95mΔ						FP37	
44	10101E	2.3	150M		-96	-1.8	ECL	2†	90	5.2	0.0	2.0n	3.0n	100m	400m	-30	85			M153a	
45	10105E	2.3	150M		-96	-1.8	ECL	3†	90	5.2	0.0	2.0n	3.0n	75m	400m	-30	85			M153a	
46	10109E	2.3	150M		-96	-1.8	ECL	5†	90	5.2	0.0	2.0n	3.0n	50m	400m	-30	85			M153a	
47#	FKH111A	2.3		MON		.75*	ECL	4	3	4.0	0.0	2.5n	3.0n	70mΔ	250mΔ	0	75			TO116	
48#	FKH111B	2.3		MON		.75*	ECL	4	3	4.0	0.0	2.5n	3.0n	70mΔ	250mΔ	0	75			T084	
49	PD502	2.3	1.0M	MON	0.0	.50	ECT	4	10	3.3	.26	2.0	2.0	56 Δ		0	75	2	G02140	M54c	
50#	FKH111	2.3		MON	.01%	.58*	ECT	4	3	4	0	2.0n	2.0	120m		0	70	2	G02116	T084	
51	ECL2500	2.3	1.0M	MON	15%	.15*	ECT	4	35	3.2	1.32	2.5n	3.9n	3.0n	225mΔ	0	75	2	G02142	M117m	
52	ECL2501	2.3	1.0M	MON	15%	.15*	ECT	9	35	3.2	1.32	2.5n	4.4n	4.8n	225mΔ	0	75	1	G02143	M117m	
53	ECL2502	2.3	1.0M	MON	15%	.15*	ECT	2	35	3.2	1.32	2.5n	3.9n	3.0n	225mΔ	0	75	3	G02144	M117m	
54	ECL2503	2.3	1.0M	MON	15%	.15*	ECT	2	35	3.2	1.32	2.5n	4.1n	4.0n	225mΔ	0	75	4	G02145	M117m	
55	ECL2504	2.3	1.0M	MON	15%	.15*	ECT	1	35	3.2	1.32	2.5n	3.9n	3.0n	225mΔ	0	75	4	G02146	M117m	
56	ECL2505	2.3	1.0M	MON	15%	.15*	ECT	3	35	3.2	1.32	2.5n	4.1n	4.0n	225mΔ	0	75	3	G02147	M117m	
57	ECL2506	2.3	1.0M	MON	15%	.15*	ECT	3	35	3.2	1.32	2.5n	6.5n	5.6n	225mΔ	0	75	4	G02149	M117m	
58	ECL2507	2.3	1.0M	MON	15%	.15*	ECT	2	35	3.2	1.32	2.5n	6.5n	5.6n	225mΔ	0	75	5	G02150	M117m	
59	ECL2508	2.3	1.0M	MON	15%	.15*	ECT	2	35	3.2	1.32	2.5n	6.5n	5.6n	225mΔ	0	75	6	G02151	M117m	
60	ECL2509	2.3	1.0M	MON	15%	.15*	ECT	2	35	3.2	1.32	2.5n	6.5n	5.6n	225mΔ	0	75	4	G02152	M117m	
61	ECL2510	2.3	1.0M	MON	15%	.15*	ECT	3†	35	3.2	1.32	2.5n	6.5n	6.3n	225mΔ	0	75	4	G02153	M117m	
62	ECL2511	2.3	1.0M	MON	15%	.15*	ECT	2	35	3.2	1.32	2.5n	4.5n	4.0n	225mΔ	0	75	4	G02148	M117m	
63	ECL2512	2.3	1.0M	MON	15%	.15*	ECT	2	35	3.2	1.32	2.5n	6.5n	5.6n	225mΔ	0	75	6	G02154	M117m	
64	ECL2513	2.3	1.0M	MON	15%	.15*	ECT	2	35	3.2	1.32	2.5n	6.5n	6.3n	225mΔ	0	75	4	G02155	M117m	
65	ECL2515	2.3	1.0M	MON	15%	.15*	ECT	5†	35	3.2	1.32	2.5n	6.9n	6.6n	225mΔ	0	75	5	G02156	M117m	
66	ECL2516	2.3	1.0M	MON	15%	.15*	ECT	3†	35	3.2	1.32	2.5n	6.9n	6.6n	225mΔ	0	75	7	G02157	M117m	
67	ECL2520	2.3	1.0M	MON	15%	.15*	ECT	2	35	3.2	1.32	2.5n	6.5n	6.5n	225mΔ	0	75	2	G02158	M117m	
68	ECL2521	2.3	1.0M	MON	15%	.15*	ECT	3	35	3.2	1.32	2.5n	6.5n	6.5n	225mΔ	0	75	2	G02159a	M117m	
69	ECL2522	2.3	1.0M	MON	15%	.15*	ECT	4	35	3.2	1.32	2.5n	6.5n	6.5n	225mΔ	0	75	2	G02160	M117m	
70	ECL2523	2.3	1.0M	MON	15%	.15*	ECT	3	35	3.2	1.32	2.5n	6.5n	6.5n	225mΔ	0	75	2	G02159	M117m	
71#	SP1002	2.3		MON	.75	-1.6†	ECT	6	25	5.2	0.0	4.0n%		80m†		0	75	1	G02186	M257a	
72#	SP1003	2.3		MON	.75	-1.6†	ECT	6	25	5.2	0.0	4.0n%		40m†		0	75	1	G02186	M257a	
73#	SP1005	2.3		MON	.75	-1.6†	ECT	4	25	5.2	0.0	4.0n%		65m†		0	75	2	G02187	M257a	
74#	SP1006	2.3		MON	.75	-1.6†	ECT	4	25	5.2	0.0	4.0n%		45m†		0	75	2	G02187	M257a	
75#	SP1202	2.3																			

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL	LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME		TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
						LEVEL	TYPE	IN	OUT MAX.	NEG. (V)	POS. (V)	tr (s)		tf (s)	LOW °C			HI °C	LOGIC DWG. No		OUTLINE DWG. No Δ=Mo	
																						'1' (V)
	1	F10109PC	2.3		MON	-96%	-1.6*	ECT	5†	80G	5.2	0.0	2.9nΔ			73m*	145m*	0	75	2	G02206	M562
	2	MC1661L	2.3		MON	-96%	-1.6†	ECT	4	7	5.2	0.0	1.1n	2.1n	2.1n	120m†	0	75	2	G02161	M191	
	3	SP10101L	2.3		MON	-96%	-1.6†	ECT	5	10	5.2	0.0	2.0n†	2.0n†	2.0n†	100m†	0	75	4	G02162	M191	
	4	SP10105L	2.3		MON	-96%	-1.6†	ECT	3†	10	5.2	0.0	2.0n†	2.0n†	2.0n†	75m†	0	75	3	G02163	M191	
	5	SP10109L	2.3		MON	-96%	-1.6†	ECT	5†	90	5.2	0.0	2.0n†	2.0n†	2.0n†	50m†	0	75	2	G02164	M191	
	6	MC1601F	2.3	500M	MON	-96%	-1.6†	ECT	2		5.2	0.0	750p	750pt	750pt	600m*	-30	85	4	G02178a	FP85	
	7	MC1602F	2.3	500M	MON	-96%	-1.6†	ECT	2		5.2	0.0	750p	750pt	750pt	460m*	-30	85	3	G02179a	FP85	
	8	MC1603F	2.3	500M	MON	-96%	-1.6†	ECT	4		5.2	0.0	750p	750pt	750pt	320m*	-30	85	2	G02194a	FP85	
	9	SN10101J	2.3		MON	-98%	-1.6*	ECT	2		5.2	0.0	2.0n			100m†	0	85	4	G02178	M153d	
	10	SN10101N	2.3		MON	-98%	-1.6*	ECT	2		5.2	0.0	2.0n			100m†	0	85	4	G02178	M117x	
	11	SN10105J	2.3		MON	-98%	-1.6*	ECT	3†		5.2	0.0	2.0n			75m†	0	85	3	G02179	M153d	
	12	SN10105N	2.3		MON	-98%	-1.6*	ECT	3†		5.2	0.0	2.0n			75m†	0	85	3	G02179	M117x	
	13	SN10109J	2.3		MON	-98%	-1.6*	ECT	5†		5.2	0.0	2.0n			50m†	0	85	2	G02194	M153d	
	14	SN10109N	2.3		MON	-98%	-1.6*	ECT	5†		5.2	0.0	2.0n			50m†	0	85	2	G02194	M117x	
	15	SP1660BE	2.3	300M†	MON	-98%	-1.6*	ECT	4		5.2	0.0	1.7nΔ	2.1n	2.1n	146m†	0	75	2	G02187b	M184a	
	16	SP1661BE	2.3	300M†	MON	-98%	-1.6*	ECT	4		5.2	0.0	1.7nΔ	2.1n	2.1n	146m†	0	75	2	G02187b	M184a	
	17	FYH104	2.3		MON	-1.0%	-1.4*	ECT	8	10	0.0	5.0	10nΔ			150m†	10	60	1	G02204	TO87	
	18	FYH114	2.3		MON	-1.0%	-1.4*	ECT	2	10	0.0	5.0	10nΔ			275m†	10	60	4	G02205	TO87	
	19	FYH124	2.3		MON	-1.0%	-1.4*	ECT	4	10	0.0	5.0	10nΔ			262m†	10	60	2	G02204a	TO87	
	20	FYH134	2.3		MON	-1.0%	-1.4*	ECT	4	10	0.0	5.0	10nΔ			235m†	10	60	2	G02204a	TO87	
	21	SP1660AS	2.3	300M†	MON	-1.0%	-1.6*	ECT	4		5.2	0.0	1.4nΔ	1.7n	1.6n	146m†	0	75	2	G02187a	FP94	
	22	SP1660BS	2.3	300M†	MON	-1.0%	-1.6*	ECT	4		5.2	0.0	1.7nΔ	2.1n	2.1n	146m†	0	75	2	G02187a	FP94	
	23	SP1661BS	2.3	300M†	MON	-1.0%	-1.6*	ECT	4		5.2	0.0	1.7nΔ	2.1n	2.1n	146m†	0	75	2	G02187a	FP94	
	24	54S135DM	2.3		MON	2.0%	.80*	TTL	4	25	0.0	5.0	13nΔ			495mΔ	-55	125	8		M561	
	25	74S135DC	2.3		MON	2.0%	.80*	TTL	4	25	0.0	5.0	13nΔ			495mΔ	0	70	8		M561	
	26	MB505	2.3M		MON	.86	1.72	ECT	4	6	5.0	0.0	2.2nΔ	2.2n	2.8n	290m	300mΔ	10	60	1	G02174	FP21j
	27	CD2100	2.3M		MON	-.75	-1.6†	ECT	4	12	5.7	0	24n			320mΔ	-55	125	2	G02128	FP44	
	28	CD2150	2.3M		MON	-.8%	1.5**	ECT	4	12	7.0	0	8.2n			350mΔ	10	60	2	G02121	FP44a	
	29	CD2151	2.3M		MON	-.8%	1.5**	ECT	4	12	7.0	0	8.2n			350mΔ	10	60	2	G02121a	FP44a	
	30	CD2152	2.3M		MON	-.8%	1.5**	ECT	8	12	7.0	0	8.2n			350mΔ	10	60	1	G02122	FP44a	
	31	CD2153	2.3M		MON	-.8%	1.5**	ECT	2	12	7.0	0	8.2n			350mΔ	10	60	4	G02123	FP44a	
	32	MB501	2.3M		MON	-.85%	-1.5*	ECT	4	6	7.0	0.0	3.0n	7.0n	11n	290m	1.2	10	60	2	G02131	FP28
	33	MB502	2.3M		MON	-.85%	-1.5*	ECT	4	6	7.0	0.0	3.0n	7.0n	11n	260m	1.2	10	60	2	G02131a	FP28
	34	MB503	2.3M		MON	-.85%	-1.5*	ECT	8	6	7.0	0.0	3.0n	7.0n	11n	215m	1.2	10	60	1	G02122	FP28
	35	MB504	2.3M		MON	-.85%	-1.5*	ECT	2	6	7.0	0.0	3.0n	7.0n	11n	270m	1.2	10	60	4	G02141	FP28
	36	CTuL952	2.3M	30M	MON	2.5	.50	RTL	2	12	2.0	4.5	12nΔ	15n		95m	500m*	15	55	2	G0232	M54
	37	SN7000	2.3S		MON	.40	-.40	ECT	3†		3.5	1.3	5.0n			80m	250m	0	70	2	G0274	TO84
	38	SN7001	2.3S		MON	.40	-.40	ECT	3†		3.5	1.3	5.0n			80m	250m	0	70	2	G0274a	TO84
	39	BC11	2A	300k	PCB	8.0	0.0	DTL	15	22	25	25	180n	100n	80n	2.3	3.5	-55	100	7	G0226	CB34
	40	BH11	2A	1.0M	PCB	8.0	0.0	DTL	10	20	25	25	100n	70n	30n	4.7	3.5	-55	100	7	G0226	CB34
	41	IC11	2C	300k	PCB	8.0	0.0	DTL	15	7	25	25	110n	60n	50n	1.7	3.5	-55	100	7	G0226a	CB34
	42	IH11	2C	1.0M	PCB	8.0	0.0	DTL	10	12	25	25	60n	35n	25n	3.6	3.5	-55	100	7	G0226a	CB34
	43	IL11	2C	8.0M	PCB	8.0	0.0	DTL	10	16	25	25	25n	15n	10n	3.6	3.5	-55	100	7	G0226a	CB34
	44	WM10423	2E	10M	3DM	6.0	0.0	DTL	4		6	18								1		M43
	45	WM10423D	2E	10M	3DM	6.0	0.0	DTL	4		6	18								2		M43
	46	469	2G	30M	PCB	-.68	0.0	DTL	3†	1	12	12		200n	500n	1.0		0	55	5	G0215	CB24
	47	MC351F	2M	15M	MON	-.75	-1.6	ECT	5	25	5.2	0	21nΔ	12n	15n	48m	400m	0	75	1	G0279b	TO91
	48	MC351G	2M	15M	MON	-.75	-1.6	ECT	5	25	5.2	0	21nΔ	12n	15n	48m	400m	0	75	1	G0279b	CN9
	49	MC356F	2M	40M	MON	-.75	-1.6	ECT	3	25	5.2	0	20nΔ	10n	14n	48m	400m	0	75	1	G0279	TO91
	50	MC356G	2M	40M	MON	-.75	-1.6	ECT	3	25	5.2	0	20nΔ	10n	14n	48m	400m	0	75	1	G0279	CN9
	51	MC357F	2M	40M	MON	-.75	-1.6	ECT	3	25	5.2	0	20nΔ	10n	14n	20m	400m	0	75	1	G0279a	TO91
	52	MC357G	2M	40M	MON	-.75	-1.6	ECT	3	25	5.2	0	20nΔ	10n	14n	20m	400m	0	75	1	G0279a	CN9
	53	MIC320-1A	2M		RTL	5	4	0.0	4.0	5.0n					10	200m	-55	125	1		TO89	
	54	MIC320-1B	2M		RTL	5	4	0.0	4.0	5.0n					10	200m	-55	125	1		TO86	
	55	MIC320-1C	2M		RTL	5	4	0.0	4.0	5.0n					10	200m	-55	125	1		CN17	
	56	MIC320-2A	2M		RTL	5	4	0.0	4.0	5.0n					10	200m	0	100	1		TO89	
	57	MIC320-2B	2M		RTL	5	4	0.0	4.0	5.0n					10	200m	0	100	1		TO86	
	58	MIC320-2C	2M		RTL	5	4	0.0	4.0	5.0n					10	200m	0	100	1		CN17	
	59	MIC320-3A	2M		RTL	5	4	0.0	4.0	5.0n					10	200m	15	55	1		TO89	
	60	MIC320-3B	2M		RTL	5	4	0.0	4.0	5.0n					10	200m	15	55	1		TO86	
	61	MIC320-3C	2M		RTL	5	4	0.0	4.0	5.0n					10	200m	15	55	1		CN17	
	62	MIC340-1A	2M		RTL	3†	4	0.0	4.0	5.0n					20m	200m	-55	125	2		TO89	
	63	MIC340-1B	2M		RTL	3†	4	0.0	4.0	5.0n					20m	200m	-55	125	2		TO86	
	64	MIC340-1C	2M		RTL	3†	4	0.0	4.0	5.0n					20m	200m	-55	125	2		CN17	
	65	MIC340-2A	2M		RTL	3†	4	0.0	4.0	5.0n					20m	200m	0	100	2		TO89	
	66	MIC340-2B	2M		RTL	3†	4	0.0	4.0	5.0n					20m	200m	0	100	2		TO86	
	67	MIC340-2C	2M		RTL	3†	4	0.0	4.0	5.0n					20m	200m	0	100	2		CN17	
	68	MIC340-3A	2M		RTL	3†	4	0.0	4.0	5.0n					20m	200m	15	55	2		TO89	
	69	MIC340-3B	2M		RTL	3†	4	0.0	4.0	5.0n					20m	200m	15	55	2		TO86	
	70	MIC340-3C	2M		RTL	3†	4	0.0	4.0	5.0n					20m	200m	15	55	2		CN17	
	71	MC1060S	2MS		MON	-.75%	-1.6*	ECT	4	90	8	0	.90n%			110m†	250m	0	75	2	G02137	FP78
	72	SW301G	2MS	40M	MON	-.75	-1.6	ECT	5	25	5.2	0.0	6.5n	12n	12n	47m	400m	-55	125	1	G0242	CN9
	73	SW306G	2MS	40M	MON	-.75	-1.6	ECT	3	25	5.											

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	6	TYPE No.	1	5	MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPA-GATION DELAY (s)	MAX.		TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
							3	4	2	IN	OUT MAX.	NEG. (V)	POS. (V)		RISE TIME tr (s)	FALL TIME tf (s)			LOW	HI		LOGIC DWG. No	OUTLINE DWG. No Δ=Mo
1	SW1024M	2MS	80M	MON	-75	-1.6	ECT	4Δ	25	5.2	0.0	4.0n	7.5n	8.0n	95m	175m	0	75	2	G02119a	M105n		
2	SW1024P	2MS	80M	MON	-75	-1.6	ECT	4Δ	25	5.2	0.0	4.0n	7.5n	8.0n	95m	175m	0	75	2	G02119a	TO116		
3	SW1201F	2MS	80M	MON	-75	-1.6	ECT	6	25	5.2	0.0	4.0n	7.0n	8.0n	115m	175m	-55	125	1	G02106	TO86		
4	SW1201P	2MS	80M	MON	-75	-1.6	ECT	6	25	5.2	0.0	4.0n	7.0n	8.0n	115m	175m	-55	125	1	G02106	TO116		
5	SW1202F	2MS	80M	MON	-75	-1.6	ECT	6	25	5.2	0.0	4.0n	7.0n	8.0n	80m	175m	-55	125	1	G02106a	TO86		
6	SW1202P	2MS	80M	MON	-75	-1.6	ECT	6	25	5.2	0.0	4.0n	7.0n	8.0n	80m	175m	-55	125	1	G02106a	TO116		
7	SW1203F	2MS	80M	MON	-75	-1.6	ECT	6	25	5.2	0.0	4.0n	7.0n	8.0n	40m	175m	-55	125	1	G02106b	TO86		
8	SW1203P	2MS	80M	MON	-75	-1.6	ECT	6	25	5.2	0.0	4.0n	7.0n	8.0n	40m	175m	-55	125	1	G02106b	TO116		
9	SW1204F	2MS	80M	MON	-75	-1.6	ECT	4	25	5.2	0.0	4.0n	7.0n	8.0n	95m	175m	-55	125	2	G02101	TO86		
10	SW1204P	2MS	80M	MON	-75	-1.6	ECT	4	25	5.2	0.0	4.0n	7.0n	8.0n	95m	175m	-55	125	2	G02101	TO116		
11	SW1205F	2MS	80M	MON	-75	-1.6	ECT	4	25	5.2	0.0	4.0n	7.0n	8.0n	65m	175m	-55	125	2	G02101a	TO86		
12	SW1205P	2MS	80M	MON	-75	-1.6	ECT	4	25	5.2	0.0	4.0n	7.0n	8.0n	65m	175m	-55	125	2	G02101a	TO116		
13	SW1206F	2MS	80M	MON	-75	-1.6	ECT	4	25	5.2	0.0	4.0n	7.0n	8.0n	45m	175m	-55	125	2	G02101b	TO86		
14	SW1206P	2MS	80M	MON	-75	-1.6	ECT	4	25	5.2	0.0	4.0n	7.0n	8.0n	45m	175m	-55	125	2	G02101b	TO116		
15	SW1224F	2MS	80M	MON	-75	-1.6	ECT	4Δ	25	5.2	0.0	4.0n	7.5n	8.0n	95m	175m	-55	125	2	G02119a	TO86		
16	SW1224P	2MS	80M	MON	-75	-1.6	ECT	4Δ	25	5.2	0.0	4.0n	7.5n	8.0n	95m	175m	-55	125	2	G02119a	TO116		
17	B658	2S		PCB	-6.0	0.0	DTL	4	4	12	6.0				150m	2.0	-15	60	1	G0217	CB22		
18	MC315F	2S		MON	-75	-1.6	ECT	5Δ	25	5.2	0	20n	20n	20n	340m		-55	125	1	G0284	TO91		
19	MC315G	2S		MON	-75	-1.6	ECT	5Δ	25	5.2	0	20n	20n	20n	340m		-55	125	1	G0284	CN9		
20	MC365F	2S		MON	-75	-1.6	ECT	5Δ	25	5.2	0	20n	19n	19n	340m		0	75	1	G0284	TO91		
21	MC365G	2S		MON	-75	-1.6	ECT	5Δ	25	5.2	0	20n	19n	19n	340m		0	75	1	G0284	CN9		
22	MC1001P	2S		MON	-75	-1.6	ECT	6	150	5.2	0.0	4.0n%			115m		0	75	1	G02106	TO116		
23	MC1002P	2S		MON	-75	-1.6	ECT	6	150	5.2	0.0	4.0n%			80m		0	75	1	G02106a	TO116		
24	MC1003P	2S		MON	-75	-1.6	ECT	6	150	5.2	0.0	4.0n%			40m		0	75	1	G02106b	TO116		
25	MC1004P	2S		MON	-75	-1.6	ECT	4	50	5.2	0.0	4.0n%			95m		0	75	2	G02101	TO116		
26	MC1005P	2S		MON	-75	-1.6	ECT	4	50	5.2	0.0	4.0n%			65m		0	75	2	G02101a	TO116		
27	MC1006P	2S		MON	-75	-1.6	ECT	4	50	5.2	0.0	4.0n%			45m		0	75	2	G02101b	TO116		
28	MC1024P	2S		MON	-75	-1.6	ECT	4Δ	50	5.2	0.0	4.0n%			15m		0	75	2	G02119	TO116		
29	MC1201L	2S		MON	-75	-1.6	ECT	6	150	5.2	0.0	4.0n%			115m		-55	125	1	G02106	TO116		
30	MC1202L	2S		MON	-75	-1.6	ECT	6	150	5.2	0.0	4.0n%			80m		-55	125	1	G02106a	TO116		
31	MC1203L	2S		MON	-75	-1.6	ECT	6	150	5.2	0.0	4.0n%			40m		-55	125	1	G02106b	TO116		
32	MC1204L	2S		MON	-75	-1.6	ECT	4	50	5.2	0.0	4.0n%			95m		-55	125	2	G02101	TO116		
33	MC1205L	2S		MON	-75	-1.6	ECT	4	50	5.2	0.0	4.0n%			95m		-55	125	2	G02101a	TO116		
34	MC1206L	2S		MON	-75	-1.6	ECT	4	50	5.2	0.0	4.0n%			45m		-55	125	2	G02101b	TO116		
35	MC1224F	2S		MON	-75	-1.6	ECT	4Δ	50	5.2	0.0	4.0n%			95m		-55	125	2	G02119	TO86		
36	MC1224L	2S		MON	-75	-1.6	ECT	4Δ	50	5.2	0.0	4.0n%			95m		-55	125	2	G02119	TO116		
37	MC301F	2S	40M	MON	-75	-1.6	ECT	5	26	5.2	0	6.5n	12n	12n	47m	400m	-55	125	1	G0242	TO91		
38	MC301G	2S	40M	MON	-75	-1.6	ECT	5	26	5.2	0	6.5n	12n	12n	47m	400m	-55	125	1	G0242	CN9		
39	MC306F	2S	40M	MON	-75	-1.6	ECT	3	25	5.2	0	6.0n	12n	11n	47m	400m	-55	125	1	G0242	TO91		
40	MC306G	2S	40M	MON	-75	-1.6	ECT	3	25	5.2	0	6.0n	12n	11n	47m	400m	-55	125	1	G0242	CN9		
41	MC307F	2S	40M	MON	-75	-1.6	ECT	3	25	5.2	0	6.0n	12n	11n	20m	400m	-55	125	1	G0242a	TO91		
42	MC307G	2S	40M	MON	-75	-1.6	ECT	3	25	5.2	0	6.0n	12n	11n	20m	400m	-55	125	1	G0242a	CN9		
43	U5B990928	3		MON				2	30	0.0	3.6	40n			2.0m	250m	15	55	1	G0336	TO99		
44	U5B990929	3		MON				2	30	0.0	3.6	40n			2.0m	250m	0	70	1	G0336	TO99		
45	U5F990928	3		MON				2	30	0.0	3.6	40n			2.0m	250m	15	55	1	G0336	TO100		
46	U5F990929	3		MON				2	30	0.0	3.6	40n			2.0m	250m	0	70	1	G0336	TO100		
47	U8A990928	3		MON				2	30	0.0	3.6	40n			2.0m	250m	15	55	1	G0336	CN34		
48	U8A990929	3		MON				2	30	0.0	3.6	40n			2.0m	250m	0	70	1	G0336	CN34		
49	LU314	3			3.3%	.60*		7	12	0.0	4.5	40n%			18mΔ	1.2 Δ	10	55	1		CN17		
50	LU315	3			3.3%	.60*		3	12	0.0	4.5	40n%			18mΔ	1.2 Δ	10	55	2		CN17		
51	LU316	3			3.3%	.60*		3Δ	12	0.0	4.5	40n%			18mΔ	1.2 Δ	10	55	2		CN17		
52	LU331	3			3.3%	.60*		3Δ	12	0.0	4.5	35n□			36mΔ	1.2 Δ	10	55	2		CN17		
53	LU332	3			3.3%	.60*		3	12	0.0	4.5	35n□			36mΔ	1.2 Δ	10	55	2		CN17		
54	LU314A	3	35M		3.8%	.60*		7	16	0.0	6.0	20n			22m	1.2	-10	55	1	G0328c	M114c		
55	LU317A	3	35M		3.8%	.60*		4	16	0	6	20n			22m	1.2	-10	55	2		M114c		
56	LU370A	3	35M		3.8%	.60*		3	16	0	6	20n			22m	1.2	-10	55	3		M114c		
57	LU380A	3	35M		3.8%	.60*		2	16	0	6	20n			22m	1.2	-10	55	4		M114c		
58	CD4001UBK	3		MOS	9.95%	.05*†		2	10	0.0	10	60nΔ			5.0u%		-55	125	4	G03290	Δ004AF		
59	MC2501L	3		MOS	9.99%	.010*†		2	10	0.0	10				1.0u%		-55	125	4	G03252	M157a		
60	MC2502L	3		MOS	9.99%	.010*†		4	10	0.0	10	125nΔ			1.0u%		-55	125	2	G03253	M157a		
61	MC14001L	3		MOS	9.99%	.011*†		2	50	0.0	10	40n†			1.0u%		-55	125	4	G03212	M157a		
62	MC14002L	3		MOS	9.99%	.011*†		4	50	0.0	10	50n†			1.0u%		-55	125	2	G03253	M157a		
63	T638A	3	250k		-3.0	-1.1		10	2	12	12				48m		-54	65					
64	LCE202	3	2.0M	MOH	-6.0	0.0†		5		12	6	20n					-10	55	1		CN27		
65	LCE210	3	2.0M	MOH	-6.0	0.0†		5		12	6	20n					-10	55	1		CN27		
66	PL4G10AC	3	2.0M	MOS	-9.0%	-3.0*		2†		25	0.0	125nΔ			300m	1.0 *	0	70	8	G03255	M149		
67	PL4G10C	3	2.0M	MOS	-9.0%	-3.0*		2†		25	0.0	300nΔ			300m	1.0 *	0	70	8	G03255	FP64		
68	PL4G11AC	3	2.0M	MOS	-9.0%	-3.0*		5†		25	0.0	125nΔ			300m	1.0 *	0	70	4	G03256	M149		
69	PL4G11ACF	3	2.0M	MOS	-9%	-3*		5†		25	0.0	125nΔ			300m	1.0	0	70	4		FP48		
70	PL4G11ACP	3	2.0M	MOS	-9%	-3*		5†		25	0.0	125nΔ			300m	1.0	0	70	4		M149		
71	PL4G11C	3	2.0M	MOS	-9.0%	-3.0*		5†		25	0.0	300nΔ			300m	1.0 *	0	70	4	G03256	FP64		
72	PL4G11CF	3	2.0M	MOS	-9%	-3*		5†		25	0.0	300nΔ			300m	1.0	0	70	4		FP48		
73	PL4G11CP	3	2.0M	MOS	-9%	-3*		5†		25	0.0	300nΔ			300m	1.0	0	70</					

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL			FAN IN	POWER SUPPLY SPAN	PROPAGATION DELAY (s)	MAX.		TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS			
					3	4	2				IN	OUT MAX.			RISE TIME tr (s)	FALL TIME tf (s)		LOW °C	HI °C	LOGIC DWG. No	OUTLINE DWG. No Δ=NO
1	TP4002AJ	3		MOS	7.1%	2.9*	CMS	4	0.0	10	130nΔ		300u%		-40	85	2	G03291	M157b		
2	TP4002AN	3		MOS	7.1%	2.9*	CMS	4	0.0	10	130nΔ		300u%		-40	85	2	G03291	M126e		
3	TP4025AJ	3		MOS	7.1%	2.9*	CMS	3	0.0	10	130nΔ		300u%		-40	85	3		M157b		
4	TP4025AN	3		MOS	7.1%	2.9*	CMS	3	0.0	10	130nΔ		300u%		-40	85	3		M126e		
5	TP4301AJ	3		MOS	7.1%	2.9*	CMS	2	0.0	10	230nΔ		300u%		-40	85	4	G03290	M157b		
6	TP4301AN	3		MOS	7.1%	2.9*	CMS	2	0.0	10	230nΔ		300u%		-40	85	4	G03290	M126e		
7	CD4002BK	3		MOS	9.95%	.05*†	CMS	4	0.0	10	120nΔ		5.0u%	2.0	-55	125	2	G03291	Δ004AF		
8	CD4025BK	3		MOS	9.95%	.05*†	CMS	3	0.0	10	120nΔ		5.0u%	2.0	-55	125	3	G03292	Δ004AF		
9	SCL4001BD	3		MOS	9.95%	.05*†	CMS	2	50	0.0	10	120nΔ	1.0u%	3.0	-55	125	4	G03290	M257j		
10	SCL4001BF	3		MOS	9.95%	.05*†	CMS	2	50	0.0	10	120nΔ	1.0u%	3.0	-55	125	4	G03290	Δ004AF		
11	SCL4001UBD	3		MOS	9.95%	.05*†	CMS	2	50	0.0	10	70nΔ	1.0u%	3.0	-55	125	4	G03290	M257j		
12	SCL4001UBF	3		MOS	9.95%	.05*†	CMS	2	50	0.0	10	70nΔ	1.0u%	3.0	-55	125	4	G03290	Δ004AF		
13	SCL4002BD	3		MOS	9.95%	.05*†	CMS	4	50	0.0	10	120nΔ	1.0u%	3.0	-55	125	2	G03291	M257j		
14	SCL4002BF	3		MOS	9.95%	.05*†	CMS	4	50	0.0	10	120nΔ	1.0u%	3.0	-55	125	3	G03291	Δ004AF		
15	SCL4025BD	3		MOS	9.95%	.05*†	CMS	3	50	0.0	10	120nΔ	1.0u%	3.0	-55	125	3	G03292	M257j		
16	SCL4025BF	3		MOS	9.95%	.05*†	CMS	3	50	0.0	10	120nΔ	1.0u%	3.0	-55	125	3	G03292	Δ004AF		
17	SCL4078BD	3		MOS	9.95%	.05*†	CMS	8	50	0.0	10	120nΔ	1.0u%	3.0	-55	125	1	G03288	M257j		
18	SCL4078BF	3		MOS	9.95%	.05*†	CMS	8	50	0.0	10	120nΔ	1.0u%	3.0	-55	125	1	G03288	Δ004AF		
19	SCL4402BD	3		MOS	9.95%	.05*†	CMS	8Δ	50	0.0	10	120nΔ	1.0u%	3.0	-55	125	2	G03278	Δ001AE		
20	SCL4402BF	3		MOS	9.95%	.05*†	CMS	8Δ	50	0.0	10	120nΔ	1.0u%	3.0	-55	125	2	G03278	Δ004AH		
21	CD4078BH	3		MOS	9.99%	.01*†	CMS	8	0.0	10	340nΔ		200m%	4.5 Δ	-55	125	1	G03288	FC□		
22	HD1-4000A2	3		MOS	9.99%	.01*†	CMS	3	0.0	10	45nΔ	20n	1.0u%	4.5 Δ	-55	125	2	G03211a	M126v		
23	HD1-4000A9	3		MOS	9.99%	.01*†	CMS	3	0.0	10	65nΔ	20n	50u%	4.5 Δ	-40	85	2	G03211a	M126v		
24	HD1-4001A2	3		MOS	9.99%	.01*†	CMS	2	0.0	10	45nΔ	20n	1.0u%	4.5 Δ	-55	125	4	G03212a	M126v		
25	HD1-4001A9	3		MOS	9.99%	.01*†	CMS	2	0.0	10	65nΔ	20n	50u%	4.5 Δ	-40	85	4	G03212a	M126v		
26	HD1-4002A2	3		MOS	9.99%	.01*†	CMS	4	0.0	10	45nΔ	20n	1.0u%	4.5 Δ	-55	125	2	G03213a	M126v		
27	HD1-4002A9	3		MOS	9.99%	.01*†	CMS	4	0.0	10	65nΔ	20n	50u%	4.5 Δ	-40	85	2	G03213a	M126v		
28	HD1-4025A2	3		MOS	9.99%	.01*†	CMS	0	0.0	10	45nΔ	20n	1.0u%	4.5 Δ	-55	125	3	G03266	M126v		
29	HD1-4025A9	3		MOS	9.99%	.01*†	CMS	0	0.0	10	65nΔ	20n	50u%	4.5 Δ	-40	85	3	G03266	M126v		
30	HD9-4000A2	3		MOS	9.99%	.01*†	CMS	3	0.0	10	45nΔ	20n	1.0u%	4.5 Δ	-55	125	2	G03211a	TO86		
31	HD9-4000A9	3		MOS	9.99%	.01*†	CMS	3	0.0	10	65nΔ	20n	50u%	4.5 Δ	-40	85	2	G03211a	TO86		
32	HD9-4001A2	3		MOS	9.99%	.01*†	CMS	2	0.0	10	45nΔ	20n	1.0u%	4.5 Δ	-55	125	4	G03212a	TO86		
33	HD9-4001A9	3		MOS	9.99%	.01*†	CMS	2	0.0	10	65nΔ	20n	50u%	4.5 Δ	-40	85	4	G03212a	TO86		
34	HD9-4002A2	3		MOS	9.99%	.01*†	CMS	4	0.0	10	45nΔ	20n	1.0u%	4.5 Δ	-55	125	2	G03213a	TO86		
35	HD9-4002A9	3		MOS	9.99%	.01*†	CMS	4	0.0	10	65nΔ	20n	50u%	4.5 Δ	-40	85	2	G03213a	TO86		
36	HD9-4025A2	3		MOS	9.99%	.01*†	CMS	0	0.0	10	45nΔ	20n	1.0u%	4.5 Δ	-55	125	3	G03266	TO86		
37	HD9-4025A9	3		MOS	9.99%	.01*†	CMS	0	0.0	10	65nΔ	20n	50u%	4.5 Δ	-40	85	3	G03266	TO86		
38	MC14002BCL	3		MOS	9.99%	.01*†	CMS	4	0.0	10	65n	100n	100n	10u%	4.5 Δ	-40	85	2	G03291	TO116	
39	MC14025BCL	3		MOS	9.99%	.01*†	CMS	3	0.0	10	45nΔ	100n	100n	10u%	4.5 Δ	-40	85	3	G03292	TO116	
40	SCL4000AC	3		MOS	9.99%	.01*†	CMS	3	0.0	10	45nΔ		1.0u%	4.5	-55	125	2	G03296	M475a		
41	SCL4000AD	3		MOS	9.99%	.01*†	CMS	3	0.0	10	45nΔ		1.0u%	4.5	-55	125	2	G03296	M475b		
42	SCL4000AE	3		MOS	9.99%	.01*†	CMS	3	0.0	10	45nΔ		1.0u%	4.5	-40	85	2	G03296	M475c		
43	SCL4000AF	3		MOS	9.99%	.01*†	CMS	3	0.0	10	45nΔ		1.0u%	4.5	-55	125	2	G03296	FP110		
44	SCL4000AH	3		MOS	9.99%	.01*†	CMS	3	0.0	10	45nΔ		1.0u%	4.5	-55	125	2	G03296	FC□		
45	SCL4001AC	3		MOS	9.99%	.01*†	CMS	2	0.0	10	45nΔ		1.0u%	4.5	-55	125	4	G03290	M475a		
46	SCL4001AD	3		MOS	9.99%	.01*†	CMS	2	0.0	10	45nΔ		1.0u%	4.5	-55	125	4	G03290	M475b		
47	SCL4001AE	3		MOS	9.99%	.01*†	CMS	2	0.0	10	45nΔ		1.0u%	4.5	-40	85	4	G03290	M475c		
48	SCL4001AF	3		MOS	9.99%	.01*†	CMS	2	0.0	10	45nΔ		1.0u%	4.5	-55	125	4	G03290	FP110		
49	SCL4001AH	3		MOS	9.99%	.01*†	CMS	2	0.0	10	45nΔ		1.0u%	4.5	-55	125	4	G03290	FC□		
50	SCL4002AC	3		MOS	9.99%	.01*†	CMS	4	0.0	10	45nΔ		1.0u%	4.5	-55	125	2	G03291	M475a		
51	SCL4002AD	3		MOS	9.99%	.01*†	CMS	4	0.0	10	45nΔ		1.0u%	4.5	-55	125	2	G03291	M475b		
52	SCL4002AE	3		MOS	9.99%	.01*†	CMS	4	0.0	10	45nΔ		1.0u%	4.5	-40	85	2	G03291	M475c		
53	SCL4002AF	3		MOS	9.99%	.01*†	CMS	4	0.0	10	45nΔ		1.0u%	4.5	-55	125	2	G03291	FP110		
54	SCL4002AH	3		MOS	9.99%	.01*†	CMS	4	0.0	10	45nΔ		1.0u%	4.5	-55	125	2	G03291	FC□		
55	SCL4025AC	3		MOS	9.99%	.01*†	CMS	3	0.0	10	45nΔ		1.0u%	4.5	-55	125	3	G03292	M475a		
56	SCL4025AD	3		MOS	9.99%	.01*†	CMS	3	0.0	10	45nΔ		1.0u%	4.5	-55	125	3	G03292	M475b		
57	SCL4025AE	3		MOS	9.99%	.01*†	CMS	3	0.0	10	45nΔ		1.0u%	4.5	-40	85	3	G03292	M475c		
58	SCL4025AF	3		MOS	9.99%	.01*†	CMS	3	0.0	10	45nΔ		1.0u%	4.5	-55	125	3	G03292	FP110		
59	SCL4025AH	3		MOS	9.99%	.01*†	CMS	3	0.0	10	45nΔ		1.0u%	4.5	-55	125	3	G03292	FC□		
60	SCL4402AC	3		MOS	9.99%	.01*†	CMS	8Δ	0.0	10	45nΔ		1.0u%	4.5	-55	125	2	G03278	M475d		
61	SCL4402AD	3		MOS	9.99%	.01*†	CMS	8Δ	0.0	10	45nΔ		1.0u%	4.5	-55	125	2	G03278	M475e		
62	SCL4402AE	3		MOS	9.99%	.01*†	CMS	8Δ	0.0	10	45nΔ		1.0u%	4.5	-40	85	2	G03278	FC□		
63	SCL4402AH	3		MOS	9.99%	.01*†	CMS	8Δ	0.0	10	45nΔ		1.0u%	4.5 Δ	-55	125	2	G03278	FC□		
64	CD4000AK	3		MOS	10	0.0†	CMS	3	0.0	10	45nΔ		1.0u%	4.5 Δ	-55	125	2	G03296	Δ004AF		
65	CD4001AK	3		MOS	10	0.0†	CMS	2	0.0	10	45nΔ		1.0u%	4.5 Δ	-55	125	4	G03290	Δ004AF		
66	CD4002AK	3		MOS	10	0.0†	CMS	4	0.0	10	45nΔ		1.0u%	4.5 Δ	-55	125	2	G03291	Δ004AF		
67	CD4025AK	3		MOS	10	0.0†	CMS	3	0.0	10	65nΔ		10u%	4.5 Δ	-40	85	3	G03266	Δ001AB		
68	CD4078BK	3		MOS	10	0.0†	CMS	8	0.0	10	340nΔ		1.0u%	4.5 Δ	-55	125	3	G03288	Δ004AF		
69	CD4078BK	3		MOS	10	0.0†	CMS	8	0.0	10	340nΔ		200m%	4.5 Δ	-55	125	1	G03288	Δ004AF		
70	INS4000S	3	10M	MOS	10	0.0†	CMS	3†	50	0.0	10	10n	3.0u%	4.5 Δ	-55	125	3	G03211a	M236b		
71	INS4001S	3	10M	MOS	10	0.0†	CMS	4	50	0.0	10	10n	3.0u%	4.5 Δ	-55	125	4	G0366c	M236b		
72	INS4002S	3	10M	MOS	10	0.0†	CMS	4	50	0.0	10	25n	3.0u%	4.5 Δ	-55	125	2	G043aw	M236b		
73	INS4025S	3	10M	MOS	10	0.0†	CMS	3	50	0.0	10	10n	3.0u%	4.5 Δ	-55	125	3	G03266	M236b		
74	CD4002UBH	3		MOS	15	0.0	CMS	4	50	0.0	15	50nΔ		500m	4.5 Δ	-55	125	2	G03213a		
75	CD4002UBK	3		MOS	15	0.0	CMS	4	50	0.0	15	50nΔ		500m	4.5 Δ	-55	125	2	G03291	Δ004AF	
76	CD4025UBH	3																			

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPAGA- DELAY (s)	MAX.		TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					LEVEL	TYPE	IN	OUT MAX.	NEG. (V)	POS. (V)	RISE TIME tr (s)		FALL TIME tf (s)	LOW			HI	LOGIC DWG. No		OUTLINE DWG. No	
																					3
1	EM2604A	3	2.0M	3DM	0.0	-6.0	DTL	5	5	12	6	18n	30n	80n	310m	500m	-55	71	1	G03106a	M62a
2	EM3004	3	2.0M	3DM	0.0	-6.0	DTL	3	5	6	12	12n	30n	60n	112m	500m	-55	125	2	G03172	M62a
3	EM3004C	3	2.0M	3DM	0.0	-6.0	DTL	5	5	6	12	12n	30n	60n	135m	500m	-55	125	2	G03172a	M62a
4	DTN413	3	5.0M	3DM	0.0	-6.0	DTL	5	4	12	12	30n	50n	150n	202m	1.0	-25	60	1	G0388a	M2
5#	502-02	3	10M	MON	.20	3.5	DTL	1Δ	6	10	12				200m	1.0	10	55	2	G03133	CN2
6#	502-03	3	10M	MON	.20	3.5	DTL	1Δ	6	10	12				200m	1.0	10	55	2	G03133	CN2
7#	502-05	3	10M	MON	.20	3.5	DTL	1Δ	6	10	12				200m	1.0	10	55	2	G03133	CN2
8#	502-06	3	10M	MON	.20	3.5	DTL	1Δ	6	10	12				200m	1.0	10	55	2	G03133	CN2
9#	ZSS119A	3		MON	.20	4.0	DTL		8	0.0	5.0	16n			19m		-55	125	2		CN2
10#	ZSS119B	3		MON	.20	4.0	DTL		8	0.0	5.0	16n			19m		-55	125	2		CN2
11#	ZSM1A	3	5.0M%	MOH	1.0	3.0	DTL	2	4	0	4.4	20n	30n	30n	160m	1.0 Δ	-40	125	1	G03113	CN2
12#	ZSM1B	3	5.0M%	MOH	1.0	3.0	DTL	2Δ	4	0	4.4	20n	30n	30n	160m	1.0 Δ	-40	125	1	G03113a	CN2
13#	ZSS1A	3	5.0M%	MOH	1.0	3.0	DTL	2	4	0	4.4	20n	30n	30n	130m	1.0 Δ	-40	125	1	G03112	CN2
14#	ZSS1B	3	5.0M%	MOH	1.0	3.0	DTL	2	4	0	4.4	20n	30n	30n	160m	1.0 Δ	-40	125	1	G03112a	CN2
15#	ZSS2A	3	5.0M%	MOH	1.0	3.0	DTL	2	4	0	4.4	20n	30n	30n	175m	1.0 Δ	-40	125	1	G03119	CN2
16#	ZSS2B	3	5.0M%	MOH	1.0	3.0	DTL	2	4	0	4.4	20n	30n	30n	160m	1.0 Δ	-40	125	1	G03119a	CN2
17#	ZSS3A	3	5.0M%	MOH	1.0	3.0	DTL	2	4	0	4.4	20n	30n	30n	165m	1.0 Δ	-40	125	2	G03118	CN2
18#	ZSS3B	3	5.0M%	MOH	1.0	3.0	DTL	2	4	0	4.4	20n	30n	30n	160m	1.0 Δ	-40	125	2	G03118a	CN2
19	SW1910F	3		MON	1.8%	1.2*	DTL	2	8†	0.0	8.0	30n			70mf†	1.0	-55	125	4	G02137	TO86
20	SW1910P	3		MON	1.8%	1.2*	DTL	2	8†	0.0	8.0	30n			70mf†	1.0	-55	125	4	G02137	M114
21	SW1810F	3		MON	1.9%	1.2*	DTL	2	8†	0.0	8.0	30n			70mf†	1.0	0	75	4	G02137	TO86
22	SW1810M	3		MON	1.9%	1.2*	DTL	2	8†	0.0	8.0	30n			70mf†	1.0	0	75	4	G02137	M105
23	SW1810P	3		MON	1.9%	1.2*	DTL	2	8†	0.0	8.0	30n			70mf†	1.0	0	75	4	G02137	M114
24	NOR4	3	50k	3DM	2.0	.20	DTL	4	6	0.0	3.0	5.0u	250n	250n	1.0u	400m	-20	85	1	G0363	M12
25	LU314K	3		MON	2.7	0.0	DTL	7	17		5.5	30n%			18m		15	55	1	G0328	CN17
26	LU315K	3		MON	2.7	0.0	DTL	3	17		5.5	30n%			18m		15	55	2	G0328a	CN17
27	LU316K	3		MON	2.7	0.0	DTL	2	17		5.5	30n%			18m		15	55	2	G0328b	CN17
28	SU314G	3		MON	2.7	0.0	DTL	7	17		5.5	30n%			18m	1.2 Δ	-20	85	1	G0328	TO91
29	SU314K	3		MON	2.7	0.0	DTL	7	17		5.5	30n%			18m	1.2 Δ	-20	85	1	G0328	CN17
30	SU315G	3		MON	2.7	0.0	DTL	3	17		5.5	30n%			18m	1.2 Δ	-20	85	2	G0328a	TO91
31	SU315K	3		MON	2.7	0.0	DTL	3	17		5.5	30n%			18m	1.2 Δ	-20	85	2	G0328a	CN17
32	SU316G	3		MON	2.7	0.0	DTL	2	17		5.5	30n%			18m	1.2 Δ	-20	85	2	G0328b	TO91
33	SU316K	3		MON	2.7	0.0	DTL	2	17		5.5	30n%			18m	1.2 Δ	-20	85	2	G0328b	CN17
34	IT27	3	10M	PCB	4.0	0.0	DTL	3†	14	0	8	30n	5.0n	5.0n	2.0	1.5	5	71	12	G03131a	CB37a
35	NC10	3	15M	MOH	5.0	.30	DTL	5Δ	15	3	12	8.0n	25n	12n	170m		-55	125	1	G0318	CN43
36	SN348A	3	1.0M	MON	6.7	0.0	DTL	2		0	12				130m		-65	150	3	G03105	ZB6
37#	FZH285	3		MON	7.5%	4.5*	DTL	3†	10	0.0	15	340n	570n	210n	408m	8.0	0	70	4	G03280	M117aa
38	CT437-3	3	250k	PCB	-3.0	-1.1	DTL	4			12	200n	1.0u		224m		-54	71	3		CB16
39	CT645-2	3	250k	PCB	-3.0	-1.1	DTL	7			12	200n	1.0u		156m		-54	71	2		CB16
40	T437	3	250k	3DM	-3.0	-1.1	DTL	4			12	200n	1.0u		78m		-54	71	2	G0398a	M17
41	T645	3	250k	3DM	-3.0	-1.1	DTL	7			12	200n	1.0u		78m		-54	71	2	G0399	M17
42	CT308-3	3	1.0M	PCB	-3.0	-1.1	DTL	4			12	100n	1.0u		306m		-55	71	3		CB16
43	T308	3	1.0M	3DM	-3.0	-1.1	DTL	4			12	100n	200n		102m		-55	71	1	G0398	M17
44	T315	3	1.0M	3DM	-3.0	-1.1	DTL	2			12	500n			168m		-54	71	1	G0577	M17
45	T805	3	1.0M	3DM	-3.0	-1.1	DTL	2			12	500n	500n		335m		-45	65	1		
46	B656	3	1.0k	PCB	-6.0	0.0	DTL	3	4	12	6.0				200m	2.0	-15	60	2	G0323	CB22
47	G308	3	100k	3DM	-6.0	0.0	DTL	4	4	12	6.0	1.4u	600n	1.4u	425m		-55	71	3		CB16
48	G322	3	100k	PCB	-6.0	0.0	DTL	4	4	12	6.0	1.4u	600n	1.4u	850m		-55	71	6		CB16
49	GA308	3	100k	PCB	-6.0	0.0	DTL	4	4	12	6.0	1.4u	600n	1.4u	425m		-55	71	3		CB16
50	GA322	3	100k	PCB	-6.0	0.0	DTL	4	4	12	6.0	1.4u	600n	1.4u	850m		-55	71	6		CB16
51	NO21-1	3	2.0M	3DM	12	0.0	DTL	4Δ	5	12	12	10n	50n	20n	75m	2.0	-35	125	1	G03102a	M16
52	NO21-2	3	2.0M	3DM	12	0.0	DTL	7Δ	5	12	12	10n	50n	20n	75m	2.0	-35	125	1	G03102	M16
53	NO22-1	3	2.0M	3DM	12	0.0	DTL	2	5	12	12	10n	50n	20n	150m	2.0	-35	125	2	G03103	M16
54	NO11-1	3	100k	3DM	-12	0.0	DTL	4Δ	6	12	12	100n	200n	500n	225m	2.0	-35	65	1	G0317a	M15
55	NO11-2	3	100k	3DM	-12	0.0	DTL	7Δ	6	12	12	100n	200n	500n	225m	2.0	-35	65	1	G0317b	M15
56	NO12-1	3	100k	3DM	-12	0.0	DTL	3Δ	6	12	12	100n	200n	500n	450m	2.0	-35	65	2	G0317c	M15
57	10111E	3	120M		.96	-1.8	ECL	3	90	5.2	0.0	2.5n	3.0n	3.0n	150m	400m	-30	85			M153a
58	10102E	3	150M		.96	-1.8	ECL	2	90	5.2	0.0	2.0n	3.0n	3.0n	100m	400m	-30	85			M153a
59	10106E	3	150M		.96	-1.8	ECL	4†	90	5.2	0.0	2.0n	3.0n	3.0n	75m	400m	-30	85			M153a
60	MC313F	3		MON	-7.5	-1.6	ECT	2	25	5.2	0.0	12n	12n	14n	150m	375m	-55	125	4	G03159	TO86
61	MC363F	3		MON	-7.5	-1.6	ECT	2	25	5.2	0.0	12n	12n	14n	150m	375m	0	75	4	G03159	TO86
62	MC1007P	3		MON	-7.5	-1.6	ECT	3	25	5.2	0.0	4.0n%			110mf†		0	75	3	G03183	TO116
63	MC1008P	3		MON	-7.5	-1.6	ECT	3	25	5.2	0.0	4.0n%			75mf†		0	75	3	G03183a	TO116
64	MC1009P	3		MON	-7.5	-1.6	ECT	3	25	5.2	0.0	4.0n%			60mf†		0	75	3	G03183b	TO116
65	MC1010P	3		MON	-7.5	-1.6	ECT	2	25	5.2	0.0	4.5n%			115mf†		0	75	4	G03159	TO116
66	MC1011P	3		MON	-7.5	-1.6	ECT	2	25	5.2	0.0	4.5n%			95mf†		0	75	4	G03159a	TO116
67	MC1012P	3		MON	-7.5	-1.6	ECT	2	25	5.2	0.0	4.5n%			65mf†		0	75	4	G03159b	TO116
68	MC1050F	3		MON	-7.5	-1.6	ECT	4	10	5.2	0.0	5.0n	5.0n	4.0n	305m	450m	0	70	2		TO86
69	MC1051F	3		MON	-7.5	-1.6	ECT	4	10	5.2	0.0	5.0n	5.0n	4.0n	260m	450m	0	70	2		TO86
70	MC1052F	3		MON	-7.5	-1.6	ECT	8	10	5.2	0.0	5.0n	5.0n	4.0n	180m	450m	0	70	1		TO86
71	MC1062P	3		MON	-7.5	-1.6	ECT	2	25	5.2	0.0	2.0n%	3.5n	3.5n	320mf†		0	75	4	G03264	M278
72	MC1063P	3		MON	-7.5	-1.6	ECT	2	25	5.2	0.0	2.0n%	3.5n	3.5n	320mf†		0	75	4	G03274	TO116
73	MC1207F	3		MON	-7.5	-1.6	ECT	3	25	5.2											

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL	LINE No.	TYPE No.	TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPAGA-TION DELAY (s)	MAX.			MAX. PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
						LEVEL	TYPE	IN	OUT MAX.	NEG. (V)	POS. (V)	RISE TIME tr (s)		FALL TIME tf (s)	LOW	HI			LOGIC DWG. No	OUTLINE DWG. No			
																						3	4
	1	MC312AG	3		MON	-8*	-1.8*	ECT	3	8	5.2	0.0	8.5n					-55	125	2	G03179	CN9	
	2	JANM38510/06002BFA	3		MON	-93%	-1.6*†	ECT	2	10	5.2	0.0	3.7nΔ			220m		-55	125	4	G03277	FP117	
	3	JANM38510/06002BFB	3		MON	-93%	-1.6*†	ECT	2	10	5.2	0.0	3.7nΔ			220m		-55	125	4	G03277	FP117	
	4	JANM38510/06002CFA	3		MON	-93%	-1.6*†	ECT	2	10	5.2	0.0	3.7nΔ			220m		-55	125	4	G03277	FP117	
	5	JANM38510/06002CFB	3		MON	-93%	-1.6*†	ECT	2	10	5.2	0.0	3.7nΔ			220m		-55	125	4	G03277	FP117	
	6	JANM38510/06004BFA	3		MON	-93%	-1.6*†	ECT	4†	10	5.2	0.0	3.7nΔ			165m		-55	125	3	G03265	FP117	
	7	JANM38510/06004BFB	3		MON	-93%	-1.6*†	ECT	4†	10	5.2	0.0	3.7nΔ			165m		-55	125	3	G03265	FP117	
	8	JANM38510/06004CFA	3		MON	-93%	-1.6*†	ECT	4†	10	5.2	0.0	3.7nΔ			165m		-55	125	3	G03265	FP117	
	9	JANM38510/06004CFB	3		MON	-93%	-1.6*†	ECT	4†	10	5.2	0.0	3.7nΔ			165m		-55	125	3	G03265	FP117	
	10	F10102FC	3		MON	-96%	-1.6*†	ECT	2	80G	5.2	0.0	2.9nΔ			135m%	145m*	0	75	4	G03310	FP103	
	11	F10102PC	3		MON	-96%	-1.6*†	ECT	2	80G	5.2	0.0	2.9nΔ			135m%	145m*	0	75	4	G03310a	M562	
	12	F10103FC	3		MON	-96%	-1.6*†	ECT	2	80G	5.2	0.0	2.9nΔ			135m%	145m*	0	75	4	G03310a	FP103	
	13	F10103PC	3		MON	-96%	-1.6*†	ECT	2	80G	5.2	0.0	2.9nΔ			135m%	145m*	0	75	4	G03310a	M562	
	14	F10106FC	3		MON	-96%	-1.6*†	ECT	4†	80G	5.2	0.0	2.9nΔ			109m%	145m*	0	75	3	G03311	FP103	
	15	F10106PC	3		MON	-96%	-1.6*†	ECT	4†	80G	5.2	0.0	2.9nΔ			109m%	145m*	0	75	3	G03311	M562	
	16	F10111FC	3		MON	-96%	-1.6*†	ECT	3	80G	5.2	0.0	3.5nΔ			198m%	145m*	0	75	2	G03313	FP103	
	17	F10111PC	3		MON	-96%	-1.6*†	ECT	3	80G	5.2	0.0	3.5nΔ			198m%	145m*	0	75	2	G03313	M562	
	18	F10211FC	3		MON	-96%	-1.6*†	ECT	3	80G	5.2	0.0	2.5nΔ			198m%	145m*	0	75	2	G03314	FP103	
	19	MC1662S	3		MON	-96%	-1.6*†	ECT	2	70	-5.2	0.0	1.1n	2.1n	2.1n	240m†		0	75	4	G0366	FP78	
	20	MC1663L	3		MON	-96%	-1.6*†	ECT	2	70	5.2	0.0	1.1n	2.1n	2.1n	240m†		0	75	4	G0366	M191	
	21	MC1663S	3		MON	-96%	-1.6*†	ECT	2	70	5.2	0.0	1.1n	2.1n	2.1n	240m†		0	75	4	G0366	FP78	
	22#	SP10102L	3		MON	-96%	-1.6*†	ECT	2	10	5.2	0.0	2.0n†	2.0n†	2.0n†	100m†		0	75	4	G03262	M191	
	23	SN10100J	3		MON	-98%	-1.6*	ECT	3	5.2	0.0	2.5n			100m†		0	85	4	G03293	M153d		
	24	SN10100N	3		MON	-98%	-1.6*	ECT	3	5.2	0.0	2.5n			100m†		0	85	4	G03293	M117x		
	25	SN10102J	3		MON	-98%	-1.6*	ECT	2	5.2	0.0	2.0n			100m†		0	85	4	G03272	M153d		
	26	SN10102N	3		MON	-98%	-1.6*	ECT	2	5.2	0.0	2.0n			100m†		0	85	4	G03272	M117x		
	27	SN10106J	3		MON	-98%	-1.6*	ECT	4†	5.2	0.0	2.0n			75m†		0	85	3	G03271	M153d		
	28	SN10106N	3		MON	-98%	-1.6*	ECT	4†	5.2	0.0	2.0n			75m†		0	85	3	G03271	M117x		
	29	SN10111J	3		MON	-98%	-1.6*	ECT	3	5.2	0.0	3.5n			50m†		0	85	2	G03294	M153d		
	30	SN10111N	3		MON	-98%	-1.6*	ECT	3	5.2	0.0	3.5n			50m†		0	85	2	G03294	M117x		
	31#	SP1662BE	3	300m†	MON	-98%	-1.6*	ECT	2	5.2	0.0	1.7nΔ	2.1n	2.1n	291m†		0	75	4	G0366h	M184a		
	32#	SP1663BE	3	300m†	MON	-98%	-1.6*	ECT	2	5.2	0.0	1.7nΔ	2.1n	2.1n	291m†		0	75	4	G0366h	M184a		
	33#	SP1662AS	3	300m†	MON	-1.0%	-1.6*	ECT	2	5.2	0.0	1.4nΔ	1.7n	1.6n	291m†		0	75	4	G0366	FP94		
	34#	SP1662BS	3	300m†	MON	-1.0%	-1.6*	ECT	2	5.2	0.0	1.7nΔ	2.1n	2.1n	291m†		0	75	4	G0366	FP94		
	35#	SP1663AS	3	300m†	MON	-1.0%	-1.6*	ECT	2	5.2	0.0	1.4nΔ	1.7n	1.6n	291m†		0	75	4	G0366	FP94		
	36#	SP1663BS	3	300m†	MON	-1.0%	-1.6*	ECT	2	5.2	0.0	1.7nΔ	2.1n	2.1n	291m†		0	75	4	G0366	FP94		
	37#	MP104	3		MON	-15	-2	MOS	6		24	0.0	500n			12m	1.0	-55	125	2	G03194	TO100	
	38	RC103	3		MON			RTL	3	5	0.0	10			15m	300m	-55	125	1	G0365e	TO47		
	39	RC123	3		MON			RTL	3	5	0.0	10			15m	300m	-55	125	1	G0365e	TO5		
	40	DTN213	3	250k	3DM	0.0	-6.0	RTL	5	4	12	12	150n	250n	1.5u	180m	1.0	-54	71	1	G0388	M2	
	41	SN17910	3		MON	.81*	.20*	RTL	2	4	0.0	5.0			55n		-55	125	2	G03153			
	42	2NB1007	3	10M	MON	.81	.21	RTL	4	16	0.0	4.0	12n	12n	12n	27m	355m	-55	125	1	G0380	CN19	
	43	2NB1014	3	10M	MON	.81	.25	RTL	4	16	0.0	4.0	12n	12n	12n	54m	355m	-55	125	2	G0359	CN19	
	44	3NB1015	3	10M	MON	.81	.25	RTL	3	16	0.0	4.0	14n	14n	14n	24m	355m	-55	125	2	G0382	CN29	
	45	PL983	3		MON	.82	.45	RTL	2	0.0	4.0	4.0			3.0m		-55	125	4	G0359a	FP1		
	46	PL985	3		MON	.82	.45	RTL	3	0.0	4.0	4.0			3.0m		-55	125	3	G0365a	FP1		
	47	PL9983	3		MON	.82	.45	RTL	2	0.0	4.0	4.0			3.0m		-55	125	4	G0359a	FP1		
	48	PL9985	3		MON	.82	.45	RTL	3	0.0	4.0	4.0			3.0m		-55	125	3	G0365a	FP1		
	49	2NB2007	3	10M	MON	.84	.25	RTL	4	16	0.0	4.0	12n	12n	12n	27m	293m	0	100	1	G0380	CN19	
	50	2NB2014	3	10M	MON	.84	.25	RTL	2	16	0.0	4.0	12n	12n	12n	54m	293m	0	100	2	G0359	CN19	
	51	2NB4007	3	10M	MON	.84	.25	RTL	4	16	0.0	4.0	12n	12n	12n	27m	293m	0	75	1	G0380	CN19	
	52	2NB4014	3	10M	MON	.84	.25	RTL	2	16	0.0	4.0	12n	12n	12n	54m	293m	0	75	2	G0359	CN19	
	53	3NB2015	3	10M	MON	.84	.25	RTL	3	16	0.0	4.0	14n	14n	14n	24m	293m	0	100	2	G0392	CN29	
	54	3NB4015	3	10M	MON	.84	.25	RTL	3	16	0.0	4.0	14n	14n	14n	24m	293m	0	75	2	G0392	CN29	
	55	PL910#1	3		MON	.90	.15	RTL	2	4	0.0	3.0			4.0m		-55	125	2	G0366	CN13		
	56	PL910#2	3		MON	.90	.15	RTL	2	4	0.0	3.0			4.0m		-55	125	2	G0366	FP2		
	57	PL939#1	3		MON	.90	.15	RTL	3	4	0.0	3.0			4.0m		-55	125	2	G0366	CN13		
	58	PL939#2	3		MON	.90	.15	RTL	3	4	0.0	3.0			4.0m		-55	125	2	G0366	FP2		
	59	PL976	3		MON	.90	.15	RTL	2	33	0.0	4.0	30n			10m		-55	125	1	G0379	FP2	
	60	PL977	3		MON	.90	.15	RTL	2	5	0.0	4.0	14n			3.0m		-55	125	2	G0378	FP2	
	61	PL978	3		MON	.90	.15	RTL	3	5	0.0	4.0	14n			3.0m		-55	125	2	G0377	FP2	
	62	PL980	3		MON	.90	.15	RTL	4	5	0.0	4.0	14n			3.0m		-55	125	1	G0383	FP2	
	63	PL9910	3		MON	.90																	

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF GATE	OPER. ATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPAGA-TION DELAY (s)	MAX.		TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					LEVEL	TYPE	IN	OUT MAX.	NEG. (V)	POS. (V)	RISE TIME tr (s)		FALL TIME tf (s)	LOW °C			HI °C	LOGIC DWG. No		OUTLINE DWG. No Δ=MO	
																					'1' (V)
1	RC1231	3		MON			3	5	0.0	10	20n			15m	300m	0	65	1	G0368	CN19	
2	RC1232	3		MON			3	4	0.0	5.0	25n			15m	200m	0	65	1	G0368	CN19	
3	RC1233	3		MON			3	5	0.0	10	20n			15m	300m	-55	125	1	G0368	CN19	
4	T21AE	3		MON	.80	.25	TTL	3	10	0	3	15n		25m	300m	-55	125	1	G0353		
5	T21AH	3		MON	.80	.25	TTL	3	10	0	3	15n		25m	300m	-55	125	1	G0353		
6	T21BE	3		MON	.80	.25	TTL	3	5	0	3	15n		25m	265m	-55	125	1	G0353		
7	T21BH	3		MON	.80	.25	TTL	3	5	0	3	15n		25m	265m	-55	125	1	G0353		
8	T21CE	3		MON	.80	.25	TTL	3	5	0	3	15n		25m	250m	0	70	1	G0353	CN10	
9	T22AE	3		MON	.80	.25	TTL	4	10	0	3	15n		27m	300m	-55	125	1	G0353	CN12	
10	T22AH	3		MON	.80	.25	TTL	4	10	0	3	15n		27m	300m	-55	125	1	G0348a		
11	T22BE	3		MON	.80	.25	TTL	4	5	0	3	15n		27m	265m	-55	125	1	G0348a		
12	T22BH	3		MON	.80	.25	TTL	4	5	0	3	15n		27m	265m	-55	125	1	G0348a		
13	T22CE	3		MON	.80	.25	TTL	4	5	0	3	15n		27m	265m	0	70	1	G0348a	CN10	
14	T23AE	3		MON	.80	.25	TTL	5	10	0	3	15n		25m	300m	-55	125	1	G0348	CN12	
15	T23AH	3		MON	.80	.25	TTL	5	10	0	3	15n		25m	300m	-55	125	1	G0348		
16	T23BE	3		MON	.80	.25	TTL	5	5	0	3	15n		25m	265m	-55	125	1	G0348		
17	T23BH	3		MON	.80	.25	TTL	5	10	0	3	15n		25m	265m	-55	125	1	G0348	FP28	
18	T23CE	3		MON	.80	.25	TTL	5	5	0	3	15n		25m	250m	0	70	1	G0348		
19	T24AE	3		MON	.80	.25	TTL	2	10	0	3	15n		44m	300m	-55	125	2	G0350	CN12	
20	T24AH	3		MON	.80	.25	TTL	2	10	0	3	15n		44m	300m	-55	125	2	G0350		
21	T24BE	3		MON	.80	.25	TTL	2	5	0	3	15n		44m	265m	-55	125	2	G0350		
22	T24BH	3		MON	.80	.25	TTL	2	5	0	3	15n		44m	265m	-55	125	2	G0350	CN10	
23	T24CE	3		MON	.80	.25	TTL	2	5	0	3	15n		44m	250m	0	70	2	G0350	CN12	
24	T25AE	3		MON	.80	.25	TTL	3	10	0	3	15n		44m	300m	-55	125	2	G0351		
25	T25AH	3		MON	.80	.25	TTL	3	10	0	3	15n		44m	300m	-55	125	2	G0351		
26	T25BE	3		MON	.80	.25	TTL	3	5	0	3	15n		44m	265m	-55	125	2	G0351		
27	T25BH	3		MON	.80	.25	TTL	3	5	0	3	15n		44m	265m	-55	125	2	G0351		
28	T25CE	3		MON	.80	.25	TTL	3	5	0	3	15n		44m	250m	0	70	2	G0351	CN11	
29	T26AE	3		MON	.80	.25	TTL	3	10	0.0	3.0	15n		44m	300m	-55	125	2			
30	T26AH	3		MON	.80	.25	TTL	3	10	0.0	3.0	15n		44m	300m	-55	125	2			
31	T26BE	3		MON	.80	.25	TTL	3	5	0.0	3.0	15n		44m	265m	-55	125	2			
32	T26BH	3		MON	.80	.25	TTL	3	5	0.0	3.0	15n		44m	265m	-55	125	2			
33	T26CE	3		MON	.80	.25	TTL	3	5	0.0	3.0	15n		44m	250m	0	70	2		CN10	
34	T28AE	3		MON	.80	.25	TTL	6	10	0	3	15n		88m	300m	-55	125	4	G0352		
35	T28AH	3		MON	.80	.25	TTL	6	10	0	3	15n		88m	300m	-55	125	4	G0352		
36	T28BE	3		MON	.80	.25	TTL	6	5	0.0	3.0	15n		88m	265m	-55	125	4			
37	T28BH	3		MON	.80	.25	TTL	6	5	0.0	3.0	15n		88m	265m	-55	125	4			
38	T28CE	3		MON	.80	.25	TTL	6	5	0	3	15n		88m	250m	0	70	4	G0352	CN12	
39	G11004	3		MON	.80	.25	TTL	5	5	0.0	3.0	15n		25m	250m	0	70	1	G0348	CN10	
40	G11008	3		MON	.80	.25	TTL	5	5	0.0	3.0	15n		25m	265m	-55	125	1	G0348	CN10	
41	G41001	3		MON	.80	.25	TTL	5	10	0.0	3.0	15n		25m	300m	-55	125	1	G0348	FP26	
42	J11001	3		MON	.80	.25	TTL	4	10	0.0	3.0	15n		27m	300m	-55	125	1	G0349	CN10	
43	J11004	3		MON	.80	.25	TTL	4	5	0.0	3.0	15n		27m	250m	0	70	1	G0349	CN10	
44	J11008	3		MON	.80	.25	TTL	4	5	0.0	3.0	15n		27m	265m	-55	125	1	G0349	CN10	
45	J21001	3		MON	.80	.25	TTL	4	10	0.0	3.0	15n		27m	300m	-55	125	1	G0349	TO70	
46	J41001	3		MON	.80	.25	TTL	4	10	0.0	3.0	15n		27m	300m	-55	125	1	G0349	CN10	
47	J41008	3		MON	.80	.25	TTL	4	5	0.0	3.0	15n		27m	265m	-55	125	1	G0349	FP26	
48	K11001	3		MON	.80	.25	TTL	3	10	0.0	3.0	15n		25m	300m	-55	125	1	G0353	CN10	
49	K11004	3		MON	.80	.25	TTL	3	5	0.0	3.0	15n		25m	250m	0	70	1	G0353	CN10	
50	K11008	3		MON	.80	.25	TTL	3	5	0.0	3.0	15n		25m	265m	-55	125	1	G0353	CN10	
51	K41001	3		MON	.80	.25	TTL	3	10	0.0	3.0	15n		25m	300m	-55	125	1	G0353	FP26	
52	K41008	3		MON	.80	.25	TTL	3	5	0.0	3.0	15n		25m	265m	-55	125	1	G0353	FP26	
53	L11001	3		MON	.80	.25	TTL	2	10	0.0	3.0	15n		44m	300m	-55	125	2	G0350	CN10	
54	L11004	3		MON	.80	.25	TTL	2	5	0.0	3.0	15n		44m	250m	0	70	2	G0350	CN10	
55	L11008	3		MON	.80	.25	TTL	2	5	0.0	3.0	15n		44m	265m	-55	125	2	G0350	CN10	
56	L41001	3		MON	.80	.25	TTL	2	10	0.0	3.0	15n		44m	300m	-55	125	2	G0350	FP26	
57	L41008	3		MON	.80	.25	TTL	2	5	0.0	3.0	15n		44m	265m	-55	125	2	G0350	FP26	
58	M11001	3		MON	.80	.25	TTL	3	10	0.0	3.0	15n		44m	300m	-55	125	2	G0351	CN11	
59	M11004	3		MON	.80	.25	TTL	3	5	0.0	3.0	15n		44m	250m	0	70	2	G0351	CN11	
60	M11008	3		MON	.80	.25	TTL	3	5	0.0	3.0	15n		44m	265m	-55	125	2	G0351	CN11	
61	M41001	3		MON	.80	.25	TTL	3	10	0.0	3.0	15n		44m	300m	-55	125	2	G0351	FP26	
62	M41008	3		MON	.80	.25	TTL	3	5	0.0	3.0	15n		44m	265m	-55	125	2	G0351	FP26	
63	N11001	3		MON	.80	.25	TTL	3	10	0.0	3.0	15n		44m	300m	-55	125	2	G0351a	CN11	
64	N11004	3		MON	.80	.25	TTL	3	5	0.0	3.0	15n		44m	250m	0	70	2	G0351a	CN11	
65	N11008	3		MON	.80	.25	TTL	3	5	0.0	3.0	15n		44m	265m	-55	125	2	G0351a	CN11	
66	N41001	3		MON	.80	.25	TTL	3	10	0.0	3.0	15n		44m	300m	-55	125	2	G0351a	FP26	
67	N41008	3		MON	.80	.25	TTL	3	5	0.0	3.0	15n		44m	265m	-55	125	2	G0351a	FP26	
68	Q11001	3		MON	.80	.25	TTL	6	10	0.0	3.0	15n		88m	300m	-55	125	4	G0352	CN12	
69	Q11004	3		MON	.80	.25	TTL	6	5	0.0	3.0	15n		88m	250m	0	70	4	G0352	CN12	
70	Q11008	3		MON	.80	.25	TTL	6	5	0.0	3.0	15n		88m	265m	-55	125	4	G0352	FP26	
71	Q41001	3		MON	.80	.25	TTL	6	10	0.0	3.0	15n		88m	300m	-55	125	4	G0352a	FP26	
72	Q41008	3		MON	.80	.25	TTL	6	5	0.0	3.0	15n		88m	265m	-55	125	4	G0352a	FP26	
73#	SFC207	3		MON	.92%	.35*	TTL	4	16	0	12	10n		20m†		0	70	1	G0380	TO99	
74#	SFC209	3		MON	.92%	.35*	TTL	2	30	0	12	45n		10m†		0	70	1	G0379d	TO99	
75#	SFC210	3		MON	.92%	.35*	TTL	2	4	0	12	25n		12m†		0	70	2	G0391	TO99	
76#	SFC211	3		MON	.92%	.35*	TTL	4	4	0	12	25n		6m†		0	70	1	G0383	TO99	
77#	SFC214	3		MON	.92%	.35*	TTL	2	4	0	12	10n		40m†		0	70	2	G0391	TO99	
78#	SFC215	3		MON	.92%	.35*	TTL	3	16	0	3.6	10n		40m†		0	70	2	G0377	TO100	
79#	T122D2	3		MON	1.4%	.90*	TTL	2	10	0.0	5.0	12nΔ		44m†	1.0 Δ	0	75	4	G03297	M294	
80#	T122F2	3		MON	1.4%	.90*	TTL	2	10	0.0	5.0										

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN OUT		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	RISE TIME tr (s)	FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT MOD	DRAWINGS	
					LEVEL	TYPE	IN	OUT MAX.	NEG. (V)	POS. (V)	LOW						HI	LOGIC DWG. No		OUTLINE DWG. No	
																					'1' (V)
1	9LS27DC	3		MON	2.0%	80*	TTL	3	5	0.0	5.0	8.0n			34m%	300m	0	75	3	G03302	TO116
2	9LS27FC	3		MON	2.0%	80*	TTL	3	5	0.0	5.0	8.0n			34m%	300m	0	75	3	G03302	TO86
3	9LS27PC	3		MON	2.0%	80*	TTL	3	5	0.0	5.0	8.0n			34m%	300m	0	75	3	G03302	TO116
4	74FO2FC	3		MON	2.0%	80*	TTL	2	12	0.0	5.0	4.8n			65m%	300m	0	70	4	G03287	FP21h
5	74LS02FC	3		MON	2.0%	80*	TTL	2	5	0.0	5.0	5.0n			27m%	300m	0	75	4	G03287	TO86
6	74LS27FC	3		MON	2.0%	80*	TTL	3	5	0.0	5.0	8.0n			34m%	300m	0	75	3	G03302	TO86
7	74LS33DC	3		MON	2.0%	80*	TTL	2	22D	0.0	5.0	22nΔ			69m%	300m*	0	70	4	G03287	TO116
8#	5402-1.6A	3		MON	2.0%	80*	TTL	2	10	0.0	5.0	40n%			40mΔ		-55	125	4	G03233a	M157
9	5423DM	3		MON	2.0%	80*	TTL	8Δ		0.0	5.0	22nΔ			95mΔ		-55	125	2	G03257a	M561
10#	7402-9.6A	3		MON	2.0%	80*	TTL	2	10	0.0	5.0	40n%			40mΔ		0	70	4	G03233a	M157
11#	7402PCΔ	3		MON	2.0%	80*	TTL	2	10	0.0	5.0	22nΔ			40mΔ		0	70	4	G03287	M665
12	7423DC	3		MON	2.0%	80*	TTL	8Δ		0.0	5.0	22nΔ			95mΔ		0	70	2	G03257a	M561
13	7423FC	3		MON	2.0%	80*	TTL	8Δ		0.0	5.0	22nΔ			100m		0	70	2	G03257a	FP103
14#	7423PCΔ	3		MON	2.0%	80*	TTL	8Δ	10	0.0	5.0	22nΔ			100mΔ		0	70	2	G03257a	M562
15	7425FC	3		MON	2.0%	80*	TTL	8Δ		0.0	5.0	22nΔ			100mΔ		0	70	2	G03257	FP21h
16#	7425PCΔ	3		MON	2.0%	80*	TTL	2	10	0.0	5.0	22nΔ			56mΔ	400m	0	70	2	G03257a	M665
17#	7427PCΔ	3		MON	2.0%	80*	TTL	10	10	0.0	5.0	15nΔ			56mΔ	400m	0	70	3	G03258	M665
18#	FJH221	3		MON	2.0%	80*	TTL	2	10	0.0	5.0	13n			56mΔ	400m	0	70	4	G03173	TO116
19#	GFB7402	3		MON	2.0%	80*	TTL	2	10	0.0	5.0	13n			56mΔ	400m	0	70	4	G03173	TO116
20	ITT74LS02	3		MON	2.0%	80*	TTL	2		0.0	5.0	15nΔ			27m		0	70	4	G03287	MZ
21	ITT74LS27	3		MON	2.0%	80*	TTL	3		0.0	5.0	15nΔ			34m		0	70	3	G03302	MZ
22	ITT5402J	3			2.0%	80*	TTL	2	10	0.0	5.0	22nΔ			40mΔ		-55	125	4	G03233a	M157
23	ITT7402J	3			2.0%	80*	TTL	2	10	0.0	5.0	22nΔ			40mΔ		0	70	4	G03233a	M157
24	JANM385 10/00403BDB	3																			
25	JANM385 10/00403CDB	3		MON	2.0%	80*	TTL	5	10	0.0	5.5	27nΔ			120m		-55	125	2	G03257	FP116
26#	MB746S28	3		MON	2.0%	80*	TTL	2	60	0.0	5.0	24nΔ			69m	1.0 *	-20	75	4	G03287	M157m
27#	MIC5402J	3		MON	2.0%	80*	TTL	2	10	0.0	5.0	22nΔ			55mΔ	500m	-55	125	4	G03233a	TO116
28#	MIC5425J	3		MON	2.0%	80*	TTL	5	10	0.0	5.0	10n%			45mΔ	1.0 Δ	-55	125	2	G03257	TO116
29#	MIC5428J	3		MON	2.0%	80*	TTL	2	30	0.0	5.0	15nΔ			100mΔ	500m	-55	125	4	G03233a	TO116
30#	MIC5433AJ	3		MON	2.0%	80*	TTL	2	30	0.0	5.0	23nΔ			100mΔ	400m*	-55	125	4	G03287	TO116
31#	MIC5433J	3		MON	2.0%	80*	TTL	2	30	0.0	5.0	23nΔ			100mΔ	400m*	-55	125	4	G03287	TO116
32#	MIC6402J	3		MON	2.0%	80*	TTL	2	10	0.0	5.0	22nΔ			55mΔ	500m	-40	85	4	G03233a	TO116
33#	MIC6425J	3		MON	2.0%	80*	TTL	5	10	0.0	5.0	11n%			105m	1.0 Δ	-40	85	2	G03257	TO116
34#	MIC6433AJ	3		MON	2.0%	80*	TTL	2	30	0.0	5.0	52nΔ			100mΔ	400m*	-40	85	4	G03228	TO116
35#	MIC6433J	3		MON	2.0%	80*	TTL	2	30	0.0	5.0	52nΔ			100mΔ	400m*	-40	85	4	G03228	TO116
36#	MIC7402J	3		MON	2.0%	80*	TTL	2	10	0.0	5.0	22nΔ			55mΔ	500m	0	75	4	G03233a	TO116
37#	MIC7402N	3		MON	2.0%	80*	TTL	2	10	0.0	5.0	22nΔ			55mΔ	500m	0	75	4	G03233a	M126x
38#	MIC7425J	3		MON	2.0%	80*	TTL	5	10	0.0	5.0	10n%			45mΔ	1.0 Δ	0	75	2	G03257	TO116
39#	MIC7425N	3		MON	2.0%	80*	TTL	5	10	0.0	5.0	10n%			45mΔ	1.0 Δ	0	75	2	G03257	M126x
40#	MIC7428J	3		MON	2.0%	80*	TTL	2	30	0.0	5.0	15nΔ			100mΔ	500m	0	75	4	G03233a	TO116
41#	MIC7428N	3		MON	2.0%	80*	TTL	2	30	0.0	5.0	15nΔ			100mΔ	500m	0	75	4	G03233a	M126x
42#	MIC7433AJ	3		MON	2.0%	80*	TTL	2	30	0.0	5.0	23nΔ			100mΔ	400m*	0	75	4	G03287	TO116
43#	MIC7433AN	3		MON	2.0%	80*	TTL	2	30	0.0	5.0	23nΔ			100mΔ	400m*	0	75	4	G03287	M126x
44#	MIC7433J	3		MON	2.0%	80*	TTL	2	30	0.0	5.0	23nΔ			100mΔ	400m*	0	75	4	G03287	TO116
45#	MIC7433N	3		MON	2.0%	80*	TTL	2	30	0.0	5.0	23nΔ			100mΔ	400m*	0	75	4	G03287	M126x
46	N74LS02A	3		MON	2.0%	80*	TTL	2	20	0.0	5.0	10n			2.7mΔ		0	70	4	G03287	M318
47	N74LS27A	3		MON	2.0%	80*	TTL	3†		0.0	5.0	10n			34m		0	70	3	G03295	M318
48	N74LS260A	3		MON	2.0%	80*	TTL	5	20	0.0	5.0	20nΔ			26mΔ		0	70	2	G03289	M318
49	N74S02A	3		MON	2.0%	80*	TTL	2	20	0.0	5.0	3.5n			29mΔ		0	70	4	G03289a	M318
50	N74S260A	3		MON	2.0%	80*	TTL	5	20	0.0	5.0	3.5n			46mΔ		0	70	2	G03289	M318
51	N7402A	3		MON	2.0%	80*	TTL	2	10	0.0	5.0	22nΔ			135mΔ	1.0 †	0	70	4	G03173a	M318
52	N7427A	3		MON	2.0%	80*	TTL	3	20	0.0	5.0	10n			80mΔ		0	70	3	G03258	M318
53	NC7402N	3		MON	2.0%	80*	TTL	2	10	0.0	5.0	22nΔ			40mΔ	1.0 Δ	0	70	4	G03173	M126
54	PD7402	3		MON	2.0%	80*	TTL	2	10	0.0	5.0	29nΔ			14mΔ	1.0 Δ	0	75	4	G03173	M105v
55	SS4LS260A	3		MON	2.0%	80*	TTL	5		0.0	5.0	20nΔ			26mΔ		-55	125	2	G03289	M318
56	SS4S02A	3		MON	2.0%	80*	TTL	2	20	0.0	5.0	3.5n			29mΔ		-55	125	4	G03289a	M318
57	SS4S260A	3		MON	2.0%	80*	TTL	5	20	0.0	5.0	3.5n			46mΔ		-55	125	2	G03289	M318
58	SS402A	3		MON	2.0%	80*	TTL	2	10	0.0	5.0	22nΔ			135mΔ	1.0 †	-55	125	4	G03173a	M318
59	SS427A	3		MON	2.0%	80*	TTL	3	20	0.0	5.0	10n			80mΔ		-55	125	3	G03258	M318
60	SN5402	3		MON	2.0%	80*	TTL	2	10	0.0	7.0	13n			14mΔ	1.0	-55	125	4	G03173	TO84
61	SN5402N	3		MON	2.0%	80*	TTL	2	10	0.0	5.0	22nΔ			56m	1.0 Δ	-55	125	4	G03233a	M126d
62	SN5423N	3		MON	2.0%	80*	TTL	8Δ		0.0	5.0	22n			105m		-55	125	2	G03257a	M117m
63	SN5425N	3		MON	2.0%	80*	TTL	8Δ		0.0	5.0	22n			105m		-55	125	2	G03257	M126e
64	SN5427N	3		MON	2.0%	80*	TTL	3	20	0.0	5.0	15nΔ			143m		-55	125	3	G03258	M126e
65	SN5428N	3		MON	2.0%	80*	TTL	2	60	0.0	5.0	18 Δ			112mΔ	1.0 Δ	-55	125	4	G03228	M126e
66	SN5433N	3		MON	2.0%	80*	TTL	2	30	0.0	5.0	24nΔ			112mΔ	1.0 Δ	-55	125	4	G03228	M126e
67#	SN6402N	3		MON	2.0%	80*	TTL	2	10	0.0	7.0	22n%			14mΔ	1.0	-40	85	4	G03173	M126
68	SN7402	3		MON	2.0%	80*	TTL	2	10	0.0	7.0	22n			14mΔ	1.0	0	70	4	G03173	TO84
69	SN7402W	3		MON	2.0%	80*	TTL	2	10	0.0	5.0	22n			14mΔ	1.0 Δ	0	70	4	G03173	TO84
70	SN7423W	3		MON	2.0%	80*	TTL	8Δ		0.0	5.0	22n			100m		0	70	2	G03257a	Δ004AG
71	SN7425W	3		MON	2.0%	80*	TTL	8Δ		0.0	5.0	22n			100mΔ		0	70	2	G03257	TO84
72	SN7428W	3		MON	2.0%	80*	TTL	2	30	0.0	5.0	18 Δ			112mΔ	1.0 Δ	0	70	4	G03228	Δ004AA
73	SN7433W	3		MON	2.0%	80*	TTL	2	30	0.0	5.0	24nΔ			112mΔ	1.0 Δ	0	70	4	G03228	Δ004AA
74	SN54128N	3		MON	2.0%	80*	TTL	2	30	0.0	5.0	18 Δ			112m						

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	RISE TIME tr (s)	FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					LEVEL	TYPE	IN	OUT MAX.	NEG. (V)	POS. (V)	LOW						HI	LOGIC DWG. No		OUTLINE DWG. No	
																					3
1	US7402J	3		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10n				0	70	4	G03233	TO88	
2	US7427A	3		MON	2.0%	.80*	TTL	3	10	0.0	5.0	10n				0	70	3	G03233b	M105b	
3	US7427J	3		MON	2.0%	.80*	TTL	3	10	0.0	5.0	10n				0	70	3	G03233c	TO88	
4	US7429A	3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10n				0	70	2	G03233d	M105b	
5	US7429J	3		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10n				0	70	2	G03233e	TO88	
6	USN7402A	3		MON	2.0%	.80*	TTL	2	10	0	7	29nΔ				0	70	4	G03173	TO116	
7	USN7402J	3		MON	2.0%	.80*	TTL	2	10	0	7	29nΔ				0	70	4	G03173	TO88	
8	USS5402A	3		MON	2.0%	.80*	TTL	2	10	0	7	29nΔ				-55	125	4	G03173	TO116	
9	USS5402J	3		MON	2.0%	.80*	TTL	2	10	0	7	29nΔ				-55	125	4	G03173	TO88	
10	GG957	3	20M	PCB	2.0%	.80*	TTL	2	10	0	5	13n				0	70	12		CBZ	
11	HEPC3002P-RT	3		MON	2.4%	.40*†	TTL	2	10	0.0	5.0	13n				0	75	4	G03242	TO116	
12	N82S42A	3		MON	2.6%	.40*†	TTL	2	40	0.0	10	9.0n				0	75	4	G03242	M318	
13	N8242A	3		MON	2.6%	.40*†	TTL	2	20	0.0	5.0	18n				0	70	4	G03242	M105q	
14	S82S42A	3		MON	2.6%	.40*†	TTL	2	40	0.0	10	9.0n				-55	125	4	G03242	M318	
15	S82S42F	3		MON	2.6%	.40*†	TTL	2	40	0.0	10	9.0n				-55	125	4	G03242	M257f	
16	S8242Q	3		MON	2.6%	.40*†	TTL	2	20	0.0	5.0	18n				-55	125	4	G03242	TO88	
17	54R02	3		MON	2.7%	.40	TTL	2	10	0.0	5.0	6.5n				-55	125				
18	74R02	3		MON	2.8%	.40	TTL	2	10	0.0	5.0	6.5n				0	75				
19	9020	3	5.0M	PCB	3.0%	0.0	TTL	16	6	0	5	20n	5.0n	5.0n	360m	900m	0	70	4	G03197	CB54
20	9045	3	5.0M	PCB	3.0%	0.0	TTL	4	6	0.0	5.0	17n	5.0n	5.0n	275m	900m	0	70	8	G03198	CB54
21	RG3412K	3		MON	3.0%	.45*†	TTL	2	11	0.0	5.0	9.5nΔ	3.0n	2.5n	120m†	1.1	0	75	4	G03259	FP21b
22	RG3410K	3		MON	3.1%	.40*†	TTL	2	11	0.0	5.0	9.5nΔ	3.0n	2.5n	120m†	1.1	-55	125	4	G03259	FP21b
23	RG340D	3	35M	MON	3.3%	.30%	TTL	2	11	0.0	5.0	6.0n	3.0n	2.5n	120m	1.1	-55	125	4	G03259	TO116
24	RG340K	3	35M	MON	3.3%	.30%	TTL	2	11	0.0	5.0	6.0n	3.0n	2.5n	120m	1.1	-55	125	4	G03259	FP21g
25	RG341D	3	35M	MON	3.3%	.30%	TTL	2	7	0.0	5.0	6.0n	3.0n	2.5n	120m	1.1	-55	125	4	G03259	TO116
26	RG341K	3	35M	MON	3.3%	.30%	TTL	2	7	0.0	5.0	6.0n	3.0n	2.5n	120m	1.1	-55	125	4	G03259	FP21g
27	RG342D	3	35M	MON	3.3%	.30%	TTL	2	9	0.0	5.0	6.0n	3.0n	2.5n	120m	1.1	0	75	4	G03259	TO116
28	RG342K	3	35M	MON	3.3%	.30%	TTL	2	9	0.0	5.0	6.0n	3.0n	2.5n	120m	1.0	0	75	4	G03259	FP21g
29	RG343D	3	35M	MON	3.3%	.30%	TTL	2	6	0.0	5.0	6.0n	3.0n	2.5n	120m	1.1	0	75	4	G03259	TO116
30	RG343K	3	35M	MON	3.3%	.30%	TTL	2	6	0.0	5.0	6.0n	3.0n	2.5n	120m	1.1	0	75	4	G03259	FP21g
31	SCL5101	3	1.0M	MOS	7.0%	3.0*	TTL	2	10	0.0	10	50n			100n%	4.0 Δ	-55	125	4	G03238	TO86
32	SCL5101D	3	1.0M	MOS	7.0%	3.0*	TTL	2	10	0.0	10	50n			100n%	4.0 Δ	-55	125	4	G03238	M170
33	SCL5103	3	1.0M	MOS	7.0%	3.0*	TTL	3	10	0.0	10	50n			100n%	4.0 Δ	-55	125	2	G03239	TO86
34	SCL5103D	3	1.0M	MOS	7.0%	3.0*	TTL	3	10	0.0	10	50n			100n%	4.0 Δ	-55	125	2	G03239	M170
35	SCL5105	3	1.0M	MOS	7.0%	3.0*	TTL	4	10	0.0	10	50n			100n%	4.0 Δ	-55	125	2	G03240	TO86
36	SCL5105D	3	1.0M	MOS	7.0%	3.0*	TTL	4	10	0.0	10	50n			100n%	4.0 Δ	-55	125	2	G03240	M170
37	TA5455	3		MOS	9.99	.011	TTL	2	50	15	15	50n%			4.0 Δ	-55	125	4	G03212	M135	
38	TA5456	3		MOS	9.99	.011	TTL	4	50	15	15	50n%			4.0 Δ	-55	125	2	G03212	M135	
39	CD4001E	3		MOS	10	0.0†	TTL	2	50	0.0	10	200n			10u	6.7	-40	80	4	G043g	Δ001AB
40	CD4002E	3		MOS	10	0.0†	TTL	4	50	0.0	10	200n			10u	6.7	-40	80	2	G043g	Δ001AB
41	M201	3	3.0M	PCB	10	0.0	TTL	2	50	0.0	10	65n			10u	6.7	-55	95	16		CBZ
42	M205	3	3.0M	PCB	10	0.0	TTL	4	50	0.0	10	80n			1.0u	4.5	-55	125	8	G03212a	FP44a
43	CD4001	3		MOS	10	.011*	TTL	2	50	0.0	10	80n			1.0u	4.5	-55	125			M135
44	CD4001D	3		MOS	10	.011*	TTL	2	50	0.0	10	80n			1.0u	4.5	-55	125			FP44a
45	CD4002	3		MOS	10	.011*	TTL	4	50	0.0	10	80n			1.0u	4.5	-55	125			FP44a
46	CD4002D	3		MOS	10	.011*	TTL	4	50	0.0	10	80n			1.0u	4.5	-55	125			FP44a
47	SCL4001D	3		MOS	10	.011*	TTL	2	50†	0.0	10	80n			1.0u	6.7	-55	125	4	G0366c	TO116
48	SCL4001F	3		MOS	10	.011*	TTL	2	50†	0.0	10	80n			1.0u	6.7	-55	125	4	G0366c	TO86
49	SCL4002D	3		MOS	10	.011*	TTL	4	50†	0.0	10	80n			1.0u	6.7	-55	125	2	G043aw	TO116
50	SCL4002F	3		MOS	10	.011*	TTL	4	50†	0.0	10	80n			1.0u	6.7	-55	125	2	G043aw	TO86
51	MEM1002	3	500k	MOS	-10%	-2.0*	TTL	3	30	3.0	100n			36m	1.0 *	-55	85	2	G03104	CN58	
52	TMC400-01	3	10M	TFH	6.0	0.0	RCT	4	6	3	6	10n			50m	1.0	-55	125	1	G0324	FP10
53#	SFC761E	3		MON			DTL	5Δ	15	0	15	120n			5.0	0	70	2		TO116	
54	564BE	3	4.0M	MON			TTL	7	9	0.0	4.0	60n			1.0m		-55	125	1		
55	564BH	3	4.0M	MON			TTL	7	9	0.0	4.0	60n			1.0m		-55	125	1		
56	M16701	3	4.0M	MON			TTL	7	9	0.0	4.0	60n			1.0m		-55	125	1		TO100
57	M46701	3	4.0M	MON			TTL	7	9	0.0	4.0	60n			1.0m		-55	125	1		FP26a
58#	T103D2-16	3		MON	1.7%	.90*	TTL	3	10	0.0	5.0	12nΔ			33m†	400m	-55	125	3	G03250b	M200
59#	T105D2-16	3		MON	1.7%	.90*	TTL	6Δ	10	0.0	5.0	15nΔ			22m†	400m	-55	125	2	G03248	M200
60#	T108D2-16	3		MON	1.7%	.90*	TTL	11Δ	10	0.0	5.0	15nΔ			11m†	400m	-55	125	1	G03249	M200
61#	T109D2-16	3		MON	1.7%	.90*	TTL	4	10	0.0	5.0	15nΔ			22m†	400m	-55	125	2	G03250	M200
62#	T115D2-16	3		MON	1.7%	.90*	TTL	4	10	0.0	5.0	14nΔ			22m†	400m	-55	125	2	G03248a	M200
63#	T1150	3		MON	1.7%	.95*	TTL	5Δ	10	0.0	7.0	10n			14mΔ	1.2 Δ	0	70	2	G03174	M126
64#	T1151	3		MON	1.7%	.95*	TTL	4	10	0.0	7.0	10n			14mΔ	1.2 Δ	0	70	2	G03174a	M126
65#	T1153	3		MON	1.7%	.95*	TTL	8	10	0.0	7.0	10n			14mΔ	1.2 Δ	0	70	2	G03175	M126
66#	T1154	3		MON	1.7%	.95															

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL	LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPAGA-TION DELAY (s)	MAX. RISE TIME		MAX. FALL TIME		TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
						LEVEL	TYPE	IN	OUT MAX.	NEG. (V)	POS. (V)	tr (s)		tf (s)	LOW °C	HI °C	LOGIC DWG. No			OUTLINE DWG. No				
																					3		4	2
	1#	5454-9-6A	3.1	MON	2.0%	.80*	TTL	8	10	0.0	5.0	18nΔ	22m	1.0 Δ	0	70	1	G03175	M157					
	2#	7450-9-6A	3.1	MON	2.0%	.80*	TTL	6†	10	0.0	5.0	20nΔ	20m	1.0 Δ	0	70	2	G03174	M157					
	3#	7451-9-6A	3.1	MON	2.0%	.80*	TTL	4	10	0.0	5.0	20nΔ	20m	1.0 Δ	0	70	2	G03174a	M157					
	4#	7453-9-6A	3.1	MON	2.0%	.80*	TTL	6Δ	10	0.0	5.0	22nΔ	10m†	1.0 Δ	0	70	1	G03175	M157					
	5#	7454-9-6A	3.1	MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ	10m†	1.0 Δ	0	70	1	G03175a	M157					
	6	NC450N	3.1	MON	2.0%	.80*	TTL	4	10	0.0	7.0	13nΔ	10m†	1.0	0	70	2	G03174	M126					
	7	NC450PM	3.1	MON	2.0%	.80*	TTL	5Δ	10	0.0	7.0	22nΔ	14m†	1.0	0	70	2	G03174	T084					
	8	NC453N	3.1	MON	2.0%	.80*	TTL	9Δ	10	0.0	7.0	22nΔ	14m†	1.0	0	70	2	G03175	M75a					
	9	PD7450	3.1	MON	2.0%	.80*	TTL	6†	10	0.0	5.0	29nΔ	14m†	1.0	0	75	2	G03174	M105v					
	10	PD7451	3.1	MON	2.0%	.80*	TTL	4	10	0.0	5.0	29nΔ	40m†	1.0 Δ	0	75	2	G03245	M105v					
	11	PD7453	3.1	MON	2.0%	.80*	TTL	9Δ	10	0.0	5.0	29nΔ	14m†	1.0	0	75	1	G03246	M105v					
	12	PD7454	3.1	MON	2.0%	.80*	TTL	8	10	0.0	5.0	29nΔ	14mΔ	1.0	0	75	1	G03247	M105v					
	13	SN54H50F	3.1	MON	2.0%	.80*	TTL	6†	10	0.0	7.0	10nΔ	1.0 Δ	1.0 Δ	-55	125	2	G03214	T084					
	14	SN54H51F	3.1	MON	2.0%	.80*	TTL	4	10	0	7	10nΔ	1.0 Δ	1.0 Δ	-55	125	2	G03214a	T084					
	15	SN54H53F	3.1	MON	2.0%	.80*	TTL	11†	10	0.0	7.0	10nΔ	1.0 Δ	1.0 Δ	-55	125	1	G03215	T084					
	16	SN54H54F	3.1	MON	2.0%	.80*	TTL	9	10	0	7	10nΔ	1.0 Δ	1.0 Δ	-55	125	1	G03215a	T084					
	17	SN54H55F	3.1	MON	2.0%	.80*	TTL	10†	10	0.0	7.0	10nΔ	1.0 Δ	1.0 Δ	-55	125	1	G03214b	T084					
	18	SN74H50F	3.1	MON	2.0%	.80*	TTL	6†	10	0.0	7.0	10nΔ	1.0 Δ	1.0 Δ	0	70	2	G03214	T084					
	19	SN74H51F	3.1	MON	2.0%	.80*	TTL	4	10	0	7	10nΔ	1.0 Δ	1.0 Δ	0	70	2	G03214a	T084					
	20	SN74H53F	3.1	MON	2.0%	.80*	TTL	11†	10	0.0	7.0	10nΔ	1.0 Δ	1.0 Δ	0	70	1	G03215	T084					
	21	SN74H53W	3.1	MON	2.0%	.80*	TTL	11†	10	0.0	5.0	10nΔ	40m†	1.0 Δ	0	70	1	G03215	T084					
	22	SN74H54F	3.1	MON	2.0%	.80*	TTL	9	10	0	7	10nΔ	1.0 Δ	1.0 Δ	0	70	1	G03215a	T084					
	23	SN74H55F	3.1	MON	2.0%	.80*	TTL	10†	10	0.0	7.0	10nΔ	1.0 Δ	1.0 Δ	0	70	1	G03214b	T084					
	24	SN5450	3.1	MON	2.0%	.80*	TTL	5Δ	10	0	7	22nΔ	60m†	1.0	-55	125	2	G03174	T084					
	25	SN5451	3.1	MON	2.0%	.80*	TTL	4	10	0	7	22nΔ	60m†	1.0	-55	125	2	G03174a	T084					
	26	SN5453	3.1	MON	2.0%	.80*	TTL	9Δ	10	0.0	7.0	22nΔ	14mΔ	1.0	-55	125	1	G03175	T084					
	27	SN7450	3.1	MON	2.0%	.80*	TTL	5Δ	10	0.0	7.0	22nΔ	14mΔ	1.0	0	70	2	G03174	T084					
	28	SN7450W	3.1	MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	22nΔ	40m†	1.0 Δ	0	70	2	G03174	T084					
	29	SN7451W	3.1	MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ	40m†	1.0 Δ	0	70	2	G03174a	T084					
	30	SN7453W	3.1	MON	2.0%	.80*	TTL	6Δ	10	0.0	5.0	22nΔ	10m†	1.0 Δ	0	70	1	G03175	T084					
	31	SN7454W	3.1	MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ	10m†	1.0 Δ	0	70	1	G03175a	T084					
	32	SW5450H	3.1	MON	2.0%	.80*	TTL	5Δ	10	0.0	5.5	22nΔ	60m†	1.0	-55	125	2	G03174	FPZ					
	33	SW5451H	3.1	MON	2.0%	.80*	TTL	4	10	0.0	5.5	22nΔ	60m†	1.0	-55	125	2	G03174a	FPZ					
	34	SW5453H	3.1	MON	2.0%	.80*	TTL	9Δ	10	0.0	5.5	22nΔ	14mΔ	1.0	-55	125	1	G03175	FPZ					
	35	SW5454H	3.1	MON	2.0%	.80*	TTL	8	10	0.0	5.5	22nΔ	14mΔ	1.0	-55	125	1	G03175a	FPZ					
	36	SW7450H	3.1	MON	2.0%	.80*	TTL	5Δ	10	0.0	5.25	22nΔ	60m†	1.0	0	70	2	G03174	FPZ					
	37	SW7451H	3.1	MON	2.0%	.80*	TTL	4	10	0.0	5.25	22nΔ	60m†	1.0	0	70	2	G03174a	FPZ					
	38	SW7453H	3.1	MON	2.0%	.80*	TTL	9Δ	10	0.0	5.25	22nΔ	14mΔ	1.0	0	70	1	G03175	FPZ					
	39	SW7454H	3.1	MON	2.0%	.80*	TTL	8	10	0.0	5.25	22nΔ	14mΔ	1.0	0	70	1	G03175a	FPZ					
	40	TG7450E	3.1	MON	2.0%	.80*	TTL	4	10	0.0	7.0	13nΔ	14mΔ	1.0	0	70	2	G03174	TO116					
	41	TG7451E	3.1	MON	2.0%	.80*	TTL	4	10	0.0	7.0	22nΔ	14mΔ	1.0	0	70	2	G03174a	TO116					
	42	TG7453E	3.1	MON	2.0%	.80*	TTL	9Δ	10	0.0	7.0	22nΔ	14mΔ	1.0	0	70	1	G03175	TO116					
	43	TG7454E	3.1	MON	2.0%	.80*	TTL	8	10	0.0	7.0	22nΔ	14mΔ	1.0	0	70	1	G03175a	TO116					
	44	US5455A	3.1	MON	2.0%	.80*	TTL	10Δ	10	0.0	7.0	10nΔ	1.0 Δ	1.0 Δ	-55	125	1	G03214b	M105b					
	45	US5455J	3.1	MON	2.0%	.80*	TTL	10Δ	10	0.0	7.0	10nΔ	1.0 Δ	1.0 Δ	-55	125	1	G03214b	T088					
	46	US7455A	3.1	MON	2.0%	.80*	TTL	10Δ	10	0.0	7.0	10nΔ	1.0 Δ	1.0 Δ	0	70	1	G03214b	M105b					
	47	US7455J	3.1	MON	2.0%	.80*	TTL	10Δ	10	0.0	7.0	10nΔ	1.0 Δ	1.0 Δ	0	70	1	G03214b	T088					
	48	USN7450A	3.1	MON	2.0%	.80*	TTL	5†	10	0.0	7.0	29nΔ	20m	1.0 Δ	0	70	2	G03174	TO116					
	49	USN7450J	3.1	MON	2.0%	.80*	TTL	5†	10	0.0	7.0	29nΔ	20m	1.0 Δ	0	70	2	G03174a	TO116					
	50	USN7451A	3.1	MON	2.0%	.80*	TTL	4	10	0	7	29nΔ	20m	1.0 Δ	0	70	2	G03174a	TO116					
	51	USN7451J	3.1	MON	2.0%	.80*	TTL	4	10	0	7	29nΔ	20m	1.0 Δ	0	70	2	G03174a	TO116					
	52	USN7453A	3.1	MON	2.0%	.80*	TTL	9Δ	10	0	7	29nΔ	10m	1.0 Δ	0	70	1	G03175	TO116					
	53	USN7453J	3.1	MON	2.0%	.80*	TTL	9Δ	10	0	7	29nΔ	10m	1.0 Δ	0	70	1	G03175	TO116					
	54	USN7454A	3.1	MON	2.0%	.80*	TTL	8	10	0	7	29nΔ	10m	1.0 Δ	0	70	1	G03175a	TO116					
	55	USN7454J	3.1	MON	2.0%	.80*	TTL	8	10	0	7	29nΔ	10m	1.0 Δ	0	70	1	G03175a	TO116					
	56	USS5450A	3.1	MON	2.0%	.80*	TTL	5†	10	0.0	7.0	29nΔ	20m	1.0 Δ	-55	125	2	G03174	TO116					
	57	USS5450J	3.1	MON	2.0%	.80*	TTL	5†	10	0.0	7.0	29nΔ	20m	1.0 Δ	-55	125	2	G03174	TO116					
	58	USS5451A	3.1	MON	2.0%	.80*	TTL	4	10	0	7	29nΔ	20m	1.0 Δ	-55	125	2	G03174a	TO116					
	59	USS5451J	3.1	MON	2.0%	.80*	TTL	4	10	0	7	29nΔ	20m	1.0 Δ	-55	125	2	G03174a	TO116					
	60	USS5453A	3.1	MON	2.0%	.80*	TTL	9Δ	10	0	7	29nΔ	10m	1.0 Δ	-55	125	1	G03175	TO116					
	61	USS5453J	3.1	MON	2.0%	.80*	TTL	9Δ	10	0	7	29nΔ	10m	1.0 Δ	-55	125	1	G03175	TO116					
	62	USS5454A	3.1	MON	2.0%	.80*	TTL	8	10	0	7	29nΔ	10m	1.0 Δ	-55	125	1	G03175a	TO116					
	63	USS5454J	3.1	MON	2.0%	.80*	TTL	8	10	0	7	29nΔ	10m	1.0 Δ	-55	125	1	G03175a	TO116					
	64	WC7450D	3.1	MON	2.0%	.80*	TTL	4	10	0.0	7.0	13nΔ	14mΔ	1.0	0	75	2	G03174	M126b					
	65	WC7451D	3.1	MON	2.0%	.80*	TTL	4	10	0.0	7.0	22nΔ	14mΔ	1.0	0	75	2	G03174a	M126b					
	66	WC7453D	3.1	MON	2.0%	.80*	TTL	9Δ	10	0.0	7.0	22nΔ	14mΔ	1.0	0	75	2	G03175	M126b					
	67	HD154H51R	3.1	MON	2.4%	.40*	TTL	4	10	0.0	8.0	10n	120m	1.2 Δ	-55	125	2	G03214a	T086					
	68	HD154H54R	3.1	MON	2.4%	.40*	TTL	9	10	0.0	8.0	10n	70m	1.2 Δ	-55	125	1	G03215a	T086					
	69	RD154H51R	3.1	MON	2.4%	.40*	TTL	4	10	0.0	8.0	10n	120m	1.2 Δ	-55	125	2	G03214a	T086					
	70	RD154H54R	3.1	MON	2.4%	.40*	TTL	9	10	0.0	8.0	10n	70m	1.2 Δ	-55	125	1	G03215a	T086					
	71	SN54966	3.1	MON	2.4	.40	TTL	4	10	0	5	13n	400m	1.0	-55	125	2	G03177	ZB6					
	72	SN74966	3.1	MON	2.4	.40	TTL	4	10	0	5	13n	400m	1.0	0	70	2	G03177	ZB6					
	73	NE8840A	3.1	MON	2.8%	.40*	TTL	5†	10	0.0	6.0	25nΔ	50n	63m	600m	0	75	2	G03218	TO116				
	74	NE8840J	3.1	MON	2.8%	.40*	TTL	5†	10	0.0	6.0	25nΔ	50n	63m	600m	0	75	2	G03218	TO116				
	75	SE8840A	3.1	MON	2.8%	.40*	TTL	5†	10	0.0	6.0	25nΔ	50n	63m	600m	-55	125	2	G03218a	TO116				
	76	SE8840J	3.1	MON	2.8%	.40*	TTL	5†	1															

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	6	TYPE No.	1	TYPE OF GATE	5	MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX.		MAX. PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
								3	LEVEL	TYPE	IN	OUT MAX.	NEG. (V)	POS. (V)		RISE TIME tr (s)	FALL TIME tf (s)			LOW	HI		LOGIC DWG. No	OUTLINE DWG. No
1		PL9628-71	3.1				MON	3.5	.25	TTL	9Δ	6	0	5	6.0n	3.0n	4.5n	40m	1.0	-55	125	1	G03189a	TO86
2		PL9628-79	3.1				MON	3.5	.25	TTL	9Δ	5	0	5	6.0n	3.0n	4.5n	40m	1.0	0	75	1	G03189a	TO86
3		PL9630-61	3.1				MON	3.5	.25	TTL	10Δ	11	0	5	6.0n	3.0n	4.5n	140m	1.0	-55	125	1	G03204	TO86
4		PL9630-69	3.1				MON	3.5	.25	TTL	10Δ	9	0	5	6.0n	3.0n	4.5n	140m	1.0	0	75	1	G03204	TO86
5		PL9630-71	3.1				MON	3.5	.25	TTL	10Δ	6	0	5	6.0n	3.0n	4.5n	140m	1.0	-55	125	1	G03204	TO86
6		PL9630-79	3.1				MON	3.5	.25	TTL	10Δ	5	0	5	6.0n	3.0n	4.5n	140m	1.0	0	75	1	G03204	TO86
7		PL9632-61	3.1				MON	3.5	.25	TTL	5†	11	0.0	5.0	6.0n	3.0n	4.5n	160m	1.0	-55	125	2	G03189c	TO116
8		PL9632-69	3.1				MON	3.5	.25	TTL	5†	9	0.0	5.0	6.0n	3.0n	4.5n	160m	1.0	0	75	2	G03189c	TO116
9		PL9632-71	3.1				MON	3.5	.25	TTL	5†	6	0.0	5.0	6.0n	3.0n	4.5n	160m	1.0	-55	125	2	G03189c	TO116
10		PL9632-79	3.1				MON	3.5	.25	TTL	5†	5	0.0	5.0	6.0n	3.0n	4.5n	160m	1.0	0	75	2	G03189c	TO116
11		PL9637-61	3.1				MON	3.5	.25	TTL	10Δ	11	0	5.0	6.0n	3.0n	4.5n	32m	1.0	-55	125	1	G03217	TO86
12		PL9637-69	3.1				MON	3.5	.25	TTL	10Δ	9	0	5.0	6.0n	3.0n	4.5n	32m	1.0	0	75	1	G03217	TO86
13		PL9637-71	3.1				MON	3.5	.25	TTL	10Δ	6	0	5.0	6.0n	3.0n	4.5n	32m	1.0	-55	125	1	G03217	TO86
14		PL9637-79	3.1				MON	3.5	.25	TTL	10Δ	5	0	5.0	6.0n	3.0n	4.5n	32m	1.0	0	75	1	G03217	TO86
15		SWG50	3.1			20M%	MON	3.5	.26	TTL	11Δ	15	0.0	6.0	14n	5.0n	8.0n	20m	1.0	-55	125	1	G03150	CN3a
16		SWG51	3.1			20M%	MON	3.5	.26	TTL	11Δ	7	0.0	6.0	14n	5.0n	8.0n	20m	1.0	-55	125	1	G03150	CN3a
17		SWG52	3.1			20M%	MON	3.5	.26	TTL	11Δ	12	0.0	6.0	14n	5.0n	8.0n	20m	1.0	0	75	1	G03150	CN3a
18		SWG53	3.1			20M%	MON	3.5	.26	TTL	11Δ	6	0.0	6.0	14n	5.0n	8.0n	20m	1.0	0	75	1	G03150	CN3a
19		SWG100	3.1			20M%	MON	3.5	.26	TTL	11Δ	15	0.0	6.0	15n	5.0n	8.0n	25m	1.0	-55	125	1	G03128	CN3a
20		SWG101	3.1			20M%	MON	3.5	.26	TTL	11Δ	7	0.0	6.0	15n	5.0n	8.0n	25m	1.0	-55	125	1	G03128	CN3a
21		SWG102	3.1			20M%	MON	3.5	.26	TTL	11Δ	12	0.0	6.0	15n	5.0n	8.0n	25m	1.0	0	75	1	G03128	CN3a
22		SWG103	3.1			20M%	MON	3.5	.26	TTL	10Δ	6	0.0	6.0	15n	5.0n	8.0n	25m	1.0	0	75	1	G03128	CN3a
23		SWG110	3.1			20M%	MON	3.5	.26	TTL	10Δ	15	0.0	6.0	13n	6.0n	8.0n	20m	1.0	-55	125	1	G03129	CN3a
24		SWG111	3.1			20M%	MON	3.5	.26	TTL	10Δ	7	0.0	6.0	13n	6.0n	8.0n	20m	1.0	-55	125	1	G03129	CN3a
25		SWG112	3.1			20M%	MON	3.5	.26	TTL	10Δ	12	0.0	6.0	13n	6.0n	8.0n	20m	1.0	0	75	1	G03129	CN3a
26		SWG113	3.1			20M%	MON	3.5	.26	TTL	10Δ	6	0.0	6.0	13n	6.0n	8.0n	20m	1.0	0	75	1	G03129	CN3a
27		NE8440A	3.1				MON	3.6%	.35*†	TTL	4	4	0	6.0	60n	75n	52m	1.4	0	75	2	G03216	TO116	
28		NE8440J	3.1				MON	3.6%	.35*†	TTL	4	4	0	6.0	60n	75n	52m	1.4	0	75	2	G03216a	TO88	
29		SE8440A	3.1				MON	3.6%	.35*†	TTL	4	4	0	6.0	60n	75n	52m	1.4	-55	125	2	G03216	TO116	
30		SE8440J	3.1				MON	3.6%	.35*†	TTL	4	4	0	6.0	60n	75n	52m	1.4	-55	125	2	G03216a	TO88	
31		IT10	3.1E			10M	PCB	4.0	0.0	DTL	6	0	0	8	12n	5.0n	8.0n	940m	1.0	5	71	8	G03152	CB37
32		TG455	3.1M			20M	MON	3.5	.25	TTL	9Δ	15†	0	6	12n	5.0n	8.0n	80m	1.0	-55	125	1	G03107e	ZB159
33		TG456	3.1M			20M	MON	3.5	.25	TTL	9Δ	15†	0	6	12n	5.0n	8.0n	80m	1.0	0	75	1	G03107f	ZB159
34		TG457	3.1M			20M	MON	3.5	.25	TTL	9Δ	7†	0	6	12n	5.0n	8.0n	80m	1.0	-55	125	1	G03107f	ZB159
35		TG458	3.1M			20M	MON	3.5	.25	TTL	9Δ	7†	0	6	12n	5.0n	8.0n	80m	1.0	0	75	1	G03107f	ZB159
36		TNG4441	3.1M			20M	MON	3.5	.25	TTL	10Δ	10†	0	6	12n	5.0n	8.0n	80m	1.0	-55	125	1	G03107e	ZB158
37		TNG4442	3.1M			20M	MON	3.5	.25	TTL	10Δ	10†	0	6	12n	5.0n	8.0n	80m	1.0	0	75	1	G03107e	ZB158
38		TNG4443	3.1M			20M	MON	3.5	.25	TTL	10Δ	5†	0	6	12n	5.0n	8.0n	80m	1.0	-55	125	1	G03107e	ZB158
39		TNG4444	3.1M			20M	MON	3.5	.25	TTL	10Δ	5†	0.0	6.0	12n	5.0n	8.0n	80m	1.0	0	75	1	G03107e	ZB158
40		TNG4411	3.1M			40M	MON	3.5	.25	TTL	8	14†	0	6	11n	5.0n	8.0n	80m	1.0	-55	125	4	G03107e	ZB158
41		TNG4412	3.1M			40M	MON	3.5	.25	TTL	8	7†	0	6	11n	5.0n	8.0n	80m	1.0	0	75	4	G03107e	ZB158
42		TNG4413	3.1M			40M	MON	3.5	.25	TTL	8	14†	0	6	11n	5.0n	8.0n	80m	1.0	-55	125	4	G03107e	ZB158
43		TNG4414	3.1M			40M	MON	3.5	.25	TTL	8	7†	0	6	11n	5.0n	8.0n	80m	1.0	0	75	4	G03107e	ZB158
44#		MP105BF	3.2			1.0MΔ	MOS	-1.1%	-4.0*	RTL	6	1	24	0.0	90n	24m†	24m†	24m†	1.0	-55	125	1	G03235	FP2
45#		MP105BT	3.2			1.0MΔ	MOS	-1.1%	-4.0*	RTL	6	1	24	0.0	90n	24m†	24m†	24m†	1.0	-55	125	1	G03235	CN58a
46		A3102	3.4				MOS	-1.0	-1.0		3	3	27	0.0	75n	300n	25n	200m	1.0	-55	85	1	G03191	TO100
47#		M001T1	3.4				MOS	-9.0%	-3.0*	CMS	5	5	27	0.0	0	0	20m†	20m†	0	70	1	G03298	TO73	
48		2001BE	3.4				MOH	2.1%	1.1*	TTL	5	12	5	0	5	150m	150m	150m	1.0	-55	125	1	G03201	CN11
49		CD2101	3.4M				MON	.75	-1.6†	ECT	2	12	5.7	0	24n	156m	320mΔ	156m	1.0	-55	125	4	G03232	FP44
50#		FHY101	3.6				MON	1.9%	.80*	TTL	10	1	0	5	8n	28m	1.0	0	75	1	G06109	TO116		
51#		FHY121	3.6				MON	1.9%	.80*	TTL	10	1	0	5	2n	28m	1.0	0	75	2	G06111	TO116		
52		PL9604	3.6M				MON	.82%	.49†	RTL	3	4	0	3	15nΔ	15m†	15m†	15m†	1.0	-55	125	2	G0365b	TO91
53		US0114A	3AM				MON	2.0%	.301*	RCT	4	5	0.0	8.0	80n	1.5u	7.0m	7.0m	1.0	-55	125	3	G04193f	FP22
54		US0114B	3AM				MON	2.0%	.301*	RCT	4	5	0.0	8.0	80n	1.5u	7.0m	7.0m	1.0	-55	125	3	G04193f	FP23
55		USR0114A	3AM				MON	2.0%	.301*	RCT	4	5	0.0	8.0	80n	1.5u	7.0m	7.0m	1.0	-55	125	3	G0343c	FP22
56		USR0114B	3AM				MON	2.0%	.301*	RCT	4	5	0.0	8.0	80n	1.5u	7.0m	7.0m	1.0	-55	125	3	G0343c	FP23
57		PL4G10ACF	3C			2.0M	MOS	-.9%	-.3*		2†	25	0	125nΔ	300m	300m	300m	1.0	0	70	8		FP48	
58		PL4G10ACP	3C			2.0M	MOS	-.9%	-.3*		2†	25	0	125nΔ	300m	300m	300m	1.0	0	70	8		M149	
59		PL4G10CF	3C			2.0M	MOS	-.9%	-.3*		2†	25	0	300nΔ	300m	300m	300m	1.0	0	70	8		FP48	
60		PL4G10CP	3C			2.0M	MOS	-.9%	-.3*		2†	25	0	300nΔ	300m	300m	300m	1.0	0	70	8		M149	
61		CD4000BK	3C				MOS	9.95%	.05*†	CMS	3	3	0.0	10	120nΔ	5.0u	2.0	5.0u	1.0	-55	125	2	G03296	Δ004AF
62		CD4000UBK	3C				MOS	9.95%	.05*†	CMS	3	3	0.0	10	60nΔ	5.0u	2.0	5.0u	1.0	-55	125	2	G03296	Δ004AF
63		SCL4000BD	3C				MOS	9.95%	.05*†	CMS	3	50	0.0	10	120nΔ	1.0u	3.0	1.0u	1.0	-55	125	2	G03296	M2571
64		SCL4000BF	3C				MOS	9.95%	.05*†	CMS	3	50	0.0	10	120nΔ	1.0u	3.0	1.0u	1.0	-55	125	2	G03296	Δ004AF
65		TA5361	3C				MOS	9.99	.01†	DTL	3													

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL	LINE No.	TYPE No.	TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN OUT		POWER SUPPLY SPAN		PROPA-GATION DELAY (s)	MAX.		TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT MOD	DRAWINGS	
						LEVEL	TYPE	IN	OUT MAX.	NEG. (V)	POS. (V)	RISE TIME tr (s)		FALL TIME tf (s)	LOW °C			HI °C	LOGIC DWG. No		OUTLINE DWG. No Δ=MO	
																						3
	1	TG303J	3FM	20M	MON	3.0	.30	TTL	10Δ	7	0.0	5.0	10n	5.0n	5.0n	45m	1.0 Δ	0	75	1	G03107d	TO116
	2	TNG3211	3FM	20M	MON	3.0	.30	TTL	8	20	0	5	12n			20m	1.0 Δ	-55	125	1	G03107	TO116
	3	TNG3211F	3FM	20M	MON	3.0	.30	TTL	8	20	0	5	12n			20m	1.0 Δ	-55	125	1	G03107	FP21c
	4	TNG3212	3FM	20M	MON	3.0	.30	TTL	8	20	0	5	12n			20m	1.0 Δ	0	75	1	G03107	TO116
	5	TNG3212F	3FM	20M	MON	3.0	.30	TTL	8	20	0	5	12n			20m	1.0 Δ	0	75	1	G03107	FP21c
	6	TNG3213	3FM	20M	MON	3.0	.30	TTL	8	7	0	5	12n			20m	1.0 Δ	-55	125	1	G03107	TO116
	7	TNG3213F	3FM	20M	MON	3.0	.30	TTL	8	7	0	5	12n			20m	1.0 Δ	-55	125	1	G03107	FP21c
	8	TNG3214	3FM	20M	MON	3.0	.30	TTL	8	7	0	5	12n			20m	1.0 Δ	0	75	1	G03107	TO116
	9	TNG3214F	3FM	20M	MON	3.0	.30	TTL	8	7	0	5	12n			20m	1.0 Δ	0	75	1	G03107	FP21c
	10	TNG3251F	3FM	20M	MON	3.0	.30	TTL	9Δ	15	0	5	18n	5.0n	5.0n	30m	1.0 Δ	-55	125	1	G03107b	TO85
	11	TNG3252F	3FM	20M	MON	3.0	.30	TTL	9Δ	15	0	5	18n	5.0n	5.0n	30m	1.0 Δ	0	75	1	G03107b	TO85
	12	TNG3253F	3FM	20M	MON	3.0	.30	TTL	9Δ	7	0	5	18n	5.0n	5.0n	30m	1.0 Δ	-55	125	1	G03107b	TO85
	13	TNG3254F	3FM	20M	MON	3.0	.30	TTL	9Δ	7	0	5	18n	5.0n	5.0n	30m	1.0 Δ	0	75	1	G03107b	TO85
	14	TNG4211F	3FM	20M	MON	3.0	.30	TTL	5	15	0	5	18n	5.0n	5.0n	60m	1.0 Δ	-55	125	2	G03107c	TO85
	15	TNG4212F	3FM	20M	MON	3.0	.30	TTL	5	15	0	5	18n	5.0n	5.0n	60m	1.0 Δ	0	75	2	G03107c	TO85
	16	TNG4213F	3FM	20M	MON	3.0	.30	TTL	5	7	0	5	18n	5.0n	5.0n	60m	1.0 Δ	-55	125	2	G03107c	TO85
	17	TNG4214F	3FM	20M	MON	3.0	.30	TTL	5	7	0	5	18n	5.0n	5.0n	60m	1.0 Δ	0	75	2	G03107c	TO85
	18	NE200	3G	2.0M	PCB	10	.40	DTL	5†	2	6.0	12	30n	200n	150n	1.6	3.0	-55	100	6	G0369	CB15
	19	SN17911	3G		MON	.81*Δ	.20*	RTL	4	7	0.0	5.0		140n	25m			-55	125	1	G03154	
	20	MIC330-1A	3M					CTL	3	10	0.0	4.0	15n			20m	200m	-55	125	2		TO89
	21	MIC330-1B	3M					CTL	3	10	0.0	4.0	15n			20m	200m	-55	125	2		TO86
	22	MIC330-1C	3M					CTL	3	10	0.0	4.0	15n			20m	200m	-55	125	2		CN17
	23	MIC330-2A	3M					CTL	3	10	0.0	4.0	15n			20m	200m	0	100	2		TO89
	24	MIC330-2B	3M					CTL	3	10	0.0	4.0	15n			20m	200m	0	100	2		TO86
	25	MIC330-2C	3M					CTL	3	10	0.0	4.0	15n			20m	200m	0	100	2		CN17
	26	MIC330-3A	3M					CTL	3	10	0.0	4.0	15n			20m	200m	15	55	2		TO89
	27	MIC330-3B	3M					CTL	3	10	0.0	4.0	15n			20m	200m	15	55	2		TO86
	28	MIC330-3C	3M					CTL	3	10	0.0	4.0	15n			20m	200m	15	55	2		CN17
	29	MIC331-1A	3M					CTL	2	10	0.0	4.0	15n			30m	200m	-55	125	3		TO89
	30	MIC331-1B	3M					CTL	2	10	0.0	4.0	15n			30m	200m	-55	125	3		TO86
	31	MIC331-1C	3M					CTL	2	10	0.0	4.0	15n			30m	200m	-55	125	3		CN17
	32	MIC331-2A	3M					CTL	2	10	0.0	4.0	15n			30m	200m	0	100	3		TO89
	33	MIC331-2B	3M					CTL	2	10	0.0	4.0	15n			30m	200m	0	100	3		TO86
	34	MIC331-2C	3M					CTL	2	10	0.0	4.0	15n			30m	200m	0	100	3		CN17
	35	MIC331-3A	3M					CTL	2	10	0.0	4.0	15n			30m	200m	15	55	3		TO89
	36	MIC331-3B	3M					CTL	2	10	0.0	4.0	15n			30m	200m	15	55	3		TO86
	37	MIC331-3C	3M					CTL	2	10	0.0	4.0	15n			30m	200m	15	55	3		CN17
	38	MIC360-1A	3M					CTL	2	10	0.0	4.0	15n			40m	200m	-55	125	4		TO89
	39	MIC360-1B	3M					CTL	2	10	0.0	4.0	15n			40m	200m	-55	125	4		TO86
	40	MIC360-1C	3M					CTL	2	10	0.0	4.0	15n			40m	200m	-55	125	4		CN17
	41	MIC360-2A	3M					CTL	2	10	0.0	4.0	15n			40m	200m	0	100	4		TO89
	42	MIC360-2B	3M					CTL	2	10	0.0	4.0	15n			40m	200m	0	100	4		TO86
	43	MIC360-2C	3M					CTL	2	10	0.0	4.0	15n			40m	200m	0	100	4		CN17
	44	MIC360-3A	3M					CTL	2	10	0.0	4.0	15n			40m	200m	15	55	4		TO89
	45	MIC360-3B	3M					CTL	2	10	0.0	4.0	15n			40m	200m	15	55	4		TO86
	46	MIC360-3C	3M					CTL	2	10	0.0	4.0	15n			40m	200m	15	55	4		CN17
	47	4113Δ	3M	1.0M	PCB	0.0	-3.0	DTL	2	9	15	10		130n	70n	1.3	500m	-20	55	6		CB□
	48	4115	3M	1.0M	PCB	0.0	-3.0	DTL	4†	9	15	10		130n	70n	1.0	500m	-20	55	4		CB□
	49	4117	3M	1.0M	PCB	0.0	-3.0	DTL	5	9	15	10		130n	70n	830m	500m	-20	55	3	G0340	CB□
	50	4119	3M	1.0M	PCB	0.0	-3.0	DTL	8	9	15	10		130n	70n	680m	500m	-20	55	2	G0342	CB□
	51	1111	3M	5.0M	PCB	0.0	-3.0	DTL	6	9	15	10	30n	90n	50n	679m	500m	-20	55	2	G0338	CB□
	52	1113	3M	5.0M	PCB	0.0	-3.0	DTL	2	9	15	10	30n	90n	50n	1.3	500m	-20	55	6	G0339	CB□
	53	1115	3M	5.0M	PCB	0.0	-3.0	DTL	4†	9	15	10	30n	90n	50n	1.0	500m	-20	55	4	G0340	CB□
	54	1117	3M	5.0M	PCB	0.0	-3.0	DTL	5	9	15	10	30n	90n	50n	830m	500m	-20	55	3	G0341	CB□
	55	6111	3M	10M	PCB	0.0	-3.0	DTL	6	9	15	10	20n	60n	50n	680m	500m	-20	55	2	G0338	CB□
	56	6113	3M	10M	PCB	0.0	-3.0	DTL	2	9	15	10	20n	60n	50n	528m	500m	-20	55	6	G0339	CB□
	57	6115	3M	10M	PCB	0.0	-3.0	DTL	4†	9	15	10	20n	60n	50n	1.0	500m	-20	55	4	G0340	CB□
	58	6117	3M	10M	PCB	0.0	-3.0	DTL	5	9	15	10	20n	60n	50n	830m	500m	-20	55	3	G0341	CB□
	59	6119	3M	10M	PCB	0.0	-3.0	DTL	8	9	15	10	20n	60n	50n	528m	500m	-20	55	2	G0342	CB□
	60#	ZSS111A	3M		MON	20	4.0	DTL	5Δ	8	0.0	5.0	15n			19m	1.0	-55	125	1	G03121b	CN2
	61#	ZSS111B	3M		MON	20	4.0	DTL	5Δ	8	0.0	5.0	15n			19m	1.0	-55	125	1	G03121c	CN2
	62#	ZSS113A	3M		MON	20	4.0	DTL	2	8	0.0	5.0	15n			19m	1.0	-55	125	2	G03121	CN2
	63#	ZSS113B	3M		MON	20	4.0	DTL	2	8	0.0	5.0	15n			19m	1.0	-55	125	2	G03121a	CN2
	64#	ZSS115A	3M		MON	20	4.0	DTL	5	8	0.0	5.0	15n			19m	1.0	-55	125	1	G03121d	CN2
	65#	ZSS115B	3M		MON	20	4.0	DTL	5	8	0.0	5.0	15n			19m	1.0	-55	125	1	G03121e	CN2
	66#	ZSS116B	3M		MON	20	4.0	DTL	5	8	0.0	5.0	15n			19m	1.0	-55	125	1	G03126	CN2
	67#	ZSS117B	3M		MON	20	4.0	DTL	5	8	0.0	5.0	15n			19m	1.0	-55	125	1	G03122	CN2
	68#	ZSS131A	3M		MON	20	4.0	DTL	5Δ	8	0.0	5.0	15n			19m	1.0	0	70	1	G03121b	CN2
	69#	ZSS131B	3M		MON	20	4.0	DTL	5Δ	8	0.0	5.0	15n			19m	1.0	0	70	1	G03121c	CN2
	70#	ZSS133A	3M		MON	20	4.0	DTL	2	8	0.0	5.0	15n			19m	1.0	0	70	2	G03121	CN2
	71#	ZSS133B	3M		MON	20	4.0	DTL	2	8	0.0	5.0	15n			19m	1.0	0	70	2	G03121a	CN2
	72#	ZSS135A	3M		MON	20	4.0	DTL	5	8	0.0	5.0	15n			19m	1.0	0	70	1	G03121d	CN2
	73#	ZSS135B	3M		MON	20	4.0	DTL	5	8	0											

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PRO-CESSES	LOGIC			FAN OUT MAX.		POWER SUPPLY		PROPAGATION DELAY (s)	MAX. RISE TIME		MAX. FALL TIME		TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					LEVEL	TYPE	IN	OUT	NEG. (V)	SPAN. (V)	tr (s)		tf (s)	LOW	HI	LOGIC DWG. No			OUTLINE DWG. No				
																				3		1' (V)	4' (V)
1#	ZXS213B	3M	20M%	MON	.40	3.2	DTL	3†	8	0.0	5.0	15n	10n	25n	180m	1.0 Δ	-55	125	3	G03125	M105		
2#	ZXS214A	3M	20M%	MON	.40	3.2	DTL	2	8	0.0	5.0	15n	10n	25n	240m	1.0 Δ	-55	125	4	G03125a	M105		
3#	ZXS214C	3M	20M%	MON	.40	3.2	DTL	2	8	0.0	5.0	15n	10n	25n	240m	1.0 Δ	-55	125	4	G03125a	M105		
4#	ZXS222D	3M	20M%	MON	.40	3.2	DTL	6†	8	0.0	5.0	8.0n	10n	25n	120m	1.0 Δ	0	70	2	G03124	M105		
5#	ZXS223A	3M	20M%	MON	.40	3.2	DTL	3	8	0.0	5.0	8.0n	10n	25n	180m	1.0 Δ	0	70	3	G03125b	M105		
6#	ZXS223B	3M	20M%	MON	.40	3.2	DTL	3†	8	0.0	5.0	8.0n	10n	25n	180m	1.0 Δ	0	70	3	G03125b	M105		
7#	ZXS224A	3M	20M%	MON	.40	3.2	DTL	2	8	0.0	5.0	8.0n	10n	25n	240m	1.0 Δ	0	70	4	G03125a	M105		
8#	ZXS224C	3M	20M%	MON	.40	3.2	DTL	2	8	0.0	5.0	8.0n	10n	25n	240m	1.0 Δ	0	70	4	G03125a	M105		
9#	ZST111E	3M	MON	1.2%	1.7*	DTL	5Δ	8	0.0	5.0	20n	10n	50n	110m	1.0	-55	125	1	G03127a	CN2			
10#	ZST131E	3M	MON	1.2%	1.7*	DTL	5Δ	12	0.0	5.0	20n	10n	50n	110m	1.0	0	70	1	G03127a	CN2			
11#	FCH102	3M	MON	2.3%	.80*	DTL	10Δ	8	0	6	31n	70n	85n	7.0m	1.2 Δ	-55	125	1	G03180	TO84			
12#	FCH112	3M	MON	2.3%	.80*	DTL	10Δ	8	0	6	31n	70n	85n	11m	1.2 Δ	-55	125	1	G03180a	TO84			
13#	FCH122	3M	MON	2.3%	.80*	DTL	5Δ	8	0	6	31n	70n	85n	14m	1.2 Δ	-55	125	2	G03180b	TO84			
14#	FCH132	3M	MON	2.3%	.80*	DTL	5Δ	8	0	6	31n	70n	85n	22m	1.2 Δ	-55	125	2	G03180c	TO84			
15#	FCH142	3M	MON	2.3%	.80*	DTL	3Δ	8	0	6	31n	70n	85n	21m	1.2 Δ	-55	125	3	G03180d	TO84			
16#	FCH152	3M	MON	2.3%	.80*	DTL	3	8	0	6	31n	70n	85n	21m	1.2 Δ	-55	125	3	G03180f	TO84			
17#	FCH162	3M	MON	2.3%	.80*	DTL	3Δ	8	0	6	31n	70n	85n	33m	1.2 Δ	-55	125	3	G03180e	TO84			
18#	FCH172	3M	MON	2.3%	.80*	DTL	3	8	0	6	31n	70n	85n	33m	1.2 Δ	-55	125	3	G03180g	TO84			
19#	FCH182	3M	MON	2.3%	.80*	DTL	2	8	0	6	31n	70n	85n	28m	1.2 Δ	-55	125	4	G03180h	TO84			
20#	FCH192	3M	MON	2.3%	.80*	DTL	2	8	0	6	31n	70n	85n	44m	1.2 Δ	-55	125	4	G03180j	TO84			
21#	FCH222	3M	MON	2.3%	.80*	DTL	3	16	0	6	93n	105n	80n	22m	1.2 Δ	-55	125	2	G03181	TO84			
22#	OMY100	3M	MON	3.0%	.75*	DTL	4Δ	6	6.0	6.0	23n	65n†	55n†	18m	950m	-55	125	1	G03135	TO74			
23#	OMY104	3M	MON	3.0%	.75*	DTL	2	6	6.0	6.0	23n	65n†	55n†	36m	950m	-55	125	2	G03182	TO74			
24	OMY110	3M	MON	3.0%	.75*	DTL	5	6	6.0	6.0	24n	65n†	55n†	890m	0	125	1	G03135	TO74				
25#	OMY120	3M	MON	3.0%	.75*	DTL	4	4	6.0	6.0	23n	65n†	55n†	18m	950m	0	75	1	G03135	TO74			
26#	OMY124	3M	MON	3.0%	.75*	DTL	2	4	6.0	6.0	23n	65n†	55n†	36m	950m	0	75	2	G03182	TO74			
27	6114	3M	10M	PCB	-3.0	0.0	DTL	4†	9	15	10	30n	50n	70n	1.2	500m	-20	55	4	G0340	CBZ		
28	6118	3M	10M	PCB	-3.0	0.0	DTL	8	9	15	10	30n	50n	70n	577m	500m	-20	55	2	G0341	CBZ		
29	MC309F	3M	40M	MON	-.75	-1.6	ECT	2	25	5.2	0	6.0n	9.0n	14n	68m	400m	-55	125	2	G03151	TO91		
30	MC309G	3M	40M	MON	-.75	-1.6	ECT	2	25	5.2	0	6.0n	9.0n	14n	68m	400m	-55	125	2	G03151	CN9		
31	MC310F	3M	40M	MON	-.75	-1.6	ECT	2	25	5.2	0	6.0n	9.0n	14n	68m	400m	-55	125	2	G0385	TO91		
32	MC310G	3M	40M	MON	-.75	-1.6	ECT	2	25	5.2	0	6.0n	9.0n	14n	68m	400m	-55	125	2	G0385	CN9		
33	MC311F	3M	40M	MON	-.75	-1.6	ECT	2	25	5.2	0	6.0n	9.0n	14n	53m	400m	-55	125	2	G0386	TO91		
34	MC311G	3M	40M	MON	-.75	-1.6	ECT	2	25	5.2	0	6.0n	9.0n	14n	53m	400m	-55	125	2	G0386	CN9		
35	MC312F	3M	40M	MON	-.75	-1.6	ECT	3	25	5.2	0.0	6.5n	12n	11n	68m	400m	-55	125	2	G0384	TO86		
36	MC312G	3M	40M	MON	-.75	-1.6	ECT	3	25	5.2	0.0	6.5n	12n	11n	68m	400m	-55	125	2	G0384	CN42		
37	SW309G	3M	40M	MON	-.75	-1.6	ECT	2	25	5.2	0.0	6.0n	9.0n	14n	68m	400m	-55	125	2	G03151	CN9		
38	SW310G	3M	40M	MON	-.75	-1.6	ECT	2	25	5.2	0.0	6.0n	9.0n	14n	68m	400m	-55	125	2	G03151a	CN9		
39	SW311G	3M	40M	MON	-.75	-1.6	ECT	2	25	5.2	0.0	6.0n	9.0n	14n	53m	400m	-55	125	2	G03151b	CN9		
40	SW359G	3M	40M	MON	-.75	-1.6	ECT	2	25	5.2	0.0	19nΔ	10n	14n	71m	400m	0	75	2	G03151	CN9		
41	SW360G	3M	40M	MON	-.75	-1.6	ECT	2	25	5.2	0.0	19nΔ	10n	14n	71m	400m	0	75	2	G03151a	CN9		
42	SW361G	3M	40M	MON	-.75	-1.6	ECT	2	25	5.2	0.0	19nΔ	10n	14n	55m	400m	0	75	2	G03151b	CN9		
43	MC369F	3M	80M	MON	-.75	-1.6	ECT	4	25	5.2	0	3.0n	4.0n	4.0n	250m	0	75	2		TO86			
44	MC369G	3M	80M	MON	-.75	-1.6	ECT	2	25	5.2	0	3.0n	4.0n	4.0n	250m	0	75	2		CN9			
45	MC1007L	3M	80M	MON	-.75	-1.6	ECT	3	25	8	0	4.0n	7.0n	8.0n	110m†	175m	0	75	3	G03183	TO116		
46	MC1008L	3M	80M	MON	-.75	-1.6	ECT	3	25	8	0	4.0n	7.0n	8.0n	75m†	175m	0	75	3	G03183a	TO116		
47	MC1009L	3M	80M	MON	-.75	-1.6	ECT	3	25	5.2	0.0	4.0n	7.0n	8.0n	60m†	175m	0	75	3	G03183b	TO116		
48	MC1010L	3M	80M	MON	-.75	-1.6	ECT	2	25	8	0	4.0n	7.0n	8.0n	115m†	175m	0	75	4	G03159	TO116		
49	MC1011L	3M	80M	MON	-.75	-1.6	ECT	2	25	8	0	4.0n	7.0n	8.0n	95m†	175m	0	75	4	G03159a	TO116		
50	MC1012L	3M	80M	MON	-.75	-1.6	ECT	2	25	8	0	4.0n	7.0n	8.0n	65m†	175m	0	75	4	G03159b	TO116		
51	SW1007F	3M	80M	MON	-.75	-1.6	ECT	3	25	5.2	0.0	4.0n	7.0n	8.0n	110m†	175m	0	75	3	G03183	TO86		
52	SW1007M	3M	80M	MON	-.75	-1.6	ECT	3	25	5.2	0.0	4.0n	7.0n	8.0n	110m†	175m	0	75	3	G03183	M105n		
53	SW1007P	3M	80M	MON	-.75	-1.6	ECT	3	25	5.2	0.0	4.0n	7.0n	8.0n	110m†	175m	0	75	3	G03183	TO116		
54	SW1008F	3M	80M	MON	-.75	-1.6	ECT	3	25	5.2	0.0	4.0n	7.0n	8.0n	75m†	175m	0	75	3	G03183a	TO86		
55	SW1008M	3M	80M	MON	-.75	-1.6	ECT	3	25	5.2	0.0	4.0n	7.0n	8.0n	75m†	175m	0	75	3	G03183a	M105n		
56	SW1008P	3M	80M	MON	-.75	-1.6	ECT	3	25	5.2	0.0	4.0n	7.0n	8.0n	75m†	175m	0	75	3	G03183a	TO116		
57	SW1009F	3M	80M	MON	-.75	-1.6	ECT	3	25	5.2	0.0	4.0n	7.0n	8.0n	60m†	175m	0	75	3	G03183b	TO86		
58	SW1009M	3M	80M	MON	-.75	-1.6	ECT	3	25	5.2	0.0	4.0n	7.0n	8.0n	60m†	175m	0	75	3	G03183b	M105n		
59	SW1009P	3M	80M	MON	-.75	-1.6	ECT	3	25	5.2	0.0	4.0n	7.0n	8.0n	60m†	175m	0	75	3	G03183b	TO116		
60	SW1010F	3M	80M	MON	-.75	-1.6	ECT	2	25	5.2	0.0	4.0n	7.0n	8.0n	115m†	175m	0	75	4	G03159	TO86		
61	SW1010M	3M	80M	MON	-.75	-1.6	ECT	2	25	5.2	0.0	4.0n	7.0n	8.0n	115m†	175m	0	75	4	G03159	M105n		
62	SW1010P	3M	80M	MON	-.75	-1.6	ECT	2	25	5.2	0.0	4.0n	7.0n	8.0n	115m†	175m	0	75	4	G03159	TO116		
63	SW1011F	3M	80M	MON	-.75	-1.6	ECT	2	25	5.2	0.0	4.0n	7.0n	8.0n	95m†	175m	0	75	4	G03159a	TO86		
64	SW1011M	3M	80M	MON	-.75	-1.6	ECT	2	25	5.2	0.0	4.0n	7.0n	8.0n	95m†	175m	0	75	4	G03159a	M105n		
65	SW1011P	3M	80M	MON	-.75	-1.6	ECT	2	25	5.2	0.0	4.0n	7.0n	8.0n	95m†	175m	0	75	4	G03159a	TO116		
66	SW1012F	3M	80M	MON	-.75	-1.6	ECT	2	25	5.2	0.0	4.0n	7.0n	8.0n	65m†	175m	0	75	4	G03159b	TO86		
67	SW1012M	3M	80M	MON	-.75	-1.6	ECT	2	25	5.2	0.0	4.0n	7.0n	8.0n	65m†	175m	0	75	4	G03159b	M105n		
68	SW1012P	3M	80M	MON	-.75	-1.6	ECT	2	25	5.2	0.0	4.0n	7.0n	8.0n	65m†	175m	0	75	4	G03159b	TO116		
69	SW1207F	3M	80M	MON	-.75	-1.6	ECT	3	2														

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL	LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN IN		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME		TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
						LEVEL	TYPE	IN	OUT	NEG. (V)	POS. (V)	tr (s)		tf (s)	LOW			HI	LOGIC DWG. No		OUTLINE DWG. No Δ=MO	
																						'1' (V)
	1	GG3714C	3M	1.0M	TFH	5.0Δ	2.0	RCT	3	6	0	15	50n	100n	40n	5.0m	1.5	-55	125	2		M57
	2	GG3724C	3M	1.0M	TFH	5.0Δ	2.0	RCT	3	6	0	15	50n	100n	40n	5.0m	1.5	-55	125	2		M57a
	3	GG4714C	3M	1.0M	TFH	5.0Δ	2.0	RCT	3	6	0	15	50n	100n	40n	5.0m	1.5	-55	125	1		M57
	4	GG4724C	3M	1.0M	TFH	5.0Δ	2.0	RCT	3	6	0	15	50n	100n	40n	5.0m	1.5	-55	125	1		M57a
	5	GB2515C	3M	5.0M	TFH	5.0Δ	2.0	RCT	3	20	0	12	15n	40n	15n	5.0m	1.5	-55	125	1	G0370	M57
	6	GB2525C	3M	5.0M	TFH	5.0Δ	2.0	RCT	3	20	0	12	15n	40n	15n	5.0m	1.5	-55	125	1	G0370	M57a
	7	GG3515C	3M	5.0M	TFH	5.0Δ	2.0	RCT	3	6	0	12	15n	40n	15n	25m	1.5	-55	125	2	G0371	ZB54
	8	GG4515C	3M	5.0M	TFH	5.0Δ	2.0	RCT	5	6	0	12	15n	40n	15n	25m	1.5	-55	125	1	G0371	M57
	9	GG4525C	3M	5.0M	TFH	5.0Δ	2.0	RCT	5	6	0	12	15n	40n	15n	25m	1.5	-55	125	1	G0371	M57a
	10	GB2415C	3M	10M	TFH	5.0Δ	2.0	RCT	3	20	0	9	10n	30n	10n	100m	1.5	-55	125	1	G0370	M57
	11	GB2425C	3M	10M	TFH	5.0Δ	2.0	RCT	3	20	0	9	10n	30n	10n	100m	1.5	-55	125	1	G0370	M57a
	12	GG3415C	3M	10M	TFH	5.0Δ	2.0	RCT	3	6	0	9	10n	30n	10n	50m	1.5	-55	125	2	G0371	M57
	13	GG3425C	3M	10M	TFH	5.0Δ	2.0	RCT	3	6	0	9	10n	30n	10n	50m	1.5	-55	125	2	G0371	M57a
	14	GG4415C	3M	10M	TFH	5.0Δ	2.0	RCT	5	6	0	9	10n	30n	10n	50m	1.5	-55	125	1	G0371a	M57
	15	GG4425C	3M	10M	TFH	5.0Δ	2.0	RCT	5	6	0	9	10n	30n	10n	50m	1.5	-55	125	1	G0371a	M57a
	16	4118	3M	1.0M	PCB	-3.0	0.0	RCT	8	9	15	10	70n	600n	577m	500m	-20	55	2	G0342	CB□	
	17	6110	3M	5.0M	PCB	-3.0	0.0	RCT	6	9	15	10	30n	90n	658m	500m	-20	55	2	G0338	CB□	
	18	6110	3M	10M	PCB	-3.0	0.0	RCT	6	9	15	10	30n	50n	727m	500m	-20	55	2	G0338	CB□	
	19	6122	3M	10M	PCB	-3.0	0.0	RCT	2	9	15	10	12n	25n	50n	1.3	500m	-20	55	6	G0343	CB□
	20	910	3M	MON	MON			RTL	2	4	0.0	3.6	15n		40m	250m	0	70	2	G0359	TO99	
	21	914	3M	MON	MON			RTL	2	16	0.0	3.6	15n		20m	300m	0	70	2	G03153	TO99	
	22#	9909-1.5B	3M	MON	MON			RTL	2	30	0.0	3.0			10m†		-55	125	1	G0379c	TO99	
	23#	9910-1.5B	3M	MON	MON			RTL	2	4	0.0	3.0			4.0m†		-55	125	2	G0391	TO99	
	24#	9911-1.5B	3M	MON	MON			RTL	4	7	0.0	3.0			4.0m†		-55	125	1	G0383	TO99	
	25	9914EC	3M	MON	MON			RTL	2	16	0.0	3.6	15n			300m	15	55	2	G03153	CN34	
	26	SD3720	3M	MON	MON			RTL	2	0	0.0	3.6	28nΔ		50m		0	75	2	G0359	CN□	
	27	SD3721	3M	MON	MON			RTL	3	0	0.0	3.6	28nΔ		60m		0	75	2	G0365c	CN□	
	28	SD3730	3M	MON	MON			RTL	2	0	0.0	3.6	50nΔ		22m		0	75	2	G0359	CN□	
	29	SD3741	3M	MON	MON			RTL	3	0	0.0	3.6	50nΔ		15m		0	75	2	G0365f	M□	
	30	SD3745	3M	MON	MON			RTL	2	0	0.0	3.6	50nΔ		22m		0	75	4	G0391c	M□	
	31	SD3746	3M	MON	MON			RTL	3†	0	0.0	3.6	90nΔ		17m		0	75	2	G0379g		
	32	USB990328	3M	MON	MON			RTL	3	16	0.0	3.6	15n		20m	250m	15	55	1	G0382	TO99	
	33	USB990728	3M	MON	MON			RTL	4	16	0.0	3.6	15n		20m	250m	15	55	1	G0380	TO99	
	34	USB990729	3M	MON	MON			RTL	4	16	0.0	3.6	15n		20m	250m	0	70	1	G0380	TO99	
	35	USB991028	3M	MON	MON			RTL	2	4	0.0	3.6	15n		40m	250m	15	55	2	G0359	TO99	
	36	USB991428	3M	MON	MON			RTL	2	4	0.0	3.6	15n		40m	250m	0	70	2	G0359	TO99	
	37	USB991528	3M	MON	MON			RTL	2	16	0.0	3.6	15n		40m	300m	15	55	2	G03153	TO99	
	38	USF990328	3M	MON	MON			RTL	2	16	0.0	3.6	15n		300m	300m	0	70	2	G03153	TO99	
	39	USF990329	3M	MON	MON			RTL	3	16	0.0	3.6	15n		20m	250m	0	70	1	G0382	TO100	
	40	USF990728	3M	MON	MON			RTL	4	16	0.0	3.6	15n		20m	250m	15	55	1	G0380	TO100	
	41	USF990729	3M	MON	MON			RTL	4	16	0.0	3.6	15n		20m	250m	0	70	1	G0380	TO100	
	42	USF991028	3M	MON	MON			RTL	2	4	0.0	3.6	15n		40m	250m	15	55	2	G0359	TO100	
	43	USF991029	3M	MON	MON			RTL	2	4	0.0	3.6	15n		40m	250m	0	70	2	G0359	TO100	
	44	USF991428	3M	MON	MON			RTL	2	16	0.0	3.6	15n		300m	300m	15	55	2	G03153	TO100	
	45	USF991429	3M	MON	MON			RTL	2	16	0.0	3.6	15n		300m	300m	0	70	2	G03153	TO100	
	46	USF991528	3M	MON	MON			RTL	3	16	0.0	3.6	15n		40m	250m	15	55	2	G0377	TO100	
	47	U8A990328	3M	MON	MON			RTL	3	16	0.0	3.6	15n		20m	250m	15	55	1	G0382	CN34	
	48	U8A990329	3M	MON	MON			RTL	3	16	0.0	3.6	15n		20m	250m	0	70	1	G0382	CN34	
	49	U8A990728	3M	MON	MON			RTL	4	16	0.0	3.6	15n		20m	250m	15	55	1	G0380	CN34	
	50	U8A990729	3M	MON	MON			RTL	4	16	0.0	3.6	15n		20m	250m	0	70	1	G0380	CN34	
	51	U8A991028	3M	MON	MON			RTL	2	4	0.0	3.6	15n		40m	250m	15	55	2	G0359	CN34	
	52	U8A991029	3M	MON	MON			RTL	2	4	0.0	3.6	15n		40m	250m	0	70	2	G0359	CN34	
	53	U8A991428	3M	MON	MON			RTL	2	16	0.0	3.6	15n		300m	300m	15	55	2	G03153	CN34	
	54	U8A991429	3M	MON	MON			RTL	2	16	0.0	3.6	15n		300m	300m	0	70	2	G03153	CN34	
	55	U8A991528	3M	MON	MON			RTL	3	16	0.0	3.6	15n		40m	250m	15	55	2	G0377	CN34	
	56	US0909D	3M	MON	MON			RTL	2	30	0	8	30n□		250m		-55	125	1	G0379d	TO78	
	57	US0909E	3M	MON	MON			RTL	2	30	0.0	8.0	30n□		250m		-55	125	1	G0379b	TO91	
	58	US0910D	3M	MON	MON			RTL	2	5	0	8	30n□		250m		-55	125	2	G0359	TO78	
	59	US0910E	3M	MON	MON			RTL	2	5	0.0	8.0	30n□		250m		-55	125	2	G0359	TO91	
	60	US0960D	3M	MON	MON			RTL	2	30	0	8	30n		250m		-55	125	2	G0379b	TO78	
	61	USN0960D	3M	MON	MON			RTL	2	30	0	8	30n		250m		0	70	2	G0379b	TO78	
	62	PL9609-21	3M	MON	MON	.75%	45†	RTL	2	30	0	3	80nΔ		10m†		-55	125	2	G0379f	ZB155	
	63	PL9609-23	3M	MON	MON	.75%	45†	RTL	2	30	0	3	80nΔ		10m†		0	75	2	G0379f	ZB155	
	64	PL9909-21	3M	MON	MON	.75%	45†	RTL	2	30	0	3	80nΔ	70n	90n	10m†		-55	125	1	G0379d	ZB155
	65	PL9909-23	3M	MON	MON	.75%	45†	RTL	2	30	0	3	80nΔ	70n	90n	10m†		0	75	1	G0379d	ZB155
	66	PL9910-21	3M	MON	MON	.75%	45†	RTL	2	4	0	3	45nΔ	40n	50n	4m†		-55	125	2	G0359b	ZB155
	67	PL9910-23	3M	MON	MON	.75%	45†	RTL	2	4	0	3	45nΔ	40n	50n	4m†		0	75	2	G0359b	ZB155
	68	PL9939-21	3M	MON	MON	.75%	45†	RTL	3	4	0	3	45nΔ		4m†		-55	125	2	G0392	ZB165	
	69	PL9939-23	3M	MON	MON	.75%	45†	RTL	3	4	0	3	45nΔ		4m†		0	75	2	G0392	ZB165	
	70	PL9602	3M	MON	MON	.82%	49†	RTL	3Δ	32	0	3	18nΔ		15m†		-55	125	1	G03117	TO91	
	71	PL9603	3M	MON	MON	.82%	49†	RTL	3	4	0	3	15nΔ		15m†		-55	125	2	G0365	TO91	
	72	NC1021	3M	MON	MON	.82%	57	RTL	4	2†	2.7	3.3	13n	20n	28n		-55	125	1	G0364	CN29	
	73	NC2021	3M	MON	MON	.82%	57	RTL	4	2†	2.7	3.3	13n	20n	28n		256m	0	100	1	G0364	CN29
	74	NC3021	3M	MON	MON	.82%	57	RTL	4	2†	2.7											

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN IN	OUT MAX.	POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME		TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					LEVEL	TYPE	TYPE			NEG. (V)	POS. (V)		tr (s)	tf (s)			LOW	HI		LOGIC DWG. No	OUTLINE DWG. No
1	FuL91529	3M		MON	1.1	25	RTL	3	16	0.0	3.6	10n			34m	300m	15	55	2		TO100
2	uL903#1	3M		MON	1.1	25	RTL	3	5	0.0	12	12n			27m		-55	125	1	G0389	CN34
3	uL903#2	3M		MON	1.1	25	RTL	3	5	0.0	12	12n			27m		0	100	1	G0389	TO70
4	uL907#1	3M		MON	1.1	25	RTL	4	5	0.0	12	12n			27m		-55	125	1	G0390	CN34
5	uL907#2	3M		MON	1.1	25	RTL	4	5	0.0	12	12n			27m		0	100	1	G0390	TO70
6	uL914	3M		MON	1.1	25	RTL	2	32	0.0	3.6	14n			54m		-15	55	2	G0391	CN34
7	uL915	3M		MON	1.1	25	RTL	3	10	0.0	12	12n			54m		-55	125	2	G0392	CN38
8	GB1713B	3M	20M	TFH	5.0Δ	2.0	RTL	3	20	0	15	80n	200n	70n	10m	2.5	-55	125	1		M57
9	GB1723B	3M	20M	TFH	5.0Δ	2.0	RTL	3	20	0	15	80n	200n	70n	10m	2.5	-55	125	1		M57a
10	GG1713B	3M	20M	TFH	5.0Δ	2.0	RTL	3	6	0	15	80n	200n	70n	5.0m	2.5	-55	125	2		M57
11	GG1723B	3M	20M	TFH	5.0Δ	2.0	RTL	3	6	0	15	80n	200n	70n	5.0m	2.5	-55	125	2		M57a
12	GG2713B	3M	20M	TFH	5.0Δ	2.0	RTL	5	6	0	15	80n	200n	70n	5.0m	2.5	-55	125	1		M57
13	GG2723B	3M	20M	TFH	5.0Δ	2.0	RTL	5	6	0	15	80n	200n	70n	5.0m	2.5	-55	125	1		M57a
14	GB1514B	3M	1.0M	TFH	5.0Δ	2.0	RTL	3	20	0	12	30n	60n	25n	50m	2.5	-55	125	1	G0370	M57
15	GB1524B	3M	1.0M	TFH	5.0Δ	2.0	RTL	3	20	0	12	30n	60n	25n	50m	2.5	-55	125	1	G0370	M57a
16	GG1514B	3M	1.0M	TFH	5.0Δ	2.0	RTL	3	6	0	12	30n	60n	25n	25m	2.5	-55	125	2	G0371	M57
17	GG1524B	3M	1.0M	TFH	5.0Δ	2.0	RTL	3	6	0	12	30n	60n	25n	25m	2.5	-55	125	2	G0371	M57a
18	GG2514B	3M	1.0M	TFH	5.0Δ	2.0	RTL	5	6	0.0	12	30n	60n	25n	25m	2.5	-55	125	2	G0371a	M57
19	GG2524B	3M	1.0M	TFH	5.0Δ	2.0	RTL	5	6	0.0	12	30n	60n	25n	25m	2.5	-55	125	2	G0371a	M57a
20	GB1414B	3M	2.0M	TFH	5.0Δ	2.0	RTL	3	20	0	9	20n	40n	20n	100m	2.5	-55	125	1	G0370	M57
21	GB1424B	3M	2.0M	TFH	5.0Δ	2.0	RTL	3	20	0	9	20n	40n	20n	100m	2.5	-55	125	1	G0370	M57a
22	GG1414B	3M	2.0M	TFH	5.0Δ	2.0	RTL	3	6	0	9	20n	40n	20n	50m	2.5	-55	125	2	G0371	M57
23	GG1424B	3M	2.0M	TFH	5.0Δ	2.0	RTL	3	6	0	9	20n	40n	20n	50m	2.5	-55	125	2	G0371	M57a
24	GG2414B	3M	2.0M	TFH	5.0Δ	2.0	RTL	5	6	0	9	20n	40n	20n	50m	2.5	-55	125	1	G0371a	M57
25	GG2424B	3M	2.0M	TFH	5.0Δ	2.0	RTL	5	6	0	9	20n	40n	20n	50m	2.5	-55	125	1	G0371a	M57a
26	4112Δ	3M	1.0M	PCB	-3.0	0.0	RTL	2	9	15	10		70n	600n	937m	500m	-20	55	6		CBZ
27	4114Δ	3M	1.0M	PCB	-3.0	0.0	RTL	4†	9	15	10		70n	600n	940m	500m	-20	55	4		CBZ
28	4116	3M	1.0M	PCB	-3.0	0.0	RTL	5	9	15	10		70n	600n	943m	500m	-20	55	3	G0341	CBZ
29	NC74L51N	3M		MON	2.0%	.70*	TTL	6†	10	0.0	5.0	90nΔ			2.5m†	1.0 Δ	0	70	2	G03175b	TO116
30	NC74L54N	3M		MON	2.0%	.70*	TTL	10	10	0.0	5.0	90nΔ			4.5m†	1.0 Δ	0	70	1	G03175a	TO116
31	NC74L55N	3M		MON	2.0%	.70*	TTL	8	10	0.0	5.0	90nΔ			2.5m†	1.0 Δ	0	70	1	G03175c	TO116
32	N7402J	3M			2.0%	.80*	TTL	2	10	0.0	5.0	8.0n			254m%		0	70	4	G03241	TO88
33	S5402J	3M			2.0%	.80*	TTL	2	10	0.0	5.0	8.0n			269m%		-55	125	4	G03241	TO88
34	PL9911-21	3MG		MON	.75%	.45†	RTL	4	4	0	3	80nΔ	70n	90n	4m†		-55	125	1	G0358a	ZB155
35	PL9911-23	3MG		MON	.75%	.45†	RTL	4	4	0	3	80nΔ	70n	90n	4m†		0	75	1	G0358a	ZB155
36#	SP244A	3MS		MON	.84	.22	RTL	4	4	0.0	8.0	80n			4.0m†	320m	-55	125	1	G0383	CN6a
37#	SP244B	3MS		MON	.84	.22	RTL	4	4	0.0	8.0	80n			4.0m†	320m	0	70	1	G0383	CN6a
38#	SP294A	3MS		MON	.84	.22	RTL	4	4	0	8	80n			4.0m	320m	-55	125	1	G0383a	FP2
39#	SP294B	3MS		MON	.84	.22	RTL	4	4	0	8	80n			4.0m	320m	0	70	1	G0383a	FP2
40#	SP344A	3MS		MON	1.0	.22	RTL	4	5	0	8	25n			30m	320m	-55	125	1	G0383	TO78
41#	SP344B	3MS		MON	1.0	.22	RTL	4	5	0	8	25n			30m	320m	0	70	1	G0383	TO78
42#	SP394A	3MS		MON	1.0	.22	RTL	4	5	0	8	25n			30m	320m	-55	125	1	G0383	FP2
43#	SP394B	3MS		MON	1.0	.22	RTL	4	5	0	8	25n			30m	320m	0	70	1	G0383a	FP2
44	FuL91129	3MS		MON	1.1	.25	RTL	4	7	0.0	3.6	25n			4.0m	300m	15	55	1	G0358	TO99
45	DM10102CJ	3S			.96%	-1.81*	RTL	2		0.0	5.2	2.0n	3.3n	3.3n	100m†		-30	85	4	G03277	M200e
46	911	3S		MON			RTL	4	7	0.0	3.6	15n			20m	250m	0	70	1	G0358	TO99
47	915	3S		MON			RTL	3	16	0.0	3.6	15n			40m	250m	0	70	2	G0377	CBZ
48	U5B991128	3S		MON			RTL	4	7	0.0	3.6	15n			20m	250m	15	55	1	G0358	TO99
49	U5B991129	3S		MON			RTL	4	7	0.0	3.6	15n			20m	250m	0	70	1	G0358	TO99
50	U5B991529	3S		MON			RTL	3	16	0.0	3.6	15n			20m	250m	0	70	2	G0377	TO99
51	U5F991128	3S		MON			RTL	4	7	0.0	3.6	15n			20m	250m	15	55	1	G0358	TO100
52	U5F991129	3S		MON			RTL	4	7	0.0	3.6	15n			20m	250m	0	70	1	G0358	TO100
53	U5F991529	3S		MON			RTL	3	16	0.0	3.6	15n			40m	250m	0	70	2	G0377	TO100
54	U8A991128	3S		MON			RTL	4	7	0.0	3.6	15n			20m	250m	15	55	1	G0358	CN34
55	U8A991129	3S		MON			RTL	4	7	0.0	3.6	15n			20m	250m	0	70	1	G0358	CN34
56	U8A991529	3S		MON			RTL	3	16	0.0	3.6	15n			40m	250m	0	70	2	G0377	CN34
57	US0911D	3S		MON			RTL	4	5	0	8	30nZ			250m		-55	125	1	G0358	TO78
58	US0911E	3S		MON			RTL	4	5	0	8	30nZ			250m		-55	125	1	G0358	TO91
59	RM205	4						4	4	0.0	6.0	200n			75m	550m					
60	TA5388	4		MOS				50	15		15									K0697	M135
61	301AG	4	4.0M	MON				6	25†	0.0	12	60n†	60n†	60n†	75m	4.0mΔ	-55	125	2	G04238	CN50
62	H100L	4		MON		1.4*†		5Δ		0.0	30	5.0u			210m		-55	125	2	G04390	TO86
63	H100P	4		MON		1.4*†		5Δ		0.0	30	5.0u			210m		-55	125	2	G04390	TO116
64	H101L	4		MON		1.4*†		2		0.0	30	5.0u			429m		-55	125	4	G04390a	TO86
65	H101P	4		MON		1.4*†		2		0.0	30	5.0u			420m		-55	125	4	G04390a	TO116
66	TG33	4	5.0M	PCB	0.0	3.0		2	30	0	4	30n			300m	1.0	-40	75	12		CB10a
67	IE12H	4	5.0M	MOH	0.0	5.0		2Δ									0	100	12		CB7
68	IN6H	4	5.0M	MOH	0.0	5.0		7	12	0.0	5.0	45nΔ			360m	1.0 Δ	0	100	6	G043e	CB7
69	IN6M	4	5.0M	MOH	0.0	5.0		7	12	0.0	5.0	45nΔ			360m	1.0 Δ	0	70	6	G043e	CB7
70	IN12H	4	5.0M	MOH	0.0	5.0		3	12	0.0	5.0	45nΔ			180m	1.0 Δ	0	100	12	G043	CB7
71	IN12M	4	5.0M	MOH	0.0	5.0		3	12	0.0	5.0	45nΔ			180m	1.0 Δ	0	70	12	G043	CB7
72	IE12M	4	5.0M	MOH	0.0	5.0		5Δ									0	70	12		CB7
73	2NB1017	4	10M	MON	.81	.25		5	13		4.0	14n	14n	14n	27m	355m	-55	125	1	G043e	CN19
74	2NB2017	4	10M	MON	.84	.25		5	13		4.0	14n	14n	14n	27m	293m	0	100	1	G043e	CN19
75	2NB4017	4	10M	MON	.84																

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL	LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PCK MOD	DRAWINGS	
						LEVEL	TYPE	IN	OUT MAX.	NEG. (V)	POS. (V)	tr (s)		tf (s)	LOW °C			HI °C	LOGIC DWG. No		OUTLINE DWG. No Δ=MO	
																						'1' (V)
	1	DC2CNG4	4	2.0M	PCB	-6.0	0.0	5Δ	6	18	18	50n	150n	250n	1.2	-55	55	3				
	2	DC2MNG2	4	2.0M	PCM	-6.0	0.0	2	6	18	18	50n	150n	250n	1.2	-55	55	2				
	3	DC2MNG4	4	2.0M	PCM	-6.0	0.0	4	6	18	18	50n	150n	250n	1.2	-55	55	1				
	4	LCE203	4	2.0M	MOH	-6.0	0.0†	5	5	17	6	20n				-10	55	1		CN27		
	5	DC10CNG2	4	10M	PCB	-6.0	0.0	3Δ	4	18	18	25n	50n	80n	1.2	-55	55	3				
	6	DC10CNG4	4	10M	PCB	-6.0	0.0	5Δ	4	18	18	25n	50n	80n	1.2	-55	55	2				
	7	DC10MNG2	4	10M	PCM	-6.0	0.0	2	4	18	18	25n	50n	80n	1.2	-55	55	2				
	8	DC10MNG4	4	10M	PCM	-6.0	0.0	4	4	18	18	25n	50n	80n	1.2	-55	55	1				
	9	UL52C	4		MOS	-9.0%	-3.5*			15	0.0	350n			635m	-25	75	4	G04445	FP81		
	10	321AG	4	4.0M	MON	11	1.5	3	5†	0.0	12	60n†	60n†	60n†	85m	4.0mΔ	-55	125	4	G04237	CN50	
	11	322AG	4	4.0M	MON	11	1.5	3	5†	0.0	12	60n†	60n†	60n†	45m	4.0mΔ	-55	125	2	G04236	CN50	
	12	JANM38510/05001ACA	4		MON	3.95%	.85*	CMS	2	7	0.0	5.0	300nΔ		200m		-55	125	4	G04403	M314	
	13	JANM38510/05001ADA	4		MON	3.95%	.85*	CMS	2	7	0.0	5.0	300nΔ		200m		-55	125	4	G04403	FP116	
	14	JANM38510/05001BAB	4		MON	3.95%	.85*	CMS	2	7	0.0	5.0	300nΔ		200m		-55	125	4	G04403	FP115	
	15	JANM38510/05001CCC	4		MON	3.95%	.85*	CMS	2	7	0.0	5.0	300nΔ		200m		-55	125	4	G04403	FP115	
	16	JANM38510/05002ACA	4		MON	3.95%	.85*	CMS	2	7	0.0	5.0	300nΔ		200m		-55	125	2	G04479	M314	
	17	JANM38510/05002ADA	4		MON	3.95%	.85*	CMS	4	7	0.0	5.0	490nΔ		200m		-55	125	2	G04479	FP116	
	18	JANM38510/05002CCC	4		MON	3.95%	.85*	CMS	4	7	0.0	5.0	490nΔ		200m		-55	125	2	G04479	M314	
	19	JANM38510/05003ACA	4		MON	3.95%	.85*	CMS	3	7	0.0	5.0	265nΔ		200m		-55	125	3	G04480	M314	
	20	JANM38510/05003ADA	4		MON	3.95%	.85*	CMS	3	7	0.0	5.0	265nΔ		200m		-55	125	3	G04480	FP116	
	21	JANM38510/05003CCC	4		MON	3.95%	.85*	CMS	3	7	0.0	5.0	265nΔ		200m		-55	125	3	G04480	M314	
	22	CD4093E	4		MOS	4.95%	.05†*	CMS	2	50	0.0	5.0	100n	20n	20n	500mΔ	-40	85	4	G04522	M□	
	23	SW4011A	4		MOS	5.0	0.0	CMS	2	50	0.0	5.0	50n		200m		-40	85	4	G043ax	M313a	
	24	SW4012A	4		MOS	5.0	0.0	CMS	4	50	0.0	5.0	100n		200m		-40	85	2	G043aw	M313a	
	25	SW4023A	4		MOS	5.0	0.0	CMS	3	50	0.0	5.0	50n		200m		-40	85	3	G04480	M313a	
	26	TP4012BN	4		MOS	7.0%	3.0*	CMS	2	0.0	0.0	10			200m	2.0 *	-40	85	4	G04478	TO116	
	27	TP4068BN	4		MOS	7.0%	3.0*	CMS	8	6E	0.0	10			200m	2.0 *	-40	85	1	G04472	TO116	
	28	TF4011AJ	4		MOS	7.1%	2.9*	CMS	2	0.0	10	100nΔ			600m		-55	125	4	G04478	M157b	
	29	TF4011AN	4		MOS	7.1%	2.9*	CMS	2	0.0	10	100nΔ			600m		-55	125	4	G04478	M126e	
	30	TF4012AJ	4		MOS	7.1%	2.9*	CMS	4	0.0	10	150nΔ			600m		-55	125	2	G04479	M157b	
	31	TF4012AN	4		MOS	7.1%	2.9*	CMS	4	0.0	10	150nΔ			600m		-55	125	2	G04479	M126e	
	32	TF4023AJ	4		MOS	7.1%	2.9*	CMS	3	0.0	10	80nΔ			600m		-55	125	3	G04480	M157b	
	33	TF4023AN	4		MOS	7.1%	2.9*	CMS	3	0.0	10	80nΔ			600m		-55	125	3	G04480	M126e	
	34	TF4311AJ	4		MOS	7.1%	2.9*	CMS	2	0.0	10	170nΔ			600m		-55	125	4	G04478	M157b	
	35	TF4311AN	4		MOS	7.1%	2.9*	CMS	2	0.0	10	170nΔ			600m		-55	125	4	G04478	M126e	
	36	TP4011AJ	4		MOS	7.1%	2.9*	CMS	2	0.0	10	130nΔ			300m		-40	85	4	G04478	M157b	
	37	TP4011AN	4		MOS	7.1%	2.9*	CMS	2	0.0	10	130nΔ			300m		-40	85	4	G04478	M126e	
	38	TP4012AJ	4		MOS	7.1%	2.9*	CMS	4	0.0	10	200nΔ			300m		-40	85	2	G04479	M157b	
	39	TP4012AN	4		MOS	7.1%	2.9*	CMS	4	0.0	10	200nΔ			300m		-40	85	2	G04479	M126e	
	40	TP4023AJ	4		MOS	7.1%	2.9*	CMS	3	0.0	10	110nΔ			300m		-40	85	3	G04480	M157b	
	41	TP4023AN	4		MOS	7.1%	2.9*	CMS	3	0.0	10	110nΔ			300m		-40	85	3	G04480	M126e	
	42	TP4311AJ	4		MOS	7.1%	2.9*	CMS	2	0.0	10	230nΔ			300m		-40	85	4	G04478	M157b	
	43	TP4311AN	4		MOS	7.1%	2.9*	CMS	2	0.0	10	230nΔ			300m		-40	85	4	G04478	M126e	
	44	CD4011UBK	4		MOS	9.95%	.05†*	CMS	2	0.0	10	60nΔ			5.0m		-55	125	4	G04478	Δ004AF	
	45	CD4012BK	4		MOS	9.95%	.05†*	CMS	4	0.0	10	120nΔ			5.0m	2.0	-55	125	2	G04479	Δ004AF	
	46	CD4023BK	4		MOS	9.95%	.05†*	CMS	3	0.0	10	120nΔ			5.0m	2.0	-55	125	3	G04480	Δ004AF	
	47	SCL4011BD	4		MOS	9.95%	.05†*	CMS	2	50	0.0	10	120nΔ		1.0m	3.0	-55	125	4	G04478	M257j	
	48	SCL4011BF	4		MOS	9.95%	.05†*	CMS	2	50	0.0	10	120nΔ		1.0m	3.0	-55	125	4	G04478	Δ004AF	
	49	SCL4011UBD	4		MOS	9.95%	.05†*	CMS	2	50	0.0	10	70nΔ		1.0m	3.0	-55	125	4	G04403	M257j	
	50	SCL4011UBF	4		MOS	9.95%	.05†*	CMS	2	50	0.0	10	70nΔ		1.0m	3.0	-55	125	4	G04403	Δ004AF	
	51	SCL4012BD	4		MOS	9.95%	.05†*	CMS	4	50	0.0	10	120nΔ		1.0m	3.0	-55	125	2	G04479	M257j	
	52	SCL4012BF	4		MOS	9.95%	.05†*	CMS	4	50	0.0	10	120nΔ		1.0m	3.0	-55	125	2	G04479	Δ004AF	
	53	SCL4023BD	4		MOS	9.95%	.05†*	CMS	3	50	0.0	10	120nΔ		1.0m	3.0	-55	125	3	G04480	M257j	
	54	SCL4023BF	4		MOS	9.95%	.05†*	CMS	3	50	0.0	10	120nΔ		1.0m	3.0	-55	125	3	G04480	Δ004AF	
	55	SCL4068BD	4		MOS	9.95%	.05†*	CMS	8	50	0.0	10	120nΔ		1.0m	3.0	-55	125	1	G04472	M257j	
	56	SCL4068BF	4		MOS	9.95%	.05†*	CMS	8	50	0.0	10	120nΔ		1.0m	3.0	-55	125	1	G04472	Δ004AF	
	57	SCL4412BD	4		MOS	9.95%	.05†*	CMS	8Δ	50	0.0	10	120nΔ		1.0m	3.0	-55	125	2	G04456	Δ001AE	
	58	CD4068BH	4		MOS	9.99%	.01†*	CMS	8	0.0	10	260nΔ			200m	4.5 Δ	-55	125	1	G04472	FC□	
	59	HD1-4011A2	4		MOS	9.99%	.01†*	CMS	2	0.0	10	40nΔ	20n	20n†	1.0m	4.5 Δ	-55	125	4	G04478	M126v	
	60	HD1-4011A9	4		MOS	9.99%	.01†*	CMS	2	0.0	10	50nΔ	20n	20n†	500m	4.5 Δ	-40	85	4	G04478	M126v	
	61	HD1-4012A2	4		MOS	9.99%	.01†*	CMS	4	0.0	10	75nΔ	20n	20n†	1.0m	4.5 Δ	-55	125	2	G04479	M126v	
	62	HD1-4012A9	4		MOS	9.99%	.01†*	CMS	4	0.0	10	100nΔ	20n	20n†	500m	4.5 Δ	-40	85	2	G04479	M126v	
	63	HD1-4023A2	4		MOS	9.99%	.01†*	CMS	2	0.0	10	40nΔ	20n	20n†	1.0m	4.5 Δ	-55	125	3	G04397a	M126v	
	64	HD1-4023A9	4		MOS	9.99%	.01†*	CMS	2	0.0	10	50nΔ	20n	20n†	500m	4.5 Δ	-40	85	3	G04397a	M126v	
	65	HD9-4011A2	4		MOS	9.99%	.01†*	CMS	2	0.0	10	40nΔ	20n	20n†	1.0m	4.5 Δ	-55	125	4	G04478	TO86	
	66	HD9-4011A9	4		MOS	9.99%	.01†*	CMS	2	0.0	10	50nΔ	20n	20n†	500m	4.5 Δ	-40	85	4	G04478	TO86	
	67	HD9-4012A2	4		MOS	9.99%	.01†*	CMS	4	0.0	10	75nΔ	20n	20n†	1.0m	4.5 Δ	-55	125	2	G04479	TO86	
	68	HD9-4012A9	4		MOS	9.99%	.01†*	CMS	4	0.0	10	100nΔ	20n	20n†	500m	4.5 Δ	-40	85	2	G04479	TO86	
	69	HD9-4023A2	4		MOS	9.99%	.01†*	CMS	2	0.0	10	40nΔ	20n	20n†	1.0m	4.5 Δ	-55	125	3	G04397a	TO86	
	70	HD9-4023A9	4		MOS	9.99%	.01†*	CMS	2	0.0	10	50nΔ	20n	20n†	500m	4.5 Δ	-40	85	3	G04397a	TO86	
	71	MC14011BCL	4	P%	MOS	9.99%	.01†*	CMS	2	0.0	10	65n	100n	100n	10u%	4.5 Δ	-40	85	4	G04478	TO116	
	72	MC14012BCL	4	P%	MOS	9.99%	.01†*	CMS	4	0.0	10	65n	100n	100n	10u%	4.5 Δ	-40	85	2	G04479	TO116	
	73	MC14023BCL	4	P%	MOS	9.99%	.01†*	CMS	3	0.0	1											

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN IN	POWER SUPPLY SPAN	PROPAGA-TION DELAY (s)	MAX.		TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS				
					LEVEL		TYPE				OUT MAX.	NEG. (V)			POS. (V)	RISE TIME tr (s)		FALL TIME tf (s)	LOW	HI	LOGIC DWG. No	OUTLINE DWG. No Δ=MO
					1' (V)	0' (V)																
1	CD4023AK	4		MOS	10	0.01	CMS	3	0.0	10	40nΔ	1.0u%	4.5 Δ	-55	125	3	G04397a	Δ004AF				
2	CD4068BK	4		MOS	10	0.0	CMS	8	0.0	10	260nΔ	200m	4.5 Δ	-55	125	1	G04472	Δ004AF				
3	INS4012S	4		MOS	10	0.01	CMS	4	50	0.0	10	30nΔ	100n%	4.5 Δ	-55	125	2	G043aw	M236b			
4	INS4023S	4	10M	MOS	10	0.01	CMS	3	50	0.0	10	10n	3.0u%	4.5 Δ	-55	125	3	G04397a	M236b			
5	INS4011S	4	15M	MOS	10	0.01	CMS	2	50	0.0	10	10n	6.0u%	4.5	-55	125	4	G043ax	M236			
6	TC7410BP	4		MOS	14.9%	0.05*†	CMS	3	50	0.0	15	125nΔ	300m	4.0	-40	85	3	G04470	M595			
7	TC7420BP	4		MOS	14.9%	0.05*†	CMS	4	50	0.0	15	125nΔ	300m	4.0	-40	85	2	G04471	M595			
8	CD4012UBH	4		MOS	15	0.0	CMS	4	50	0.0	15	50nΔ	500m	4.5 Δ	-55	125	2	G04404				
9	CD4023UBH	4		MOS	15	0.0	CMS	3	50	0.0	15	50nΔ	500m	4.5 Δ	-55	125	3	G04397a				
10	CD4023UBK	4		MOS	15	0.0	CMS	3	50	0.0	15	50nΔ	500m	4.5 Δ	-55	125	3	G04397a				
11	CD4011BK	4		MOS	15%	0.05*†	CMS	2	0.0	15	90nΔ	15u%	5.5	-55	125	4	G04403	Δ004AF				
12	CD4011BY	4		MOS	15%	0.05*†	CMS	2	0.0	15	75nΔ	200m	5.5	-55	125	4	G04403	Δ001AB				
13	CD4012UBK	4		MOS	15	0.0	CMS	4	50	0.0	15	50nΔ	500m	4.5 Δ	-55	125	2	G04404	Δ004AF			
14	8214.A.C	4		TFH	3.0	0.50	DDL	6Δ	4	3	16	110m	1.5	-45	65	8	G0412	M7				
15	NG882	4	2.0M	PCB	6.0	0.0	DIL	4Δ	6	12	12	150n	90m	1.5	-45	65	8	G042	CB1			
16	NG883	4	2.0M	PCB	6.0	0.0	DIL	4Δ	6	12	12	150n	90m	1.5	-45	65	8	G041a	CB1			
17	NG884	4	2.0M	PCB	6.0	0.0	DIL	4Δ	6	12	12	150n	90m	1.5	-45	65	8	G041	CB1			
18	130MY	4					DTL	5	5		30n	1m	700m		T 3	1	G04100	ZB46				
19	140MY	4					DTL	5	5		30n	32m	700m		T 3	1	G04101	ZB46				
20	130MY #1	4					DTL	5	5		30n	11m	700m	-55	125	1	G04100	CN36				
21	130MY #2	4					DTL	5	5		30n	11m	700m	-55	125	1	G04100	FP14				
22	130MY #3	4					DTL	5	5		30n	11m	700m	0	70	1	G04100	CN36				
23	130MY #4	4					DTL	5	5		30n	11m	700m	0	70	1	G04100	FP14				
24	140MY #1	4					DTL	5	5		30n	32m	700m	-55	125	1	G04101	CN36				
25	140MY #2	4					DTL	5	5		30n	32m	700m	-55	125	1	G04101	FP14				
26	140MY #3	4					DTL	5	5		30n	32m	700m	0	70	1	G04101	CN36				
27	140MY #4	4					DTL	5	5		30n	32m	700m	0	70	1	G04101	FP14				
28	CL805	4		PCM			DTL	2	8	0.0	5.0	160m		0	75	8		CB1				
29	CL806	4		PCM			DTL	2	7	0.0	5.0	240m		0	75	8		CB1				
30	CL809	4		PCM			DTL	3	8	0.0	5.0	120m		0	75	6		CB1				
31	CL810	4		PCM			DTL	3	7	0.0	5.0	180m		0	75	6		CB1				
32	CL813	4		PCM			DTL	5Δ	8	0.0	5.0	80m		0	75	4		CB1				
33	CL814	4		PCM			DTL	5Δ	7	0.0	5.0	120m		0	75	4		CB1				
34	CL817	4		PCM			DTL	5Δ	25	0.0	5.0	300m		0	75	4		CB1				
35	CL825	4		PCM			DTL	5Δ	27	0.0	5.0	224m		0	75	4		CB1				
36	Ful93029 #1	4		MON			DTL	5	8	0.0	4.0	5.0m	1.0	0	70	2	G0492f	CN29				
37	Ful93029 #2	4		MON			DTL	5Δ	8	0.0	4.0	5.0m	1.0	0	70	2	G0492f	FP28				
38	Ful93229	4		MON			DTL	5Δ	25	0.0	4.0	25m	1.0	0	70	2	G04154a					
39	Ful94429	4		MON			DTL	5Δ	27	0.0	4.0	20m	1.0	0	70	2	G04154					
40	Ful94629	4		MON			DTL	2	8	0.0	4.0	5.0m	1.0	0	70	4	G0492g	ZB6				
41	Ful96229	4		MON			DTL	3	8	0.0	4.0	5.0m	1.0	0	70	3	G0492h	ZB6				
42	HEPC1046P-RT	4					DTL	2	8	0.0	8.0	30n				4		TO116				
43	MCE944F	4		MON			DTL	5Δ	27	0.0	5.0	65m		-55	125	2	G04154d	TO86				
44	MCE962F	4		MON			DTL	3	8	0.0	5.0	33m		-55	125	3	G0492b	TO86				
45	MIC301-1D	4		MON			DTL	6Δ	0.0	12				-55	125	2		M153a				
46	MIC301-1D1	4		MON			DTL	6Δ	0.0	15				-55	125	2		M153a				
47	MIC301-5D	4		MON			DTL	6Δ	0.0	12				-30	85	2		M153a				
48	MIC301-5D1	4		MON			DTL	6Δ	0.0	15				-30	85	2		M153a				
49	MIC302-1D	4		MON			DTL	3Δ	0.0	12				-55	125	4		M153a				
50	MIC302-1D1	4		MON			DTL	3Δ	0.0	15				-55	125	4		M153a				
51	MIC302-5D	4		MON			DTL	3Δ	0.0	12				-30	85	4		M153a				
52	MIC302-5D1	4		MON			DTL	3Δ	0.0	15				-30	85	4		M153a				
53	MIC303-1D	4		MON			DTL	3Δ	0.0	12				-55	125	4		M153a				
54	MIC303-1D1	4		MON			DTL	3Δ	0.0	15				-55	125	4		M153a				
55	MIC303-5D	4		MON			DTL	3Δ	0.0	12				-30	85	4		M153a				
56	MIC303-5D1	4		MON			DTL	3Δ	0.0	15				-30	85	4		M153a				
57	MIC321-1D	4		MON			DTL	3Δ	0.0	12				-55	125	4		M153a				
58	MIC321-1D1	4		MON			DTL	3Δ	0.0	15				-55	125	4		M153a				
59	MIC321-5D	4		MON			DTL	3Δ	0.0	12				-30	85	4		M153a				
60	MIC321-5D1	4		MON			DTL	3Δ	0.0	15				-30	85	4		M153a				
61	MIC322-1D	4		MON			DTL	6Δ	0.0	12				-55	125	2		M153a				
62	MIC322-1D1	4		MON			DTL	6Δ	0.0	15				-55	125	2		M153a				
63	MIC322-5D	4		MON			DTL	6Δ	0.0	12				-30	85	2		M153a				
64	MIC322-5D1	4		MON			DTL	6Δ	0.0	15				-30	85	2		M153a				
65	MIC323-1D	4		MON			DTL	3Δ	0.0	12				-55	125	4		M153a				
66	MIC323-1D1	4		MON			DTL	3Δ	0.0	15				-55	125	4		M153a				
67	MIC323-5D	4		MON			DTL	3Δ	0.0	12				-30	85	4		M153a				
68	MIC323-5D1	4		MON			DTL	3Δ	0.0	15				-30	85	4		M153a				
69	MIC324-1D	4		MON			DTL	3Δ	0.0	12				-55	125	4		M153a				
70	MIC324-1D1	4		MON			DTL	3Δ	0.0	15				-55	125	4		M153a				
71	MIC324-5D	4		MON			DTL	3Δ	0.0	12				-30	85	4		M153a				
72	MIC324-5D1	4		MON			DTL	3Δ	0.0	15				-30	85	4		M153a				
73	MIC325-1D	4		MON			DTL	3†	0.0	12				-55	125	4		M153a				
74	MIC325-1D1	4		MON			DTL	3†	0.0	15				-55	125	4		M153a				
75	MIC325-5D	4		MON			DTL	3†	0.0	12				-30	85	4		M153a				
76	MIC325-5D1	4		MON			DTL	3†	0.0	15				-30	85	4		M153a				
77	MIC326-1D	4		MON			DTL	3†	0.0	12				-55	125	4		M153a				
78	MIC326-1D1	4		MON			DTL	3†	0.0	15				-55	125	4		M153a				
79	MIC326-5D	4		MON			DTL	3†	0.0	12				-30	85	4		M153a				
80	MIC326-5D1	4		MON			DTL	3†	0.0	15				-30	85	4		M153a				
81	ML6400 #1	4					DTL	3								1	G0447	CN21				
82	ML6400 #2	4					DTL	3								1	G0447	CN22				
83	ML6400 #3	4					DTL	3								1	G0447	FP3				
84	ML6420 #1	4					DTL	3								2	G0448	CN22				
85	ML6420 #2	4					DTL	3								2	G0448	FP3				
86	ML6420 #3	4					DTL	3								2	G0448	FP3				
87	ML6430 #1	4					DTL	6								1	G0449	CN22				
88	ML6430 #2	4					DTL	6								1	G0449	FP3				
89	ML6430 #3	4					DTL	6								1	G0449	FP3				
90	RG3200K	4		MON			DTL	8	11	0.0	5	6.5n	22m	1.1	-55	125	1		FP28			
91	RG3200P	4		MON			DTL	8	11	0.0	5	6.5n	22m	1.1	-55	125	1		M105k			
92	RG3202K	4		MON			DTL	8	9	0.												

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL		TYPE	FAN OUT MAX.		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)		MAX. FALL TIME tf (s)		TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					3	4		IN	OUT	NEG. (V)	POS. (V)		TIME	TIME	LOW	HI			LOGIC DWG. No	OUTLINE DWG. No			
					'1' (V)	'0' (V)			MAX.				(s)	(s)	°C	°C			Δ=MO				
1	ST670A	4		MON			DTL	3	5	0.0	6.0	30n					60m	1.0 Δ	0	70	4	G0489h	M105
2	ST680A	4		MON			DTL	2	5	0.0	6.0	30n					80m	1.0 Δ	0	70	4	G0489g	M105
3	SW744-1F	4		MON			DTL	5Δ		0.0	5.0	30n%					44m†	1.0 Δ	-55	125	2	G0485e	TO86
4	SW744-1P	4		MON			DTL	5Δ		0.0	5.0	30n%					44m†	1.0 Δ	-55	125	2	G0485e	TO116
5	SW744-2F	4		MON			DTL	5Δ		0.0	5.0	30n%					44m†	800mΔ	0	75	2	G0485e	TO86
6	SW744-2M	4		MON			DTL	5Δ		0.0	5.0	30n%					44m†	800mΔ	0	75	2	G0485e	M105n
7	SW744-2P	4		MON			DTL	5Δ		0.0	5.0	30n%					44m†	800mΔ	0	75	2	G0485e	TO116
8	WC214G#1	4		MON			DTL	6	6†	0.0	6.0						9.5m	550m	0	75	1	G0458	TO70
9	WC214G#2	4		MON			DTL	6	6†	0.0	6.0						9.5m	550m	0	75	1	G0458	TO84
10	WC214T#1	4		MON			DTL	6	6†	0.0	6.0						9.5m	550m	0	75	1	G0458	TO70
11	WC214T#2	4		MON			DTL	6	6†	0.0	6.0						9.5m	550m	0	75	1	G0458	TO84
12	WC221G	4		MON			DTL	3	6†	0.0	6.0						19m	550m	0	75	1	G0462	TO84
13	WC241G	4		MON			DTL	4	6†	0	6						19m	550m	0	75	1		TO84
14	WM210G	4		MON			DTL	3	22†	0	8						60m†	550m	-55	125	2	G04205a	TO84
15	WM210Q	4		MON			DTL	3	22†	0	8						60m†	550m	-55	125	2	G04205a	TO91
16	WM210T	4		MON			DTL	3	22†	0	8						60m†	550m	-55	125	2	G04205a	CN18
17	WM211Q	4		MON			DTL	4	11	0.0	6.0						19m	550m*	-55	125	1	G0461	TO91
18	WM221Q	4		MON			DTL	3	11	0.0	6.0						19m	550m*	-55	125	1	G0462	TO91
19	WM224Q	4		MON			DTL	8	11	0.0	6.0						9.5m	550m*	-55	125	1	G0459	TO91
20	WM231Q	4		MON			DTL	4	11	0.0	6.0						19m	550m*	-55	125	1	G0463	TO91
21	WM231T	4		MON			DTL	4	11	0.0	6.0						19m	550m*	-55	125	1	G0463	TO70
22	WM241Q	4		MON			DTL	4	10	0.0	6.0						19m	550m*	-55	125	1	G0464	TO91
23	WM241T	4		MON			DTL	4	10	0.0	6.0						19m	550m*	-55	125	1	G0464	TO70
24	WM261Q	4		MON			DTL	4	10	0.0	6.0						19m	550m*	-55	125	1	G0463	TO91
25	WM261T	4		MON			DTL	4	10	0.0	6.0						19m	550m*	-55	125	1	G0463	TO70
26	WM296G	4		MON			DTL	1	10	0	6						66m	550m*	-55	125	2	G0468a	TO84
27	WM501G	4		MON			DTL	4	6	0.0	5.0						42m	750m*	-55	125	2	G04262	TO84
28	WM506G	4		MON			DTL	3	10	0	6						19m	750m*	-55	125	2	G0469	TO84
29	WM510	4		MON			DTL	5	27	0.0	5.0						10m	750m*	-55	125	1	B0440	TO84
30	WM510G	4		MON			DTL	5	27	0.0	6.0						20m	550m*	-55	125	2	G04205b	TO84
31	WM556G	4		MON			DTL	3	12	0.0	5.0						10m	750m*	-55	125	3	G0469	TO84
32	WS811Q	4		MON			DTL	3	10†	0.0	4.0						50mΔ	250m	-55	125	1	G0470	FP37
33	WS817Q	4		MON			DTL	3	25†	0.0	4.0						15m	250m	-55	125	1	G04205	FP37
34	RD200	4		MON		25	DTL	5Δ	12	0.0	5.0	7.5n					10m	1.2	-55	125	2	G04172	TO84
35	RD200-1	4		MON		25	DTL	5Δ	12	0.0	5.0	7.5n					10m	1.2	-55	125	2	G04172	CN14
36	NE8415A	4		MON		.35†	DTL	5		0	6	85n		75n			40m	1.4	0	75	2	G04325b	TO116
37	NE8415J	4		MON		.35†	DTL	5		0	6	85n		75n			40m	1.4	0	75	2	G04325c	TO88
38	NE8417A	4		MON		.35†	DTL	4Δ		0	6	85n		75n			40m	1.4	0	75	2	G04325	TO116
39	NE8417J	4		MON		.35†	DTL	4Δ		0	6	85n		75n			40m	1.4	0	75	2	G04325a	TO88
40	SE8415A	4		MON		.35†	DTL	5		0	6	85n		75n			40m	1.4	-55	125	2	G04325b	TO116
41	SE8415J	4		MON		.35†	DTL	5		0	6	85n		75n			40m	1.4	-55	125	2	G04325c	TO88
42	SE8417A	4		MON		.35†	DTL	4Δ		0	6	85n		75n			40m	1.4	-55	125	2	G04325	TO116
43	SE8417J	4		MON		.35†	DTL	4Δ		0	6	85n		75n			40m	1.4	-55	125	2	G04325a	TO88
44	MC1818P	4		MON		.45†	DTL	2	8	0.0	5.0	30n					40m	0	75	4	G04310f	M114	
45	Q481	4		MON		6.0	DTL	2	15	12	12	100n					250m	0	-55	125	1	G04184	M59
46	SDN21	4	300k	PCB	0.0	8.0	DTL	4†	10	12	12	75n	300n	1.0u			150m	1.5	-40	75	4		
47	SDN23	4	300k	PCB	0.0	8.0	DTL	3Δ	10	12	12	75n	300n	1.0u			350m	1.5	-40	75	5		G0439
48	SDN25	4	300k	PCB	0.0	8.0	DTL	2	10	12	12	75n	300n	1.0u			440m	1.5	-40	75	10		
49	SDN3	4	1.5M	PCB	0.0	8.0	DTL	3Δ	10	12	12	100n%	150n	250n			1.1	1.5	-40	75	10	G0439	CB10
50	SDN5	4	1.5M	PCB	0.0	8.0	DTL	2	10	12	12	100n%	150n	250n			1.4	1.5	-40	75	10	CB10	
51	EM2503	4	250k	3DM	0.0	-6.0	DTL	3	10	12	6.0	300n	300n	1.0u			354m	500m	-55	71	2	G0424	M62a
52	EM2503A	4	250k	3DM	0.0	-6.0	DTL	5	10	12	6.0	300n	300n	1.0u			177m	500m	-55	71	1	G0424a	M62a
53	NAND2M	4	1.0M	3DM	0.0	-6.0	DTL	3†	6	15	6.0	150n	200n	200n			350m	1.5	0	50	3	G0438a	
54	NAND2Z	4	1.0M	PCB	0.0	-6.0	DTL	3†	6	15	6.0	150n	200n	200n			1.0	1.5	0	50	9	G0438	CB14
55	Q431	4	1.0M	3DM	0.0	-6.0	DTL	3	4	12	12	100n	100n	300n			200m	1.0m	-20	65	1	G04183	M59
56	Q435	4	1.0M	3DM	0.0	-6.0	DTL	6	4	12	12	100n	100n	300n			200m	1.0m	-20	65	1	G04343	M59
57	EM2603	4	2.0M	3DM	0.0	-6.0	DTL	3	5	12	6	20n	25n	100n			360m	500m	-55	71	2	G0424	M62a
58	EM2603A	4	2.0M	3DM	0.0	-6.0	DTL	5	5	12	6	20n	25n	100n			185m	500m	-55	71	1	G0424a	M62a
59	EM3003	4	2.0M	3DM	0.0	-6.0	DTL	3	5	6	12	25n	20n	90n			300m	500m	-55	125	1	G04344	M62a
60	EM3003A	4	2.0M	3DM	0.0	-6.0	DTL	5	5	6	12	25n	20n	90n			324m	500m	-55	125	1	G04344a	M62a
61	DN25	4	100k	PCB	0.0	-10	DTL	2	10	12	6.0	120n	1.0u	4.0u			460m	1.5	-20	55	10		CB10
62	DN5	4	300k	PCB	0.0	-10	DTL	2	10	12	6.0	75n	300n	1.0u			125m	1.5	-20	55	10		CB10
63	DN5A	4	2.0M	PCB	0.0	-10	DTL	2	10	12	6	40n%	100n	250n			1.6	1.5	-20	55	10		CB10
64	DN6	4	5.0M	PCB	0.0	-10	DTL	2	10	12	6	20n%	100n	100n			1.6	1.5	-20	55	10		CB10
65	G12002	4		MON		.30	DTL	5	5	0.0	4.0	100n					1.0m	800m	-55	125	1	G04127	CN4
66	G12003	4		MON		.30	DTL	6	5	0.0	4.0	100n					1.0m	800m	-55	125	1	G04128	CN4
67	G42002	4		MON		.30	DTL	6	5	0.0	4.0	100n					1.0m	800m	-55	125	1	G04127	TO91
68	G42003	4		MON		.30	DTL	6	5	0.0	4.0	100n					1.0m	800m	-55	125	1	G04128	TO91
69	WM201G	4		MON		1.0*	DTL	3	11†	0	10						38m†	550m*	-55	125	2	G0428	TO84
70	WM201Q	4		MON		1.0*	DTL	3	11†	0	10						38m†	550m*	-55	125	2	G0428	TO91
71	WM201T	4		MON		1.0*	DTL	3	11†	0	10						38m†	550m*	-55	125	2	G0428	CN18

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN OUT		POWER SUPPLY		PROPAGATION DELAY (s)	RISE TIME tr (s)	FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					LEVEL	TYPE	IN	OUT MAX.	NEG. (V)	POS. (V)	LOW						HI	LOGIC DWG. No		OUTLINE DWG. No Δ=MO	
																					'1' (V)
1	SW930-2D	4		MON	1.8%	1.2*	DTL	5Δ	81	0.0	8.0	30n			16m	1.0	-55	125	2	G0492	T085
2	SW932-1D	4		MON	1.8%	1.2*	DTL	5Δ	251	0.0	8.0	35n			60m	1.0	0	75	2	G04207a	T085
3	SW932-2D	4		MON	1.8%	1.2*	DTL	5Δ	251	0.0	8.0	35n			60m	1.0	0	75	2	G04207a	T085
4	SW944-1D	4		MON	1.8%	1.2*	DTL	5Δ	271	0.0	8.0	25n			44m	1.0	-55	125	2	G04154	T085
5	SW944-2D	4		MON	1.8%	1.2*	DTL	5Δ	271	0.0	8.0	25n			44m	1.0	0	75	2	G04154	T085
6	SW946-1D	4		MON	1.8%	1.2*	DTL	2	81	0.0	8.0	30n			32m	1.0	-55	125	4	G04153a	T085
7	SW946-2D	4		MON	1.8%	1.2*	DTL	2	81	0.0	8.0	30n			32m	1.0	0	75	4	G04153a	T085
8	SW949-1D	4		MON	1.8%	1.2*	DTL	2	71	0.0	8.0	20n			48m	1.0	-55	125	4	G04153a	T085
9	SW949-2D	4		MON	1.8%	1.2*	DTL	2	71	0.0	8.0	20n			48m	1.0	0	75	4	G04153a	T085
10	SW957-1F	4		MON	1.8%	1.2*	DTL	2	251	0.0	5.0	35n			120m	1.0	-55	125	4	G04154e	T086
11	SW957-1P	4		MON	1.8%	1.2*	DTL	2	251	0.0	5.0	35n			120m	1.0	-55	125	4	G04154e	T0116
12	SW957-2F	4		MON	1.8%	1.2*	DTL	2	271	0.0	5.0	35n			120m	1.0	0	75	4	G04154e	T086
13	SW957-2M	4		MON	1.8%	1.2*	DTL	2	271	0.0	5.0	35n			120m	1.0	0	75	4	G04154e	M105n
14	SW957-2P	4		MON	1.8%	1.2*	DTL	2	271	0.0	5.0	35n			120m	1.0	0	75	4	G04154e	T0116
15	SW958-1F	4		MON	1.8%	1.2*	DTL	2	271	0.0	5.0	25n			88m	1.0	-55	125	4	G04376	T086
16	SW958-1P	4		MON	1.8%	1.2*	DTL	2	271	0.0	5.0	25n			88m	1.0	-55	125	4	G04376	T0116
17	SW958-2F	4		MON	1.8%	1.2*	DTL	2	271	0.0	5.0	25n			88m	1.0	0	75	4	G04376	T086
18	SW958-2M	4		MON	1.8%	1.2*	DTL	2	271	0.0	5.0	25n			88m	1.0	0	75	4	G04376	M105n
19	SW958-2P	4		MON	1.8%	1.2*	DTL	2	271	0.0	5.0	25n			88m	1.0	0	75	4	G04376	T0116
20	SW961-1D	4		MON	1.8%	1.2*	DTL	5Δ	71	0.0	8.0	20n			24m	1.0	-55	125	2	G0492	T085
21	SW961-2D	4		MON	1.8%	1.2*	DTL	5Δ	71	0.0	8.0	20n			24m	1.0	0	75	2	G0492	T085
22	SW962-1D	4		MON	1.8%	1.2*	DTL	3	81	0.0	8.0	30n			24m	1.0	-55	125	3	G0492b	T085
23	SW962-2D	4		MON	1.8%	1.2*	DTL	3	81	0.0	8.0	30n			24m	1.0	0	75	3	G0492b	T085
24	SW963-1D	4		MON	1.8%	1.2*	DTL	3	71	0.0	8.0	20n			36m	1.0	-55	125	3	G0492b	T085
25	SW963-2D	4		MON	1.8%	1.2*	DTL	3	71	0.0	8.0	20n			36m	1.0	0	75	3	G0492b	T085
26	SW1900F	4		MON	1.8%	1.2*	DTL	5	81	0.0	8.0	30n			16m	1.0	-55	125	2	G0427k	T086
27	SW1900P	4		MON	1.8%	1.2*	DTL	5	81	0.0	8.0	30n			16m	1.0	-55	125	2	G0427k	M114
28	SW1902F	4		MON	1.8%	1.2*	DTL	9	81	0.0	8.0	30n			8.0m	1.0	-55	125	1	G0427m	T086
29	SW1902P	4		MON	1.8%	1.2*	DTL	9	81	0.0	8.0	30n			8.0m	1.0	-55	125	1	G0427m	M114
30	SW1905F	4		MON	1.8%	1.2*	DTL	10	71	0.0	8.0	25n			12m	1.0	-55	125	1	G0427n	T086
31	SW1905P	4		MON	1.8%	1.2*	DTL	10	71	0.0	8.0	25n			12m	1.0	-55	125	1	G0427n	M114
32	MIC930-1B	4		MON	1.9%	1.1*	DTL	5Δ	8	0.0	5.5	80nΔ			32m	350m*	-55	125	2	G0427a	FP32
33	MIC930-1C	4		MON	1.9%	1.1*	DTL	3	8	0.0	5.5	80nΔ			32m	350m*	-55	125	2	G0427p	CN38
34	MIC930-1D	4		MON	1.9%	1.1*	DTL	5Δ	8	0.0	5.5	80nΔ			32m	350m*	-55	125	2	G0427a	M313b
35	MIC930-5B	4		MON	1.9%	1.1*	DTL	5Δ	8	0.0	5.5	80nΔ			40m	350m*	0	75	2	G0427a	FP32
36	MIC930-5C	4		MON	1.9%	1.1*	DTL	3	8	0.0	5.0	80nΔ			40m	350m*	0	75	2	G0427p	CN38
37	MIC930-5D	4		MON	1.9%	1.1*	DTL	5Δ	8	0.0	5.5	80nΔ			40m	350m*	0	75	2	G0427a	M313b
38	MIC932-1C	4		MON	1.9%	1.1*	DTL	3	25	0.0	5.5	80nΔ			133m	350m*	-55	125	2	G04154b	CN38
39	MIC932-1D	4		MON	1.9%	1.1*	DTL	5Δ	25	0.0	5.5	80nΔ			133m	350m*	-55	125	2	G04154a	M313b
40	MIC932-5C	4		MON	1.9%	1.1*	DTL	3	25	0.0	5.0	80nΔ			150m	350m*	0	75	2	G04154b	CN38
41	MIC932-5D	4		MON	1.9%	1.1*	DTL	5Δ	25	0.0	5.5	80nΔ			150m	350m*	0	75	2	G04154a	M313b
42	MIC933-1D	4		MON	1.9%	1.1*	DTL	4	20	0.0	5.5	80nΔ			350m*	-55	125	2	G06136	M313b	
43	MIC933-5D	4		MON	1.9%	1.1*	DTL	4	20	0.0	5.5	80nΔ			350m*	0	75	2	G06136	M313b	
44	MIC944-1C	4		MON	1.9%	1.1*	DTL	3	25	0.0	5.5	50nΔ			100m	350m*	-55	125	2	G0589b	CN38
45	MIC944-1D	4		MON	1.9%	1.1*	DTL	5Δ	25	0.0	5.5	50nΔ			100m	350m*	-55	125	2	G0589a	M313b
46	MIC944-5C	4		MON	1.9%	1.1*	DTL	3	25	0.0	5.0	50nΔ			100m	350m*	0	75	2	G0589b	CN38
47	MIC944-5D	4		MON	1.9%	1.1*	DTL	5Δ	25	0.0	5.5	50nΔ			100m	350m*	0	75	2	G0589a	M313b
48	MIC946-1B	4		MON	1.9%	1.1*	DTL	2	8	0.0	5.5	80nΔ			62m	350m*	-55	125	4	G04217a	FP32
49	MIC946-1C	4		MON	1.9%	1.1*	DTL	2	8	0.0	5.5	80nΔ			62m	350m*	-55	125	4	G04217a	CN38
50	MIC946-1D	4		MON	1.9%	1.1*	DTL	2	8	0.0	5.5	80nΔ			62m	350m*	-55	125	4	G04217a	M313b
51	MIC946-5B	4		MON	1.9%	1.1*	DTL	2	8	0.0	5.5	80nΔ			80m	350m*	0	75	4	G04217a	FP32
52	MIC946-5C	4		MON	1.9%	1.1*	DTL	2	8	0.0	5.0	80nΔ			80m	350m*	0	75	4	G04217a	CN38
53	MIC946-5D	4		MON	1.9%	1.1*	DTL	2	8	0.0	5.5	80nΔ			80m	350m*	0	75	4	G04217a	M313b
54	MIC949-1B	4		MON	1.9%	1.1*	DTL	2	7	0.0	5.5	50nΔ			109m	350m*	-55	125	4	G04217a	FP32
55	MIC949-1C	4		MON	1.9%	1.1*	DTL	2	7	0.0	5.5	50nΔ			109m	350m*	-55	125	4	G04217a	CN38
56	MIC949-1D	4		MON	1.9%	1.1*	DTL	2	7	0.0	5.5	50nΔ			109m	350m*	-55	125	4	G04217a	M313b
57	MIC949-5B	4		MON	1.9%	1.1*	DTL	2	7	0.0	5.5	50nΔ			117m	350m*	0	75	4	G04217a	FP32
58	MIC949-5C	4		MON	1.9%	1.1*	DTL	2	7	0.0	5.0	50nΔ			117m	350m*	0	75	4	G04217a	CN38
59	MIC949-5D	4		MON	1.9%	1.1*	DTL	2	7	0.0	5.5	50nΔ			117m	350m*	0	75	4	G04217a	M313b
60	MIC961-1B	4		MON	1.9%	1.1*	DTL	5Δ	7	0.0	5.5	50nΔ			54m	350m*	-55	125	2	G0427a	FP32
61	MIC961-1C	4		MON	1.9%	1.1*	DTL	3	7	0.0	5.5	50nΔ			54m	350m*	-55	125	2	G0427p	CN38
62	MIC961-1D	4		MON	1.9%	1.1*	DTL	5Δ	7	0.0	5.5	50nΔ			54m	350m*	-55	125	2	G0427a	M313b
63	MIC961-5B	4		MON	1.9%	1.1*	DTL	5Δ	7	0.0	5.5	50nΔ			59m	350m*	0	75	2	G0427a	FP32
64	MIC961-5C	4		MON	1.9%	1.1*	DTL	5Δ	7	0.0	5.5	50nΔ			59m	350m*	0	75	2	G0427p	CN38
65	MIC961-5D	4		MON	1.9%	1.1*	DTL	5Δ	7	0.0	5.5	50nΔ			59m	350m*	0	75	2	G0427a	M313b
66	MIC962-1C	4		MON	1.9%	1.1*	DTL	3	8	0.0	5.5	80nΔ			48m	350m*	-55	125	3	G04217b	CN38
67#	MIC962-1D	4		MON	1.9%	1.1*	DTL	3	8	0.0	5.0	80nΔ			60m	350m*	0	75	3	G04217b	M313b
68	MIC962-5B	4		MON	1.9%	1.1*	DTL	3	8	0.0	5.5	80nΔ			60m	350m*	0	75	3	G04217b	FP32
69	MIC962-5C	4		MON	1.9%	1.1*	DTL	3	8	0.0	5.0	80nΔ			60m	350m*	0	75	3	G04217b	CN38
70	MIC962-5D	4		MON	1.9%	1.1*	DTL	3	8	0.0	5.5	80nΔ			60m	350m*	0	75	3	G04217b	M313b
71	MIC963-1C	4		MON	1.9%	1.1*	DTL	3	7	0.0	5.5	50nΔ			81m	350m*	-55	125	3	G04217b	CN38
72	MIC963-5B	4		MON	1.9%	1.1*	DTL	3	7	0.0	5.0	50nΔ			88m	350m*	0	75	3	G04217b	FP32
73																					

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN IN	OUT MAX.	POWER SUPPLY SPAN		PROPAGATION DELAY (s)	RISE TIME (tr)	FALL TIME (tf)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					LEVEL	TYPE	IN			NEG. (V)	POS. (V)						LOW	HI		LOGIC DWG. No	OUTLINE DWG. No
1	RC286G	4		MON	2.0%	1.0*	DTL	1	11	0	6.0	48n			66m	550m	0	75	6	G0428t	T084
2	RC286P	4		MON	2.0%	1.0*	DTL	1	11	0	6.0	48n			66m	550m	0	75	6		M105m
3	RC296D	4		MON	2.0%	1.0*	DTL	1	11	0	6.8	48n			66m	550m	0	75	6	G0428t	M105k
4	RC296G	4		MON	2.0%	1.0*	DTL	1	11	0	6.0	48n			66m	550m	0	75	6	G0428t	T084
5	RC296P	4		MON	2.0%	1.0*	DTL	1	11	0	6.0	48n			66m	550m	0	75	6	G0428t	M105m
6	RC6175G	4		MON	2.0%	1.0*	DTL	1	11	0	6.0	48n			66m	550m	0	75	6	G0428t	T084
7	RC6176G	4		MON	2.0%	1.0*	DTL	1	11	0	6.0	48n			66m	550m	0	75	6	G0428t	T084
8	RM210D	4		MON	2.0%	1.0*	DTL	3	19	0	6.0	75n			40m	550m	-55	125	2		M105k
9	RM210G	4		MON	2.0%	1.0*	DTL	3	19	0	6.0	75n			40m	440m	-55	125	2	G0437	T084
10	RM210P	4		MON	2.0%	1.0*	DTL	3	19	0	6.0	75n			40m	550m	-55	125	2		M105m
11	RM220D	4		MON	2.0%	1.0*	DTL	3	19	0	6.0	75n			40m	550m	-55	125	2	G0437	TO101
12	RM220G	4		MON	2.0%	1.0*	DTL	4Δ	19	0	6.0	75n			40m	550m	-55	125	2		M105k
13	RM220P	4		MON	2.0%	1.0*	DTL	4Δ	19	0	6.0	75n			40m	550m	-55	125	2		T084
14	RM220T	4		MON	2.0%	1.0*	DTL	4Δ	19	0	6.0	75n			40m	550m	-55	125	2		M105m
15	RM286D	4		MON	2.0%	1.0*	DTL	4Δ	19	0	6.0	75n			40m	550m	-55	125	2	G0437b	TO101
16	RM286G	4		MON	2.0%	1.0*	DTL	1	11	0	6.0	48n			66m	550m	-55	125	6		M105k
17	RM286P	4		MON	2.0%	1.0*	DTL	1	11	0	6.0	48n			66m	550m	-55	125	6	G0428t	T084
18	RM296D	4		MON	2.0%	1.0*	DTL	1	11	0	6.0	48n			66m	550m	-55	125	6		M105m
19	RM296G	4		MON	2.0%	1.0*	DTL	1	11	0	6.0	48n			66m	550m	-55	125	6	G0428t	M105k
20	RM296P	4		MON	2.0%	1.0*	DTL	1	11	0	6.0	48n			66m	550m	-55	125	6	G0428t	T084
21	RM957P	4		MON	2.0%	1.0*	DTL	2	25	0	5.0	35n			180m	500m	-55	125	4	G0428t	M105m
22	RM958P	4		MON	2.0%	1.0*	DTL	2	27	0	5.0	30n			140m	500m	-55	125	4		M105k
23	RM1900D	4		MON	2.0%	1.0*	DTL	4	8	0	5.0	30n			44m	500m	-55	125	2		M105m
24	RM1900J	4		MON	2.0%	1.0*	DTL	4	8	0	5.0	30n			44m	500m	-55	125	2		FP28
25	RM1900P	4		MON	2.0%	1.0*	DTL	4	8	0	5.0	30n			44m	500m	-55	125	2		M105k
26	RM1901D	4		MON	2.0%	1.0*	DTL	4	7	0	5.0	25n			66m	500m	-55	125	2		M105m
27	RM1901J	4		MON	2.0%	1.0*	DTL	4	7	0	5.0	25n			66m	500m	-55	125	2		FP28
28	RM1901P	4		MON	2.0%	1.0*	DTL	4	7	0	5.0	25n			66m	500m	-55	125	2		M105k
29	RM1902D	4		MON	2.0%	1.0*	DTL	7	8	0	5.0	30n			11m	500m	-55	125	1		M105m
30	RM1902J	4		MON	2.0%	1.0*	DTL	7	8	0	5.0	30n			11m	500m	-55	125	1		FP28
31	RM1902P	4		MON	2.0%	1.0*	DTL	7	8	0	5.0	30n			11m	500m	-55	125	1		M105k
32	RM1903D	4		MON	2.0%	1.0*	DTL	7	7	0	5.0	25n			16m	500m	-55	125	1		M105m
33	RM1903J	4		MON	2.0%	1.0*	DTL	7	7	0	5.0	25n			16m	500m	-55	125	1		FP28
34	RM1903P	4		MON	2.0%	1.0*	DTL	7	7	0	5.0	25n			16m	500m	-55	125	1		M105k
35	RM1904D	4		MON	2.0%	1.0*	DTL	8	8	0	5.0	30n			11m	500m	-55	125	1		M105m
36	RM1904J	4		MON	2.0%	1.0*	DTL	8	8	0	5.0	30n			11m	500m	-55	125	1		FP28
37	RM1904P	4		MON	2.0%	1.0*	DTL	8	8	0	5.0	30n			11m	500m	-55	125	1		M105k
38	RM1905D	4		MON	2.0%	1.0*	DTL	7	7	0	5.0	25n			16m	500m	-55	125	1		M105m
39	RM1905J	4		MON	2.0%	1.0*	DTL	7	7	0	5.0	25n			16m	500m	-55	125	1		FP28
40	RM1905P	4		MON	2.0%	1.0*	DTL	7	7	0	5.0	25n			16m	500m	-55	125	1		M105k
41	RM6175G	4		MON	2.0%	1.0*	DTL	1	11	0	6.0	48n			66m	550m	-55	125	6	G0428t	T084
42	RM6176G	4		MON	2.0%	1.0*	DTL	1	11	0	6.0	48n			66m	550m	-55	125	6	G0428t	T084
43	MIC962-1B	4		MON	2.0%	1.1*	DTL	3	8	0.0	5.5	80nΔ			48m	550m*	-55	125	3	G04217b	FP32
44	MIC963-1B	4		MON	2.0%	1.1*	DTL	3	7	0	5.5	50nΔ			81.1m	350m*	-55	125	3	G04217b	FP32
45	MIC963-1D	4		MON	2.0%	1.1*	DTL	3	7	0	5.5	50nΔ			81.1m	350m*	-55	125	3	G04217b	M313b
46	PL930	4		MON	2.0	1.1	DTL	5Δ	7	0.0	5.0	50			81.1m	350m*	-55	125	2	G04153	T086
47	PL932	4		MON	2.0	1.1	DTL	5Δ	7	0.0	5.0	50			81.1m	350m*	-55	125	2	G04153a	T086
48	PL946	4		MON	2.0	1.1	DTL	2	2	0.0	5.0	50				500m	-55	125	4	G04154a	T086
49	PL961	4		MON	2.0	1.1	DTL	5Δ	3	0.0	5.0	50				500m	-55	125	2	G04153a	T086
50	PL962	4		MON	2.0	1.1	DTL	3	3	0.0	5.0	50				500m	-55	125	4	G04153	T086
51	PL963	4		MON	2.0	1.1	DTL	3	3	0.0	5.0	50				500m	-55	125	3	G04153c	T086
52	PL9930	4		MON	2.0	1.1	DTL	5Δ	2	0.0	5.0	50				500m	-55	125	2	G0492f	T086
53	PL9932	4		MON	2.0	1.1	DTL	5Δ	2	0.0	5.0	50				500m	-55	125	2	G04154a	T086
54	PL9944	4		MON	2.0	1.1	DTL	5Δ	2	0.0	5.0	50				500m	-55	125	2	G04154	T086
55	PL9946	4		MON	2.0	1.1	DTL	2	2	0.0	5.0	50				500m	-55	125	4	G04929	T086
56	PL9961	4		MON	2.0	1.1	DTL	5Δ	3	0.0	5.0	50				500m	-55	125	2	G0492f	T086
57	PL9962	4		MON	2.0	1.1	DTL	3	3	0.0	5.0	50				500m	-55	125	3	G0492j	T086
58	PL9963	4		MON	2.0	1.1	DTL	3	3	0.0	5.0	50				500m	-55	125	3	G0492j	T086
59	SI832	4		MON	2.0	1.1	DTL	5Δ	2	0	5	80nΔ				500m	-55	125	3	G0492j	T086
60	SI844	4		MON	2.0	1.1	DTL	5Δ	2	0	5.5	50n				500m	-55	125	3	G04154c	T084
61	SI932	4		MON	2.0	1.1	DTL	5Δ	2	0	5	8nΔ				500m	-55	125	2	G04154c	T084
62	SI944	4		MON	2.0	1.1	DTL	5Δ	2	0	5.5	50n				500m	-55	125	2	G04154c	T084
63	ICD0205	4	5.0M	PCB	2.0%	1.1*	DTL	5Δ	1	0	5	80nΔ			230m	500m	0	75	4		CB51
64	ICD2205	4	5.0M	PCB	2.0%	1.1*	DTL	5Δ	1	0	5	80nΔ			230m	500m	0	75	4		CB51
65	ICD2270	4	5.0M	PCB	2.0%	1.1*	DTL	3	1	0	5	50nΔ			460m	500m	0	75	8		CB51

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX.		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					LEVEL	TYPE	IN	OUT MAX.	NEG. (V)	POS. (V)	RISE TIME tr (s)		FALL TIME tf (s)	LOW			HI	LOGIC DWG. No		OUTLINE DWG. No	
																					3
1	WC234G	4	5.0M	MON	2.1	1.1	DTL	10Δ	8t	0	6	35n			21m	700m	0	75	1	G0469c	T084
2	WC234T	4	5.0M	MON	2.1	1.1	DTL	9Δ	8t	0	6	35n			21m	700m	0	75	1		CN18
3	WC236D	4	5.0M	MON	2.1	1.1	DTL	3	8t	0	6	35n			63m	700m	0	75	3		TO116
4	WC236G	4	5.0M	MON	2.1	1.1	DTL	3	8t	0	6	35n			63m	700m	0	75	3	G0464g	T084
5	WC246D	4	5.0M	MON	2.1	1.1	DTL	2	8t	0	6	35n			48m	700m	0	75	4		TO116
6	WC246G	4	5.0M	MON	2.1	1.1	DTL	2	8t	0	6	35n			48m	700m	0	75	4	G0428n	T084
7	WC261D	4	5.0M	MON	2.1	1.1	DTL	5Δ	8t	0	6	35n			42m	700m	0	75	2		TO116
8	WC261G	4	5.0M	MON	2.1	1.1	DTL	5Δ	8t	0	6	35n			42m	700m	0	75	2	G0464d	T084
9	WC266D	4	5.0M	MON	2.1	1.1	DTL	2	8t	0	6	35n			84m	700m	0	75	4		TO116
10	WC266G	4	5.0M	MON	2.1	1.1	DTL	2	8t	0	6	35n			84m	700m	0	75	4	G0464e	T084
11	WC286D	4	5.0M	MON	2.1	1.1	DTL	1	8t	0	6	35n			700m	700m	0	75	6		TO116
12	WC286G	4	5.0M	MON	2.1	1.1	DTL	1	8t	0	6	35n			700m	700m	0	75	6	G0428t	T084
13	WC296D	4	5.0M	MON	2.1	1.1	DTL	6	8t	0	6	35n			126m	700m	0	75	6		TO116
14	WC296G	4	5.0M	MON	2.1	1.1	DTL	6	8t	0	6	35n			126m	700m	0	75	6		T084
15	GG851	4	5.0M	PCB	2.2	.70*	DTL	1	8	0	5	50n			350m	400m	0	75	18		CB[]
16	GG852	4	5.0M	PCB	2.2	.70*	DTL	2	8	0	5	50n			240m	400m	0	75	12		CB[]
17	GG853	4	5.0M	PCB	2.2	.70*	DTL	3	8	0	5	50n			180m	400m	0	75	9		CB[]
18	GG854	4	5.0M	PCB	2.2	.70*	DTL	8t	8	0.0	5.0	50n			270m	400m	0	75	6		CB[]
19	GG859	4	5.0M	PCB	2.2	.70*	DTL	4	8	0	5	50n			160m	400m	0	75	8		CB[]
20	GG860	4	5.0M	PCB	2.2	.70*	DTL	4	8	0	5	50n			160m	400m	0	75	8		CB[]
21	TG807	4	5.0M	PCB	2.2	.70*	DTL	2	8	0	5	50n			400m	400m	0	75	16		CB[]
22#	FFH122A2	4		MON	2.4	.40*	DTL	5Δ	25	8.0	8	45n			28m	1.0	-55	125	1	G04226	TO74
23#	FFH122C1	4		MON	2.4	.40*	DTL	5Δ	25	8.0	8	45n			28m	1.0	-55	125	1	G04226	TO91
24	9949FC	4		MON	2.6	.401*	DTL	2	7	0.0	8.0	36n			36m	1.1	0	75	4	G0492a	FP28
25	9961FC	4		MON	2.6	.401*	DTL	5Δ	7	0.0	8.0	36n			17m	1.1	0	75	2	G0492b	FP28
26	9963FC	4		MON	2.6	.401*	DTL	3	7	0.0	8.0	36n			25m	0	75	3	G0492b	FP28	
27#	D930-1R	4		MON	2.6	.40Δ*	DTL	5Δ	8	0.0	5.0	25n			9.0mΔ	1.0	-55	125	2	G04217	TO116
28#	D930-1U	4		MON	2.6	.40Δ*	DTL	5Δ	8	0.0	5.0	25n			9.0mΔ	1.0	-55	125	2	G04217	FP32
29#	D932-1R	4		MON	2.6	.40Δ*	DTL	5Δ	25	0.0	5.0	40n			28mΔ	1.0	-55	125	2	G04207a	TO116
30#	D932-1U	4		MON	2.6	.40Δ*	DTL	5Δ	25	0.0	5.0	40n			28mΔ	1.0	-55	125	2	G04207a	FP32
31#	D944-1R	4		MON	2.6	.40Δ*	DTL	5Δ	27%	0.0	5.0	40n			30mΔ	1.0	-55	125	2	G04312a	TO116
32#	D944-1U	4		MON	2.6	.40Δ*	DTL	5Δ	27%	0.0	5.0	40n			30mΔ	1.0	-55	125	2	G04312a	FP32
33#	D946-1R	4		MON	2.6	.40Δ*	DTL	2	8	0.0	5.0	25n			9.0mΔ	1.0	-55	125	4	G04217a	TO116
34#	D946-1U	4		MON	2.6	.40Δ*	DTL	2	8	0.0	5.0	25n			9.0mΔ	1.0	-55	125	4	G04217a	FP32
35#	D962-1R	4		MON	2.6	.40Δ*	DTL	3	8	0.0	5.0	25n			9.0mΔ	1.0	-55	125	3	G04217b	TO116
36#	D962-1U	4		MON	2.6	.40Δ*	DTL	3	8	0.0	5.0	25n			9.0mΔ	1.0	-55	125	3	G04217b	FP32
37#	DN1930	4		MON	2.6	.40*	DTL	5Δ	8	0.0	5.0	25n%			8.5mΔ	1.0 Δ	0	75	2	G0492	TO116
38#	DN1932	4		MON	2.6	.40*	DTL	5Δ	25	0.0	5.0	35n%			26mΔ	1.0 Δ	0	75	2	G04207a	TO116
39#	DN1944	4		MON	2.6	.40*	DTL	5Δ	27	0.0	5.0	40n%			20mΔ	1.0 Δ	0	75	2	G04154b	TO116
40#	DN1946	4		MON	2.6	.40*	DTL	2	8	0.0	5.0	25n%			8.5mΔ	1.0 Δ	0	75	4	G0492a	TO116
41#	DN1949	4		MON	2.6	.40*	DTL	2	7	0.0	5.0	20n%			12mΔ	1.0 Δ	0	75	4	G0492a	TO116
42#	DN1961	4		MON	2.6	.40*	DTL	5Δ	7	0.0	5.0	20n%			12mΔ	1.0 Δ	0	75	2	G0492	TO116
43#	DN1962	4		MON	2.6	.40*	DTL	3	8	0.0	5.0	25n%			8.5mΔ	1.0 Δ	0	75	3	G0492b	TO116
44#	DN1963	4		MON	2.6	.40*	DTL	3	7	0.0	5.0	20n%			12mΔ	1.0 Δ	0	75	3	G0492b	TO116
45	HDD930R	4		MON	2.6	.401*	DTL	5Δ	9	0.0	8.0	30n			33m	1.0	-55	125	2	G041e	TO86
46	HDD932R	4		MON	2.6	.401*	DTL	5Δ	22	0.0	8.0	20n			135m	1.0	-55	125	2	G04218	TO86
47	HDD944R	4		MON	2.6	.401*	DTL	5Δ	22	0.0	8.0	15n			100m	1.0	-55	125	2	G04218a	TO86
48	HDD946R	4		MON	2.6	.401*	DTL	2	9	0.0	8.0	30n			63m	1.0	-55	125	4	G0427	TO86
49	HDD962R	4		MON	2.6	.401*	DTL	3	9	0.0	8.0	30n			50m	1.0	-55	125	3	G0492b	TO86
50	MCE930F	4		MON	2.6	.401*	DTL	5Δ	8	0.0	5.0	50n			22mΔ	1.0	-55	125	2	G0427a	TO86
51	MCE932F	4		MON	2.6	.401*	DTL	5Δ	25	0.0	5.0	50n			85mΔ	1.0	-55	125	2	G04207a	TO86
52	MCE946F	4		MON	2.6	.401*	DTL	2	8	0.0	5.0	80n			44m	1.0	-55	125	4	G0492a	TO85
53	CD2300-930	4	5.0M%	MON	2.6	.401*	DTL	5Δ	8	0.0	5.0	25n%	30n	80n	16mΔ	1.0 Δ	-55	125	2	G04354	FP44a
54	CD2300D930	4	5.0M%	MON	2.6	.401*	DTL	5Δ	8	0.0	5.0	25n%	30n	80n	16mΔ	1.0 Δ	-55	125	2	G04354	TO116
55	CD2302-946	4	5.0M%	MON	2.6	.401*	DTL	5Δ	8	0.0	5.0	25n%	30n	80n	16mΔ	1.0 Δ	-55	125	4	G04354a	FP44a
56	CD2302D946	4	5.0M%	MON	2.6	.401*	DTL	5Δ	8	0.0	5.0	25n%	30n	80n	16mΔ	1.0 Δ	-55	125	4	G04354a	TO116
57	CD2306-932	4	5.0M%	MON	2.6	.401*	DTL	5Δ	25	0.0	5.0	25n%	40n	80n	133mΔ	1.0 Δ	-55	125	2	G04355	FP44a
58	CD2306D932	4	5.0M%	MON	2.6	.401*	DTL	5Δ	25	0.0	5.0	25n%	40n	80n	133mΔ	1.0 Δ	-55	125	2	G04355	TO116
59	CD2307-944	4	5.0M%	MON	2.6	.401*	DTL	5Δ	27	0.0	5.0	25n%	35n	50n	100mΔ	1.0 Δ	-55	125	2	G04355a	FP44a
60	CD2307D944	4	5.0M%	MON	2.6	.401*	DTL	5Δ	27	0.0	5.0	25n%	35n	50n	100mΔ	1.0 Δ	-55	125	2	G04355a	TO116
61	CD2308-962	4	5.0M%	MON	2.6	.401*	DTL	5Δ	8	0.0	5.0	25n%	30n	80n	16mΔ	1.0 Δ	-55	125	3	G04354b	FP44a
62	CD2308D962	4	5.0M%	MON	2.6	.401*	DTL	5Δ	8	0.0	5.0	25n%	30n	80n	16mΔ	1.0 Δ	-55	125	3	G04354b	TO116
63#	D930-9R	4		MON	2.6	.45Δ*	DTL	5Δ	8	0.0	5.0	25n			9.0mΔ	1.0	0	75	2	G04217	TO116
64#	D930-9U	4		MON	2.6	.45Δ*	DTL	5Δ	8	0.0	5.0	25n			9.0mΔ	1.0	0	75	2	G04217	FP32
65#	D932-9R	4		MON	2.6	.45Δ*	DTL	5Δ	25	0.0	5.0	40n			28mΔ	1.0	0	75	2	G04207a	TO116
66#	D932-9U	4		MON	2.6	.45Δ*	DTL	5Δ	25	0.0	5.0	40n			28mΔ	1.0	0	75	2	G04207a	FP32
67#	D944-9R	4		MON	2.6	.45Δ*	DTL	5Δ	27%	0.0	5.0	40n			30mΔ	1.0	0	75	2	G04312a	TO116
68#	D944-9U	4		MON	2.6	.45Δ*	DTL	5Δ	27%	0.0	5.0	40n			30mΔ	1.0	0	75	2	G04312a	FP32
69#	D946-9R	4		MON	2.6	.45Δ*	DTL	2	8	0.0	5.0	25n			9.0mΔ	1.0	0	75	4	G04217a	TO116
70#	D946-9U	4		MON	2.6	.45Δ*	DTL	2	8	0.0	5.0	25n			9.0mΔ	1.0	0	75	4	G04217a	FP32
71#	D962-9R	4		MON	2.6	.45Δ*	DTL	3	8	0.0	5.0	25n			9.0mΔ	1.0	0	75	3	G04217b	TO116
72#	D962-9U	4		MON	2.6	.45Δ*	DTL	3	8	0.0	5.0	25n			9.0mΔ	1.0	0	75	3		

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN IN		POWER SUPPLY SPAN (V)	PROPAGA-TION DELAY (s)	MAX. RISE TIME		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					LEVEL	TYPE	IN	OUT MAX.	tr (s)			tf (s)	LOW			HI	LOGIC DWG. No		OUTLINE DWG. No	
																				'1' (V)
1	DN33	4	5.0M	PCB	3.0	0.0	DTL	5†	30	0	4	20n	30n	90n	150m	2.0	-40	70	7	CB10a
2	DN34	4	5.0M	PCB	3.0	0.0	DTL	10	30	0	4	20n	30n	90n	60m	2.0	-40	70	3	CB10a
3	DN35#	4	5.0M	PCB	3.0	0.0	DTL	3	30	0	4	20n	30n	90n	205m	2.0	-40	70	9	CB10a
4	DN36	4	5.0M	PCB	3.0	0.0	DTL	5	30	0	4	20n	30n	90n	120m	2.0	-40	70	6	CB10a
5	PD9180-51	4		MON	3.0	.20	DTL	5	8	0.0	8.0	30n	30n	40mt	1.0	-55	125	2	G0427k	
6	PD9180-59	4		MON	3.0	.20	DTL	2	27	0.0	8.0	30n	30n	40mt	1.0	-55	125	4	G04376	
7	PD9858-51	4		MON	3.0	.20	DTL	2	27	0.0	8.0	30n	30n	130mt	1.0	-55	125	4	G04376	
8	PD9858-59	4		MON	3.0	.20	DTL	2	27	0.0	8.0	30n	30n	130mt	1.0	-55	125	4	G04376	
9	PD9180-51	4		MON	3.0	.20	DTL	5	8	0.0	8.0	30n	30n	40mt	1.0	-55	125	4	G0427k	
10	PL9858-51	4		MON	3.0	.20	DTL	2	27	0.0	8.0	30n	30n	130mt	1.0	-55	125	4	T086	
11	PL9858-59	4		MON	3.0	.20	DTL	2	27	0.0	8.0	30n	30n	130mt	1.0	-55	125	4	T086	
12	SW1904M	4		MON	3.0	.20	DTL	10	8	0.0	8.0	30n	30n	11mt	1.0	-55	125	4	M105n	
13	SW1904P	4		MON	3.0	.20	DTL	10	8	0.0	8.0	30n	30n	11mt	1.0	-55	125	4	T0116	
14#	FFH1131A2	4		MON	3.0%	.40*	DTL	4	25	1.5	4.5	45n	28m	1.0	0	75	1	G04140		
15#	FFH1131C1	4		MON	3.0%	.40*	DTL	4	25	1.5	4.5	45n	28m	1.0	0	75	1	T074		
16#	FFH1132A2	4		MON	3.0%	.40*	DTL	4	25	1.5	4.5	45n	28m	1.0	-55	125	1	T091		
17#	PL9132C1	4		MON	3.0%	.40*	DTL	4	25	1.5	4.5	45n	28m	1.0	-55	125	1	T074		
18	PL9180-59	4		MON	3.0	.20	DTL	5	8	0.0	8.0	30n	40mt	1.0	0	75	2	T091		
19	NE416A	4		MON	3.2%	.35†*	DTL	5Δ	7†	0	6	65n	18m	1.0 Δ	0	70	2	T086		
20	NE416J	4		MON	3.2%	.35†*	DTL	5Δ	7†	0	6	65n	18m	1.0 Δ	0	70	2	M105b		
21	NE417A	4		MON	3.2%	.35†*	DTL	4Δ	7	0	6	35n	18m	1.0 Δ	0	70	2	T086		
22	CD2200D	4		MON	3.4	.10	DTL	5Δ	6	0	6.8	55n	9.2mt	1.2 Δ	-55	125	2	M135		
23	CD2201D	4		MON	3.4	.10	DTL	2	6	0	6.8	55n	9.2mt	1.2 Δ	-55	125	4	M135		
24	CD2202D	4		MON	3.4	.15	DTL	5Δ	25	0	6.8	48n	24mt	1.2 Δ	-55	125	2	M135		
25#	SFC301M	4		MON	3.5%	.45*	DTL	4	6	0	8	25n	10mt	-55	125	1	T0100			
26#	SFC301PM	4		MON	3.5%	.45*	DTL	4	6	0	8	25n	10mt	-55	125	1	T091			
27#	SFC310M	4		MON	3.5%	.45*	DTL	3	22	0	8	25n	10mt	-55	125	1	T0100			
28#	SFC310PM	4		MON	3.5%	.45*	DTL	3	22	0	8	25n	10mt	-55	125	1	T091			
29#	SFC315M	4		MON	3.5%	.45*	DTL	2	6	0	8	25n	20mt	-55	125	2	T0100			
30#	SFC315PM	4		MON	3.5%	.45*	DTL	2	6	0	8	25n	20mt	-55	125	2	T091			
31#	SFC330M	4		MON	3.5%	.45*	DTL	3	6	0.0	8.0	25n	20mt	-55	125	2	T0100			
32#	SFC330PM	4		MON	3.5%	.45*	DTL	3	6	0.0	8.0	25n	20mt	-55	125	2	T091			
33#	SFC331M	4		MON	3.5%	.45*	DTL	3	6	0.0	8.0	25n	20mt	-55	125	2	T0100			
34#	SFC331PM	4		MON	3.5%	.45*	DTL	3	6	0.0	8.0	25n	20mt	-55	125	2	T091			
35#	SFC350M	4		MON	3.5%	.45*	DTL	2	22	0	8	25n	10mt	-55	125	1	T0100			
36#	SFC350PM	4		MON	3.5%	.45*	DTL	2	22	0	8	25n	10mt	-55	125	1	T091			
37	NE8416A	4		MON	3.6%	.35†*	DTL	5Δ	7	0	6	60n	75n	45m	1.4	0	75	2	T0116	
38	NE8416J	4		MON	3.6%	.35†*	DTL	5Δ	7	0	6	60n	75n	45m	1.4	0	75	2	T088	
39	SE8416A	4		MON	3.6%	.35†*	DTL	5Δ	7	0	6	60n	75n	45m	1.4	-55	125	2	T0116	
40	SE8416J	4		MON	3.6%	.35†*	DTL	5Δ	7	0	6	60n	75n	45m	1.4	-55	125	2	T088	
41	CD2301-961	4	5.0M%	MON	3.8%	.40†*	DTL	5Δ	7	0.0	5.0	25n%	30n	50n	27mt	1.0 Δ	-55	125	2	FP44a
42	CD2301D961	4	5.0M%	MON	3.8%	.40†*	DTL	5Δ	7	0.0	5.0	25n%	30n	50n	27mt	1.0 Δ	-55	125	2	T0116
43	CD2303-949	4	5.0M%	MON	3.8%	.40†*	DTL	5Δ	7	0.0	5.0	25n%	30n	50n	27mt	1.0 Δ	-55	125	4	FP44a
44	CD2303D949	4	5.0M%	MON	3.8%	.40†*	DTL	5Δ	7	0.0	5.0	25n%	30n	50n	27mt	1.0 Δ	-55	125	4	T0116
45	CD2309-963	4	5.0M%	MON	3.8%	.40†*	DTL	5Δ	7	0.0	5.0	25n%	30n	50n	27mt	1.0 Δ	-55	125	3	FP44a
46	CD2309D963	4	5.0M%	MON	3.8%	.40†*	DTL	5Δ	7	0.0	5.0	25n%	30n	50n	27mt	1.0 Δ	-55	125	3	T0116
47	CS715K	4		MON	3.9%	.41*	DTL	3Δ	15	0	8	35n	10n	10n	7.5m	1.0	-55	125	2	T091
48#	FFH102A2	4		MON	3.9%	.40*	DTL	5Δ	5	8.0	8.0	20n	7.5m	1.0	-55	125	1	T074		
49#	FFH102C1	4		MON	3.9%	.40*	DTL	5Δ	5	8.0	8.0	20n	7.5m	1.0	-55	125	1	T091		
50#	FFH112A2	4		MON	3.9%	.40*	DTL	3†	5	8.0	8	20n	15m	1.0	-55	125	2	T074		
51#	FFH112C1	4		MON	3.9%	.40*	DTL	3†	5	8.0	8	20n	15m	1.0	-55	125	2	T091		
52#	FFH141A2	4		MON	3.9%	.40*	DTL	2	5	1.5	4.5	24n	15m	1.0	0	75	2	T074		
53#	FFH141C1	4		MON	3.9%	.40*	DTL	2	5	1.5	4.5	24n	15m	1.0	0	75	2	T091		
54#	FFH142A2	4		MON	3.9%	.40*	DTL	2	5	8.0	8	20n	15m	1.0	-55	125	2	T074		
55#	FFH142C1	4		MON	3.9%	.40*	DTL	2	5	8.0	8	20n	15m	1.0	-55	125	2	T091		
56	NE156A	4		MON	3.9%	.45†*	DTL	5Δ	19	0	6.2	80nΔ	68mt	0	0	70	2	T0116		
57	NE156J	4		MON	3.9%	.45†*	DTL	5Δ	19	0	6.2	80nΔ	68mt	0	0	70	2	T088		
58	NE157K	4		MON	3.9%	.45†*	DTL	3	15	0	6	20n	250m	1.0 Δ	-55	125	2	T088		
59	SE155J	4		MON	3.9%	.45†*	DTL	4	20	0	8.2	8	134m	1.0 Δ	-55	125	2	T088		
60	SE156J	4		MON	3.9%	.45†*	DTL	5Δ	20	0	8	20n	250m	1.0 Δ	-55	125	2	T088		
61	SE157K	4		MON	3.9%	.45†*	DTL	3	15	0	8	20n	250m	1.0 Δ	-55	125	2	T088		
62	SFC101	4		MON	3.9	.50	DTL	5Δ	3	0.0	8.0	35n	35m	750m	0	75	1	CN39		
63	SFC102	4		MON	3.9	.50	DTL	3	3	0.0	8.0	35n	35m	750m	0	75	1	CN39		
64	SFC103	4		MON	3.9	.50	DTL	6Δ	20	0.0	8.0	35n	35m	750m	0	75	1	CN39		
65	NE150G	4		MON	3.9%	.55†*	DTL	2	20	6	6	35n%	250m	1.0 Δ	-55	125	1	T091		
66	NE150K	4		MON	3.9%	.55†*	DTL	2	20	6	6	35n%	250m	1.0 Δ	-55	125	1	T091		
67	SE150G	4		MON	3.9%	.55†*	DTL	2	20	0	8	35n%	250m	1.0 Δ	-55	125	1	T091		
68	SE150K	4		MON	3.9%	.55†*	DTL	2	20	0	8	35n%	250m	1.0 Δ	-55	125	1	T091		
69	MC254F	4	15M	MON	4.0	.30	DTL	4Δ	20	6	8	40n	66m	500m	0	75	1	T091		
70	MC254G	4	15M	MON	4.0	.30	DTL	4Δ	20	6	8	40n	66m	500m	0	75	1	CN8		
71	CD2301E861	4	5.0M%	MON	4.3%	.45†*	DTL	5Δ	7	0.0	5.0	25n%	30n	50n	30mt	1.0 Δ	0	75	2	T0116
72	CD2303E849	4	5.0M%	MON	4.3%	.45†*	DTL	5Δ	7	0.0	5.0	25n%	30n	50n	30mt	1.0 Δ	0	75	4	T0116
73	CD2309E863	4	5.0M%	MON	4.3%	.45†*	DTL	5Δ	7	0.0	5.0	25n%	30n	50n	30mt	1.0 Δ	0	75	3	T0116
74#	FQH111-861	4	5.0M%	MON	4.3%	.45†*	DTL	5Δ	7	0.0	5.0	25n%	30n	50n	30mt	1.0 Δ	0	75	2	T0116
75#	FQH131-849	4	5.0M%	MON	4.3%	.45†*	DTL	5Δ	7	0.0	5.0	25n%	30n	50n	30mt	1.0 Δ	0	75	4	T0116
76#	FQH191-863	4	5.0M%	MON	4.3%	.45†*	DTL	5Δ	7	0.0	5.0	25n%	30n	50n	30mt	1.0 Δ	0	75	3	T0116
77	PC10	4	12M	MOH	5.0	0.0	DTL	7Δ	5	0	12	15n	170m	-55	125	1	FP8			
78	PC14	4	12M	MOH	5.0	0.0	DTL	3	5	3	12	15n	170m	-55	125	2	FP8			
79	NC11	4	15M	MOH	5.0	0.0	DTL	4	5	3	12	12n	12n	16n	60m	-55	125	1	CN43a	
80	PC11	4	15M	MOH	5.0	0.0	DTL	6	5	3	12	12n	12n	16n	60m	-55	125	1	FP8	

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN OUT		POWER SUPPLY		PROPAGATION DELAY (s)	RISE TIME tr (s)	FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					LEVEL	TYPE	IN	OUT MAX.	NEG. (V)	POS. (V)	LOW						HI	LOGIC DWG. No		OUTLINE DWG. No	
																					'1' (V)
1	323BJ	4		MON	6.5%	5.0*	DTL	3Δ	5	0.0	12	100n			320m	5.0 Δ	-55	125	4	G04316	M172
2	323BN	4		MON	6.5%	5.0*	DTL	3Δ	5	0.0	12	100n			320m	5.0 Δ	-55	125	4	G04316	M204
3	323CG	4		MON	6.5%	5.0*	DTL	3Δ	5	0.0	12	100n			320m	5.0 Δ	-30	85	4	G04316	CN69
4	323CN	4		MON	6.5%	5.0*	DTL	3Δ	5	0.0	12	100n			320m	5.0 Δ	-30	85	4	G04316	M204
5	ITT301-1D	4			6.5	5.0	DTL	6Δ		0.0	12	180nΔ					-55	125	2	G04441	M200d
6	ITT301-5D	4			6.5	5.0	DTL	6Δ		0.0	12	160nΔ					-30	85	2	G04441	M200d
7	ITT302-1D	4			6.5	5.0	DTL	3Δ		0.0	12						-55	125	4	G04380a	M200d
8	ITT302-5D	4			6.5	5.0	DTL	3Δ		0.0	12						-30	85	4	G04380a	M200d
9	ITT303-1D	4			6.5	5.0	DTL	3Δ		0.0	12						-55	125	4	G04380	M200d
10	ITT303-5D	4			6.5	5.0	DTL	3Δ		0.0	12						-30	85	4	G04380	M200d
11	ITT321-1D	4			6.5	5.0	DTL	3Δ		0.0	12	250nΔ					-55	125	4	G04442	M200d
12	ITT321-5D	4			6.5	5.0	DTL	3Δ		0.0	12	220nΔ					-30	85	4	G04442	M200d
13	ITT322-1D	4			6.5	5.0	DTL	6Δ		0.0	12	250nΔ					-55	125	2	G04236	M200d
14	ITT322-5D	4			6.5	5.0	DTL	6Δ		0.0	12	220nΔ					-30	85	2	G04236	M200d
15	ITT323-1D	4			6.5	5.0	DTL	3Δ		0.0	12						-55	125	4	G04316	M200d
16	ITT323-5D	4			6.5	5.0	DTL	3Δ		0.0	12						-30	85	4	G04316	M200d
17	ITT324-1D	4			6.5	5.0	DTL	3Δ		0.0	12						-55	125	4	G04381	M200d
18	ITT324-5D	4			6.5	5.0	DTL	3Δ		0.0	12						-30	85	4	G04381	M200d
19	ITT325-1D	4			6.5	5.0	DTL	31		0.0	12	250nΔ					-55	125	4	G04382	M200d
20	ITT325-5D	4			6.5	5.0	DTL	31		0.0	12	220nΔ					-30	85	4	G04382	M200d
21	ITT326-1D	4			6.5	5.0	DTL	31		0.0	12						-55	125	4	G04383	M200d
22	ITT326-5D	4			6.5	5.0	DTL	31		0.0	12						-30	85	4	G04383	M200d
23	SD301BG	4		MON	6.5%	5.0*	DTL	6Δ		0.0	12	100n					-55	125	2	G04238	CN50
24	SD301BJ	4		MON	6.5%	5.0*	DTL	6Δ		0.0	12	100n					-55	125	2	G04238	M172
25	SD301CG	4		MON	6.5%	5.0*	DTL	6Δ		0.0	12	100n					-30	100	2	G04238	CN50
26	SD301CJ	4		MON	6.5%	5.0*	DTL	6Δ		0.0	12	100n					-30	100	2	G04238	M172
27	SD302BG	4		MON	6.5%	5.0*	DTL	3Δ		0.0	12						-55	125	4	G04380a	CN50
28	SD302BJ	4		MON	6.5%	5.0*	DTL	3Δ		0.0	12						-55	125	4	G04380a	M172
29	SD302CG	4		MON	6.5%	5.0*	DTL	3Δ		0.0	12						-30	100	4	G04380a	CN50
30	SD302CJ	4		MON	6.5%	5.0*	DTL	3Δ		0.0	12						-30	100	4	G04380a	M172
31	SD303BG	4		MON	6.5%	5.0*	DTL	3Δ		0.0	12						-55	125	4	G04380	CN50
32	SD303BJ	4		MON	6.5%	5.0*	DTL	3Δ		0.0	12						-55	125	4	G04380	M172
33	SD303CG	4		MON	6.5%	5.0*	DTL	3Δ		0.0	12						-30	100	4	G04380	CN50
34	SD303CJ	4		MON	6.5%	5.0*	DTL	3Δ		0.0	12						-30	100	4	G04380	M172
35	SD321BG	4		MON	6.5%	5.0*	DTL	3Δ		0.0	12	160n					-55	125	4	G04237	CN50
36	SD321BJ	4		MON	6.5%	5.0*	DTL	3Δ		0.0	12	160n					-55	125	4	G04237	M172
37	SD321CG	4		MON	6.5%	5.0*	DTL	3Δ		0.0	12	160n					-30	100	4	G04237	CN50
38	SD321CJ	4		MON	6.5%	5.0*	DTL	3Δ		0.0	12	160n					-30	100	4	G04237	M172
39	SD322BG	4		MON	6.5%	5.0*	DTL	6Δ		0.0	12	160n					-55	125	2	G04236	CN50
40	SD322BJ	4		MON	6.5%	5.0*	DTL	6Δ		0.0	12	160n					-55	125	2	G04236	M172
41	SD322CG	4		MON	6.5%	5.0*	DTL	6Δ		0.0	12	160n					-30	100	2	G04236	CN50
42	SD322CJ	4		MON	6.5%	5.0*	DTL	6Δ		0.0	12	160n					-30	100	2	G04236	M172
43	SD323BG	4		MON	6.5%	5.0*	DTL	3Δ		0.0	12						-55	125	4	G04316	CN50
44	SD323BJ	4		MON	6.5%	5.0*	DTL	3Δ		0.0	12						-55	125	4	G04316	M172
45	SD323CG	4		MON	6.5%	5.0*	DTL	3Δ		0.0	12						-30	100	4	G04316	CN50
46	SD323CJ	4		MON	6.5%	5.0*	DTL	3Δ		0.0	12						-30	100	4	G04316	M172
47	SD324BG	4		MON	6.5%	5.0*	DTL	3Δ		0.0	12						-55	125	4	G04381	CN50
48	SD324BJ	4		MON	6.5%	5.0*	DTL	3Δ		0.0	12						-55	125	4	G04381	M172
49	SD324CG	4		MON	6.5%	5.0*	DTL	3Δ		0.0	12						-30	100	4	G04381	CN50
50	SD324CJ	4		MON	6.5%	5.0*	DTL	3Δ		0.0	12						-30	100	4	G04381	M172
51	SD325BG	4		MON	6.5%	5.0*	DTL	31		0.0	12	160n					-55	125	4	G04382	CN50
52	SD325BJ	4		MON	6.5%	5.0*	DTL	31		0.0	12	160n					-55	125	4	G04382	M172
53	SD325CG	4		MON	6.5%	5.0*	DTL	31		0.0	12	160n					-30	100	4	G04382	CN50
54	SD325CJ	4		MON	6.5%	5.0*	DTL	31		0.0	12	160n					-30	100	4	G04382	M172
55	SD326BG	4		MON	6.5%	5.0*	DTL	31		0.0	12						-55	125	4	G04383	CN50
56	SD326BJ	4		MON	6.5%	5.0*	DTL	31		0.0	12						-55	125	4	G04383	M172
57	SD326CG	4		MON	6.5%	5.0*	DTL	31		0.0	12						-30	100	4	G04383	CN50
58	SD326CJ	4		MON	6.5%	5.0*	DTL	31		0.0	12						-30	100	4	G04383	M172
59	SN15301J	4		MON	6.5%	5.0*	DTL	5		0.0	13.5				378m%		-30	85	2	G04441	M153a
60	SN15301N	4		MON	6.5%	5.0*	DTL	5		0.0	13.5				378m%		-30	85	2	G04441	M117
61	SN15302J	4		MON	6.5%	5.0*	DTL	2		0.0	13.5				378m%		-30	85	4	G04380a	M153a
62	SN15302N	4		MON	6.5%	5.0*	DTL	2		0.0	13.5				378m%		-30	85	4	G04380a	M117
63	SN15303J	4		MON	6.5%	5.0*	DTL	2		0.0	13.5				459m%		-30	85	4	G04380	M153a
64	SN15303N	4		MON	6.5%	5.0*	DTL	2		0.0	13.5				459m%		-30	85	4	G04380	M117
65	SN15321J	4		MON	6.5%	5.0*	DTL	2		0.0	13.5				162m%		-30	85	4	G04442	M153a
66	SN15321N	4		MON	6.5%	5.0*	DTL	2		0.0	13.5				162m%		-30	85	4	G04442	M117
67	SN15322J	4		MON	6.5%	5.0*	DTL	5		0.0	13.5				81m%		-30	85	2	G04442	M153a
68	SN15322N	4		MON	6.5%	5.0*	DTL	5		0.0	13.5				81m%		-30	85	2	G04442	M117
69	SN15323J	4		MON	6.5%	5.0*	DTL	2		0.0	13.5				54m%		-30	85	4	G04442a	M153a
70	SN15323N	4		MON	6.5%	5.0*	DTL	2		0.0	13.5				54m%		-30	85	4	G04442a	M117
71	SN15324J	4		MON	6.5%	5.0*	DTL	2		0.0	13.5				216m%		-30	85	4	G04443	M153a
72	SN15324N	4		MON	6.5%	5.0*	DTL	2		0.0	13.5				216m%		-30	85	4	G04443	M117
73	SN15325J	4		MON	6.5%	5.0*	DTL	31		0.0	13.5				162m%		-30	85	4	G04442	M153a
74	SN15325N	4		MON	6.5%	5.0*	DTL	31		0.0	13.5				162m%		-30	85	4	G04442	M117
75	SN15326J	4		MON	6.5%	5.0*	DTL	31		0.0	13.5				216m%		-30	85	4	G04443a	M153a
76	SN15326N	4		MON	6.5%	5.0*	DTL	31		0.0	13.5				216m%		-30	85	4	G04443a	M117
77	SN15332J	4		MON	6.5%	5.0*	DTL	21		0.0	13.5				175m%		-30	85	6	G04444	M153a
78	SN15332N	4		MON	6.5%	5.0*	DTL	21		0.0	13.5				175m%		-30	85	6	G04444	M117
79	SN15333J	4		MON	6.5%	5.0*															

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL	LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN IN	OUT MAX.	POWER SUPPLY SPAN		PROPAGATION DELAY (s)	RISE TIME (tr)	FALL TIME (tf)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		PKT PER MOD	DRAWINGS		
						LEVEL	TYPE	TYPE			NEG. (V)	POS. (V)						LOW	HI		LOGIC DWG. No	OUTLINE DWG. No	
																							'1' (V)
	1	NG983	4	10M	PCB	-6.0	0.0	DTL	4Δ	5	12	12	25n	26n	30n	2.4	1.5	-45	65	8	G041a	CB1	
	2	NG984	4	10M	PCB	-6.0	0.0	DTL	4	5	12	12	25n	26n	30n	2.4	1.5	-45	65	8	G041	CB1	
	3	MC63Z	4	1.0M	PCB	-6.2	0.0	DTL	2	8	18	18	20n	100n	100n	2.7	2.5	*	0	55	12	G0432	CB25
	4	MC63Z	4	1.0M	PCB	-6.2	0.0	DTL	3	8	18	18	20n	100n	100n	1.8	2.5	*	0	55	10	G04381	CB25
	5	MC64Z	4	1.0M	PCB	-6.2	0.0	DTL	2	15	18	18	20n	100n	100n	1.3	2.5	*	0	55	10	G04381	CB25
	6	324BG	4	2.0M	MON	10.5	.50†	DTL	3Δ	1	0.0	12	110n	100n	60n	160m	5.0 Δ	-55	125	4	G04381	CN69	
	7	324BJ	4	2.0M	MON	10.5	.50†	DTL	3Δ	1	0.0	12	110n	100n	60n	160m	5.0 Δ	-55	125	4	G04381	M172	
	8	324BN	4	2.0M	MON	10.5	.50†	DTL	3Δ	1	0.0	12	110n	100n	60n	160m	5.0 Δ	-55	125	4	G04381	M204	
	9	324CG	4	2.0M	MON	10.5	.50†	DTL	3Δ	1	0.0	12	110n	100n	60n	160m	5.0 Δ	-30	85	4	G04381	CN69	
	10	324CN	4	2.0M	MON	10.5	.50†	DTL	3Δ	1	0.0	12	110n	100n	60n	160m	5.0 Δ	-30	85	4	G04381	M204	
	11	326BG	4	2.0M	MON	10.5%	.50†	DTL	3†	1	0.0	12	110n	100n	60n	160m	5.0 Δ	-55	125	4	G04383	CN69	
	12	326BJ	4	2.0M	MON	10.5%	.50†	DTL	3†	1	0.0	12	110n	100n	60n	160m	5.0 Δ	-55	125	4	G04383	M172	
	13	326BN	4	2.0M	MON	10.5%	.50†	DTL	3†	1	0.0	12	110n	100n	60n	160m	5.0 Δ	-55	125	4	G04383	M204	
	14	326CG	4	2.0M	MON	10.5%	.50†	DTL	3†	1	0.0	12	110n	100n	60n	160m	5.0 Δ	-30	85	4	G04383	CN69	
	15	326CN	4	2.0M	MON	10.5%	.50†	DTL	3†	1	0.0	12	110n	100n	60n	160m	5.0 Δ	-30	85	4	G04383	M204	
	16	303BG	4	2.0M	MON	10.5%	.80†	DTL	3Δ	1	0.0	12	140n	160n	180n	400m	5.0 Δ	-55	125	4	G04380	CN69	
	17	303BJ	4	2.0M	MON	10.5%	.80†	DTL	3Δ	1	0.0	12	140n	160n	180n	400m	5.0 Δ	-55	125	4	G04380	M172	
	18	303BN	4	2.0M	MON	10.5%	.80†	DTL	3Δ	1	0.0	12	140n	160n	180n	400m	5.0 Δ	-55	125	4	G04380	M204	
	19	303CG	4	2.0M	MON	10.5%	.80†	DTL	3Δ	1	0.0	12	140n	160n	180n	400m	5.0 Δ	-30	85	4	G04380	CN69	
	20	303CN	4	2.0M	MON	10.5%	.80†	DTL	3Δ	1	0.0	12	140n	160n	180n	400m	5.0 Δ	-30	85	4	G04380	M204	
	21	301BG	4	2.0M	MON	11.3	1.2†	DTL	6Δ	5	0.0	12	100n					-55	125	2	G04238	CN69	
	22	301BJ	4	2.0M	MON	11.3	1.2†	DTL	6Δ	5	0.0	12	100n					-55	125	2	G04238	M172	
	23	301BN	4	2.0M	MON	11.3	1.2†	DTL	6Δ	5	0.0	12	100n					-55	125	2	G04238	M204	
	24	301CG	4	2.0M	MON	11.3	1.2†	DTL	6Δ	5	0.0	12	100n					-30	85	2	G04238	CN69	
	25	301CN	4	2.0M	MON	11.3	1.2†	DTL	6Δ	5	0.0	12	100n					-30	85	2	G04238	M204	
	26	321BG	4	2.0M	MON	11.3	1.2†	DTL	3Δ	5	0.0	12	250nΔ			384m	5.0 Δ	-55	125	4	G04237	CN69	
	27	321BJ	4	2.0M	MON	11.3	1.2†	DTL	3Δ	5	0.0	12	250nΔ			384m	5.0 Δ	-55	125	4	G04237	M172	
	28	321BN	4	2.0M	MON	11.3	1.2†	DTL	3Δ	5	0.0	12	250nΔ			384m	5.0 Δ	-55	125	4	G04237	M204	
	29	321CG	4	2.0M	MON	11.3	1.2†	DTL	3Δ	5	0.0	12	220nΔ			384m	5.0 Δ	-30	85	4	G04237	CN69	
	30	321CN	4	2.0M	MON	11.3	1.2†	DTL	3Δ	5	0.0	12	220nΔ			384m	5.0 Δ	-30	85	4	G04237	M204	
	31	322BG	4	2.0M	MON	11.3	1.2†	DTL	6Δ	5	0.0	12	250nΔ			96m	5.0 Δ	-55	125	2	G04236	CN69	
	32	322BJ	4	2.0M	MON	11.3	1.2†	DTL	6Δ	5	0.0	12	250nΔ			96m	5.0 Δ	-55	125	2	G04236	M172	
	33	322BN	4	2.0M	MON	11.3	1.2†	DTL	6Δ	5	0.0	12	250nΔ			96m	5.0 Δ	-55	125	2	G04236	M204	
	34	322CG	4	2.0M	MON	11.3	1.2†	DTL	6Δ	5	0.0	12	220nΔ			96m	5.0 Δ	-30	85	2	G04236	CN69	
	35	322CN	4	2.0M	MON	11.3	1.2†	DTL	6Δ	5	0.0	12	220nΔ			96m	5.0 Δ	-30	85	2	G04236	M204	
	36	325BG	4	2.0M	MON	11.3	1.2†	DTL	3†	1	0.0	12	250nΔ	90n	70n	160m	5.0 Δ	-55	125	4	G04382	CN69	
	37	325BJ	4	2.0M	MON	11.3	1.2†	DTL	3†	1	0.0	12	250nΔ	90n	70n	160m	5.0 Δ	-55	125	4	G04382	M172	
	38	325BN	4	2.0M	MON	11.3	1.2†	DTL	3†	1	0.0	12	250nΔ	90n	70n	160m	5.0 Δ	-55	125	4	G04382	M204	
	39	325CG	4	2.0M	MON	11.3	1.2†	DTL	3†	1	0.0	12	220nΔ	90n	70n	160m	5.0 Δ	-30	85	4	G04382	CN69	
	40	325CN	4	2.0M	MON	11.3	1.2†	DTL	3†	1	0.0	12	220nΔ	90n	70n	160m	5.0 Δ	-30	85	4	G04382	M204	
	41	NA21-1	4	2.0M	3DM	12	0.0	DTL	4Δ	5	12	12	10n	50n	20n	65m	2.0	-35	125	1	G04208b	M16	
	42	NA21-2	4	2.0M	3DM	12	0.0	DTL	7Δ	5	12	12	10n	50n	20n	65m	2.0	-35	125	1	G04208a	M16	
	43	NA22-1	4	2.0M	3DM	12	0.0	DTL	2	5	12	12	10n	50n	20n	130m	2.0	-35	125	2	G04209	M16	
	44#	TL660L	4	2.0M	MON	13%	1.5†*	DTL	5Δ	10	0.0	15	110n	20n	20n	75m†	5.0	-30	75	2	G04322	M157a	
	45#	TL660P	4	2.0M	MON	13%	1.5†*	DTL	5Δ	10	0.0	15	110n	20n	20n	75m†	5.0	-30	75	2	G04322	M114f	
	46#	TL661L	4	2.0M	MON	13%	1.5†*	DTL	5Δ	10	0.0	15	125n	20n	20n	75m†	5.0	-30	75	2	G04323	M157a	
	47#	TL661P	4	2.0M	MON	13%	1.5†*	DTL	5Δ	10	0.0	15	125n	20n	20n	75m†	5.0	-30	75	2	G04323	M114f	
	48#	TL662L	4	2.0M	MON	13%	1.5†*	DTL	5Δ	30	0.0	15	140n	20n	20n	180m†	5.0	-30	75	2	G04362	M157a	
	49#	TL662P	4	2.0M	MON	13%	1.5†*	DTL	5Δ	30	0.0	15	140n	20n	20n	180m†	5.0	-30	75	2	G04362	M114f	
	50#	TL668L	4	2.0M	MON	13%	1.5†*	DTL	2	10	0.0	15	125n	20n	20n	175m†	5.0	-30	75	4	G04352c	M157a	
	51#	TL668P	4	2.0M	MON	13%	1.5†*	DTL	2	10	0.0	15	125n	20n	20n	175m†	5.0	-30	75	4	G04352c	M114f	
	52#	TL670L	4	2.0M	MON	13%	1.5†*	DTL	3	10	0.0	15	125n	20n	20n	132m†	5.0	-30	75	3	G04352d	M157a	
	53#	TL670P	4	2.0M	MON	13%	1.5†*	DTL	3	10	0.0	15	125n	20n	20n	132m†	5.0	-30	75	3	G04352d	M114f	
	54#	TL671L	4	2.0M	MON	13%	1.5†*	DTL	3	10	0.0	15	110n	20n	20n	132m†	5.0	-30	75	3	G04362a	M157a	
	55#	TL671P	4	2.0M	MON	13%	1.5†*	DTL	3	10	0.0	15	110n	20n	20n	132m†	5.0	-30	75	3	G04362a	M114f	
	56#	TL672L	4	2.0M	MON	13%	1.5†*	DTL	2	10	0.0	15	110n	20n	20n	176m†	5.0	-30	75	4	G04364	M157a	
	57#	TL672P	4	2.0M	MON	13%	1.5†*	DTL	2	10	0.0	15	110n	20n	20n	176m†	5.0	-30	75	4	G04364	M114f	
	58	DN23	4	100k	PCB	-10	0.0	DTL	3Δ	10	12	6.0	120n	1.0u	4.0u	370m	1.5	-20	55	8	G0439	CB10	
	59	GNA1-2	4	200k	PCB	-10	0.0	DTL	4†	10	12	6.0	200n	1.0u	500n	720m	2.0	0	55	9	G0444	CB19	
	60	S26M	4	200k	PCB	-10	0.0	DTL			12	12				450m	0	0	50	6	G0444	CB19	
	61	S34M	4	200k	PCB	-10	0.0	DTL			12	12				300m	0	0	50	4	G0444	CB19	
	62	S53M	4	200k	PCB	-10	0.0	DTL			12	12				300m	0	0	50	3	G0444	CB19	
	63	DN3	4	300k	PCB	-10	0.0	DTL	3Δ	10	12	6.0	75n	300n	1.0u	740m	1.5	-20	55	8	G0439	CB10	
	64	GNA1-1	4	1.0M	PCB	-10	0.0	DTL	4†	8	12	6.0	100n	250n	200n	973m	2.0	0	55	9	G04216	CB15	
	65	S26H	4	1.0M	PCB	-10	0.0	DTL			12	12				850m	0	0	50	6	G0444	CB19	
	66	S34H	4	1.0M	PCB	-10	0.0	DTL			12	12				550m	0	0	50	4	G0444	CB19	
	67	S53H	4	1.0M	PCB	-10	0.0	DTL			12	12				550m	0	0	50	3	G0444	CB19	
	68	DN3A	4	2.0M	PCB	-10	0.0	DTL	3Δ	7	12												

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL			FAN OUT		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					3 '1' (V)	4 '0' (V)	2]	IN	OUT MAX.	NEG. (V)	POS. (V)		tr (s)	tf (s)			LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=MO
1	MM112	4	50k	3DM	0.0	-6.0	RTL	3	4	12	12	400n	500n	4.0u	300m	1.0	0	55	2	G046a	M2
2	EM2507	4	250k	3DM	0.0	-6.0	RTL	3	10	12	6.0	300n	300n	1.0u	380m	500m	-55	71	2	G04219	M62b
3	MM211	4	250k	3DM	0.0	-6.0	RTL	5	4	12	12	250n	400n	2.5u	180m	1.0	-54	71	1	G045	M1
4	MM212	4	250k	3DM	0.0	-6.0	RTL	3	4	12	12	150n	250n	1.5u	206m	1.0	-54	71	2	G046a	M2
5	Q414	4	25k	3DM	0.0	-12	RTL	3	4	12	12	3.5u	2.0u	10u	36m	250m	-20	65	1	G04182a	M59a
6	2NC1010	4	10M	MON	.75	.22	RTL	2	7	0.0	4.0	45n	45n	45n	4.0m	200m	-55	125	2	G04172	CN19
7	2NC1011	4	10M	MON	.75	.22	RTL	4	7	0.0	4.0	80n	80n	80n	4.0m	250m	-55	125	1	G04171	CN19
8	2NC2010	4	10M	MON	.80	.24	RTL	2	7	0.0	4.0	45n	45n	45n	4.0m	200m	0	100	2	G04172	CN19
9	2NC2011	4	10M	MON	.80	.24	RTL	4	7	0.0	4.0	80n	80n	80n	4.0m	200m	0	100	1	G04171	CN19
10	2NC4010	4	10M	MON	.80	.24	RTL	2	7	0.0	4.0	45n	45n	45n	4.0m	200m	0	75	2	G04172	CN19
11	2NC4011	4	10M	MON	.80	.24	RTL	4	7	0.0	4.0	80n	80n	80n	4.0m	200m	0	75	1	G04171	CN19
12	PL944	4	10M	MON	2.0	1.1	RTL	5Δ		0.0	5.0						-55	125	2	G04154	TO86
13	8102	4		TFH	15	0.0	RTL	4		0	20		1.0u	1.0u			-55	100	1	G04203	M6
14	4CDH	4		PCB	-10	0.0	RTL			12	12						0	50	4	G04201	CB19
15#	MP102BF	4	200k	MOS	-11%	-4.0*	RTL	6	1	24	0.0	90n			24mf		-55	125	2	G04391	FP2
16#	MP102BT	4	1.0MΔ	MOS	-11%	-4.0*	RTL	6	1	24	0.0	90n			24mf		-55	125	2	G04391	CN58a
17#	GTB74S00P	4		MON			TTL	2	10	0.0	5.0	3.0n			37mΔ		0	70	4	G04377	
18#	GTB74S03P	4		MON			TTL	2	10	0.0	5.0	3.0n			37mΔ		0	70	4	G04377	
19#	GTB74S10P	4		MON			TTL	3	10	0.0	5.0	3.0n			37mΔ		0	70	3	G04377a	
20#	GTB74S20P	4		MON			TTL	4	10	0.0	5.0	3.0n			37mΔ		0	70	2	G04377b	
21	560BE	4	4.0M	MON			TTL	3	9	0	4	15n			1.0m		-55	125	1	G04235	
22	560BH	4	4.0M	MON			TTL	3	9	0	4	15n			1.0m		-55	125	1	G04235	
23	566BE	4	4.0M	MON			TTL	2	9	0	4	60n			1.0m		-55	125	2	G04233	
24	566BH	4	4.0M	MON			TTL	2	9	0	4	60n			1.0m		-55	125	2	G04233	
25	B16701	4	4.0M	MON			TTL	3	9	0.0	4.0	15n			1.0m		-55	125	1	G04235	TO100
26	B46701	4	4.0M	MON			TTL	3	9	0.0	4.0	15n			1.0m		-55	125	1	G04235	FP26a
27	G16701	4	4.0M	MON			TTL	2	9	0.0	4.0	60n			1.0m		-55	125	2	G04233	TO100
28	G46701	4	4.0M	MON			TTL	2	9	0.0	4.0	60n			1.0m		-55	125	2	G04233	FP26a
29	MC3012L.P%	4		MON		.40*†	TTL	4	10	0.0	5.0	8.0n			44mf		0	75	2	G04386b	TO116
30	MC3112L	4		MON		.40*†	TTL	4	10	0.0	5.0	8.0n			44mf		-55	125	2	G04386b	TO116
31#	MMG162	4		MON		.40†*	TTL	2	12	0.0	5.0		8.0n		54mf		0	75	3	G04330a	M75
32#	MMG163	4		MON		.40†*	TTL	2	6	0.0	5.0		8.0n		54mf		0	75	3	G04330a	M75
33	PL987	4		MON	85%	.42†	TTL	3	4	0	3	110nΔ			44mf		-55	125	2	G04261	TO91
34	PL986	4		MON	1.0	.20	TTL	2	20	0.0	3.0	80n			2.3m		-55	125	2	G04178	FP2
35#	T102D2	4		MON	1.4%	.90*	TTL	2	10	0.0	5.0	12nΔ			44mf	1.0 Δ	-55	125	4	G03250a	M294
36#	T102F2	4		MON	1.4%	.90*	TTL	2	10	0.0	5.0	12nΔ			44mf	1.0 Δ	-55	125	4	G03250a	FP28g
37#	T103D2	4		MON	1.4%	.90*	TTL	3	10	0.0	5.0	12nΔ			33mf	1.0 Δ	-55	125	3	G03250b	M294
38#	T103F2	4		MON	1.4%	.90*	TTL	3	10	0.0	5.0	12nΔ			33mf	1.0 Δ	-55	125	3	G03250b	FP28g
39#	T104D2	4		MON	1.4%	.90*	TTL	4	10	0.0	5.0	12nΔ			22mf	1.0 Δ	-55	125	2	G03250	M294
40#	T104F2	4		MON	1.4%	.90*	TTL	4	10	0.0	5.0	12nΔ			22mf	1.0 Δ	-55	125	2	G03250	FP28g
41#	T107D2	4		MON	1.4%	.90*	TTL	8	10	0.0	5.0	12nΔ			11mf	1.0 Δ	-55	125	1	G03250c	M294
42#	T107F2	4		MON	1.4%	.90*	TTL	8	10	0.0	5.0	12nΔ			11mf	1.0 Δ	-55	125	1	G03250c	FP28g
43#	T109D2	4		MON	1.4%	.90*	TTL	4	10	0.0	5.0	15nΔ			22mf	1.0 Δ	-55	125	2	G03250	M294
44#	T109F2	4		MON	1.4%	.90*	TTL	4	10	0.0	5.0	15nΔ			22mf	1.0 Δ	-55	125	2	G03250	FP28g
45#	T112D2	4		MON	1.4%	.90*	TTL	2	10	0.0	5.0	32nΔ			44mf	1.0 Δ	-55	125	4	G04330d	M294
46#	T112F2	4		MON	1.4%	.90*	TTL	2	10	0.0	5.0	32nΔ			44mf	1.0 Δ	-55	125	4	G04330d	FP28g
47#	T102B1	4		MON	1.6%	.85*	TTL	2	10	0.0	5.0	15nΔ			44mf	1.0 Δ	0	75	4	G03250a	M126u
48#	T102F1	4		MON	1.6%	.85*	TTL	2	10	0.0	5.0	15nΔ			44mf	1.0 Δ	0	75	4	G03250a	M294
49#	T102F1	4		MON	1.6%	.85*	TTL	2	10	0.0	5.0	15nΔ			44mf	1.0 Δ	0	75	4	G03250a	FP28g
50#	T103B1	4		MON	1.6%	.85*	TTL	3	10	0.0	5.0	15nΔ			33mf	1.0 Δ	0	75	3	G03250b	M126u
51#	T103F1	4		MON	1.6%	.85*	TTL	3	10	0.0	5.0	15nΔ			33mf	1.0 Δ	0	75	3	G03250b	M294
52#	T103F1	4		MON	1.6%	.85*	TTL	3	10	0.0	5.0	15nΔ			33mf	1.0 Δ	0	75	3	G03250b	FP28g
53#	T104B1	4		MON	1.6%	.85*	TTL	4	10	0.0	5.0	15nΔ			22mf	1.0 Δ	0	75	2	G03250	M126u
54#	T104D1	4		MON	1.6%	.85*	TTL	4	10	0.0	5.0	15nΔ			22mf	1.0 Δ	0	75	2	G03250	M294
55#	T104F1	4		MON	1.6%	.85*	TTL	4	10	0.0	5.0	15nΔ			22mf	1.0 Δ	0	75	2	G03250	FP28g
56#	T107B1	4		MON	1.6%	.85*	TTL	8	10	0.0	5.0	15nΔ			11mf	1.0 Δ	0	75	1	G03250c	M126u
57#	T107D1	4		MON	1.6%	.85*	TTL	8	10	0.0	5.0	15nΔ			11mf	1.0 Δ	0	75	1	G03250c	M294
58#	T107F1	4		MON	1.6%	.85*	TTL	8	10	0.0	5.0	15nΔ			11mf	1.0 Δ	0	75	1	G03250c	FP28g
59#	T109B1	4		MON	1.6%	.85*	TTL	4	10	0.0	5.0	17nΔ			22mf	1.0 Δ	0	75	2	G03250	M126u
60#	T109D1	4		MON	1.6%	.85*	TTL	4	10	0.0	5.0	17nΔ			22mf	1.0 Δ	0	75	2	G03250	M294
61#	T109F1	4		MON	1.6%	.85*	TTL	4	10	0.0	5.0	17nΔ			22mf	1.0 Δ	0	75	2	G03250	FP28g
62#	T112B1	4		MON	1.6%	.85*	TTL	2	10	0.0	5.0	35nΔ			44mf	1.0 Δ	0	75	4	G04330d	M126u
63#	T112D1	4		MON	1.6%	.85*	TTL	2	10	0.0	5.0	35nΔ			44mf	1.0 Δ	0	75	4	G04330d	M294
64#	T112F1	4		MON	1.6%	.85*	TTL	2	10	0.0	5.0	35nΔ			44mf	1.0 Δ	0	75	4	G04330d	FP28g
65	PL987	4		MON	1.7	.20	TTL	3	4	0.0	3.0	75n			430u		-55	125	2	G04177	FP1
66	NE471J	4		MON	1.7	.80	TTL	3	8	0	6	75n		75n	30m	1.0 Δ	0	70	3	G04342	TO88
67	NE481J	4		MON	1.7	.80	TTL	2	8	0	6	75n		75n	40m	1.0 Δ	0	70	3	G04342a	TO88
68	SE471J	4		MON	1.7	.80	TTL	3	8	0	6	75n		75n	30m	1.0 Δ	-55	125	3	G04342	TO88
69	SE481J	4		MON	1.7	.80	TTL	2	8	0	6	75n		75n	40m	1.0 Δ	-55	125	4	G04342a	TO88
70	9002-1.3L	4		MON	1.7%	.90*	TTL	2	11	0.0	5.0	10nΔ			44mf		-55	125	4	G04345	FP47a
71	9002-1.6B	4		MON	1.7%	.90*	TTL	2	11	0.0	5.0	10nΔ			44mf		-55	125	4	G04345	M153a
72	9003-1.3L	4		MON	1.7%	.90*	TTL	3	11	0.0	5.0	10nΔ			33mf		-55	125	3	G04345a	FP47a
73	9003-1.6B	4		MON	1.7%	.90*	TTL	3	11	0.0	5.0	10nΔ			33mf		-55	125	3	G04345a	M153a
74	9004-1.3L	4		MON	1.7%	.90*	TTL	4	11	0.0	5.0	10nΔ			22mf		-55	125	2	G04345b	

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL	LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD		DRAWINGS	
						LEVEL	TYPE	IN	OUT MAX.	NEG. (V)	(V)	tr (s)		tf (s)	LOW			HI	PER	MOD	LOGIC DWG. No	OUTLINE DWG. No	
																							'1' (V)
	1	9004FC	4		MON	1.8%	.85*	TTL	4	10	0.0	5.0	13nΔ			22m		0	75	2	G04345e	FP28b	
	2	9007-9-3L	4		MON	1.8%	.85*	TTL	8	10	0.0	5.0	13nΔ			11m		0	75	1	G04345c	FP47a	
	3	9007-9-6B	4		MON	1.8%	.85*	TTL	8	10	0.0	5.0	13nΔ			11m		0	75	1	G04345c	M153a	
	4	9007FC	4		MON	1.8%	.85*	TTL	8	10	0.0	5.0	13nΔ			11m		0	75	1	G04345c	FP28b	
	5	9009-9-3L	4		MON	1.8%	.85*	TTL	4	30	0.0	5.0	17nΔ			22m		0	75	2	G04345b	FP47a	
	6	9009-9-6B	4		MON	1.8%	.85*	TTL	4	30	0.0	5.0	17nΔ			22m		0	75	2	G04345b	M153a	
	7	9009FC	4		MON	1.8%	.85*	TTL	4	30	0.0	5.0	17nΔ			22m		0	75	2	G04345e	FP28b	
	8#	MIC9012-5D	4		MON	1.8%	.85*	TTL	2	2	0.0	5.0						-55	125	4		TO116	
	9	500BH	4		MON	1.8%	1.0*	TTL	4	6	0	6.8	180n			2.0m		-55	125	2	G04317	TO86	
	10	501BH	4		MON	1.8%	1.0*	TTL	2	6	0	6.8	180n			4.0m		-55	125	4	G04317d	TO86	
	11	503BH	4		MON	1.8%	1.0*	TTL	3	6	0	6.8	180n			3.0m		-55	125	3	G04317f	TO86	
	12	504BH	4		MON	1.8%	1.0*	TTL	4	6	0	6.8	140n			2.4m		-55	125	2	G04317a	TO86	
	13	505BH	4		MON	1.8%	1.0*	TTL	2	6	0	6.8	140n			4.8m		-55	125	4	G04317e	TO86	
	14	507BH	4		MON	1.8%	1.0*	TTL	3	6	0	6.8	140n			3.6m		-55	125	3	G04317g	TO86	
	15	530BH	4		MON	1.8%	1.0*	TTL	4	6	0	6.8	75n			4.4m		-55	125	2	G04317	TO86	
	16	531BH	4		MON	1.8%	1.0*	TTL	2	6	0	6.8	75n			8.8m		-55	125	4	G04317d	TO86	
	17	533BH	4		MON	1.8%	1.0*	TTL	3	6	0	6.8	75n			6.6m		-55	125	3	G04317f	TO86	
	18	534BH	4		MON	1.8%	1.0*	TTL	4	7	0	6.8	60n			6.0m		-55	125	2	G04317a	TO86	
	19	535BH	4		MON	1.8%	1.0*	TTL	2	7	0	6.8	60n			12m		-55	125	4	G04317e	TO86	
	20	537BH	4		MON	1.8%	1.0*	TTL	3	7	0	6.8	60n			9.0m		-55	125	3	G04317g	TO86	
	21	540BH	4		MON	1.8%	1.0*	TTL	5Δ	17	0	6.8	70n			16m		-55	125	2	G04321	TO86	
	22	541BH	4		MON	1.8%	1.0*	TTL	5Δ	17	0	6.8	70n			12m		-55	125	2	G04321a	TO86	
	23	543BH	4		MON	1.8%	1.0*	TTL	5Δ	7	0	6.8	85n			4.6m		-55	125	2	G04317b	TO86	
	24	544BH	4		MON	1.8%	1.0*	TTL	5Δ	7	0	6.8	75n			6.0m		-55	125	2	G04317c	TO86	
	25	547BH	4		MON	1.8%	1.0*	TTL	5Δ	45	0.0	6.8	60n			19m		-55	125	2	G04317c	TO86	
	26	548BH	4		MON	1.8%	1.0*	TTL	5Δ	45	0	6.8	60n			16m		-55	125	2	G04317b	TO86	
	27	570BH	4		MON	1.8%	1.0*	TTL	4	7	0.0	6.8	25n			11m		-55	125	2	G04317	TO86	
	28	571BH	4		MON	1.8%	1.0*	TTL	2	7	0.0	6.8	25n			22m		-55	125	4	G04317d	TO86	
	29	573BH	4		MON	1.8%	1.0*	TTL	3	7	0.0	6.8	25n			16m		-55	125	3	G04317f	TO86	
	30	574BH	4		MON	1.8%	1.0*	TTL	4	7	0.0	6.8	25n			13m		-55	125	2	G04317a	TO86	
	31	575BH	4		MON	1.8%	1.0*	TTL	2	7	0.0	6.8	25n			27m		-55	125	4	G04317e	TO86	
	32	577BH	4		MON	1.8%	1.0*	TTL	3	7	0.0	6.8	25n			20m		-55	125	3	G04317g	TO86	
	33	580BH	4		MON	1.8%	1.0*	TTL	5Δ	33	0	6.8	45n			44m		-55	125	2	G04320	TO86	
	34	583BH	4		MON	1.8%	1.0*	TTL	5Δ	7	0	6.8	30n			11m		-55	125	2	G04317b	TO86	
	35	584BH	4		MON	1.8%	1.0*	TTL	5Δ	7	0.0	6.8	30n			13m		-55	125	2	G04317c	TO86	
	36	587BH	4		MON	1.8%	1.0*	TTL	5Δ	36	0	6.8	55n			34m		-55	125	2	G04317b	TO86	
	37	500CJ	4	1.0MΔ	MON	1.8%	1.0*	TTL	4	6	0.0	6.8	180n			2.0m		0	70	2	G04317	M205	
	38	501CJ	4	1.0MΔ	MON	1.8%	1.0*	TTL	2	6	0.0	6.8	180n			4.0m		0	70	4	G04317d	M205	
	39	503CJ	4	1.0MΔ	MON	1.8%	1.0*	TTL	3	6	0.0	6.8	180n			3.0m		0	70	3	G04317f	M205	
	40	504CJ	4	1.0MΔ	MON	1.8%	1.0*	TTL	4	6	0.0	6.8	140n			2.4m		0	70	2	G04317a	M205	
	41	505CJ	4	1.0MΔ	MON	1.8%	1.0*	TTL	2	6	0.0	6.8	140n			4.8m		0	70	4	G04317e	M205	
	42	507CJ	4	1.0MΔ	MON	1.8%	1.0*	TTL	3	6	0.0	6.8	140n			3.6m		0	70	3	G04317g	M205	
	43	530CJ	4	1.0MΔ	MON	1.8%	1.0*	TTL	4	6	0.0	6.8	75n			4.4m		0	70	2	G04317	M205	
	44	531CJ	4	1.0MΔ	MON	1.8%	1.0*	TTL	2	6	0.0	6.8	75n			8.8m		0	70	4	G04317d	M205	
	45	533CJ	4	1.0MΔ	MON	1.8%	1.0*	TTL	3	6	0.0	6.8	75n			6.6m		0	70	3	G04317f	M205	
	46	534CJ	4	1.0MΔ	MON	1.8%	1.0*	TTL	4	7	0.0	6.8	60n			6.0m		0	70	2	G04317a	M205	
	47	535CJ	4	1.0MΔ	MON	1.8%	1.0*	TTL	2	7	0.0	6.8	60n			12m		0	70	4	G04317e	M205	
	48	537CJ	4	1.0MΔ	MON	1.8%	1.0*	TTL	3	7	0.0	6.8	60n			9.0m		0	70	3	G04317g	M205	
	49	540CJ	4	1.0MΔ	MON	1.8%	1.0*	TTL	5Δ	17	0.0	6.8	70n			12m		0	70	2	G04321	M205	
	50	541CJ	4	1.0MΔ	MON	1.8%	1.0*	TTL	5Δ	17	0.0	6.8	70n			16m		0	70	2	G04321a	M205	
	51	543CJ	4	1.0MΔ	MON	1.8%	1.0*	TTL	5Δ	7	0.0	6.8	85n			4.6m		0	70	2	G04317b	M205	
	52	544CJ	4	1.0MΔ	MON	1.8%	1.0*	TTL	5Δ	7	0.0	6.8	75n			6.0m		0	70	2	G04317c	M205	
	53	547CJ	4	1.0MΔ	MON	1.8%	1.0*	TTL	5Δ	45	0.0	6.8	60n			19m		0	70	2	G04317c	M205	
	54	548CJ	4	1.0MΔ	MON	1.8%	1.0*	TTL	5Δ	45	0.0	6.8	60n			16m		0	70	2	G04317b	M205	
	55	570CJ	4	1.0MΔ	MON	1.8%	1.0*	TTL	4	7	0.0	6.8	25n			11m		0	70	2	G04317	M205	
	56	571CJ	4	1.0MΔ	MON	1.8%	1.0*	TTL	2	7	0.0	6.8	25n			22m		0	70	4	G04317d	M205	
	57	573CJ	4	1.0MΔ	MON	1.8%	1.0*	TTL	3	7	0.0	6.8	25n			16m		0	70	3	G04317f	M205	
	58	574CJ	4	1.0MΔ	MON	1.8%	1.0*	TTL	4	7	0.0	6.8	25n			13m		0	70	2	G04317a	M205	
	59	575CJ	4	1.0MΔ	MON	1.8%	1.0*	TTL	2	7	0.0	6.8	25n			27m		0	70	4	G04317e	M205	
	60	577CJ	4	1.0MΔ	MON	1.8%	1.0*	TTL	3	7	0.0	6.8	25n			20m		0	70	3	G04317g	M205	
	61	580CJ	4	1.0MΔ	MON	1.8%	1.0*	TTL	5Δ	33	0.0	6.8	45n			44m		0	70	2	G04320	M205	
	62	583CJ	4	1.0MΔ	MON	1.8%	1.0*	TTL	5Δ	7	0.0	6.8	30n			11m		0	70	2	G04317b	M205	
	63	584CJ	4	1.0MΔ	MON	1.8%	1.0*	TTL	5Δ	7	0.0	6.8	30n			13m		0	70	2	G04317c	M205	
	64	587CJ	4	1.0MΔ	MON	1.8%	1.0*	TTL	5Δ	36	0.0	6.8	55n			34m		0	70	2	G04317b	M205	
	65	TG320F	4		MON	1.8%	1.1*	TTL	3	11	0.0	5.0	10nΔ			66m		-55	125	3	G04191a	TO86	
	66	TG320J	4		MON	1.8%	1.1*	TTL	3	11	0.0	5.0	10nΔ			66m		-55	125	3	G04191a	M157c	
	67	TG321F	4		MON	1.8%	1.1*	TTL	3	11	0.0	5.0	10nΔ			66m		-55	125	3	G04191a	TO86	
	68	TG321J	4		MON	1.8%	1.1*	TTL	3	11	0.0	5.0	10nΔ			66m		-55	125	3	G04191a	M157c	
	69	TG322F	4		MON	1.8%	1.1*	TTL	3	11	0.0	5.0	10nΔ			66m		-55	125	3	G04191a	TO86	
	70	TG322J	4		MON	1.8%	1.1*	TTL	3	11	0.0	5.0	10nΔ			66m		-55	125	3	G04191a	M157c	
	71	TG323F	4		MON	1.8%	1.1*	TTL	3	11	0.0	5.0	10nΔ			66m		-55	125	3	G04191a	TO86	
	72	TG323J	4		MON	1.8%	1.1*	TTL	3	11	0.0	5.0	10nΔ			66m		-55	125	3	G04191a	M157c	
	73	RSN54L00H	4		MON	1.9%	.80*	TTL	2	0	0.0	5.0	60nΔ			2.2m		-55					

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPAGA-TION DELAY (s)	MAX. RISE TIME		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					LEVEL	TYPE	IN	OUT MAX.	NEG. (V)	POS. (V)	tr (s)		tf (s)	LOW °C			HI °C	LOGIC DWG. No		OUTLINE DWG. No Δ=MO	
																					'1' (V)
1	9LS03FM	4		MON	2.0%	70*	TTL	2	2.5	0.0	5.0	14n			22m%	300m	-55	125	4	G04469a	TO86
2	9LS10DM	4		MON	2.0%	70*	TTL	3	2.5	0.0	5.0	6.0n			16m%	300m	-55	125	3	G04470	TO116
3	9LS10FM	4		MON	2.0%	70*	TTL	3	2.5	0.0	5.0	6.0n			16m%	300m	-55	125	3	G04470	TO86
4	9LS20DM	4		MON	2.0%	70*	TTL	4	2.5	0.0	5.0	7.0n			11m%	300m	-55	125	2	G04471	TO116
5	9LS20FM	4		MON	2.0%	70*	TTL	4	2.5	0.0	5.0	7.0n			11m%	300m	-55	125	2	G04471	TO86
6	9LS22DM	4		MON	2.0%	70*	TTL	4	2.5	0.0	5.0	14n			11m%	300m	-55	125	2	G04471a	TO116
7	9LS22FM	4		MON	2.0%	70*	TTL	4	2.5	0.0	5.0	14n			11m%	300m	-55	125	2	G04471a	TO86
8	9LS30DM	4		MON	2.0%	70*	TTL	8	2.5	0.0	5.0	9.0n			5.5m%	300m	-55	125	1	G04483	TO116
9	9LS30FM	4		MON	2.0%	70*	TTL	8	2.5	0.0	5.0	9.0n			5.5m%	300m	-55	125	1	G04483	TO86
10	9LS37DM	4		MON	2.0%	70*	TTL	2	7.5	0.0	5.0	10n			60m%	300m	-55	125	4	G04469	TO116
11	9LS37FM	4		MON	2.0%	70*	TTL	2	7.5	0.0	5.0	10n			60m%	300m	-55	125	4	G04469	TO86
12	9LS38DM	4		MON	2.0%	70*	TTL	2	7.5	0.0	5.0	14n			60m%	300m	-55	125	4	G04469a	TO116
13	9LS38FM	4		MON	2.0%	70*	TTL	2	7.5	0.0	5.0	14n			60m%	300m	-55	125	4	G04469a	TO86
14	9LS40DM	4		MON	2.0%	70*	TTL	4	7.5	0.0	5.0	10n			30m%	300m	-55	125	2	G04471	TO116
15	9LS40FM	4		MON	2.0%	70*	TTL	4	7.5	0.0	5.0	10n			30m%	300m	-55	125	2	G04471	TO86
16	9LS133DM	4		MON	2.0%	70*	TTL	13	2.5	0.0	5.0	17n			5.5m%	300m	-55	125	1	G04474	TO116
17	9LS133FM	4		MON	2.0%	70*	TTL	13	2.5	0.0	5.0	17n			5.5m%	300m	-55	125	1	G04474	TO86
18	54LS22DM	4		MON	2.0%	70*	TTL	4	2.5	0.0	5.0	14n			11m%	300m	-55	125	2	G04471a	TO116
19	BL54L00Y	4		MON	2.0%	70*	TTL	4	0.0	0.0	5.0	60nΔ			1.4m%		-55	125	4	G04466	FC7
20	BL54L20Y	4		MON	2.0%	70*	TTL	4	0.0	0.0	5.0	60nΔ			1.4m%		-55	125	2	G04466a	FC7
21	BL54L30Y	4		MON	2.0%	70*	TTL	8	0.0	0.0	5.0	100nΔ			1.4m%		-55	125	1	G04467	FC7
22	BL74L00Y	4		MON	2.0%	70*	TTL	4	0.0	0.0	5.0	60nΔ			1.4m%		0	70	4	G04466	FC7
23	BL74L20Y	4		MON	2.0%	70*	TTL	4	0.0	0.0	5.0	60nΔ			1.4m%		0	70	2	G04466a	FC7
24	BL74L30Y	4		MON	2.0%	70*	TTL	8	0.0	0.0	5.0	100nΔ			1.4m%		0	70	1	G04467	FC7
25	BL5401Y	4		MON	2.0%	70*	TTL	2	0.0	0.0	5.0	45nΔ			60m%		-55	125	4	G04330e	FC7
26	BL7401Y	4		MON	2.0%	70*	TTL	2	0.0	0.0	5.0	45nΔ			60m%		0	70	4	G04330e	FC7
27#	MIC74L00J	4		MON	2.0%	70*	TTL	2	10	0.0	5.0	60nΔ			1.0mΔ	1.0 Δ	0	75	4	G0414	TO116
28#	MIC74L10J	4		MON	2.0%	70*	TTL	3	10	0.0	5.0	60nΔ			1.0mΔ	1.0 Δ	0	75	3	G0414a	TO116
29#	MIC74L20J	4		MON	2.0%	70*	TTL	4	10	0.0	5.0	60nΔ			1.0mΔ	1.0 Δ	0	75	2	G0414b	TO116
30#	MIC74L30J	4		MON	2.0%	70*	TTL	8	10	0.0	5.0	60nΔ			1.0mΔ	1.0 Δ	0	75	1	G0414c	TO116
31	NC74L00N	4		MON	2.0%	70*	TTL			0.0	5.0	60n			4.0mΔ	1.0 Δ	0	70	4	G0414	TO116
32	NC74L10N	4		MON	2.0%	70*	TTL	3	10	0.0	5.0	60nΔ			3.0mΔ	1.0 Δ	0	70	3	G0414a	TO116
33	NC74L30N	4		MON	2.0%	70*	TTL	8	10	0.0	5.0	100nΔ			1.7mΔ	1.0 Δ	0	70	1	G0414c	TO116
34	SN54L00N	4		MON	2.0%	70*	TTL	2	10	0.0	5.0	60nΔ			1.0mΔ	1.0 Δ	-55	125	4	G0414	M126e
35	SN54L00R	4		MON	2.0%	70*	TTL	2	10	0.0	8.0	33n			1.0mΔ	1.0 Δ	-55	125	4	G0414	TO84
36	SN54L10N	4		MON	2.0%	70*	TTL	3	10	0.0	5.0	60nΔ			1.0mΔ	1.0 Δ	-55	125	3	G0414a	M126e
37	SN54L10R	4		MON	2.0%	70*	TTL	3	10	0.0	8.0	33n			1.0mΔ	1.0 Δ	-55	125	3	G0414a	TO84
38	SN54L20N	4		MON	2.0%	70*	TTL	4	10	0.0	5.0	60nΔ			1.0mΔ	1.0 Δ	-55	125	2	G0414b	M126e
39	SN54L20R	4		MON	2.0%	70*	TTL	4	10	0.0	8.0	33n			1.0mΔ	1.0 Δ	-55	125	2	G0414b	TO84
40	SN54L30N	4		MON	2.0%	70*	TTL	8	10	0.0	5.0	100nΔ			1.0mΔ	1.0 Δ	-55	125	1	G0414c	M126e
41	SN54L30R	4		MON	2.0%	70*	TTL	8	10	0.0	8.0	53n%			1mΔ	1.0 Δ	-55	125	1	G0414c	TO84
42	SN74L00R	4		MON	2.0%	70*	TTL	2	10	0.0	8.0	33n			1.0mΔ	1.0 Δ	0	70	4	G0414	TO84
43	SN74L00T	4		MON	2.0%	70*	TTL	2	10	0.0	5.0	60nΔ			1.0mΔ	1.0 Δ	0	70	4	G0414	FP52e
44	SN74L10R	4		MON	2.0%	70*	TTL	3	10	0.0	8.0	33n			1.0mΔ	1.0 Δ	0	70	3	G0414a	TO84
45	SN74L10T	4		MON	2.0%	70*	TTL	3	10	0.0	5.0	60nΔ			1.0mΔ	1.0 Δ	0	70	3	G0414a	FP52e
46	SN74L20R	4		MON	2.0%	70*	TTL	4	10	0.0	8.0	33n			1.0mΔ	1.0 Δ	0	70	2	G0414b	TO84
47	SN74L20T	4		MON	2.0%	70*	TTL	4	10	0.0	5.0	60nΔ			1.0mΔ	1.0 Δ	0	70	2	G0414b	FP52e
48	SN74L30R	4		MON	2.0%	70*	TTL	8	10	0.0	8.0	53n%			1mΔ	1.0 Δ	0	70	1	G0414c	TO84
49	SN74L30T	4		MON	2.0%	70*	TTL	8	10	0.0	5.0	60nΔ			1.0mΔ	1.0 Δ	0	70	1	G0414c	FP52e
50	DR871	4		PCB	2.0%	70*	TTL	4	25	0	5	50n			480m	400m	0	75	8	CB7	CB7
51	DR872	4		PCB	2.0%	70*	TTL	4	25	0	5	50n			600m	400m	0	75	8	CB7	CB7
52	9LS00DC	4		MON	2.0%	80*	TTL	2	2.5	0.0	5.0	5.0n			22m%	300m	0	75	4	G04469	TO116
53	9LS00FC	4		MON	2.0%	80*	TTL	2	2.5	0.0	5.0	5.0n			22m%	300m	0	75	4	G04469	TO86
54	9LS00PC	4		MON	2.0%	80*	TTL	2	2.5	0.0	5.0	5.0n			22m%	300m	0	75	4	G04469	TO116
55	9LS03DC	4		MON	2.0%	80*	TTL	2	5	0.0	5.0	14n			22m%	300m	0	75	4	G04469a	TO116
56	9LS03FC	4		MON	2.0%	80*	TTL	2	5	0.0	5.0	14n			22m%	300m	0	75	4	G04469a	TO86
57	9LS03PC	4		MON	2.0%	80*	TTL	2	5	0.0	5.0	14n			22m%	300m	0	75	4	G04469a	TO116
58	9LS10DC	4		MON	2.0%	80*	TTL	3	5	0.0	5.0	6.0n			16m%	300m	0	75	3	G04470	TO116
59	9LS10FC	4		MON	2.0%	80*	TTL	3	5	0.0	5.0	6.0n			16m%	300m	0	75	3	G04470	TO86
60	9LS10PC	4		MON	2.0%	80*	TTL	3	5	0.0	5.0	6.0n			16m%	300m	0	75	3	G04470	TO116
61	9LS20DC	4		MON	2.0%	80*	TTL	4	5	0.0	5.0	7.0n			11m%	300m	0	75	2	G04471	TO116
62	9LS20FC	4		MON	2.0%	80*	TTL	4	5	0.0	5.0	7.0n			11m%	300m	0	75	2	G04471	TO86
63	9LS20PC	4		MON	2.0%	80*	TTL	4	5	0.0	5.0	7.0n			11m%	300m	0	75	2	G04471	TO116
64	9LS22DC	4		MON	2.0%	80*	TTL	4	5	0.0	5.0	14n			11m%	300m	0	75	2	G04471a	TO116
65	9LS22FC	4		MON	2.0%	80*	TTL	4	5	0.0	5.0	14n			11m%	300m	0	75	2	G04471a	TO86
66	9LS22PC	4		MON	2.0%	80*	TTL	4	5	0.0	5.0	14n			11m%	300m	0	75	2	G04471a	TO116
67	9LS30DC	4		MON	2.0%	80*	TTL	8	5	0.0	5.0	9.0n			5.5m%	300m	0	75	1	G04483	TO116
68	9LS30FC	4		MON	2.0%	80*	TTL	8	5	0.0	5.0	9.0n			5.5m%	300m	0	75	1	G04483	TO86
69	9LS30PC	4		MON	2.0%	80*	TTL	8	5	0.0	5.0	9.0n			5.5m%	300m	0	75	1	G04483	TO116
70	9LS37DC	4		MON	2.0%	80*	TTL	2	15	0.0	5.0	10n			60m%	300m	0	75	4	G04469	TO116
71	9LS37FC	4		MON	2.0%	80*	TTL	2	15	0.0	5.0	10n			60m%	300m	0	75	4	G04469	TO86
72	9LS37PC	4		MON	2.0%	80*	TTL	2	15	0.0	5.0	10n			60m%	300m	0	75	4	G04469	TO116
73	9LS38DC	4		MON	2.0%	80*	TTL	2	15	0.0	5.0	14n			60m%	300m	0	75	4	G04469a	TO116
74	9LS38FC	4		MON																	

DIGITAL

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN		POWER SUPPLY		PROPAGATION DELAY (s)	MAX. RISE TIME		MAX. PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		DRAWINGS		
					LEVEL	TYPE	IN	OUT MAX.	NEG. (V)	POS. (V)	tr (s)		FALL TIME (s)	LOW °C			HI °C	LOGIC DWG. No	OUTLINE DWG. No Δ=MO		
																				'1' (V)	'0' (V)
1	74S134PC	4		MON	2.0%	.80*	TTL	12	10B	0.0	5.0	7.5n		125ms	300m*	0	75	125	1	G04475	M562
2	5400-1-6A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	40n		40mf		-55	125	4	G04358f	M157	
3	5401-1-6A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	40n		40mf		-55	125	4	G04387a	M157	
4	5403-1-6A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ		40mf	1.0 Δ	-55	125	4	G04399	M157	
5	5410-1-6A	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	30n		30mf		-55	125	3	G04358h	M157	
6	5420-1-6A	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	20n		20mf		-55	125	2	G04358k	M157	
7	5430-1-6A	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	10n		10mf		-55	125	1	G04358n	M157	
8	5440-1-6A	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	20n		20mf		-55	125	2	G04388a	M157	
9	7400-9-6A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	40n		40mf		0	70	4	G04358j	M157	
10	7400N	4		MON	2.0%	.80*	TTL	2	10	0.0	7.0	29nΔ		10mΔ	1.0 Δ	0	70	4	G0418b	TO116	
11	7400PCΔ	4		MON	2.0%	.80*	TTL	10	0.0	5.0	5.0	220nΔ				0	70	4	G04469	M665	
12	7401-9-6A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	40n		40mf		0	70	4	G04387a	M157	
13	7401PCΔ	4		MON	2.0%	.80*	TTL	10	0.0	5.0	5.0	45nΔ				0	70	4	G04515	M665	
14	7403-9-6A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ		40mf	1.0 Δ	0	70	4	G04399	M157	
15	7403PCΔ	4		MON	2.0%	.80*	TTL	10	0.0	5.0	5.0	45nΔ				0	70	4	G04469	M665	
16	7408PCΔ	4		MON	2.0%	.80*	TTL	10	0.0	5.0	5.0	40nΔ				0	70	4	G01266	M665	
17	7410-9-6A	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	30n		30mf		0	70	3	G04358h	M157	
18	7410N	4		MON	2.0%	.80*	TTL	3	10	0.0	7.0	29nΔ		10mΔ	1.0 Δ	0	70	3	G043b	TO116	
19	7410PCΔ	4		MON	2.0%	.80*	TTL	10	0.0	5.0	5.0	22nΔ				0	70	3	G04470	M665	
20	7412PC	4		MON	2.0%	.80*	TTL	10	0.0	5.0	5.0	45nΔ				0	70	3	G04470a	M665	
21	7420-9-6A	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	20n		20mf		0	70	2	G04358k	M157	
22	7420N	4		MON	2.0%	.80*	TTL	4	10	0.0	7.0	29nΔ		10mΔ	1.0 Δ	0	70	2	G043s	TO116	
23	7420PCΔ	4		MON	2.0%	.80*	TTL	10	0.0	5.0	5.0	22nΔ				0	70	2	G04471	M665	
24	7426PCΔ	4		MON	2.0%	.80*	TTL	10	0.0	5.0	5.0	24nΔ				0	70	4	G04469	M665	
25	7430-9-6A	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	10n		10mf		0	70	1	G04358n	M157	
26	7430N	4		MON	2.0%	.80*	TTL	8	10	0.0	7.0	29nΔ		10mΔ	1.0 Δ	0	70	1	G04358n	TO116	
27	7430PCΔ	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ				0	70	3	G04483	M665	
28	7437FC	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ		297m		0	70	4	G04388b	FP21h	
29	7437PCΔ	4		MON	2.0%	.80*	TTL	30	0.0	5.0	5.0	22nΔ				0	70	4	G04498	M665	
30	7438FC	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ		297m		0	70	4	G04387c	FP21h	
31	7438PCΔ	4		MON	2.0%	.80*	TTL	30	0.0	5.0	5.0	22nΔ				0	70	4	G04469	M665	
32	7439PC	4		MON	2.0%	.80*	TTL	30	0.0	5.0	5.0	22nΔ				0	70	4	G04330b	M665	
33	7440-9-6A	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	20n		20mf		0	70	2	G04388a	M157	
34	7440PC	4		MON	2.0%	.80*	TTL	30	0.0	5.0	5.0	22nΔ				0	70	2	G04388a	M665	
35	BL5400Y	4		MON	2.0%	.80*	TTL	3	0.0	5.0	5.0	22nΔ		15m%		-55	125	4	G04387p	FC7	
36	BL5410Y	4		MON	2.0%	.80*	TTL	3	0.0	5.0	5.0	22nΔ		15m%		-55	125	3	G04387q	FC7	
37	BL7400Y	4		MON	2.0%	.80*	TTL	3	0.0	5.0	5.0	22nΔ		15m%		0	70	4	G04387p	FC7	
38	BL7410Y	4		MON	2.0%	.80*	TTL	3	0.0	5.0	5.0	22nΔ		15m%		0	70	3	G04387q	FC7	
39	DM8810	4		MOS	2.0%	.80*	TTL	2	0.0	5.0	5.0	20n				0	70	4	G04387c	M126d	
40	DM8811	4		MOS	2.0%	.80*	TTL	2	0.0	5.0	5.0	20n				0	70	4	G04387a	M126d	
41	FJH101	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	13n		10mf	400m	0	70	1	G0414c	TO116	
42	FJH102A	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	13n		10mf	1.0 Δ	-55	125	1	G0414h	TO116	
43	FJH102B	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	13n		10mf	1.0 Δ	-55	125	1	G0414h	TO84	
44	FJH106	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	13n		10mf	400m	0	70	1	G0414c	TO116	
45	FJH111	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	13n		20mf	400m	0	70	2	G0414b	TO116	
46	FJH112A	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	13n		20mf	1.0 Δ	-55	125	2	G0414d	TO116	
47	FJH112B	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	13n		20mf	1.0 Δ	-55	125	2	G0414d	TO84	
48	FJH116	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	13n		20mf	400m	-40	85	2	G0414b	TO116	
49	FJH121	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	13n		30mf	400m	0	70	3	G0414a	TO116	
50	FJH122A	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	13n		30mf	1.0 Δ	-55	125	3	G0414f	TO116	
51	FJH122B	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	13n		30mf	1.0 Δ	-55	125	3	G0414f	TO84	
52	FJH126	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	13n		30mf	400m	-40	85	3	G0414a	TO116	
53	FJH131	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	13n		40mf	400m	0	70	4	G0414	TO116	
54	FJH132A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	13n		40mf	1.0 Δ	-55	125	4	G0414e	TO116	
55	FJH132B	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	13n		40mf	1.0 Δ	-55	125	4	G0414e	TO84	
56	FJH136	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	13n		40mf	400m	-40	85	4	G0414	TO116	
57	FJH141	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	13n		52mf	400m	0	70	2	G0415b	TO116	
58	FJH142A	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	13n		53m	1.0 Δ	-55	125	2	G0415m	TO116	
59	FJH142B	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	13n		53m	1.0 Δ	-55	125	2	G0415m	TO84	
60	FJH146	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	13n		52mf	400m	-40	85	2	G0415b	TO116	
61	FJH231	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ		40mf	400m	0	70	4	G04233a	TO116	
62	FJH232A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	30n		40mf	1.0 Δ	-55	125	4	G04233e	TO116	
63	FJH232B	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	30n		40mf	1.0 Δ	-55	125	4	G04233e	TO84	
64	FJH291	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ		40mf	400m	0	70	4	G04399a	TO116	
65	FJH301	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ		40mf	400m	0	70	4	G04342a	TO116	
66	FJH311	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ		40mf	400m	0	70	4	G04233a	TO116	
67	GFB7400	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	13n		40mf	400m	0	70	4	G0414	TO116	
68	GFB7401	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ		40mf	400m	0	70	4	G04233a	TO116	
69	GFB7401S1	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ		40mf	400m	0	70	4	G04233a	TO116	
70	GFB7403	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ		40mf	400m	0	70	4	G04399a	TO116	
71	GFB7410	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	13n		30mf	400m	0	70	3	G0414a	TO116	
72	GFB7420	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	13n		20mf	400m	0	70	2	G0414b	TO116	
73	GFB7426	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ		10mf	400m	0	70	4	G04342a	TO116	
74	GFB7430	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	13n		10mf	400m	0	70	1	G0414c	TO116	
75	GFB7440	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	13n		52mf	400m	0	70	2	G0415b	TO116	
76	GJB74H00P	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	13nΔ		92mf	400m	0	70	4	G03250a	M126n	

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN OUT		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	RISE TIME tr (s)	FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					LEVEL	TYPE	IN	OUT MAX.	NEG. (V)	POS. (V)	LOW						HI	LOGIC DWG. No		OUTLINE DWG. No Δ=MO	
																					3
1#	MIC74H01J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	9.0nΔ			80m†	1.0 Δ	0	75	4	G04386	M157
2#	MIC74H10J	4		MON	2.0%	.80*	TTL	3	10	0.0	7.0	10nΔ				1.0 Δ	0	75	3	G0415f	M157
3#	MIC74H20J	4		MON	2.0%	.80*	TTL	4	10	0.0	7.0	10nΔ				1.0 Δ	0	75	2	G0415b	M157
4#	MIC74H22J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	9.0n			75n†	1.0 Δ	0	75	2	G04387b	TO116
5#	MIC74H30J	4		MON	2.0%	.80*	TTL	8	10	0.0	7.0	11nΔ				1.0 Δ	0	75	1	G04150a	M157
6#	MIC74H40J	4		MON	2.0%	.80*	TTL	4	0	0.0	7.0	10nΔ				1.0 Δ	0	75	2	G0415b	M157
7#	MIC5400J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			40m†	500m	-55	125	4	G04358f	TO116
8#	MIC5401AJ	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40m†	500m	-55	125	4	G04387a	TO116
9#	MIC5401J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40m†	500m	-55	125	4	G04387a	TO116
10#	MIC5403AJ	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40m†	500m	-55	125	4	G04358f	TO116
11#	MIC5403J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40m†	500m	-55	125	4	G04387	TO116
12#	MIC5410J	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	22nΔ			30m†	500m	-55	125	3	G04358h	TO116
13#	MIC5412AJ	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	45nΔ			30m†	400m*	-55	125	3	G04450d	TO116
14#	MIC5412J	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	45nΔ			30m†	400m*	-55	125	3	G04450d	TO116
15#	MIC5420J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			20m†	500m	-55	125	2	G04358k	TO116
16#	MIC5426J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			40m†	500m	-55	125	4	G04358n	TO116
17#	MIC5430J	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			10m†	500m	-55	125	1	G04483	TO116
18#	MIC5437J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			107m†	400m*	-55	125	4	G04469	TO116
19#	MIC5438AJ	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			97m†	400m*	-55	125	4	G04469	TO116
20#	MIC5438J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			97m†	400m*	-55	125	4	G04469	TO116
21#	MIC5440J	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	22nΔ			53m†	500m	-55	125	2	G04471	TO116
22#	MIC6400J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			40m†	500m	-40	85	4	G04358f	TO116
23#	MIC6401AJ	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40m†	500m	-40	85	4	G04387a	TO116
24#	MIC6401J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40m†	500m	-40	85	4	G04387a	TO116
25#	MIC6403AJ	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40m†	500m	-40	85	4	G04358f	TO116
26#	MIC6403J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40m†	500m	-40	85	4	G04387	TO116
27#	MIC6410J	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	22nΔ			30m†	500m	-40	85	3	G04358h	TO116
28#	MIC6412AJ	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	45nΔ			30m†	400m*	-40	85	3	G04450d	TO116
29#	MIC6412J	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	45nΔ			30m†	400m*	-40	85	3	G04450d	TO116
30#	MIC6420J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			20m†	500m	-40	85	2	G04358k	TO116
31#	MIC6426J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			40m†	500m	-40	85	4	G04358n	TO116
32#	MIC6430J	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			10m†	500m	-40	85	1	G04358n	TO116
33#	MIC6437J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			428m†	400m*	-40	85	4	G04388b	TO116
34#	MIC6438AJ	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			388m†	400m*	-40	85	4	G04387c	TO116
35#	MIC6438J	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	22nΔ			388m†	400m*	-40	85	4	G04387c	TO116
36#	MIC6440J	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	22nΔ			53m†	500m	-40	85	2	G04358k	TO116
37#	MIC7400J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			40m†	500m	0	75	4	G04358f	TO116
38#	MIC7400J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			40m†	500m	0	75	4	G04358f	M126x
39#	MIC7401AJ	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40m†	500m	0	75	4	G04387a	TO116
40#	MIC7401AJ	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40m†	500m	0	75	4	G04387a	M126x
41#	MIC7401J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40m†	500m	0	75	4	G04387a	TO116
42#	MIC7401N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40m†	500m	0	75	4	G04387a	M126x
43#	MIC7403AJ	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40m†	500m	0	75	4	G04358f	TO116
44#	MIC7403AN	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			40m†	500m	0	75	4	G04358f	M126x
45#	MIC7403J	4		MON	2.0%	.80*	TTL	2	10	0.0	7.0	17n			40m†	500m	0	75	4	G04387	M157
46#	MIC7403N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	17n			40m†	1.0	0	75	4	G04387	M126x
47#	MIC7410J	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	22nΔ			30m†	500m	0	75	3	G04358h	TO116
48#	MIC7410N	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	22nΔ			30m†	500m	0	75	3	G04358h	M126x
49#	MIC7412AJ	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	45nΔ			30m†	400m*	0	75	3	G04450d	TO116
50#	MIC7412AN	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	45nΔ			30m†	400m*	0	75	3	G04450d	M126x
51#	MIC7412J	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	45nΔ			30m†	400m*	0	75	3	G04450d	TO116
52#	MIC7412N	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	45nΔ			30m†	400m*	0	75	3	G04450d	M126x
53#	MIC7420J	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			20m†	500m	0	75	2	G04358k	TO116
54#	MIC7420N	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			20m†	500m	0	75	2	G04358k	M126x
55#	MIC7426J	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			40m†	500m	0	75	4	G04358n	TO116
56#	MIC7426N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			40m†	500m	0	75	4	G04358n	M126x
57#	MIC7430J	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			10m†	500m	0	75	1	G04483	TO116
58#	MIC7430N	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			10m†	500m	0	75	1	G04483	M126x
59#	MIC7437J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			107m†	400m*	0	75	4	G04469	TO116
60#	MIC7437N	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			107m†	400m*	0	75	4	G04469	M126x
61#	MIC7438AJ	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			97m†	400m*	0	75	4	G04469	TO116
62#	MIC7438AN	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			97m†	400m*	0	75	4	G04469	M126x
63#	MIC7438J	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			97m†	400m*	0	75	4	G04469	TO116
64#	MIC7438N	4		MON	2.0%	.80*	TTL	2	30	0.0	5.0	22nΔ			97m†	400m*	0	75	4	G04469	M126x
65#	MIC7440J	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	22nΔ			53m†	500m	0	75	2	G04471	TO116
66#	MIC7440N	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	22nΔ			53m†	500m	0	75	2	G04471	M126x
67#	MIC9002-1B	4		MON	2.0%	.80*	TTL	2	10	0	5.5						-55	125	4	G04345	T086
68#	MIC9002-1D	4		MON	2.0%	.80	TTL	2	10	0	5.5						-55	125	4	G04345	TO116
69#	MIC9003-1B	4		MON	2.0%	.80	TTL	3	10	0	5.5						-55	125	3	G04345a	T086
70#	MIC9003-1D	4		MON	2.0%	.80*	TTL	3	10	0.0	5.5						-55	125	3	G04345a	TO116
71#	MIC9004-1B	4		MON	2.0%	.80*	TTL	4	10	0	5.5						-55	125	2	G04345b	T086
72#	MIC9004-1D	4		MON	2.0%	.80*	TTL	4	10	0	5.5						-55	125	2	G04345b	TO116
73#	MIC9007-1B	4		MON	2.0%	.80*	TTL	8	10	0	5.5						-55	1			

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					LEVEL	TYPE	IN	OUT MAX.	NEG. (V)	POS. (V)	tr (s)		FALL TIME tf (s)	LOW °C			HI °C	LOGIC DWG. No		OUTLINE DWG. No Δ=MO	
																					'1' (V)
1	NC74H22N	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	9.0n			75m†	1.0 Δ	0	70	2	G04387b	M126
2	NC74H30N	4		MON	2.0%	.80*	TTL	8	10	0.0	7.0	11nΔ			1.0 Δ	0	70	1	G04150a	M126	
3	NC74H40N	4		MON	2.0%	.80*	TTL	4	30	0.0	7.0	10nΔ			1.0 Δ	0	70	2	G0415b	M126	
4	NC400HN	4		MON	2.0%	.80*	TTL	2	10	0.0	7.0	6.0n%			88m†	1.0 Δ	0	70	4	G0415a	M75a
5	NC400N	4		MON	2.0%	.80*	TTL	2	10	0.0	8.0	13n%			10m†	1.0	0	70	4	G0414	M126
6	NC400PM	4		MON	2.0%	.80*	TTL	2	10	0	7	22n%			40m†	1.0	0	70	4	G0414	TO84
7	NC410N	4		MON	2.0%	.80*	TTL	3	10	0.0	8.0	13n%			10m†	1.0	0	70	3	G04233a	M126
8	NC410PM	4		MON	2.0%	.80*	TTL	3	10	0.0	7.0	22n%			30m†	1.0	0	70	3	G0414a	TO84
9	NC420HN	4		MON	2.0%	.80*	TTL	2	10	0.0	7.0	6.0n%			44m†	1.0 Δ	0	70	4	G0415b	M75a
10	NC420N	4		MON	2.0%	.80*	TTL	4	10	0.0	8.0	13n%			10m†	1.0	0	70	2	G0414b	M126
11	NC420PM	4		MON	2.0%	.80*	TTL	4	10	0.0	7.0	22n%			20m†	1.0	0	70	2	G0414b	TO84
12	NC430N	4		MON	2.0%	.80*	TTL	8	10	0.0	8.0	13n%			10m†	1.0	0	70	1	G0414c	M126
13	NC430PM	4		MON	2.0%	.80*	TTL	8	10	0.0	7.0	22n%			10m†	1.0	0	70	1	G0414c	TO84
14	NC440N	4		MON	2.0%	.80*	TTL	4	30	0.0	8.0	13n%			10m†	1.0	0	70	2	G0415	M126
15	NC440PM	4		MON	2.0%	.80*	TTL	4	10	0.0	7.0	22n%			40m†	1.0	0	70	2	G0415	TO84
16	NC7400N	4		MON	2.0%	.80*	TTL	2	10	0.0	7.0	13n			10mΔ	1.0	0	70	4	TO116	
17	NC7401BN	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	30n%			10mΔ	1.0 Δ	0	70	4	G04233a	TO116
18	NC7401N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	30n%			10mΔ	1.0	0	70	4	G04233a	M126
19	NC7403BN	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45n%			40m†	1.0 Δ	0	70	4	G04399a	TO116
20	NC7403N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45n%			40m†	1.0 Δ	0	70	4	G04399a	M126
21	NC7410N	4		MON	2.0%	.80*	TTL	3	10	0.0	7.0	13n			10mΔ	1.0	0	70	2	TO116	
22	NC7420N	4		MON	2.0%	.80*	TTL	4	10	0.0	7.0	13n			10mΔ	1.0	0	70	2	TO116	
23	NC7426N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			110m†	1.0 Δ	0	70	4	G04342a	TO116
24	NC7430N	4		MON	2.0%	.80*	TTL	8	10	0	7	13n%			10m†	1.0	0	70	1	TO116	
25	NC7440N	4		MON	2.0%	.80*	TTL	4	30	0.0	7.0	13n			10mΔ	1.0	0	70	2	TO116	
26	NE855K	4		MON	2.0	.80	TTL	4	1	0	6	23n			86m†	1.0 Δ	0	70	2	G04303	CN17
27	PD7400	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	29nΔ			10mΔ	1.0	0	75	4	G0414	M105v
28	PD7401	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			10mΔ	1.0	0	75	4	G04233a	M105v
29	PD7403	4		MON	2.0%	.80*	TTL	2	10	0.0	7.0	30n%			10mΔ	1.0	0	75	4	G0414a	M105v
30	PD7410	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	29nΔ			10mΔ	1.0	0	75	3	G0415	M105v
31	PD7420	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	29nΔ			10mΔ	1.0	0	75	2	G0414b	M105v
32	PD7430	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	29nΔ			10m†	1.0	0	75	1	G0414c	M105v
33	PD7440	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	29nΔ			27mΔ	1.0	0	75	2	G0415	M105v
34	RSN54H00H	4		MON	2.0%	.80*	TTL	2	0	0.0	5.0	12nΔ			54m%		-55	125	4	G04461	FP69b
35	RSN54H10H	4		MON	2.0%	.80*	TTL	3	0	0.0	5.0	12nΔ			54m%		-55	125	3	G04461a	FP69b
36	RSN54H20H	4		MON	2.0%	.80*	TTL	4	0	0.0	5.0	12nΔ			54m%		-55	125	2	G04461b	FP69b
37	RSN54H31H	4		MON	2.0%	.80*	TTL	11	0	0.0	5.0	20nΔ			54m%		-55	125	1	G04461c	FP69b
38	RSN54H40H	4		MON	2.0%	.80*	TTL	4	0	0.0	5.0	12nΔ			135m%		-55	125	2	G04465	FP69b
39	RSN5400H	4		MON	2.0%	.80*	TTL	2	0	0.0	5.0	18nΔ			28m%		-55	125	4	G04461	FP69b
40	RSN5410H	4		MON	2.0%	.80*	TTL	3	0	0.0	5.0	18nΔ			28m%		-55	125	3	G04461a	FP69b
41	RSN5420H	4		MON	2.0%	.80*	TTL	4	0	0.0	5.0	18nΔ			28m%		-55	125	2	G04461b	FP69b
42	RSN5431H	4		MON	2.0%	.80*	TTL	11	0	0.0	5.0	25nΔ			28m%		-55	125	1	G04461c	FP69b
43	RSN5440H	4		MON	2.0%	.80*	TTL	4	0	0.0	5.0	18nΔ			63m%		-55	125	2	G04465	FP69b
44	S54H00A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	6.2n					-55	125	4	G04377	M318
45	S54H01A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	10n					-55	125	4	G04387	M318
46	S54H10A	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	10nΔ			150m†		-55	125	3	G04377a	M318
47	S54H20A	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10nΔ			100m†		-55	125	2	G04377b	M318
48	S54H22A	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	10n			100m†		-55	125	2	G04387b	M318
49	S54H30A	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	8.9n			50m†		-55	125	1	G04377g	M318
50	S54S00A	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	7.0nΔ			180m†	1.0 †	-55	125	4	G04377	M318
51	S54S03A	4		MON	2.0%	.80*	TTL	2	20	0.0	5.0	7.0nΔ			180m†	1.0 †	-55	125	4	G04386	M318
52	S54S10A	4		MON	2.0%	.80*	TTL	3	20	0.0	5.0	5.0nΔ			135m†	1.0 †	-55	125	3	G04377a	M318
53	S54S20A	4		MON	2.0%	.80*	TTL	4	20	0.0	5.0	5.0nΔ			90m†	1.0 †	-55	125	2	G04377b	M318
54	S54S22A	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	7.5nΔ			90m†	1.0 †	-55	125	2	G04386b	M318
55	S54S133B	4		MON	2.0%	.80*	TTL	13	20	0.0	5.0	7.0nΔ			50m†	1.0 †	-55	125	1	G04474	M317
56	S54S134B	4		MON	2.0%	.80*	TTL	13Δ	40	0.0	5.0	7.5nΔ			80m†	1.0 †	-55	125	1	G04475	M317
57	S5400A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22nΔ			110m†	1.0 †	-55	125	4	G04387k	M318
58	S5401A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			110m†	1.0 †	-55	125	4	G04387a	M318
59	S5403A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	45nΔ			110m†	1.0 †	-55	125	4	G04387	M318
60	S5410A	4		MON	2.0%	.80*	TTL	3	10	0.0	5.0	22nΔ			82m†	1.0 †	-55	125	3	G04387j	M318
61	S5420A	4		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			55m†	1.0 †	-55	125	2	G04387n	M318
62	S5426A	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	24nΔ			110m†	1.0 †	-55	125	4	G04387c	M318
63	S5430A	4		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			30m†	1.0 †	-55	125	1	G04387h	M318
64	S5440J	4		MON	2.0%	.80*	TTL	4	30	0.0	5.0	8.0n			412m†		-55	125	2	G0415b	TO88
65	SE416J	4		MON	2.0%	.80*	TTL	5Δ	7†	0	6	65n	10n	10n	18m	1.0 Δ	-55	125	2	G04258	TO88
66	SE417J	4		MON	2.0%	.80*	TTL	4Δ	8	0	6	35n			18m	1.0 Δ	-55	125	2	G04325a	TO88
67	SN54H00	4		MON	2.0%	.80*	TTL	2	10	0.0	7.0	6.0n%			88m†	1.0 Δ	-55	125	4	G0415a	TO84
68	SN54H00F	4		MON	2.0%	.80*	TTL	2	10	0	7	10nΔ				1.0 Δ	-55	125	4	G0415a	TO84
69	SN54H00N	4		MON	2.0%	.80*	TTL	2	10	0	7	10nΔ				1.0 Δ	-55	125	4	G0415a	M126
70	SN54H01N	4		MON	2.0%	.80*	TTL	2	10	0.0	5.0	9.0nΔ			80m†	1.0 Δ	-55	125	4	G04386	M126
71	SN54H10F	4		MON	2.0%	.80*	TTL	3	10	0	7	10nΔ				1.0 Δ	-55	125	3	G0415f	TO84
72	SN54H10N	4		MON	2.0%	.80*	TTL	3	10	0	7	10nΔ				1.0 Δ	-55	125	3	G0415f	M126
73	SN54H20	4		MON	2.0%	.80*	TTL	4	10	0.0	7.0	6.0n%			44m†	1.0 Δ	-55	125	2	G0415b	TO84
74	SN54H20F	4		MON	2.0%	.80*	TTL	4	10	0	7	10nΔ				1.0 Δ	-55	125	2	G0415b	TO84
75	SN																				

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN IN	OUT MAX.	POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME (s)		MAX. FALL TIME (s)	TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					LEVEL	TYPE	IN			NEG. (V)	POS. (V)		tr	tf				LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=MO
1	SN5401N	4		MON	2.0%	80*	TTL	2	10	0.0	5.5	30nΔ			10mΔ	1.0	-55	125	4			
2	SN5403N	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	45nΔ			40mΔ	1.0 Δ	-55	125	4	G04399a	M75a	
3	SN5410N	4		MON	2.0%	80*	TTL	3	10	0.0	5.5	22n			10mΔ	1.0	-55	125	3		M126	
4	SN5412N	4		MON	2.0%	80*	TTL	3	10	0.0	5.0	45nΔ			82mΔ	1.0	-55	125	3	G04450d	M126e	
5	SN5420N	4		MON	2.0%	80*	TTL	4	10	0.0	5.5	22n			10mΔ	1.0	-55	125	2		M75a	
6	SN5422N	4		MON	2.0%	80*	TTL	4	10	0.0	5.0	45nΔ			55mΔ	1.0 Δ	-55	125	2	G04387b	M126e	
7	SN5426N	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	24nΔ			110mΔ	1.0	-55	125	4	G04342a	M126a	
8	SN5430N	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	22nΔ			10mΔ	1.0	-55	125	4		M75a	
9	SN5437N	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	22nΔ			297m	1.0	-55	125	4	G04388b	M126e	
10	SN5438N	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	22nΔ			297m	1.0	-55	125	4	G04387c	M126e	
11	SN5440N	4		MON	2.0%	80*	TTL	4	30	0.0	5.0	22nΔ			135mΔ	1.0 Δ	-55	125	2	G0415b	M126e	
12#	SN6400N	4		MON	2.0%	80*	TTL	2	10	0.0	7.0	22nΔ			10mΔ	1.0	-40	85	4	G0414	M126	
13#	SN6401AN	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	30nΔ			10mΔ	1.0	-40	85	4	G04233a	M75a	
14#	SN6401N	4		MON	2.0%	80*	TTL	2	10	0.0	7.0	30nΔ			10mΔ	1.0	-40	85	4	G04233b	M126	
15#	SN6403N	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	30nΔ			10mΔ	1.0	-40	85	4	G04233b	M75a	
16#	SN6410N	4		MON	2.0%	80*	TTL	3	10	0.0	7.0	22n			10mΔ	1.0	-40	85	3	G0414a	M126	
17#	SN6420N	4		MON	2.0%	80*	TTL	4	10	0.0	7.0	22nΔ			10mΔ	1.0	-40	85	2	G0414b	M126	
18#	SN6430N	4		MON	2.0%	80*	TTL	8	10	0.0	7.0	22nΔ			10mΔ	1.0	-40	85	1	G0414c	M126	
19#	SN6440N	4		MON	2.0%	80*	TTL	4	30	0.0	7.0	13nΔ			27m	1.0	-40	85	2	G0415	M75a	
20	SN7400	4		MON	2.0%	80*	TTL	2	10	0	7	22n			40m	1.0	0	70	4	G0414	TO84	
21	SN7401	4		MON	2.0%	80*	TTL	2	10	0.0	7.0	30nΔ			10mΔ	1.0	0	70	4	G04233a	TO84	
22	SN7401W	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	45nΔ			40mΔ	1.0 Δ	0	70	4	G04233a	TO84	
23	SN7410	4		MON	2.0%	80*	TTL	3	10	0	7	22nΔ			30m	1.0	0	70	3	G0414a	TO84	
24	SN7420	4		MON	2.0%	80*	TTL	4	20	0.0	7.0	22n			10mΔ	1.0	0	70	2	G0414b	TO84	
25	SN7422W	4		MON	2.0%	80*	TTL	4	10	0.0	5.0	35n			55mΔ	1.0 Δ	0	70	2	G04387b	Δ004AA	
26	SN7426W	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	24nΔ			110mΔ	1.0	0	70	4	G04342a	TO84	
27	SN7430	4		MON	2.0%	80*	TTL	8	10	0.0	7.0	22n			10mΔ	1.0	0	70	1	G0414c	TO84	
28	SN7437W	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	22nΔ			297m	1.0	0	70	4	G04388b	TO84	
29	SN7438W	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	22nΔ			297m	1.0	0	70	4	G04387c	TO84	
30	SN7440	4		MON	2.0%	80*	TTL	4	10	0	7	22nΔ			40m	1.0	0	70	2	G0415	TO84	
31	SN7440W	4		MON	2.0%	80*	TTL	4	30	0.0	5.0	22nΔ			135mΔ	1.0 Δ	0	70	2	G0415b	Δ004AA	
32	SP416A	4		MON	2.0%	80*	TTL	5Δ	7	0	6	30n	10n	10n	24m	1.5	15	55	2	G04258a	TO116	
33	SP417A	4		MON	2.0%	80*	TTL	4Δ	7	0	6	30n	10n	10n	24m	1.5	15	55	2	G04258a	TO116	
34	SP808A	4		MON	2.0%	80*	TTL	8	0	0	6	25m	2.0	15	55	1	15	55	1	G04273	TO116	
35	SP816A	4		MON	2.0%	80*	TTL	4	0	0	6	50m	2.0	15	55	2	15	55	2	G04273a	TO116	
36	SP855A	4		MON	2.0%	80*	TTL	4	0	0	6	90m	2.0	15	55	2	15	55	2	G0415k	TO116	
37	SP870A	4		MON	2.0%	80*	TTL	3	0	0	6	75m	2.0	15	55	3	15	55	3	G04273b	TO116	
38	SP880A	4		MON	2.0%	80*	TTL	2	0	0	6	100m	2.0	15	55	4	15	55	4	G04273c	TO116	
39	ST416A	4		MON	2.0%	80*	TTL	5Δ	7	0	6	24m	1.5	0	70	2	15	55	2	G04258a	TO116	
40	ST417A	4		MON	2.0%	80*	TTL	4Δ	7	0	6	30n	10n	10n	24m	1.5	0	70	2	G04258a	TO116	
41	ST808A	4		MON	2.0%	80*	TTL	8	0	0	6	25m	2.0	0	70	1	15	55	1	G04273	TO116	
42	ST816A	4		MON	2.0%	80*	TTL	4	0	0	6	50m	2.0	0	70	2	15	55	2	G04273a	TO116	
43	ST855A	4		MON	2.0%	80*	TTL	4	0	0	6	90m	2.0	0	70	2	15	55	2	G0415k	TO116	
44	ST870A	4		MON	2.0%	80*	TTL	3	0	0	6	75m	2.0	0	70	3	15	55	3	G04273b	TO116	
45	ST880A	4		MON	2.0%	80*	TTL	2	0	0	6	100m	2.0	0	70	4	15	55	4	G04273c	TO116	
46	SW5400H	4		MON	2.0%	80*	TTL	2	10	0.0	5.5	22nΔ			10m	1.0	-55	125	4	G04358e	FPZ	
47	SW5401H	4		MON	2.0%	80*	TTL	2	10	0.0	5.5	30nΔ			10m	1.0	-55	125	4	G04233a	FPZ	
48	SW5410H	4		MON	2.0%	80*	TTL	3	10	0.0	5.5	22nΔ			10mΔ	1.0	-55	125	3	G0414a	FPZ	
49	SW5420H	4		MON	2.0%	80*	TTL	4	10	0.0	5.5	22nΔ			10mΔ	1.0	-55	125	2	G0414b	FPZ	
50	SW5430H	4		MON	2.0%	80*	TTL	8	10	0.0	5.5	22nΔ			10mΔ	1.0	-55	125	1	G0414c	FPZ	
51	SW5437H	4		MON	2.0%	80*	TTL	2	30	0.0	5.0	22nΔ			297m	1.0	-55	125	4	G04388b	TO86	
52	SW5438H	4		MON	2.0%	80*	TTL	2	30	0.0	5.0	22nΔ			297m	1.0	-55	125	4	G04388c	TO86	
53	SW5440H	4		MON	2.0%	80*	TTL	4	30	0.0	5.5	22nΔ			40m	1.0	-55	125	2	G0415b	FPZ	
54	SW7400H	4		MON	2.0%	80*	TTL	2	10	0.0	5.25	22nΔ			10m	1.0	0	70	4	G04358e	FPZ	
55	SW7400J	4		MON	2.0%	80*	TTL	2	10	0.0	5.25	22nΔ			40m	1.0	0	70	4	G04358f	M114	
56	SW7400N	4		MON	2.0%	80*	TTL	2	10	0.0	5.25	22nΔ			10m	1.0	0	70	4	G04358f	M105n	
57	SW7401H	4		MON	2.0%	80*	TTL	2	10	0.0	5.25	30nΔ			10m	1.0	0	70	4	G04233a	FPZ	
58	SW7401J	4		MON	2.0%	80*	TTL	2	10	0.0	5.25	30nΔ			10m	1.0	0	70	4	G04233a	M114	
59	SW7401N	4		MON	2.0%	80*	TTL	2	10	0.0	5.25	30nΔ			10m	1.0	0	70	4	G04233a	M105n	
60	SW7403J	4		MON	2.0%	80*	TTL	2	10	0.0	5.25	30nΔ			10m	1.0	0	70	4	G04233b	M114	
61	SW7403N	4		MON	2.0%	80*	TTL	2	10	0.0	5.25	30nΔ			10m	1.0	0	70	4	G04233b	M105n	
62	SW7408N	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	27nΔ			130mΔ	1.0	0	70	4	G0414a	M126a	
63	SW7410H	4		MON	2.0%	80*	TTL	3	10	0.0	5.25	22nΔ			10mΔ	1.0	0	70	3	G0414a	FPZ	
64	SW7410J	4		MON	2.0%	80*	TTL	3	10	0.0	5.25	22nΔ			10mΔ	1.0	0	70	3	G0414a	M114	
65	SW7410N	4		MON	2.0%	80*	TTL	3	10	0.0	5.25	22nΔ			10mΔ	1.0	0	70	3	G0414a	M105n	
66	SW7420H	4		MON	2.0%	80*	TTL	4	10	0.0	5.25	22nΔ			10mΔ	1.0	0	70	2	G0414b	FPZ	
67	SW7420J	4		MON	2.0%	80*	TTL	4	10	0.0	5.25	22nΔ			10mΔ	1.0	0	70	2	G0414b	M114	
68	SW7420N	4		MON	2.0%	80*	TTL	4	10	0.0	5.25	22nΔ			10mΔ	1.0	0	70	2	G0414b	M105n	
69	SW7426N	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	24nΔ			110mΔ	1.0	0	70	1	G04342a	M105n	
70	SW7430H	4		MON	2.0%	80*	TTL	8	10	0.0	5.25	22nΔ			10mΔ	1.0	0	70	1	G0414c	FPZ	
71	SW7430J	4		MON	2.0%	80*	TTL	8	10	0.0	5.25	22nΔ			10mΔ	1.0	0	70	1	G0414c	M114	
72	SW7430N	4		MON	2.0%	80*	TTL	8	10	0.0	5.25	22nΔ			10mΔ	1.0	0	70	1	G0414c	M105n	
73	SW7437J	4		MON	2.0%	80*	TTL	2	30	0.0	5.0	22nΔ			297m	1.0	0	70	4	G04388b	TO116	
74	SW7437N	4		MON	2.0%	80*	TTL	2	30	0.0	5.0	22nΔ			2							

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL	LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN IN	OUT MAX.	POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
						LEVEL	TYPE	IN			NEG. (V)	POS. (V)		tr (s)	t _f (s)			LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=MO
	1#	T7401B1	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	45nΔ			40m1	1.0 Δ	0	70	4	G043az	M126u
	2#	T7401D1	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	45nΔ			40m1	1.0 Δ	0	70	4	G043az	M294
	3#	T7401D2	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	45nΔ			40m1	1.0 Δ	-55	125	4	G043az	M294
	4#	T7403B1	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	45uΔ			40m1	1.0 Δ	0	70	4	G043g	M126u
	5#	T7403D1	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	45nΔ			40m1	1.0 Δ	0	70	4	G043g	M294
	6#	T7403D2	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	45nΔ			40m1	1.0 Δ	-55	125	4	G043g	M294
	7#	T7408D1	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	27nΔ			270m5		0	70	4	G04478	M294d
	8#	T7408D2	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	27nΔ			270m5		-55	125	4	G04478	M294d
	9#	T7409D1	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	32nΔ			270m5		0	70	4	G04478	M294d
	10#	T7409D2	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	32nΔ			270m5		-55	125	4	G04478	M294d
	11#	T7410B1	4		MON	2.0%	80*	TTL	3	10	0.0	5.0	22nΔ			30m1	1.0 Δ	0	70	3	G043b	M126u
	12#	T7410D1	4		MON	2.0%	80*	TTL	3	10	0.0	5.0	22nΔ			30m1	1.0 Δ	0	70	3	G043b	M294
	13#	T7410D2	4		MON	2.0%	80*	TTL	3	10	0.0	5.0	22nΔ			30m1	1.0 Δ	-55	125	3	G043b	M294
	14#	T7420B1	4		MON	2.0%	80*	TTL	4	10	0.0	5.0	22nΔ			20m1	1.0 Δ	0	70	2	G043s	M126u
	15#	T7420D1	4		MON	2.0%	80*	TTL	4	10	0.0	5.0	22nΔ			20m1	1.0 Δ	0	70	2	G043s	M294
	16#	T7420D2	4		MON	2.0%	80*	TTL	4	10	0.0	5.0	22nΔ			20m1	1.0 Δ	-55	125	2	G043s	M294
	17#	T7426B1	4		MON	2.0%	80	TTL	2	10	0.0	5.0	24nΔ			150m5		0	70	4	G043as	M126u
	18#	T7426D1	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	24nΔ			150m5		0	70	4	G043as	M294
	19#	T7426D2	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	24nΔ			150m5		-55	125	4	G043as	M294
	20#	T7430B1	4		MON	2.0%	80*	TTL	8	10	0.0	5.0	22nΔ			10m1	1.0 Δ	0	70	1	G043ay	M126u
	21#	T7430D1	4		MON	2.0%	80*	TTL	8	10	0.0	5.0	22nΔ			10m1	1.0 Δ	0	70	1	G043ay	M294
	22#	T7430D2	4		MON	2.0%	80*	TTL	8	10	0.0	5.0	22nΔ			10m1	1.0 Δ	-55	125	1	G043ay	M294
	23#	T7440B1	4		MON	2.0%	80*	TTL	4	10	0.0	5.0	22nΔ			20m1	1.0 Δ	0	70	2	G043s	M126u
	24#	T7440D1	4		MON	2.0%	80*	TTL	4	10	0.0	5.0	22nΔ			20m1	1.0 Δ	0	70	2	G043s	M294
	25#	T7440D2	4		MON	2.0%	80*	TTL	4	10	0.0	5.0	22nΔ			20m1	1.0 Δ	-55	125	2	G043s	M294
	26	TG54S00F	4		MON	2.0%	80*	TTL	2	20	0.0	5.0	5.0nΔ			180m5		-55	125	4	G04377	TO86
	27	TG54S00J	4		MON	2.0%	80*	TTL	2	20	0.0	5.0	5.0nΔ			180m5		-55	125	4	G04377	M157c
	28	TG54S01F	4		MON	2.0%	80*	TTL	4	20	0.0	5.0	7.5nΔ			45m5		-55	125	4	G04386	TO86
	29	TG54S01J	4		MON	2.0%	80*	TTL	4	20	0.0	5.0	7.5nΔ			45m5		-55	125	4	G04386	M157c
	30	TG54S03F	4		MON	2.0%	80*	TTL	2	20	0.0	5.0	7.5nΔ			45m5		-55	125	4	G04386	TO86
	31	TG54S03J	4		MON	2.0%	80*	TTL	2	20	0.0	5.0	7.5nΔ			45m5		-55	125	4	G04386	M157c
	32	TG54S10F	4		MON	2.0%	80*	TTL	3	20	0.0	5.0	5.0nΔ			120m5		-55	125	3	G04377a	TO86
	33	TG54S10J	4		MON	2.0%	80*	TTL	3	20	0.0	5.0	5.0nΔ			120m5		-55	125	3	G04377a	M157c
	34	TG54S20F	4		MON	2.0%	80*	TTL	4	20	0.0	5.0	5.0nΔ			90m5		-55	125	2	G04377c	TO86
	35	TG54S20J	4		MON	2.0%	80*	TTL	4	20	0.0	5.0	5.0nΔ			90m5		-55	125	2	G04377c	M157c
	36	TG54S22F	4		MON	2.0%	80*	TTL	2	20	0.0	5.0	7.5nΔ			45m5		-55	125	2	G04386b	TO86
	37	TG54S22J	4		MON	2.0%	80*	TTL	2	20	0.0	5.0	7.5nΔ			45m5		-55	125	2	G04386b	M157c
	38	TG54S30F	4		MON	2.0%	80*	TTL	8	20	0.0	5.0	7.0nΔ			45m5		-55	125	1	G04377g	TO86
	39	TG54S30J	4		MON	2.0%	80*	TTL	8	20	0.0	5.0	7.0nΔ			45m5		-55	125	1	G04377g	M157c
	40	TG54S40F	4		MON	2.0%	80	TTL	4	60	0.0	5.0	4.0n			110m	1.0	-55	125	2	G04386b	Δ004AA
	41	TG54S40J	4		MON	2.0%	80	TTL	4	60	0.0	5.0	4.0n			110m	1.0	-55	125	2	G04386b	M157b
	42	TG54S140F	4		MON	2.0%	80	TTL	4	60	0.0	5.0	4.0n			110m	1.0	-55	125	2	G04377b	Δ004AA
	43	TG54S140J	4		MON	2.0%	80	TTL	4	60	0.0	5.0	4.0n			110m	1.0	-55	125	2	G04377b	M157b
	44	TG74S00F	4		MON	2.0%	80*	TTL	2	20	0.0	5.0	5.0nΔ			180m5		0	70	4	G04377	TO86
	45	TG74S00J	4		MON	2.0%	80*	TTL	2	20	0.0	5.0	5.0nΔ			180m5		0	70	4	G04377	M157c
	46	TG74S01F	4		MON	2.0%	80*	TTL	4	20	0.0	5.0	7.5nΔ			45m5		0	70	4	G04386	TO86
	47	TG74S01J	4		MON	2.0%	80*	TTL	4	20	0.0	5.0	7.5nΔ			45m5		0	70	4	G04386	M157c
	48	TG74S03F	4		MON	2.0%	80*	TTL	2	20	0.0	5.0	7.5nΔ			45m5		0	70	4	G04386	TO86
	49	TG74S03J	4		MON	2.0%	80*	TTL	2	20	0.0	5.0	7.5nΔ			45m5		0	70	4	G04386	M157c
	50	TG74S10F	4		MON	2.0%	80*	TTL	3	20	0.0	5.0	5.0nΔ			120m5		0	70	3	G04377a	TO86
	51	TG74S10J	4		MON	2.0%	80*	TTL	3	20	0.0	5.0	5.0nΔ			120m5		0	70	3	G04377a	M157c
	52	TG74S20F	4		MON	2.0%	80*	TTL	4	20	0.0	5.0	5.0nΔ			90m5		0	70	2	G04377c	TO86
	53	TG74S20J	4		MON	2.0%	80*	TTL	4	20	0.0	5.0	5.0nΔ			90m5		0	70	2	G04377c	M157c
	54	TG74S22F	4		MON	2.0%	80*	TTL	2	20	0.0	5.0	5.5nΔ			45m5		0	70	2	G04386b	TO86
	55	TG74S22J	4		MON	2.0%	80*	TTL	2	20	0.0	5.0	5.5nΔ			45m5		0	70	2	G04386b	M157c
	56	TG74S30F	4		MON	2.0%	80*	TTL	8	20	0.0	5.0	7.0nΔ			45m5		0	70	1	G04377g	TO86
	57	TG74S30J	4		MON	2.0%	80*	TTL	8	20	0.0	5.0	7.0nΔ			45m5		0	70	1	G04377g	M157c
	58	TG74S40F	4		MON	2.0%	80	TTL	4	60	0.0	5.0	7.5n			110m	1.0	0	70	2	G04377b	Δ004AA
	59	TG74S40J	4		MON	2.0%	80	TTL	4	60	0.0	5.0	7.5n			110m	1.0	0	70	2	G04377b	M157b
	60	TG74S140F	4		MON	2.0%	80	TTL	4	60	0.0	5.0	4.0n			110m	1.0	0	70	2	G04377b	Δ004AA
	61	TG74S140J	4		MON	2.0%	80	TTL	4	60	0.0	5.0	4.0n			110m	1.0	0	70	2	G04377b	M157b
	62	TG7400E	4		MON	2.0%	80*	TTL	2	10	0	7	22n%			40m	1.0	0	70	4	G0414	TO116
	63	TG7401E	4		MON	2.0%	80*	TTL	2	10	0	7	30n%			40m	1.0	0	70	4	G04233a	TO116
	64	TG7410E	4		MON	2.0%	80*	TTL	3	10	0.0	7.0	22n			10mΔ	1.0	0	70	3	G0414a	TO116
	65	TG7420E	4		MON	2.0%	80*	TTL	4	10	0.0	7.0	22n			10mΔ	1.0	0	70	2	G0414b	TO116
	66	TG7430E	4		MON	2.0%	80*	TTL	8	10	0	7	22n%			10m1	1.0	0	70	1	G0414c	TO116
	67	TG7440E	4		MON	2.0%	80*	TTL	4	30	0.0	7.0	13n			27mΔ	1.0	0	70	2	G0415	TO116
	68#	TL4929N	4		MON	2.0%	80*	TTL	21	10	0.0	5.0	22nΔ			157m1		0	70	6	G04387m	M117u
	69#	TL4930N	4		MON	2.0%	80*	TTL	2	30	0.0	5.0	22nΔ			183m1		0	70	4	G04426b	M126n
	70#	TL4931N	4		MON	2.0%	80*	TTL	5	10	0.0	5.0	22nΔ			42m1		0	70	2	G04387n	M126n
	71#	TL7400N	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	22nΔ			78m1		0	70	4	G04387k	M126n
	72#	TL7401N	4		MON	2.0%	80*	TTL	2	10</												

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL			FAN OUT		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					'1' (V)	'0' (V)	TYPE	IN	OUT MAX.	NEG. (V)	POS. (V)		tr (s)	tf (s)			LOW	HI		LOGIC DWG. No	OUTLINE DWG. No
1	US54H01A	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	15nΔ	45n	10n	80mt	1.0 Δ	-55	125	4	G04387	M105b
2	US54H01J	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	15nΔ	45n	10n	80mt	1.0 Δ	-55	125	4	G04387	T088
3	US54H10A	4		MON	2.0%	80*	TTL	3	10	0.0	5.0	10nΔ	10n	10n		1.0 Δ	-55	125	3	G0415f	M105b
4	US54H10J	4		MON	2.0%	80*	TTL	3	10	0.0	5.0	10nΔ	10n	10n		1.0 Δ	-55	125	3	G0415f	T088
5	US54H20A	4		MON	2.0%	80*	TTL	4	10	0.0	5.0	10nΔ	10n	10n		1.0 Δ	-55	125	2	G0415b	M105b
6	US54H20J	4		MON	2.0%	80*	TTL	4	10	0.0	5.0	10nΔ	10n	10n		1.0 Δ	-55	125	2	G0415b	T088
7	US54H22A	4		MON	2.0%	80*	TTL	4	10	0.0	5.0	18nΔ	45n	10n	75mt	1.0 Δ	-55	125	2	G04387b	M105b
8	US54H22J	4		MON	2.0%	80*	TTL	4	10	0.0	5.0	18nΔ	45n	10n	75mt	1.0 Δ	-55	125	2	G04387b	T088
9	US54H30A	4		MON	2.0%	80*	TTL	8	10	0.0	5.0	12nΔ	10n	10n		1.0 Δ	-55	125	1	G04150a	M105b
10	US54H30J	4		MON	2.0%	80*	TTL	8	10	0.0	5.0	12nΔ	10n	10n		1.0 Δ	-55	125	1	G04150a	T088
11	US54H37A	4		MON	2.0%	80*	TTL	2	30	0.0	5.0	9.0n			140mt	1.0 Δ	-55	125	4	G0415a	M105b
12	US54H37J	4		MON	2.0%	80*	TTL	2	30	0.0	5.0	9.0n			140mt	1.0 Δ	-55	125	4	G0415a	T088
13	US54H40A	4		MON	2.0%	80*	TTL	4	30	0.0	5.0	12nΔ	25n	10n		1.0 Δ	-55	125	2	G0415b	M105b
14	US54H40J	4		MON	2.0%	80*	TTL	4	30	0.0	5.0	12nΔ	25n	10n		1.0 Δ	-55	125	2	G0415b	T088
15	US74H00A	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	10nΔ	10n	10n		1.0 Δ	0	70	4	G0415a	M105b
16	US74H00J	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	10nΔ	10n	10n		1.0 Δ	0	70	4	G0415a	T088
17	US74H01A	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	15nΔ	45n	10n	80mt	1.0 Δ	0	70	4	G04387	M105b
18	US74H01J	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	15nΔ	45n	10n	80mt	1.0 Δ	0	70	4	G04387	T088
19	US74H10A	4		MON	2.0%	80*	TTL	3	10	0.0	5.0	10nΔ	10n	10n		1.0 Δ	0	70	3	G0415f	M105b
20	US74H10J	4		MON	2.0%	80*	TTL	3	10	0.0	5.0	10nΔ	10n	10n		1.0 Δ	0	70	3	G0415f	T088
21	US74H20A	4		MON	2.0%	80*	TTL	4	10	0.0	5.0	10nΔ	10n	10n		1.0 Δ	0	70	2	G0415b	M105b
22	US74H20J	4		MON	2.0%	80*	TTL	4	10	0.0	5.0	10nΔ	10n	10n		1.0 Δ	0	70	2	G0415b	T088
23	US74H22A	4		MON	2.0%	80*	TTL	4	10	0.0	5.0	18nΔ	45n	10n	75mt	1.0 Δ	0	70	2	G04387b	M105b
24	US74H22J	4		MON	2.0%	80*	TTL	4	10	0.0	5.0	18nΔ	45n	10n	75mt	1.0 Δ	0	70	2	G04387b	T088
25	US74H30A	4		MON	2.0%	80*	TTL	8	10	0.0	5.0	12nΔ	10n	10n		1.0 Δ	0	70	1	G04150a	M105b
26	US74H30J	4		MON	2.0%	80*	TTL	8	10	0.0	5.0	12nΔ	10n	10n		1.0 Δ	0	70	1	G04150a	T088
27	US74H37A	4		MON	2.0%	80*	TTL	2	30	0.0	5.0	9.0n			140mt	1.0 Δ	0	70	4	G0415a	M105b
28	US74H37J	4		MON	2.0%	80*	TTL	2	30	0.0	5.0	9.0n			140mt	1.0 Δ	0	70	4	G0415a	T088
29	US74H40A	4		MON	2.0%	80*	TTL	4	30	0.0	5.0	12nΔ	25n	10n		1.0 Δ	0	70	2	G0415b	M105b
30	US74H40J	4		MON	2.0%	80*	TTL	4	30	0.0	5.0	12nΔ	25n	10n		1.0 Δ	0	70	2	G0415b	T088
31	US5400A	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	10n	18n	8.0n			-55	125	4	G04358f	M105b
32	US5400J	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	10n	18n	8.0n			-55	125	4	G04358e	T088
33	US5401A	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	11n	40n	12n			-55	125	4	G04387a	M105b
34	US5401J	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	11n	40n	12n			-55	125	4	G04387	T088
35	US5403A	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	11n	40n	12n			-55	125	4	G04387b	M105b
36	US5409A	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	30nΔ	40n	12n			-55	125	4	G04401	M105b
37	US5409J	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	30nΔ	40n	12n			-55	125	4	G04401	T088
38	US5410A	4		MON	2.0%	80*	TTL	3	10	0.0	5.0	10n	18n	8.0n			-55	125	3	G04358h	M105b
39	US5410J	4		MON	2.0%	80*	TTL	3	10	0.0	5.0	10n	18n	8.0n			-55	125	3	G04358g	T088
40	US5420A	4		MON	2.0%	80*	TTL	4	10	0.0	5.0	10n	18n	8.0n			-55	125	2	G04358k	M105b
41	US5420J	4		MON	2.0%	80*	TTL	4	10	0.0	5.0	10n	18n	8.0n			-55	125	2	G04358j	T088
42	US5426A	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	15n			40mt	1.0 Δ	-55	125	4	G04387a	M105b
43	US5430A	4		MON	2.0%	80*	TTL	8	10	0.0	5.0	10n	18n	8.0n			-55	125	1	G04358n	M105b
44	US5430J	4		MON	2.0%	80*	TTL	8	10	0.0	5.0	10n	18n	8.0n			-55	125	1	G04358m	T088
45	US5438A	4		MON	2.0%	80*	TTL	2	30	0.0	5.0	15n			85mt	1.0 Δ	-55	125	4	G04387	M105b
46	US5438J	4		MON	2.0%	80*	TTL	2	30	0.0	5.0	15n			85mt	1.0 Δ	-55	125	4	G04387	T088
47	US5440A	4		MON	2.0%	80*	TTL	4	30	0.0	5.0	10n	18n	8.0n			-55	125	2	G04388a	M105b
48	US5440J	4		MON	2.0%	80*	TTL	4	30	0.0	5.0	10n	18n	8.0n			-55	125	2	G04388	T088
49	US7400A	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	10n	18n	8.0n			0	70	4	G04358f	M105b
50	US7400J	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	10n	18n	8.0n			0	70	4	G04358e	T088
51	US7401A	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	11n	40n	12n			0	70	4	G04387a	M105b
52	US7401J	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	11n	40n	12n			0	70	4	G04387	T088
53	US7403A	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	11n	40n	12n			0	70	4	G04387b	M105b
54	US7409A	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	30nΔ	40n	12n			0	70	4	G04401	M105b
55	US7409J	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	30nΔ	40n	12n			0	70	4	G04401	T088
56	US7410A	4		MON	2.0%	80*	TTL	3	10	0.0	5.0	10n	18n	8.0n			0	70	3	G04358h	M105b
57	US7410J	4		MON	2.0%	80*	TTL	3	10	0.0	5.0	10n	18n	8.0n			0	70	3	G04358g	T088
58	US7420A	4		MON	2.0%	80*	TTL	4	10	0.0	5.0	10n	18n	8.0n			0	70	2	G04358k	M105b
59	US7420J	4		MON	2.0%	80*	TTL	4	10	0.0	5.0	10n	18n	8.0n			0	70	2	G04358j	T088
60	US7426A	4		MON	2.0%	80*	TTL	2	10	0.0	5.0	15n			40mt	1.0 Δ	0	70	4	G04387a	M105b
61	US7430A	4		MON	2.0%	80*	TTL	8	10	0.0	5.0	10n	18n	8.0n			0	70	1	G04358n	M105b
62	US7430J	4		MON	2.0%	80*	TTL	8	10	0.0	5.0	10n	18n	8.0n			0	70	1	G04358m	T088
63	US7438A	4		MON	2.0%	80*	TTL	2	30	0.0	5.0	15n			85mt	1.0 Δ	0	70	4	G04387	M105b
64	US7438J	4		MON	2.0%	80*	TTL	2	30	0.0	5.0	15n			85mt	1.0 Δ	0	70	4	G04387	T088
65	US7440A	4		MON	2.0%	80*	TTL	4	30	0.0	5.0	10n	18n	8.0n			0	70	2	G04388a	M105b
66	US7440J	4		MON	2.0%	80*	TTL	4	30	0.0	5.0	10n	18n	8.0n			0	70	2	G04388	T088
67	USN7400A	4		MON	2.0%	80*	TTL	2	10	0	7	29nΔ			40mt	1.0 Δ	0	70	4	G0414	TO116
68	USN7400J	4		MON	2.0%	80*	TTL	2	10	0	7	29nΔ			40mt	1.0 Δ	0	70	4	G0414	T088
69	USN7401A	4		MON	2.0%	80*	TTL	2	10	0	7	45nΔ			40mt	1.0 Δ	0	70	4	G04233a	TO116
70	USN7401J	4		MON	2.0%	80*	TTL	2	10	0	7	45nΔ			40mt	1.0 Δ	0	70	4	G04233a	T088
71	USN7410A	4		MON	2.0%	80*	TTL	3	10	0	7	29nΔ			30m	1.0 Δ	0	70	3	G0414a	TO116
72	USN7410J	4		MON	2.0%	80*	TTL	3	10	0	7	29nΔ			30m	1.0 Δ	0	70	3	G0414a	T088
73	USN7420A	4		MON</																	

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN OUT		POWER SUPPLY		PROPAGATION DELAY (s)	MAX. RISE TIME		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					LEVEL	TYPE	IN	OUT	NEG. (V)	POS. (V)	tr (s)		tf (s)	LOW			HI	LOGIC DWG. No		OUTLINE DWG. No	
																					'1' (V)
1	GG959	4	2.0	PCB	2.0	.80*	TTL	4	10	0	5	13n			120m	400m	0	70	8		CBZ
2	TG907	4	2.0	PCB	2.0	.80*	TTL	20	10	0	5	13n			300m	400m	0	70	16		CBZ
3	SE980J	4	3.0	MON	2.0	.80*	TTL	2	10	0.0	6.0	13n			60m	1.0 Δ	-55	125	4	G04273c	TO88
4	D4203	4	1.0	PCB	2.0	.95*	TTL	2	10	0	5	15n	10nt	10nt	275m	1.0 Δ	0	75	16		CBZ
5	D4204	4	1.0	PCB	2.0	.95*	TTL	4	10	0	5	15n	10nt	10nt	125m	1.0 Δ	0	75	8		CBZ
6	D4211	4	1.0	PCB	2.0	.95*	TTL	3	10	0	5	15n	10nt	10nt	400m	1.0 Δ	0	75	12		CBZ
7	D4212	4	1.0	PCB	2.0	.95*	TTL	4	30	0	5	14n	10nt	10nt	375m	1.0 Δ	0	75	8		CBZ
8	FHH101A	4		MON	2.3	.40*	TTL	8	9	0	5	6n			22m	1.0	0	75	1	G04240a	TO116
9	FHH101B	4		MON	2.3	.40*	TTL	8	5	0	5	6n			22m	1.0	0	75	1	G04240a	TO116
10	FHH121A	4		MON	2.3	.40*	TTL	4	9	0	7	6n			44m	1.0	0	75	2	G04240	TO116
11	FHH121B	4		MON	2.3	.40*	TTL	4	5	0	5	6n			44m	1.0	0	75	2	G04240	TO116
12	FHH141A	4		MON	2.3	.40*	TTL	2	9	0	5	6n			88m	1.0	0	75	4	G04240b	TO116
13	FHH141B	4		MON	2.3	.40*	TTL	2	5	0	5	6n			88m	1.0	0	75	4	G04240b	TO116
14	PL104	4		MON	2.3	.40*	TTL	8	15	0.0	6.0	50nΔ			15m		-55	125	1	G04179a	FP1
15	B01A	4	10M	MON	2.3	.50	TTL	8	12	0.0	6.0	10n			16m	300m	-55	125	1	G04150	CN16a
16	B01B	4	10M	MON	2.3	.50	TTL	8	12	0.0	6.0	10n			16m	300m	-55	125	1	G04150	TO84
17	B02A	4	10M	MON	2.3	.50	TTL	4	12	0.0	6.0	10n			33m	300m	-55	125	2	G04151	CN16a
18	B02B	4	10M	MON	2.3	.50	TTL	4	12	0.0	6.0	10n			33m	300m	-55	125	2	G04151	TO84
19	7413PC	4		MON	2.4	.40*	TTL	2	10A	0.0	5.0	25nΔ					0	70	2	G04516	M655
20	HDT54HOOR	4		MON	2.4	.40*	TTL	2	10	0.0	8.0	8.5n			200m	1.2 Δ	-55	125	4	G0415a	TO86
21	HDT54H2OR	4		MON	2.4	.40*	TTL	4	10	0.0	8.0	8.5n			100m	1.2 Δ	-55	125	2	G0415a	TO86
22	MCE54HO1F	4		MON	2.4	.40*	TTL	2	10	0.0	5.0	8.0nt			80m		-55	125	4	G04425a	TO86
23	MCE74HO1F	4		MON	2.4	.40*	TTL	2	10	0.0	5.0	8.0nt			80m		0	70	4	G04425a	TO86
24	RDT54HOOR	4		MON	2.4	.40*	TTL	2	10	0.0	8.0	8.5n			200m	1.2 Δ	-55	125	4	G0415a	TO86
25	RDT54H2OR	4		MON	2.4	.40*	TTL	4	10	0.0	8.0	8.5n			100m	1.2 Δ	-55	125	2	G0415b	TO86
26	SN54965	4		MON	2.4	.40	TTL	8	10	0	5	13n			10m	400m	-55	125	1	G043ae	ZB6
27	SN74965	4		MON	2.4	.40	TTL	8	10	0	5	13n			10m	400m	0	70	1	G043ae	ZB6
28	SN54930	4		MON	2.5	.45*Δ	TTL	4	10	0	5.5	13n			5.0m	400m	-55	125	2	G0414d	ZB6
29	SN54946	4		MON	2.5	.45*Δ	TTL	2	10	0	5.5	13n			20m	400m	-55	125	4	G0414e	ZB6
30	510BH	4		MON	2.7	.20	TTL	6	10	0.0	5.5				6.0m		-55	125			
31	511BH	4		MON	2.7	.20	TTL	6	10	0.0	5.5				3.0m		-55	125			
32	513BH	4		MON	2.7	.20	TTL	8	10	0.0	5.5				3.0m		-55	125			
33	525BH	4		MON	2.7	.20*	TTL	2	10t	0.0	5.0	1.0uΔ			1.1m		-55	125	4	G04273g	M105aa
34	525BL	4		MON	2.7	.20*	TTL	2	10t	0.0	5.0	1.0uΔ			1.1m		-55	125	4	G04273g	M105aa
35	525BN	4		MON	2.7	.20*	TTL	2	10t	0.0	5.0	1.0uΔ			1.1m		-55	125	4	G04273g	M105aa
36	526BH	4		MON	2.7	.20*	TTL	5Δ	10t	0.0	5.0	1.0uΔ			560u		-55	125	2	G04420	TO86
37	526BL	4		MON	2.7	.20*	TTL	5Δ	10t	0.0	5.0	1.0uΔ			560u		-55	125	2	G04420	M105aa
38	526BN	4		MON	2.7	.20*	TTL	5Δ	10t	0.0	5.0	1.0uΔ			560u		-55	125	2	G04420	M105aa
39	527BH	4		MON	2.7	.20*	TTL	5Δ	10t	0.0	5.0	1.0uΔ			560u		-55	125	2	G04415	TO86
40	527BL	4		MON	2.7	.20*	TTL	5Δ	10t	0.0	5.0	1.0uΔ			560u		-55	125	2	G04415	M105aa
41	527BN	4		MON	2.7	.20*	TTL	5Δ	10t	0.0	5.0	1.0uΔ			560u		-55	125	2	G04415	M105aa
42	528BH	4		MON	2.7	.20*	TTL	4	10t	0.0	5.0	1.0uΔ			560u		-55	125	2	G04421	TO86
43	528BL	4		MON	2.7	.20*	TTL	4	10t	0.0	5.0	1.0uΔ			560u		-55	125	2	G04421	M105aa
44	528BN	4		MON	2.7	.20*	TTL	4	10t	0.0	5.0	1.0uΔ			560u		-55	125	2	G04421	M105aa
45	54R00	4		MON	2.7	.40	TTL	2	10	0.0	5.0	6.0n			128m		-55	125			
46	54R40	4		MON	2.7	.40	TTL	4	30	0.0	5.0	8.0n			155m		-55	125			
47	25LS22J	4	70m	MON	2.7	.04*	TTL			0.0	5.0	30nΔ			200m		T7			G04520	CH100
48	25LS22W	4	70m	MON	2.7	.04*	TTL			0.0	5.0	30nΔ			200m		T7			G04520	CH100
49	74R00	4		MON	2.8	.40	TTL	2	10	0.0	5.0	6.0n			128m		0	75			
50	74R40	4		MON	2.8	.40	TTL	4	30	0.0	5.0	8.0n			155m		0	75			
51	NE8855A	4		MON	2.8	.4*	TTL	4		0	6	29nΔ	50n		108m	600m	0	75	2	G0415k	TO116
52	NE8855J	4		MON	2.8	.4*	TTL	4		0	6	29nΔ	50n		108m	600m	0	75	2	G0415k	TO88
53	NE8870A	4		MON	2.8	.4*	TTL	3		0	6	25nΔ	50n		53m	600m	0	75	3	G04273b	TO116
54	NE8870J	4		MON	2.8	.4*	TTL	3		0	6	25nΔ	50n		53m	600m	0	75	3	G04273b	TO88
55	NE8880A	4		MON	2.8	.4*	TTL	2		0	6	25nΔ	50n		53m	600m	0	75	4	G04273c	TO116
56	NE8880J	4		MON	2.8	.4*	TTL	2		0	6	25nΔ	50n		53m	600m	0	75	4	G04273c	TO88
57	PL103	4		MON	2.8	.40	TTL	4	15	0.0	6.0	45nΔ			30m		-55	125	2	G04179	FP1
58	SE8855A	4		MON	2.8	.4*	TTL	4		0	6	29nΔ	50n		108m	600m	-55	125	2	G0415k	TO116
59	SE8855J	4		MON	2.8	.4*	TTL	4		0	6	29nΔ	50n		108m	600m	-55	125	2	G0415k	TO88
60	SE8870A	4		MON	2.8	.4*	TTL	3		0	6	25nΔ	50n		53m	600m	-55	125	3	G04273b	TO116
61	SE8870J	4		MON	2.8	.4*	TTL	3		0	6	25nΔ	50n		53m	600m	-55	125	3	G04273b	TO88
62	SE8880A	4		MON	2.8	.4*	TTL	2		0	6	25nΔ	50n		53m	600m	-55	125	4	G04273c	TO116
63	SE8880J	4		MON	2.8	.4*	TTL	2		0	6	25nΔ	50n		53m	600m	-55	125	4	G04273c	TO88
64	9010	4	5.0M	PCB	3.0	0.0	TTL	3	24	0	5	30n	5.0n	5.0n	680m	900m	0	70	8	G043a	CB54
65	9060	4	5.0M	PCB	3.0	0.0	TTL	2	6	0.0	5.0	17n	5.0n	5.0n	475m	900m	0	70	12	G043g	CB54
66	9061	4	5.0M	PCB	3.0	0.0	TTL	4	12	0.0	5.0	17n	5.0n	5.0n	225m	900m	0	70	8	G043r	CB54
67	9062	4	5.0M	PCB	3.0	0.0	TTL	8	6	0.0	5.0	17n	5.0n	5.0n	165m	900m	0	70	4	G043af	CB54
68	9063	4	5.0M	PCB	3.0	0.0	TTL	16	6.0	0.0	5.0	17n	5.0n	5.0n	50m	900m	0	70	2	G04339	CB54
69	TNG5121	4	20M	MON	3.0	.30	TTL	4	40	0	5	18n	5.0n	5.0n	30m	1.0 Δ	-55	125	1	G0478e	TO116
70	TNG5121F	4	20M	MON	3.0	.30	TTL	4	40	0	5	18n	5.0n	5.0n	30m	1.0 Δ	-55	125	1	G0478e	FP21c
71	TNG5122	4	20M	MON	3.0	.30	TTL	4	40	0	5	18n	5.0n	5.0n	30m	1.0 Δ	0	75	1	G0478e	TO116
72	TNG5122F	4	20M	MON	3.0	.30	TTL	4	40	0	5	18n	5.0n	5.0n	30m	1.0 Δ	0	75	1	G0478e	FP21c
73	TNG5123	4	20M	MON	3.0	.30	TTL	4	24	0	5	18n	5.0n	5.0n	30m	1.0 Δ	-55	125	1	G0478e	TO116
74	TNG5123F	4	20M	MON	3.0	.30	TTL	4	24	0	5	18n	5.0n	5.0n	30m	1.0 Δ	-55	125	1	G0478e	FP21c
75	TNG5124																				

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX.		TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS		
					LEVEL	TYPE	IN	OUT MAX.	NEG. (V)	POS. (V)	RISE TIME tr (s)		FALL TIME tf (s)	LOW			HI	LOGIC DWG. No		OUTLINE DWG. No		
																					'1' (V)	'0' (V)
1#	MMG43	4		MON	3.1%	.40*	TTL	4	6	0.0	5.0	10n	5.0n	8.0n	30m	900m	0	75	2	G0471	M75	
2#	MMG62	4		MON	3.1%	.40*	TTL	8	12	0.0	5.0	12n	5.0n	8.0n	15m	900m	0	75	1	G04212g	M75	
3#	MMG63	4		MON	3.1%	.40*	TTL	8	6	0.0	5.0	12n	5.0n	8.0n	15m	900m	0	75	1	G04212g	M75	
4#	MMG122	4		MON	3.1%	.40*	TTL	9Δ	12	0.0	5.0	18n	5.0n	8.0n	15m	900m	0	75	1	G04212h	M75	
5#	MMG123	4		MON	3.1%	.40*	TTL	9Δ	6	0.0	5.0	18n	5.0n	8.0n	15m	900m	0	75	1	G04212h	M75	
6#	MMG132	4		MON	3.1%	.40*	TTL	4	24	0.0	5.0	25n	30n	8.0n	60m	900m	0	75	2	G04191	M75	
7#	MMG133	4		MON	3.1%	.40*	TTL	4	12	0.0	5.0	25n	30n	8.0n	60m	900m	0	75	2	G04191	M75	
8#	MMG142	4		MON	3.1%	.40*	TTL	2	12	0.0	5.0	10n	5.0n	8.0n	60m	900m	0	75	4	G04212f	M75	
9#	MMG143	4		MON	3.1%	.40*	TTL	2	6	0.0	5.0	10n	5.0n	8.0n	60m	900m	0	75	4	G04212f	M75	
10#	MMG192	4		MON	3.1%	.40*	TTL	3	12	0.0	5.0	10n	5.0n	8.0n	45m	900m	0	75	3	G04212e	M75	
11#	MMG193	4		MON	3.1%	.40*	TTL	3	6	0.0	5.0	10n	5.0n	8.0n	45m	900m	0	75	3	G04212e	M75	
12	RG200K	4		MON	3.1%	.40*	TTL	10Δ	111	0.0	5.0	15nΔ	4.5n	3.0n	22m	1.0	-55	125	1	G04240c	FP21b	
13	RG201K	4		MON	3.1%	.40*	TTL	10Δ	61	0.0	5.0	15nΔ	4.5n	3.0n	22m	1.0	-55	125	1	G04240c	FP21b	
14	RG322K	4		MON	3.1%	.40*	TTL	3	91	0.0	5.0	10nΔ	4.0n	2.5n	66m	1.0	0	75	3	G04191a	FP21b	
15	RG323K	4		MON	3.1%	.40*	TTL	3	51	0.0	5.0	10nΔ	4.0n	2.5n	66m	1.0	0	75	3	G04191a	FP21b	
16	RG3220K	4		MON	3.1%	.40*	TTL	2	11	0.0	5.0	9.5nΔ	3.0n	2.5n	88m	1.1	-55	125	4	G04377f	FP21b	
17	RG3240K	4		MON	3.1%	.40*	TTL	8	11	0.0	5.0	9.5nΔ	3.0n	2.5n	44m	1.1	-55	125	2	G04377f	FP21b	
18	RG3260K	4		MON	3.1%	.40*	TTL	8	11	0.0	5.0	11nΔ	3.0n	2.5n	22m	1.1	-55	125	1	G04377k	FP21b	
19	RG3320K	4		MON	3.1%	.40*	TTL	3	111	0.0	5.0	9.5nΔ	3.0n	2.5n	66m	1.1	-55	125	3	G04377m	FP21b	
20	RG3420K	4		MON	3.1%	.40*	TTL	5Δ	12	0.0	5.0	9.5nΔ	3.0n	2.5n	44m	1.1	-55	125	2	G04427	FP21b	
21	RG3430K	4		MON	3.1%	.40*	TTL	9Δ	12	0.0	5.0	11nΔ	3.0n	2.5n	22m	1.1	0	75	1	G04427a	FP21b	
22	RG122K	4	20M	MON	3.1%	.40*	TTL	10Δ	121	0.0	5.0	28nΔ	8.0n	5.0n	15m	900m	0	75	1	G04212h	FP21b	
23	RG123K	4	20M	MON	3.1%	.40*	TTL	10Δ	61	0.0	5.0	28nΔ	8.0n	5.0n	15m	900m	0	75	1	G04212h	FP21b	
24	NE480A	4		MON	3.2%	.35*	TTL	2	71	0	6	80n	10n	10n	36m	1.0	Δ	0	70	4	G04260	M105b
25	NE480J	4		MON	3.2%	.35*	TTL	2	71	0	6	80n	10n	10n	36m	1.0	Δ	0	70	4	G04260	M105b
26	SP455A	4		MON	3.2%	.35*	TTL	4	7	0	6				32m	1.5	15	55	2	G04303	TO116	
27	SP480A	4		MON	3.2%	.35*	TTL	2	7	0	6				18m	1.5	15	55	4	G04260	TO116	
28	ST455A	4		MON	3.2%	.35*	TTL	4	7	0	6				32m	1.5	0	70	2	G04303	TO116	
29	ST480A	4		MON	3.2%	.35*	TTL	2	7	0	6				18m	1.5	0	70	4	G04260	TO116	
30#	MMG140	4		MON	3.2%	.40*	TTL	2	15	0.0	5.0	10n	5.0n	8.0n	60m	900m	-55	125	4	G04212f	M75	
31#	MMG141	4		MON	3.2%	.40*	TTL	2	7	0.0	5.0	10n	5.0n	8.0n	60m	900m	-55	125	4	G04212f	M75	
32	RG320K	4		MON	3.2%	.40*	TTL	3	111	0.0	5.0	10nΔ	4.0n	2.5n	66m	1.0	-55	125	3	G04191a	FP21b	
33	RG321K	4		MON	3.2%	.40*	TTL	3	61	0.0	5.0	10nΔ	4.0n	2.5n	66m	1.0	-55	125	3	G04191a	FP21b	
34	RG120K	4	20M	MON	3.2%	.40*	TTL	10Δ	151	0.0	5.0	28nΔ	8.0n	5.0n	15m	900m	-55	125	1	G04212h	FP21b	
35	RG121K	4	20M	MON	3.2%	.40*	TTL	10Δ	71	0.0	5.0	28nΔ	8.0n	5.0n	15m	900m	-55	125	1	G04212h	FP21b	
36	TG130F	4		MON	3.2%	.45*	TTL	4	36	0.0	8.0	16nΔ			60m	450mΔ	-55	125	2	G0478b	FP21c	
37	TG130J	4		MON	3.2%	.45*	TTL	4	36	0.0	8.0	16nΔ			60m	450mΔ	-55	125	2	G0478b	FP21c	
38	TG131F	4		MON	3.2%	.45*	TTL	4	24	0.0	8.0	16nΔ			60m	450mΔ	-55	125	2	G0478b	FP21c	
39	TG131J	4		MON	3.2%	.45*	TTL	4	24	0.0	8.0	16nΔ			60m	450mΔ	-55	125	2	G0478b	FP21c	
40	TG132F	4		MON	3.2%	.45*	TTL	4	36	0.0	7.0	16nΔ			60m	450mΔ	0	75	2	G0478b	FP21c	
41	TG132J	4		MON	3.2%	.45*	TTL	4	36	0.0	7.0	16nΔ			60m	450mΔ	0	75	2	G0478b	FP21c	
42	TG133F	4		MON	3.2%	.45*	TTL	4	24	0.0	7.0	16nΔ			60m	450mΔ	0	75	2	G0478b	FP21c	
43	TG133J	4		MON	3.2%	.45*	TTL	4	24	0.0	7.0	16nΔ			60m	450mΔ	0	75	2	G0478b	FP21c	
44	TNG5211F	4		MON	3.2%	.45*	TTL	4	36	0	8	16nΔ			60m	450mΔ	-55	125	2	G0478f	FP21c	
45	TNG5221F	4		MON	3.2%	.45*	TTL	2	36	0	8	16nΔ			60m	450mΔ	-55	125	2	G0478f	FP21c	
46	TNG5221P	4		MON	3.2%	.45*	TTL	2	36	0	8	16nΔ			60m	450mΔ	-55	125	2	G0478f	FP21c	
47	TNG5222F	4		MON	3.2%	.45*	TTL	2	36	0	7	16nΔ			60m	450mΔ	0	75	2	G0478f	FP21c	
48	TNG5222P	4		MON	3.2%	.45*	TTL	2	36	0	7	16nΔ			60m	450mΔ	0	75	2	G0478f	FP21c	
49	TNG5223F	4		MON	3.2%	.45*	TTL	2	24	0	8	16nΔ			60m	450mΔ	-55	125	2	G0478f	FP21c	
50	TNG5223P	4		MON	3.2%	.45*	TTL	2	24	0	8	16nΔ			60m	450mΔ	-55	125	2	G0478f	FP21c	
51	TNG5224F	4		MON	3.2%	.45*	TTL	2	24	0	7	16nΔ			60m	450mΔ	0	75	2	G0478f	FP21c	
52	TNG5224P	4		MON	3.2%	.45*	TTL	2	24	0	7	16nΔ			60m	450mΔ	0	75	2	G0478f	FP21c	
53	TNG5511F	4		MON	3.2%	.45*	TTL	2	36	0	8	16nΔ			120m	450mΔ	-55	125	4	G0478d	FP21c	
54	TNG5511P	4		MON	3.2%	.45*	TTL	2	36	0	8	16nΔ			120m	450mΔ	-55	125	4	G0478d	FP21c	
55	TNG5512F	4		MON	3.2%	.45*	TTL	2	36	0	7	16nΔ			120m	450mΔ	0	75	4	G0478d	FP21c	
56	TNG5512P	4		MON	3.2%	.45*	TTL	2	36	0	7	16nΔ			120m	450mΔ	0	75	4	G0478d	FP21c	
57	TNG5513F	4		MON	3.2%	.45*	TTL	2	24	0	8	16nΔ			120m	450mΔ	-55	125	4	G0478d	FP21c	
58	TNG5513P	4		MON	3.2%	.45*	TTL	2	24	0	8	16nΔ			120m	450mΔ	-55	125	4	G0478d	FP21c	
59	TNG5514F	4		MON	3.2%	.45*	TTL	2	24	0	7	16nΔ			120m	450mΔ	0	75	4	G0478d	FP21c	
60	TNG5514P	4		MON	3.2%	.45*	TTL	2	24	0	7	16nΔ			120m	450mΔ	0	75	4	G0478d	FP21c	
61	RG40K	4	20M	MON	3.4	.20	TTL	4	15	0	5.0	10n			30m	1.1	-55	125	2	G0471	FP21b	
62	RG40P	4	20M	MON	3.4	.20	TTL	4	15	0	5.0	10n			30m	1.1	-55	125	2	G0471	FP21b	
63	RG41K	4	20M	MON	3.4	.20	TTL	4	7	0	5.0	10n			30m	1.1	-55	125	2	G0471	FP21b	
64	RG41P	4	20M	MON	3.4	.20	TTL	4	7	0	5.0	10n			30m	1.1	-55	125	2	G0471	FP21b	
65	RG42K	4	20M	MON	3.4	.20	TTL	4	12	0	5.0	10n			30m	1.1	0	75	2	G0471	FP21b	
66	RG42P	4	20M	MON	3.4	.20	TTL	4	12	0	5.0	10n			30m	1.1	0	75	2	G0471	FP21b	
67	RG43K	4	20M	MON	3.4	.20	TTL	4	6	0	5.0	10n			30m	1.1	0	75	2	G0471	FP21b	
68	RG43P	4	20M	MON	3.4	.20	TTL	4	6	0	5.0	10n			30m	1.1	0	75	2	G0471	FP21b	
69	RG60K	4	20M	MON	3.4	.20	TTL	8	15	0	5.0	12n			15m	1.1	-55	125	1	G04211	FP21b	
70	RG60P	4	20M	MON	3.4	.20	TTL	8	15	0	5.0	12n			15m	1.1	-55	125	1	G04211	FP21b	
71	RG61K	4	20M	MON	3.4	.20	TTL	8	7	0	5.0	12n			15m	1.1	-55	125	1	G04211	FP21b	
72	RG61P	4	20M	MON	3.4	.20	TTL	8	7	0	5.0	12n			15m	1.1	-55	125	1	G04211	FP21b	

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	6 TYPE No.	1 TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN		POWER SUPPLY SPAN (V)	PROPAGA-TION DELAY (s)	MAX.		TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS		
					3 '1' (V)	4 '0' (V)	2	IN	OUT MAX.			RISE TIME tr (s)	FALL TIME tf (s)			LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=MO	
																					LEVEL
1	RG222K	4		MON	3.5	.20	TTL	2	9	5.0	6.0n			88m	1.0	0	75	4	G04240b	FP28	
2	RG222P	4		MON	3.5	.20	TTL	2	9	5.0	6.0n			88m	1.0	0	75	4		M105k	
3	RG223K	4		MON	3.5	.20	TTL	2	5	0.0	6.0n			88m	1.0	0	75	4	G04240b	FP28	
4	RG223P	4		MON	3.5	.20	TTL	2	5	0.0	6.0n			88m	1.0	0	75	4		M105k	
5	RG240K	4		MON	3.5	.20	TTL	4	11	0.0	5.0	6.0n		44m	1.0	-55	125	2	G04240	FP28	
6	RG240P	4		MON	3.5	.20	TTL	4	11	0.0	5.0	6.0n		44m	1.0	-55	125	2		M105k	
7	RG241K	4		MON	3.5	.20	TTL	4	6	0.0	5.0	6.0n		44m	1.0	-55	125	2	G04240	FP28	
8	RG241P	4		MON	3.5	.20	TTL	4	6	0.0	5.0	6.0n		44m	1.0	-55	125	2		M105k	
9	RG242K	4		MON	3.5	.20	TTL	4	9	0.0	5.0	6.0n		44m	1.0	0	75	2	G04240	FP28	
10	RG242P	4		MON	3.5	.20	TTL	4	9	0.0	5.0	6.0n		44m	1.0	0	75	2		M105k	
11	RG243K	4		MON	3.5	.20	TTL	4	5	0.0	5.0	6.0n		44m	1.0	0	75	2	G04240	FP28	
12	RG243P	4		MON	3.5	.20	TTL	4	5	0.0	5.0	6.0n		44m	1.0	0	75	2		M105k	
13	RG260K	4		MON	3.5	.20	TTL	8	11	0.0	5.0	8.0n		22m	1.0	-55	125	1	G04240a	FP28	
14	RG260P	4		MON	3.5	.20	TTL	8	11	0.0	5.0	8.0n		22m	1.0	-55	125	1		M105k	
15	RG261K	4		MON	3.5	.20	TTL	8	6	0.0	5.0	8.0n		22m	1.0	-55	125	1	G04240a	FP28	
16	RG261P	4		MON	3.5	.20	TTL	8	6	0.0	5.0	8.0n		22m	1.0	-55	125	1		M105k	
17	RG262K	4		MON	3.5	.20	TTL	8	9	0.0	5.0	8.0n		22m	1.0	0	75	1	G04240a	FP28	
18	RG262P	4		MON	3.5	.20	TTL	8	9	0.0	5.0	8.0n		22m	1.0	0	75	1		M105k	
19	RG263K	4		MON	3.5	.20	TTL	8	5	0.0	5.0	8.0n		22m	1.0	0	75	1	G04240a	FP28	
20	RG263P	4		MON	3.5	.20	TTL	8	5	0.0	5.0	8.0n		22m	1.0	0	75	1		M105k	
21	RG320P	4		MON	3.5	.20	TTL	3	11	0.0	5.0	6.0n		66m	1.0	-55	125	3		M105k	
22	RG321P	4		MON	3.5	.20	TTL	3	6	0.0	5.0	6.0n		66m	1.0	-55	125	3		M105k	
23	RG322P	4		MON	3.5	.20	TTL	3	9	0.0	5.0	6.0n		66m	1.0	0	75	3		M105k	
24	RG323P	4		MON	3.5	.20	TTL	3	5	0.0	5.0	6.0n		66m	1.0	0	75	3		M105k	
25	TG401	4	20M	MON	3.5	.25	TTL	8	15t	0	6	12n	5.0n	8.0n	4.0m	1.0 Δ	-55	125	1	G04331	ZB159
26	TG402	4	20M	MON	3.5	.25	TTL	8	15t	0	6	12n	5.0n	8.0n	4.0m	1.0 Δ	0	75	1	G04331	ZB159
27	TG403	4	20M	MON	3.5	.25	TTL	8	7t	0	6	12n	5.0n	8.0n	4.0m	1.0 Δ	-55	125	1	G04331	ZB159
28	TG404	4	20M	MON	3.5	.25	TTL	8	7t	0	6	12n	5.0n	8.0n	4.0m	1.0 Δ	0	75	1	G04331	ZB159
29	TG405	4	20M	MON	3.5	.25	TTL	8	15t	0	6	12n	5.0n	8.0n	4.0m	1.0 Δ	-55	125	1	G04331a	ZB159
30	TG406	4	20M	MON	3.5	.25	TTL	8	15t	0	6	12n	5.0n	8.0n	4.0m	1.0 Δ	0	75	1	G04331a	ZB159
31	TG407	4	20M	MON	3.5	.25	TTL	8	7t	0	6	12n	5.0n	8.0n	4.0m	1.0 Δ	-55	125	1	G04331a	ZB159
32	TG408	4	20M	MON	3.5	.25	TTL	8	7t	0	6	12n	5.0n	8.0n	4.0m	1.0 Δ	0	75	1	G04331a	ZB159
33	TG411	4	20M	MON	3.5	.25	TTL	4	15t	0	6	12n	5.0n	8.0n	8.0m	1.0 Δ	-55	125	2	G0471a	ZB159
34	TG412	4	20M	MON	3.5	.25	TTL	4	15t	0	6	12n	5.0n	8.0n	8.0m	1.0 Δ	0	75	2	G0471a	ZB159
35	TG413	4	20M	MON	3.5	.25	TTL	4	7t	0	6	12n	5.0n	8.0n	8.0m	1.0 Δ	-55	125	2	G0471a	ZB159
36	TG414	4	20M	MON	3.5	.25	TTL	4	7t	0	6	12n	5.0n	8.0n	8.0m	1.0 Δ	0	75	2	G0471a	ZB159
37	TG415	4	20M	MON	3.5	.25	TTL	3	15t	0	6	12n	5.0n	8.0n	12.0m	1.0 Δ	-55	125	3	G0471b	ZB159
38	TG416	4	20M	MON	3.5	.25	TTL	3	15t	0	6	12n	5.0n	8.0n	12.0m	1.0 Δ	0	75	3	G0471b	ZB159
39	TG417	4	20M	MON	3.5	.25	TTL	3	7t	0	6	12n	5.0n	8.0n	12.0m	1.0 Δ	-55	125	3	G0471b	ZB159
40	TG418	4	20M	MON	3.5	.25	TTL	3	7t	0	6	12n	5.0n	8.0n	12.0m	1.0 Δ	0	75	3	G0471c	ZB159
41	TG421	4	20M	MON	3.5	.25	TTL	8	15t	0	6	12n	5.0n	8.0n	8.0m	1.0 Δ	-55	125	4	G0471c	ZB159
42	TG422	4	20M	MON	3.5	.25	TTL	8	15t	0	6	12n	5.0n	8.0n	8.0m	1.0 Δ	0	75	4	G0471c	ZB159
43	TG423	4	20M	MON	3.5	.25	TTL	8	7t	0	6	12n	5.0n	8.0n	8.0m	1.0 Δ	-55	125	4	G0471c	ZB159
44	TG424	4	20M	MON	3.5	.25	TTL	8	7t	0	6	12n	5.0n	8.0n	8.0m	1.0 Δ	0	75	4	G0471c	ZB159
45	SWG130	4	20M%	MON	3.5	.26	TTL	2	30	0.0	6.0	12n	5.0n	8.0n	3.0m	1.0	-55	125	1	G04213	CN3a
46	SWG131	4	20M%	MON	3.5	.26	TTL	2	15	0.0	6.0	12n	5.0n	8.0n	3.0m	1.0	-55	125	1	G04213	CN3a
47	SWG132	4	20M%	MON	3.5	.26	TTL	2	24	0.0	6.0	12n	5.0n	8.0n	3.0m	1.0	0	75	1	G04213	CN3a
48	SWG133	4	20M%	MON	3.5	.26	TTL	2	12	0.0	6.0	12n	5.0n	8.0n	3.0m	1.0	0	75	1	G04213	CN3a
49	SWG190	4	20M	MON	3.5	.26	TTL	9	15	0.0	6.0	14n	5.0n	8.0n	45m	1.0	-55	125	3		
50	SWG191	4	20M	MON	3.5	.26	TTL	9	7	0.0	6.0	14n	5.0n	8.0n	45m	1.0	-55	125	3		
51	SWG192	4	20M	MON	3.5	.26	TTL	9	12	0.0	6.0	14n	5.0n	8.0n	45m	1.0	0	75	3		
52	SWG193	4	20M	MON	3.5	.26	TTL	9	6	0.0	6.0	14n	5.0n	8.0n	45m	1.0	0	75	3		
53	SWG220	4	35M	MON	3.5	.26	TTL	8	12	0.0	6.0	6.0n	3.0n	5.0n	22mΔ	1.0	-55	125	4		
54	SWG221	4	35M	MON	3.5	.26	TTL	8	6	0.0	6.0	6.0n	3.0n	5.0n	22mΔ	1.0	-55	125	4		
55	SWG222	4	35M	MON	3.5	.26	TTL	8	10	0.0	6.0	6.0n	3.0n	5.0n	22mΔ	1.0	0	75	4		
56	SWG223	4	35M	MON	3.5	.26	TTL	8	5	0.0	6.0	6.0n	3.0n	5.0n	22mΔ	1.0	0	75	4		
57	SWG240	4	35M	MON	3.5	.26	TTL	8	12	0.0	6.0	6.0n	3.0n	5.0n	22mΔ	1.0	-55	125	2		
58	SWG241	4	35M	MON	3.5	.26	TTL	8	6	0.0	6.0	6.0n	3.0n	5.0n	22mΔ	1.0	-55	125	2		
59	SWG242	4	35M	MON	3.5	.26	TTL	8	10	0.0	6.0	6.0n	3.0n	5.0n	22mΔ	1.0	0	75	2		
60	SWG243	4	35M	MON	3.5	.26	TTL	8	5	0.0	6.0	6.0n	3.0n	5.0n	22mΔ	1.0	0	75	2		
61	SWG260	4	35M	MON	3.5	.26	TTL	8	12	0.0	6.0	8.0n	3.0n	5.0n	22m	1.0	-55	125	1		
62	SWG261	4	35M	MON	3.5	.26	TTL	8	6	0.0	6.0	8.0n	3.0n	5.0n	22m	1.0	-55	125	1		
63	SWG262	4	35M	MON	3.5	.26	TTL	8	10	0.0	6.0	8.0n	3.0n	5.0n	22m	1.0	0	75	1		
64	SWG263	4	35M	MON	3.5	.26	TTL	8	5	0.0	6.0	8.0n	3.0n	5.0n	22m	1.0	0	75	1		
65	B21A	4	5.0M	MON	4.0%	.25*	TTL	2	9t	0.0	6.0	6.0n	3.0n	5.0n	2.0m	8.00m	-55	125	2	G04233	FP26a
66	TNG5411F	4		MON	5.0%	.6*	TTL	4	36	0	8	16nΔ		60m	450mΔ	-55	125	2	G0478s	FP21c	
67	TNG5411P	4		MON	5.0%	.6*	TTL	4	36	0	8	16nΔ		60m	450mΔ	-55	125	2	G0478s	TO116	
68	TNG5412F	4		MON	5.0%	.6*	TTL	4	36	0	7	16nΔ		60m	450mΔ	0	75	2	G0478s	FP21c	
69	TNG5412P	4		MON	5.0%	.6*	TTL	4	36	0	7	16nΔ		60m	450mΔ	0	75	2	G0478s	TO116	
70	TNG5421F	4		MON	5.0%	.6*	TTL	2	36	0	8	16nΔ		60m	450mΔ	-55	125	2	G0478m	FP21c	
71	TNG5421P	4		MON	5.0%	.6*	TTL	2	36	0	8	16nΔ		60m	450mΔ	-55	125	2	G0478m	TO116	
72	TNG5422F	4		MON	5.0%	.6*	TTL	2	36	0	7	16nΔ		60m	450mΔ	0	75	2	G0478m	FP21c	
73	TNG5422P	4		MON	5.0%	.6*	TTL	2	36	0	7	16nΔ		60m	450mΔ	0	75	2	G0478m	TO116	
74	TNG5611F	4		MON	5.0%	.6*	TTL														

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL			FAN IN	OUT MAX.	POWER SUPPLY SPAN		PROPAGA-TION DELAY (s)	RISE TIME tr (s)	FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					3	1	2			NEG. (V)	POS. (V)						LOW	HI		LOGIC DWG. No	OUTLINE DWG. No
					(V)	(V)											°C	°C		Δ = No	
1#	FPH121	4		MON	11.2Δ%	1.5*	VTL	4	10	0.0	12	160n			115m%	4.0	75	2	G04439	TO116	
2#	FPH123	4		MON	11.2Δ%	1.5*	VTL	4	10	0.0	12	160n			115m%	4.0	-20	2	G04439	TO116	
3#	FPH131	4		MON	11.2Δ%	1.5*	VTL	3	10	0.0	12	140n			173m%	4.0	75	3	G04439a	TO116	
4#	FPH133	4		MON	11.2Δ%	1.5*	VTL	3	10	0.0	12	140n			173m%	4.0	-20	84	3	G04439b	TO116
5#	FPH141	4		MON	11.2Δ%	1.5*	VTL	2	10	0.0	12	150n			222m%	4.0	75	4	G04439c	TO116	
6#	FPH143	4		MON	11.2Δ%	1.5*	VTL	2	10	0.0	12	150n			222m%	4.0	-20	85	4	G04439d	TO116
7	66B4	4Δ					DTL		5			24n			45m			1	G0497	CN35	
8	66B4P	4Δ					DTL		5			24n			45m			1	G0497	FP12	
9	67B4	4Δ					DTL		5			24n			22m			1	G0498	CN35	
10	67B4P	4Δ					DTL		5			24n			22m			1	G0498	FP12	
11	IAC0221	4.2	5.0M	PCB	2.0%	1.1*	DTL	15	1	0.0	5.0	30nΔ			270m	500m	0	75	2	G0427a	CB51
12#	MIC930R3D	4.3		MON	1.9%	1.1*	DTL	5Δ	8	0.0	5.0	80nΔ			32m%	700m	-40	85	2	G0427a	M294b
13#	MIC930R6D	4.3		MON	1.9%	1.1*	DTL	5Δ	8	0.0	5.0	80nΔ			32m%	700m	-20	75	2	G0427a	M294b
14#	MIC930R7D	4.3		MON	1.9%	1.1*	DTL	5Δ	8	0.0	5.0	80nΔ			40m%	700m	0	75	2	G0427a	M294b
15#	MIC932R3D	4.3		MON	1.9%	1.1*	DTL	5Δ	25	0.0	5.0	80nΔ			133m%	700m	-40	85	2	G04154a	M294b
16#	MIC932R6D	4.3		MON	1.9%	1.1*	DTL	5Δ	25	0.0	5.0	80nΔ			133m%	700m	-20	75	2	G04154a	M294b
17#	MIC932R7D	4.3		MON	1.9%	1.1*	DTL	5Δ	25	0.0	5.0	80nΔ			150m%	700m	0	75	2	G04154a	M294b
18#	MIC936R3D	4.3		MON	1.9%	1.1*	DTL	1	8	0.0	5.0	80nΔ			97m%	700m	-40	85	6	G04310e	M294b
19#	MIC936R6D	4.3		MON	1.9%	1.1*	DTL	1	8	0.0	5.0	80nΔ			97m%	700m	-20	75	6	G04310e	M294b
20#	MIC936R7D	4.3		MON	1.9%	1.1*	DTL	1	8	0.0	5.0	80nΔ			120m%	700m	0	75	6	G04310e	M294b
21#	MIC944R3D	4.3		MON	1.9%	1.1*	DTL	5Δ	25	0.0	5.0	50nΔ			100m%	700m	-40	85	2	G0589a	M294b
22#	MIC944R6D	4.3		MON	1.9%	1.1*	DTL	5Δ	25	0.0	5.0	50nΔ			100m%	700m	-20	75	2	G0589a	M294b
23#	MIC944R7D	4.3		MON	1.9%	1.1*	DTL	5Δ	25	0.0	5.0	50nΔ			100m%	700m	0	75	2	G0589a	M294b
24#	MIC946R3D	4.3		MON	1.9%	1.1*	DTL	2	8	0.0	5.0	80nΔ			65m%	700m	-40	85	4	G04217a	M294b
25#	MIC946R6D	4.3		MON	1.9%	1.1*	DTL	2	8	0.0	5.0	80nΔ			65m%	700m	-20	75	4	G04217a	M294b
26#	MIC946R7D	4.3		MON	1.9%	1.1*	DTL	2	8	0.0	5.0	80nΔ			80m%	700m	0	75	4	G04217a	M294b
27#	MIC962R3D	4.3		MON	1.9%	1.1*	DTL	3	8	0.0	5.0	80nΔ			48m%	700m	-40	85	3	G04217b	M294b
28#	MIC962R6D	4.3		MON	1.9%	1.1*	DTL	3	8	0.0	5.0	80nΔ			48m%	700m	-20	75	3	G04217b	M294b
29#	MIC962R7D	4.3		MON	1.9%	1.1*	DTL	3	8	0.0	5.0	80nΔ			60m%	700m	0	75	3	G04217b	M294b
30	RC6172T	4.3		MON	2.0%	1.0*	DTL	3	11	0	6.0	40n			40m%	550m	0	75	2	G0428d	TO101
31	RM6172T	4.3		MON	2.0%	1.0*	DTL	3	11	0	6.0	40n			40m%	550m	-55	125	2	G0428d	TO101
32	6G222D	4.3		MON	3.0%	.40*	TTL	2	9	0	6	6.0n	2.5n	40n	88m	1.0	0	75	4	G04240b	M126b
33	6G222G	4.3		MON	3.0%	.40*	TTL	2	9	0	6	6.0n	2.5n	40n	88m	1.0	0	75	4	G04240b	FP57
34	6G222K	4.3		MON	3.0%	.40*	TTL	2	9	0	6	6.0n	2.5n	40n	88m	1.0	0	75	4	G04240b	M105h
35	6G223D	4.3		MON	3.0%	.40*	TTL	2	5	0	6	6.0n	2.5n	40n	88m	1.0	0	75	4	G04240b	M126b
36	6G223G	4.3		MON	3.0%	.40*	TTL	2	5	0	6	6.0n	2.5n	40n	88m	1.0	0	75	4	G04240b	FP57
37	6G223K	4.3		MON	3.0%	.40*	TTL	2	5	0	6	6.0n	2.5n	40n	88m	1.0	0	75	4	G04240b	M105h
38	6G242D	4.3		MON	3.0%	.40*	TTL	4	9	0	6	6.0n	2.5n	4.0n	44m	1.0	0	75	2	G04240	M126b
39	6G242G	4.3		MON	3.0%	.40*	TTL	4	9	0	6	6.0n	2.5n	4.0n	44m	1.0	0	75	2	G04240	FP57
40	6G242K	4.3		MON	3.0%	.40*	TTL	4	9	0	6	6.0n	2.5n	4.0n	44m	1.0	0	75	2	G04240	M105h
41	6G243D	4.3		MON	3.0%	.40*	TTL	4	5	0	6	6.0n	2.5n	4.0n	44m	1.0	0	75	2	G04240	M126b
42	6G243G	4.3		MON	3.0%	.40*	TTL	4	5	0	6	6.0n	2.5n	4.0n	44m	1.0	0	75	2	G04240	FP57
43	6G243K	4.3		MON	3.0%	.40*	TTL	4	5	0	6	6.0n	2.5n	4.0n	44m	1.0	0	75	2	G04240	M105h
44	6G262D	4.3		MON	3.0%	.40*	TTL	8	9	0	6	6.0n	3.0n	4.0n	22m	1.0	0	75	1	G04240a	M126b
45	6G262G	4.3		MON	3.0%	.40*	TTL	8	9	0	6	6.0n	3.0n	4.0n	22m	1.0	0	75	1	G04240a	FP57
46	6G262K	4.3		MON	3.0%	.40*	TTL	8	9	0	6	6.0n	3.0n	4.0n	22m	1.0	0	75	1	G04240a	M105h
47	6G263D	4.3		MON	3.0%	.40*	TTL	8	5	0	6	6.0n	3.0n	4.0n	22m	1.0	0	75	1	G04240a	M126b
48	6G263G	4.3		MON	3.0%	.40*	TTL	8	5	0	6	6.0n	3.0n	4.0n	22m	1.0	0	75	1	G04240a	FP57
49	6G263K	4.3		MON	3.0%	.40*	TTL	8	5	0	6	6.0n	3.0n	4.0n	22m	1.0	0	75	1	G04240a	M105h
50	RG222BL	4.3		MON	3.0%	.40*	TTL	2	9	0.0	5.0	10nΔ	4.0n	2.5n	88m%	1.0	0	75	4	G04240b	CH5
51	RG223BL	4.3		MON	3.0%	.40*	TTL	2	5	0.0	5.0	10nΔ	4.0n	2.5n	88m%	1.0	0	75	4	G04240b	CH5
52	RG242BL	4.3		MON	3.0%	.40*	TTL	4	9	0.0	5.0	10nΔ	4.0n	2.5n	44m%	1.0	0	75	2	G04240	CH5a
53	RG243BL	4.3		MON	3.0%	.40*	TTL	4	5	0.0	5.0	10nΔ	4.0n	2.5n	44m%	1.0	0	75	2	G04240	CH5a
54	RG262BL	4.3		MON	3.0%	.40*	TTL	8	9	0.0	5.0	12nΔ	4.0n	3.0n	22m%	1.0	0	75	1	G04240d	CH5a
55	RG263BL	4.3		MON	3.0%	.40*	TTL	8	5	0.0	5.0	12nΔ	4.0n	3.0n	22m%	1.0	0	75	1	G04240d	CH5a
56	6G220D	4.3		MON	3.1%	.40*	TTL	2	11	0	6	6.0n	2.5n	4.0n	22m%	1.0	-55	125	4	G04240b	M126b
57	6G220G	4.3		MON	3.1%	.40*	TTL	2	11	0	6	6.0n	2.5n	4.0n	22m%	1.0	-55	125	4	G04240b	FP57
58	6G220K	4.3		MON	3.1%	.40*	TTL	2	11	0	6	6.0n	2.5n	4.0n	22m%	1.0	-55	125	4	G04240b	M105h
59	6G221D	4.3		MON	3.1%	.40*	TTL	2	6	0	6	6.0n	2.5n	4.0n	88m	1.0	-55	125	4	G04240b	M126b
60	6G221G	4.3		MON	3.1%	.40*	TTL	2	6	0	6	6.0n	2.5n	4.0n	22m%	1.0	-55	125	4	G04240b	FP57
61	6G221K	4.3		MON	3.1%	.40*	TTL	2	6	0	6	6.0n	2.5n	4.0n	88m	1.0	-55	125	4	G04240b	M105h
62	6G240D	4.3		MON	3.1%	.40*	TTL	4	11	0	6	6.0n	2.5n	4.0n	44m	1.0	-55	125	2	G04240	M126b
63	6G240G	4.3		MON	3.1%	.40*	TTL	4	11	0	6	6.0n	2.5n	4.0n	44m	1.0	-55	125	2	G04240	FP57
64	6G240K	4.3		MON	3.1%	.40*	TTL	4	11	0	6	6.0n	2.5n	4.0n	44m	1.0	-55	125	2	G04240	M105h
65	6G241D	4.3		MON	3.1%	.40*	TTL	4	6	0	6	6.0n	2.5n	4.0n	44m	1.0	-55	125	2	G04240	M126b
66	6G241G	4.3		MON	3.1%	.40*	TTL	4	6	0	6	6.0n	2.5n	4.0n	44m	1.0	-55	125	2	G04240	FP57
67	6G241K	4.3		MON	3.1%	.40*	TTL	4	6	0	6	6.0n	2.5n	4.0n	44m	1.0	-55	125	2	G04240	M105h
68	6G260D	4.3		MON	3.1%	.40*	TTL	8	11	0	6	6.0n	3.0n	4.0n	22m	1.0	-55	125	1	G04240a	M126b
69	6G260G	4.3		MON	3.1%	.40*	TTL	8	11	0	6	6.0n	3.0n	4.0n	22m	1.0	-55	125	1	G04240a	FP57
70	6G260K	4.3		MON	3.1%	.40*	TTL	8	11	0	6	6.0n	3.0n	4.0n	22m	1.0	-55	125	1	G04240a	M105h
71	6G261D	4.3		MON	3.1%	.40*	TTL	8	6	0	6	6.0n	3.0n	4.0n	22m	1.0	-55	125	1	G04240a	M126b
72	6G261G	4.3		MON	3.1%	.40*	TTL	8	6	0	6</										

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN IN	POWER SUPPLY SPAN	PROPAGATION DELAY (s)	MAX. RISE TIME		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS			
					LEVEL	TYPE	OUT MAX.				NEG. (V)	POS. (V)			tr (s)	tf (s)		LOW °C	HI °C	LOGIC DWG. No	OUTLINE DWG. No Δ=MO
					'1' (V)	'0' (V)															
1	IT31	4C	10M	PCB	4.0	0.0	DTL	2†	14	0	8	30n	5.0n	5.0n	1.6	1.5	5	71	14	G04228a	CB37a
2	IC12	4C	300k	PCB	8.0	0.0	DTL	10	24	25	25	150n	100n	50n	3.1	3.5	-55	100	14	G04124	CB34
3	IC14	4C	300k	PCB	8.0	0.0	DTL	15	7	25	25	110n	70n	40n	1.5	3.5	-55	100	10	G04125	CB34
4	IX12	4C	300k	PCB	8.0	0.0	DTL	10	18	25	25	200n	150n	50	4.1	4.2	-55	100	14	G04124	CB34
5	IH14	4C	1.0M	PCB	8.0	0.0	DTL	10	12	25	25	60n	35n	25n	2.3	3.5	-55	100	10	G04125	CB34
6	IL12	4C	8.0M	PCB	8.0	0.0	DTL	10	20	25	25	25n†	15n	10n	4.5	4.2	-55	100	14	G04124	CB34
7	IL14	4C	8.0M	PCB	8.0	0.0	DTL	10	16	25	25	25n	15n	10n	2.4	3.5	-55	100	10	G04125	CB34
8	SN516B	4CE		MON	.30*	2.0%	RCT	2	25%	0.0	8.0	60n	70n	930n	8.0mΔ	200m	-55	125	2	G04193c	FP22
9	SNR516	4CE		MON	.30*	2.0%	RCT	2	25%	0.0	8.0	60n	70n	930n	8.0mΔ	200m	-55	125	2	G04193c	FP22
10	SN516A	4CE		MON	.30	2.5	RCT	2	25%	0.0	8.0	60n	70n	930n	8.0mΔ	200m	-55	125	3	G04193c	T089
11	IT11	4E	10M%	PCB	4.0	0.0		4†	14	0	8	18n			1.1	1.8	5	71	12	G04276	CB37a
12	IT15	4E	10M%	PCB	4.0	0.0		3†	14	0.0	8.0	18n			1.0	1.8	5	71	8		CB37a
13	IT16	4E	10M%	PCB	4.0	0.0		3†	14	0.0	8.0	18n			1.2	1.8	5	71	8		CB37a
14	RM210Q	4E	2.0M	MON	3.5	.60	DTL	3	22	0.0	6.0	75n			60m	550m	-55	125	2	G0437	FP46
15	IT18	4E	10M	PCB	4.0	0.0	DTL	5†	14	0	8				1.0		5	71	10	G043aq	CB37a
16	SN5162B	4E		MON	.30*	2.5%	RCT	2	25%	0.0	8.0	70n	70n	650n	10mΔ	200m	-55	125	3	G04193e	T084
17	SNR5162	4E		MON	.30*	2.5%	RCT	2	25%	0.0	8.0	70n	70n	650n	10mΔ	200m	-55	125	3	G04193e	T084
18	SN5162	4E		MON	.30	2.5	RCT	2	25%	0.0	8.0	70n	70n	650n	8.0mΔ	200m	-55	125	3	G04193e	T084
19	501A	4E	4.0MΔ	MON	4.0%	25*	TTL	3	50	0.0	6.0	60n	80n†	40n†	1.0m	800m	-55	125	1	G04235	FP26a
20	MEM901	4EF		MON	-12	0.0		6		24	0.0	250n			20m				1	G04214	CN49
21	MEM901F	4EF		MON	-12	0.0		6		24	0.0	250n			20m				1	G04214	FPZ
22	SN513A	4EM		MON	.30	2.5	RCT	6	25	0.0	8.0	95n	80n	1.3u	7.0m	200m	-55	125	1	G04193a	T089
23	SN513B	4EM		MON	.30*	2.5%	RCT	6	25	0	8	95n	80n	1.3u	10m†	200m	-55	125	1	G04341a	FP22
24	SNR513	4EM		MON	.30*	2.5%	RCT	6	25	0	8	95n	80n	1.3u	10m†	200m	-55	125	1	G04341a	FP22
25	INN0237	4F	5.0M	PCB	2.0%	1.1*	DTL	5†	1	0.0	5.0	30nΔ			72m	500m	0	75	4	G04287	CB51
26	INN2237	4F	5.0M	PCB	2.0%	1.1*	DTL	5†	1	0.0	5.0	30nΔ			72m	500m	0	75	4	G04287	CB51
27	SN17909	4F		MON	.81*	20*	RTL	2	30	0.0	5.5						-55	125	1		
28	SN7440P	4F		MON	1.9%	1.1*	TTL	4	10	0.0	5.5	13n			10m	400m	0	75	2		M100
29	SN74932	4F		MON	1.9%	1.1*	TTL	4	10	0	5.5	13n			10m	400m	0	75	2	G043q	ZB6
30	SN54932	4F		MON	2.5%	45*Δ	TTL	4	10	0	5.5	13n			10m	400m	-55	125	2	G043q	ZB6
31	MS62	4G	1.0M	PCB	6.2	0.0	DTL	2	1	18	18		100n	100n	2.8	2.5 *	-30	100	12		CB25
32	MS64	4G	1.0M	PCB	6.2	0.0	DTL	4	1	18	18		100n	100n	1.1	2.5 *	-30	100	10		CB25
33#	FZH265	4G		MON	7.5%	4.5*	DTL	2†	10	0.0	15	175n	570n	210n	408m†	8.0	0	70	6	G04508	M117aa
34	IC15	4G	300k	PCB	8.0	0.0	DTL	3†	7	25	25	80n			1.5	3.5	-55	100	12	G04126	CB34
35	IL15	4G	8.0M	PCB	8.0	0.0	DTL	3†	16	25	25	20n			3.4	3.5	-55	100	12	G04126	CB34
36	462	4G	300k	PCB	-6.8	0.0	DTL	2	1	12	12		12n	8.0n	500n	1.1	0	55	8		CB24
37	463	4G	300k	PCB	-6.8	0.0	DTL	3	1	12	12		200n	500n	900m		0	55	6		CB24
38	GR16	4G	200k	PCB	-12	0.0	DTL	4	6	12	6	600n			670m		-10	55	6	G04145	CB33
39	GR26	4G	2.0M	PCB	-12	0.0	DTL	4	6	12	6	80n			570m		-10	55	6	G04145	CB33
40	GR34	4G	8.0M	PCB	-12	0.0	DTL	4	6	12	6	30n			810m		-10	55	4	G04145a	CB33
41	4126	4G	600k	PCB	0.0	-3.0	RCT	2		15	10		60n	1.0u	909m	1.0	-20	55	6	G0499	CBZ
42	4128	4G	600k	PCB	0.0	-3.0	RCT	5		15	10		120n	1.8u	528m	750m	-20	55	2	G04129	CBZ
43	B42-001	4GM	4.0M	PCB	1.7	.30	DTL	3	15	0.0	10	85n			4.0m		-55	125	1		
44	466	4GS	300k	MON	-6.8	0.0	DTL	3	1	12	12		200n		1.2		0	55	5		CB24
45#	H103	4M		MON			DTL	3	25			105n			300m†		0	75	3		M105e
46	MIC311-1A	4M					CTL	5	10	0.0	4.0	15n			20m	200m	-55	125	2		T089
47	MIC311-1B	4M					CTL	5	10	0.0	4.0	15n			20m	200m	-55	125	2		T086
48	MIC311-1C	4M					CTL	5	10	0.0	4.0	15n			20m	200m	-55	125	2		CN17
49	MIC311-2A	4M					CTL	5	10	0.0	4.0	15n			20m	200m	0	100	2		T089
50	MIC311-2B	4M					CTL	5	10	0.0	4.0	15n			20m	200m	0	100	2		T086
51	MIC311-2C	4M					CTL	5	10	0.0	4.0	15n			20m	200m	0	100	2		CN17
52	MIC311-3A	4M					CTL	5	10	0.0	4.0	15n			20m	200m	15	55	2		T089
53	MIC311-3B	4M					CTL	5	10	0.0	4.0	15n			20m	200m	15	55	2		T086
54	MIC311-3C	4M					CTL	5	10	0.0	4.0	15n			20m	200m	15	55	2		CN17
55	A06A	4M	10M	MON	2.7	1.7	DTC	5Δ	5	0	5	18n	14n†	5.0n†	9.0m	900m	-55	125	1	G04148	CN16
56	A06F	4M	10M	MON	2.7	1.7	DTC	5Δ	5	0	5	18n	14n†	5.0n†	9.0m	900m	-55	125	1	G04148	T084
57	A07A	4M	10M	MON	2.7	1.7	DTC	4	5	0	5	18n	14n†	5.0n†	18m	900m	-55	125	2	G04149	CN16a
58	A07F	4M	10M	MON	2.7	1.7	DTC	4	5	0	5	18n	14n†	5.0n†	18m	900m	-55	125	2	G04149	T084
59	A10A	4M	10M	MON	2.7	1.7	DTC	54	10	0	5	12n			18m	900m	-55	125	1	G04148a	CN16
60	A10F	4M	10M	MON	2.7	1.7	DTC	54	10	0	5	12n			18m	900m	-55	125	1	G04148a	T084
61	A45A	4M	10M	MON	2.7	1.7	DTC	4	10	0	5	12n			36m	900m	0	70	2	G04149a	CN16a
62	A45F	4M	10M	MON	2.7	1.7	DTC	5Δ	5	0	5	12n			36m	900m	0	70	2	G04149a	T084
63	A46A	4M	10M	MON	2.7	1.7	DTC	5Δ	5	0	5	12n	14n†	5.0n†	9.0m	900m	0	70	1	G04148	CN16
64	A46F	4M	10M	MON	2.7	1.7	DTC	5Δ	5	0	5	12n	14n†	5.0n†	9.0m	900m	0	70	1	G04148	T084
65	A47A	4M	10M	MON	2.7	1.7	DTC	4	5	0	5	18n	14n†	5.0n†	18m	900m	0	70	2	G04149	CN16a
66	A47F	4M	10M	MON	2.7	1.7	DTC	4	5	0	5	18n	14n†	5.0n†	18m	900m	0	70	2	G04149	T084
67	A50A	4M	10M	MON	2.7	1.7	DTC	54	10	0	5	12n			18m	900m	0	70	1	G04148a	CN16
68	A50F	4M	10M	MON	2.7	1.7	DTC	54	10	0	5	12n			18m	900m	0	70	1	G04148a	T084
69	MIC310-1A	4M					DTL	5	10	0.0	4.0	15n			10m	200m	-55	125	1		T089
70	MIC310-1B	4M					DTL	5	10	0.0	4.0	15n			10m	200m	-55	125	1		T086
71	MIC310-1C	4M					DTL	5	10	0.0	4.0	15n			10m	200m	-55	125	1		CN17
72	MIC310-2A	4M					DTL	5	10	0.0	4.0	15n			10m	200m	0	100	1		T089
73	MIC310-2B	4M					DTL	5	10	0.0	4.0	15n	</								

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL			FAN IN		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	RISE TIME tr (s)	FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. °C		CKT PER MOD	DRAWINGS	
					1	0	2	IN	OUT MAX.	NEG. (V)	POS. (V)						LOW	HI		LOGIC DWG. No	OUTLINE DWG. No
					'1' (V)	'0' (V)															
1	SW930-2M	4M		MON	1.8%	1.2*	DTL	5Δ	8	0.0	5.0	30n			16m	800mΔ	0	75	2	G0492	M105n
2	SW930-2P	4M		MON	1.8%	1.2*	DTL	5Δ	8	0.0	5.0	30n			16m	800mΔ	0	75	2	G0492	TO116
3	SW930-2S	4M		MON	1.8%	1.2*	DTL	4†	8†	0.0	8.0	30n			16m	800mΔ	0	75	2	G0492d	CN52
4	SW930-2T	4M		MON	1.8%	1.2*	DTL	3†	8†	0.0	8.0	30n			16m	800mΔ	0	75	2	G0492	CN39
5	SW932-1F	4M		MON	1.8%	1.2*	DTL	5Δ	25†	0.0	8.0	35n			60m	1.0	-55	125	2	G04207a	TO86
6	SW932-1P	4M		MON	1.8%	1.2*	DTL	5Δ	25†	0.0	8.0	35n			60m†	1.0 Δ	-55	125	2	G04207a	TO116
7	SW932-1S	4M		MON	1.8%	1.2*	DTL	4†	25†	0.0	5.0	35n			60m	1.0	-55	125	2	G04207b	CN52
8	SW932-1T	4M		MON	1.8%	1.2*	DTL	3†	25†	0.0	8.0	35n			60m	1.0	-55	125	2	G04207	CN39
9	SW932-2F	4M		MON	1.8%	1.2*	DTL	5Δ	25†	0.0	8.0	35n			60m	800m	0	75	2	G04207a	TO86
10	SW932-2M	4M		MON	1.8%	1.2*	DTL	5Δ	25	0.0	5.0	35n			60m†	800mΔ	0	75	2	G04207a	M105n
11	SW932-2P	4M		MON	1.8%	1.2*	DTL	5Δ	25	0.0	5.0	35n			60m†	800mΔ	0	75	2	G04207a	TO116
12	SW932-2S	4M		MON	1.8%	1.2*	DTL	4†	25†	0.0	0.0	35n			60m	800m	0	75	2	G04207b	CN52
13	SW932-2T	4M		MON	1.8%	1.2*	DTL	3†	25†	0.0	0.0	35n			60m	800m	0	75	2	G04207	CN39
14	SW944-1F	4M		MON	1.8%	1.2*	DTL	5Δ	27†	0.0	0.0	25n			44m	1.0	-55	125	2	G04154	TO86
15	SW944-1P	4M		MON	1.8%	1.2*	DTL	5Δ	27	0.0	5.0	25n			44m†	1.0 Δ	-55	125	2	G04154	TO116
16	SW944-1S	4M		MON	1.8%	1.2*	DTL	4†	27†	0.0	0.0	25n			44m	1.0	-55	125	2	G04154	CN52
17	SW944-1T	4M		MON	1.8%	1.2*	DTL	3†	27†	0.0	0.0	25n			44m	1.0	-55	125	2	G04154b	CN39
18	SW944-2F	4M		MON	1.8%	1.2*	DTL	5Δ	27†	0.0	0.0	25n			44m	800m	0	75	2	G04154	TO86
19	SW944-2M	4M		MON	1.8%	1.2*	DTL	5Δ	27	0.0	5.0	25n			44m†	800mΔ	0	75	2	G04154	M105n
20	SW944-2P	4M		MON	1.8%	1.2*	DTL	5Δ	27	0.0	5.0	25n			44m†	800mΔ	0	75	2	G04154	TO116
21	SW944-2S	4M		MON	1.8%	1.2*	DTL	4†	27†	0.0	0.0	25n			44m	800m	0	75	2	G04154	CN52
22	SW944-2T	4M		MON	1.8%	1.2*	DTL	3†	27†	0.0	0.0	25n			44m	800m	0	75	2	G04154b	CN39
23	SW946-1F	4M		MON	1.8%	1.2*	DTL	2	8	0.0	0.0	30n			32m	1.0	-55	125	4	G0492g	TO86
24	SW946-1P	4M		MON	1.8%	1.2*	DTL	2	8	0.0	5.0	30n			32m	1.0 Δ	-55	125	4	G0492g	TO116
25	SW946-1S	4M		MON	1.8%	1.2*	DTL	2†	8†	0.0	0.0	30n			32m	1.0	-55	125	4	G0492c	CN52
26	SW946-2F	4M		MON	1.8%	1.2*	DTL	2	8†	0.0	0.0	30n			32m	800m	0	75	4	G0492g	TO86
27	SW946-2M	4M		MON	1.8%	1.2*	DTL	2	8	0.0	5.0	30n			32m†	800mΔ	0	75	4	G0492g	M105n
28	SW946-2P	4M		MON	1.8%	1.2*	DTL	2	8	0.0	5.0	30n			32m†	800mΔ	0	75	4	G0492g	TO116
29	SW946-2S	4M		MON	1.8%	1.2*	DTL	2†	8†	0.0	8.0	30n			32m	800m	0	75	4	G0492c	CN52
30	SW949-1F	4M		MON	1.8%	1.2*	DTL	2	7†	0.0	8.0	20n			48m	1.0	-55	125	4	G0492g	TO86
31	SW949-1P	4M		MON	1.8%	1.2*	DTL	2	7	0.0	5.0	20n			48m†	1.0 Δ	-55	125	4	G0492g	TO116
32	SW949-1S	4M		MON	1.8%	1.2*	DTL	2†	7†	0.0	8.0	20n			48m	1.0	-55	125	4	G0492c	CN52
33	SW949-2F	4M		MON	1.8%	1.2*	DTL	2	7†	0.0	8.0	20n			48m	800m	0	75	4	G0492g	TO86
34	SW949-2M	4M		MON	1.8%	1.2*	DTL	2	7	0.0	5.0	20n			48m†	800mΔ	0	75	4	G0492g	M105n
35	SW949-2P	4M		MON	1.8%	1.2*	DTL	2	7	0.0	5.0	20n			48m†	800mΔ	0	75	4	G0492g	TO116
36	SW949-2S	4M		MON	1.8%	1.2*	DTL	2†	7†	0.0	8.0	20n			48m	800m	0	75	4	G0492c	CN52
37	SW961-1F	4M		MON	1.8%	1.2*	DTL	5Δ	7†	0.0	8.0	20n			24m	1.0	-55	125	2	G0492	TO86
38	SW961-1P	4M		MON	1.8%	1.2*	DTL	5Δ	7	0.0	5.0	20n			24m†	1.0 Δ	-55	125	2	G0492	TO116
39	SW961-1S	4M		MON	1.8%	1.2*	DTL	4†	7†	0.0	8.0	20n			24m	1.0	-55	125	2	G0492d	CN52
40	SW961-1T	4M		MON	1.8%	1.2*	DTL	3†	7†	0.0	8.0	20n			24m	1.0	-55	125	2	G0492	CN39
41	SW961-2F	4M		MON	1.8%	1.2*	DTL	5Δ	7†	0.0	8.0	20n			24m	800m	0	75	2	G0492	TO86
42	SW961-2M	4M		MON	1.8%	1.2*	DTL	5Δ	7	0.0	5.0	20n			24m†	800mΔ	0	75	2	G0492	M105n
43	SW961-2P	4M		MON	1.8%	1.2*	DTL	5Δ	7	0.0	5.0	20n			24m†	800mΔ	0	75	2	G0492	TO116
44	SW961-2S	4M		MON	1.8%	1.2*	DTL	4†	7†	0.0	8.0	20n			24m	800m	0	75	2	G0492d	CN52
45	SW961-2T	4M		MON	1.8%	1.2*	DTL	3†	7†	0.0	8.0	20n			24m	800m	0	75	2	G0492	CN39
46	SW962-1F	4M		MON	1.8%	1.2*	DTL	3	8†	0.0	8.0	30n			24m	1.0	-55	125	3	G0492b	TO86
47	SW962-1P	4M		MON	1.8%	1.2*	DTL	3	8	0.0	5.0	30n			24m†	1.0 Δ	-55	125	3	G0492b	TO116
48	SW962-1S	4M		MON	1.8%	1.2*	DTL	3†	8†	0.0	8.0	30n			24m	1.0	-55	125	3	G0492e	CN52
49	SW962-1T	4M		MON	1.8%	1.2*	DTL	2†	8†	0.0	8.0	30n			24m	1.0	-55	125	3	G0492b	CN39
50	SW962-2F	4M		MON	1.8%	1.2*	DTL	3	8†	0.0	8.0	30n			24m	800m	0	75	3	G0492b	TO86
51	SW962-2M	4M		MON	1.8%	1.2*	DTL	3	8	0.0	5.0	30n			24m†	800mΔ	0	75	3	G0492b	M105n
52	SW962-2P	4M		MON	1.8%	1.2*	DTL	3	8	0.0	5.0	30n			24m†	800mΔ	0	75	3	G0492b	TO116
53	SW962-2S	4M		MON	1.8%	1.2*	DTL	3†	8†	0.0	8.0	30n			24m	800m	0	75	3	G0492e	CN52
54	SW962-2T	4M		MON	1.8%	1.2*	DTL	2†	8†	0.0	8.0	30n			24m	800m	0	75	3	G0492b	CN39
55	SW963-1F	4M		MON	1.8%	1.2*	DTL	3	7†	0.0	8.0	20n			36m	1.0	-55	125	3	G0492b	TO86
56	SW963-1P	4M		MON	1.8%	1.2*	DTL	3	7	0.0	5.0	20n			36m†	1.0 Δ	-55	125	3	G0492b	TO116
57	SW963-1S	4M		MON	1.8%	1.2*	DTL	3†	7†	0.0	8.0	20n			36m	1.0	-55	125	3	G0492e	CN52
58	SW963-1T	4M		MON	1.8%	1.2*	DTL	2†	7†	0.0	8.0	20n			36m	1.0	-55	125	3	G0492b	CN39
59	SW963-2F	4M		MON	1.8%	1.2*	DTL	3	7†	0.0	8.0	20n			36m	800m	0	75	3	G0492b	TO86
60	SW963-2M	4M		MON	1.8%	1.2*	DTL	3	7	0.0	5.0	20n			36m†	800mΔ	0	75	3	G0492b	M105n
61	SW963-2P	4M		MON	1.8%	1.2*	DTL	3	7	0.0	5.0	20n			36m†	800mΔ	0	75	3	G0492b	TO116
62	SW963-2S	4M		MON	1.8%	1.2*	DTL	3†	7†	0.0	8.0	20n			36m	800m	0	75	3	G0492e	CN52
63	SW963-2T	4M		MON	1.8%	1.2*	DTL	2†	7†	0.0	8.0	20n			36m	800m	0	75	3	G0492b	CN39
64	DTuL930#1	4M		MON	1.9	1.0	DTL	5Δ	8	0.0	5.0	30n			8.5m	1.0	0	75	2	G04154	FP28
65	DTuL930#2	4M		MON	1.9	1.0	DTL	5Δ	8	0.0	5.0	30n			8.5m	1.0	0	75	2	G04154	M54
66	DTuL932#1	4M		MON	1.9	1.0	DTL	5Δ	25	0.0	5.0	40n			8.5m	1.0	0	75	2	G04154	FP28
67	DTuL932#2	4M		MON	1.9	1.0	DTL	5Δ	25	0.0	5.0	40n			8.5m	1.0	0	75	2	G04154	M54
68	DTuL944#1	4M		MON	1.9	1.0	DTL	5Δ	25	0.0	5.0	50n			8.5m	1.0	0	75	2	G04154	FP28
69	DTuL944#2	4M		MON	1.9	1.0	DTL	5Δ	25	0.0	5.0	50n			8.5m	1.0	0	75	2	G04154	M54
70	DTuL946#1	4M		MON	1.9	1.0	DTL	2	8	0.0	5.0	80n			8.5m	1.0	0	75	4		FP28
71	DTuL946#2	4M		MON	1.9	1.0	DTL	2	8	0.0	5.0	80n			8.5m	1.0	0	75	4		M54
72	DTuL949#1	4M		MON	1.9	1.0	DTL	2	7	0.0	5.0										

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL	LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL			FAN OUT		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME		TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
						3	4	2	IN	OUT MAX.	NEG. (V)	POS. (V)		tr (s)	tf (s)			LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=MO
	1	RC216P	4M		MON	2.0%	1.0*	DTL	3	11	0	6.0	48n	33mT	550m	0	75	3			M105m	
	2	RC221D	4M		MON	2.0%	1.0*	DTL	4Δ	11	0	6.0	40n	22mT	550m	0	75	2			M105k	
	3	RC221G	4M		MON	2.0%	1.0*	DTL	4Δ	11	0	6.0	40n	22mT	550m	0	75	2	G0428b		T084	
	4	RC221P	4M		MON	2.0%	1.0*	DTL	4Δ	11	0	6.0	40n	22mT	550m	0	75	2			M105m	
	5	RC221T	4M		MON	2.0%	1.0*	DTL	4Δ	11	0	6.0	40n	22mT	550m	0	75	2	G0428b		TO101	
	6	RC224D	4M		MON	2.0%	1.0*	DTL		11	0	6.0	57n	11mT	550m	0	75	1			M105k	
	7	RC224G	4M		MON	2.0%	1.0*	DTL		11	0	6.0	57n	11mT	550m	0	75	1	G0428h		T084	
	8	RC224P	4M		MON	2.0%	1.0*	DTL		11	0	6.0	57n	11mT	550m	0	75	1			M105m	
	9	RC224T	4M		MON	2.0%	1.0*	DTL		11	0	6.0	57n	11mT	550m	0	75	1	G0428g		TO101	
	10	RC226D	4M		MON	2.0%	1.0*	DTL	3Δ	11	0	6.0	48n	60mT	550m	0	75	3			M105k	
	11	RC226G	4M		MON	2.0%	1.0*	DTL	3Δ	11	0	6.0	48n	60mT	550m	0	75	3	G0464b		T084	
	12	RC226P	4M		MON	2.0%	1.0*	DTL	3Δ	11	0	6.0	48n	60mT	550m	0	75	3			M105m	
	13	RC231D	4M		MON	2.0%	1.0*	DTL	5Δ	11	0	6.0	40n	22mT	550m	0	75	2			M105k	
	14	RC231G	4M		MON	2.0%	1.0*	DTL	5Δ	11	0	6.0	40n	22mT	550m	0	75	2	G0428c		T084	
	15	RC231P	4M		MON	2.0%	1.0*	DTL	5Δ	11	0	6.0	40n	22mT	550m	0	75	2			M105m	
	16	RC231T	4M		MON	2.0%	1.0*	DTL	5Δ	11	0	6.0	40n	22mT	550m	0	75	2			TO101	
	17	RC234D	4M		MON	2.0%	1.0*	DTL	10Δ	11	0	6.0	57n	20mT	550m	0	75	1			M105k	
	18	RC234G	4M		MON	2.0%	1.0*	DTL	10Δ	11	0	6.0	57n	20mT	550m	0	75	1	G0469c		T084	
	19	RC234P	4M		MON	2.0%	1.0*	DTL	10Δ	11	0	6.0	57n	20mT	550m	0	75	1			M105m	
	20	RC234T	4M		MON	2.0%	1.0*	DTL	10Δ	11	0	6.0	57n	20mT	550m	0	75	1	G0469f		TO101	
	21	RC236D	4M		MON	2.0%	1.0*	DTL	3	11	0	6.0	48n	60mT	550m	0	75	3			M105k	
	22	RC236G	4M		MON	2.0%	1.0*	DTL	3	11	0	6.0	48n	60mT	550m	0	75	3	G0464g		T084	
	23	RC236P	4M		MON	2.0%	1.0*	DTL	3	11	0	6.0	48n	60mT	550m	0	75	3			M105m	
	24	RC241D	4M		MON	2.0%	1.0*	DTL	4	11	0	6.0	40n	40mT	550m	0	75	2			M105k	
	25	RC241G	4M		MON	2.0%	1.0*	DTL	4	11	0	6.0	40n	40mT	550m	0	75	2	G0464c		T084	
	26	RC241P	4M		MON	2.0%	1.0*	DTL	4	11	0	6.0	40n	40mT	550m	0	75	2			M105m	
	27	RC241T	4M		MON	2.0%	1.0*	DTL	4	11	0	6.0	40n	40mT	550m	0	75	2	G0464h		TO101	
	28	RC246D	4M		MON	2.0%	1.0*	DTL	2	11	0	6.0	48n	44mT	550m	0	75	4			M105k	
	29	RC246G	4M		MON	2.0%	1.0*	DTL	2	11	0	6.0	48n	44mT	550m	0	75	4	G0467a		T084	
	30	RC246P	4M		MON	2.0%	1.0*	DTL	2	11	0	6.0	48n	44mT	550m	0	75	4			M105m	
	31	RC261D	4M		MON	2.0%	1.0*	DTL	5Δ	11	0	6.0	40n	40mT	550m	0	75	2			M105k	
	32	RC261G	4M		MON	2.0%	1.0*	DTL	5Δ	11	0	6.0	40n	40mT	550m	0	75	2	G0464d		T084	
	33	RC261P	4M		MON	2.0%	1.0*	DTL	5Δ	11	0	6.0	40n	40mT	550m	0	75	2			M105m	
	34	RC266D	4M		MON	2.0%	1.0*	DTL	2	11	0	6.0	48n	44mT	550m	0	75	4			M105k	
	35	RC266G	4M		MON	2.0%	1.0*	DTL	2	11	0	6.0	48n	44mT	550m	0	75	4	G0467a		T084	
	36	RC266P	4M		MON	2.0%	1.0*	DTL	2	11	0	6.0	48n	44mT	550m	0	75	4			M105m	
	37	RC930P	4M		MON	2.0%	1.0*	DTL	5Δ	8	0	5.0	30n	17mT	500m	0	75	2	G0427a		M105k	
	38	RC930T	4M		MON	2.0%	1.0*	DTL	31	8	0	5.0	30n	17mT	500m	0	75	2	G0427p		TO100	
	39	RC932D	4M		MON	2.0%	1.0*	DTL	5Δ	25	0	5.0	35n	56mT	500m	0	75	2			M105m	
	40	RC932J	4M		MON	2.0%	1.0*	DTL	5Δ	25	0	5.0	35n	56mT	500m	0	75	2			FP28	
	41	RC932P	4M		MON	2.0%	1.0*	DTL	5Δ	25	0	5.0	35n	56mT	500m	0	75	2			M105k	
	42	RC932T	4M		MON	2.0%	1.0*	DTL	31	25	0	5.0	35n	56mT	500m	0	75	2			TO101	
	43	RC944P	4M		MON	2.0%	1.0*	DTL	5Δ	25	0	5.0	30n	44mT	500m	0	75	2			M105k	
	44	RC944T	4M		MON	2.0%	1.0*	DTL	31	25	0	5.0	30n	44mT	500m	0	75	2			TO101	
	45	RC946P	4M		MON	2.0%	1.0*	DTL	2	8	0	5	30n	36mT	500m	0	75	4			M105k	
	46	RC946T	4M		MON	2.0%	1.0*	DTL	2	8	0	5	30n	36mT	500m	0	75	4			TO101	
	47	RC949P	4M		MON	2.0%	1.0*	DTL	2	7	0	5	25n	36mT	500m	0	75	4			M105k	
	48	RC949T	4M		MON	2.0%	1.0*	DTL	2	8	0	5	25n	36mT	500m	0	75	4			TO101	
	49	RC981P	4M		MON	2.0%	1.0*	DTL	5Δ	7	0	5.0	25n	17mT	500m	0	75	2	G0427a		M105k	
	50	RC981T	4M		MON	2.0%	1.0*	DTL	31	7	0	5.0	25n	17mT	500m	0	75	2	G0427p		TO100	
	51	RC982P	4M		MON	2.0%	1.0*	DTL	3	8	0	5	30n	24mT	500m	0	75	3			M105k	
	52	RC982T	4M		MON	2.0%	1.0*	DTL	3	8	0	5	30n	24mT	500m	0	75	3			TO101	
	53	RC983P	4M		MON	2.0%	1.0*	DTL	3	7	0	5.0	25n	21mT	500m	0	75	3			M105k	
	54	RC983T	4M		MON	2.0%	1.0*	DTL	3	7	0	5.0	25n	21mT	500m	0	75	3			TO101	
	55	RC6178T	4M		MON	2.0%	1.0*	DTL	31	11	0	6.0	48n	33mT	550m	0	75	3	G0469d		TO101	
	56	RC6178T	4M		MON	2.0%	1.0*	DTL	31	11	0	6.0	48n	33mT	550m	0	75	3	G0469d		TO101	
	57	RC6180T	4M		MON	2.0%	1.0*	DTL	21	11	0	6.0	48n	44mT	550m	0	75	4	G0464f		TO101	
	58	RC6181T	4M		MON	2.0%	1.0*	DTL	21	11	0	6.0	48n	44mT	550m	0	75	4	G0464f		TO101	
	59	RC6184T	4M		MON	2.0%	1.0*	DTL	31	11	0	6.0	48n	33mT	550m	0	75	3	G0469e		TO101	
	60	RC6185T	4M		MON	2.0%	1.0*	DTL	31	11	0	6.0	48n	33mT	550m	0	75	3	G0469e		TO101	
	61	RM201D	4M		MON	2.0%	1.0*	DTL	3	11	0	6.0	40n	22mT	550m	-55	125	2			M105k	
	62	RM201G	4M		MON	2.0%	1.0*	DTL	3	11	0	6.0	40n	22mT	550m	-55	125	2	G0428		T084	
	63	RM201P	4M		MON	2.0%	1.0*	DTL	3	11	0	6.0	40n	22mT	550m	-55	125	2			M105m	
	64	RM201T	4M		MON	2.0%	1.0*	DTL	3	11	0	6.0	40n	22mT	550m	-55	125	2	G0428		TO101	
	65	RM204D	4M		MON	2.0%	1.0*	DTL	5Δ	11	0	6.0	57n	11mT	550m	-55	125	1			M105k	
	66	RM204G	4M		MON	2.0%	1.0*	DTL	5Δ	11	0	6.0	57n	11mT	550m	-55	125	1	G0428e		T084	
	67	RM204P	4M		MON	2.0%	1.0*	DTL	5Δ	11	0	6.0	57n	11mT	550m	-55	125	1			M105m	
	68	RM204T	4M		MON	2.0%	1.0*	DTL	5Δ	11	0	6.0	57n	11mT	550m	-55	125	1	G0428e		TO101	
	69	RM206D	4M		MON	2.0%	1.0*	DTL	31	11	0	6.0	48n	33mT	550m	-55	125	3			M105k	
	70	RM206G	4M		MON	2.0%	1.0*	DTL	31	11	0	6.0	48n	33mT	550m	-55	125	3	G0428k		T084	
	71	RM206P	4M		MON	2.0%	1.0*	DTL	31	11	0	6.0	48n	33mT	550m	-55	125	3			M105m	
	72	RM211D	4M		MON	2.0%	1.0*	DTL	4	11	0	6.0	40n	22mT	550m	-55	125	2			M105k	
	73	RM211G	4M		MON	2.0%	1.0*	DTL	4	11	0	6.0	40n	22mT	550m	-55	125	2	G0428a		T084	
	74	RM211P	4M		MON	2.0%	1.0*	DTL	4	11	0	6.0	40n	22mT	550m	-55	125	2			M105m	
	75	RM211T	4M		MON	2.0%	1.0*	DTL	4	11	0	6.0	40n									

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					LEVEL	TYPE	IN	OUT MAX.	NEG. (V)	POS. (V)	LOW						HI	LOGIC DWG. No		OUTLINE DWG. No	
																					3
1	RM246P	4M	MON	2.0%	1.0*	DTL	2	11	0	6.0	48n			44m	550m	-55	125	4		M105m	
2	RM261D	4M	MON	2.0%	1.0*	DTL	5	11	0	6.0	40n			40m	550m	-55	125	2		M105k	
3	RM261G	4M	MON	2.0%	1.0*	DTL	5	11	0	6.0	40n			40m	550m	-55	125	2	GO464d	TO84	
4	RM261P	4M	MON	2.0%	1.0*	DTL	5	11	0	6.0	40n			40m	550m	-55	125	2		M105m	
5	RM266D	4M	MON	2.0%	1.0*	DTL	2	11	0	6.0	48n			44m	550m	-55	125	4		M105k	
6	RM266G	4M	MON	2.0%	1.0*	DTL	2	11	0	6.0	48n			44m	550m	-55	125	4	GO467a	TO84	
7	RM266P	4M	MON	2.0%	1.0*	DTL	2	11	0	6.0	48n			44m	550m	-55	125	4		M105m	
8	RM930P	4M	MON	2.0%	1.0*	DTL	5	8	0	5.0	30n			17m	500m	-55	125	2	GO427a	M105k	
9	RM930T	4M	MON	2.0%	1.0*	DTL	3	8	0	5.0	30n			17m	500m	-55	125	2	GO427p	TO100	
10	RM932D	4M	MON	2.0%	1.0*	DTL	5	25	0	5.0	35n			56m	500m	-55	125	2		M105m	
11	RM932P	4M	MON	2.0%	1.0*	DTL	5	25	0	5.0	35n			56m	500m	-55	125	2		M105k	
12	RM944P	4M	MON	2.0%	1.0*	DTL	5	25	0	5.0	30n			44m	500m	-55	125	2		M105k	
13	RM944T	4M	MON	2.0%	1.0*	DTL	3	25	0	5.0	30n			44m	500m	-55	125	2		TO101	
14	RM946P	4M	MON	2.0%	1.0*	DTL	2	8	0	5	30n			36m	500m	-55	125	4		M105k	
15	RM946T	4M	MON	2.0%	1.0*	DTL	2	8	0	5	30n			36m	500m	-55	125	4		TO101	
16	RM949P	4M	MON	2.0%	1.0*	DTL	2	7	0	5	25n			36m	500m	-55	125	4		M105k	
17	RM949T	4M	MON	2.0%	1.0*	DTL	2	7	0	5	25n			36m	500m	-55	125	4		TO101	
18	RM961P	4M	MON	2.0%	1.0*	DTL	5	7	0	5.0	25n			17m	500m	-55	125	2	GO427a	M105k	
19	RM961T	4M	MON	2.0%	1.0*	DTL	3	7	0	5.0	25n			17m	500m	-55	125	2	GO427p	TO100	
20	RM962P	4M	MON	2.0%	1.0*	DTL	3	8	0	5	30n			24m	500m	-55	125	3		M105k	
21	RM962T	4M	MON	2.0%	1.0*	DTL	3	8	0	5	30n			24m	500m	-55	125	3		TO101	
22	RM963P	4M	MON	2.0%	1.0*	DTL	3	7	0	5.0	25n			21m	500m	-55	125	3		M105k	
23	RM963T	4M	MON	2.0%	1.0*	DTL	3	7	0	5.0	25n			21m	500m	-55	125	3		TO101	
24	RM6178T	4M	MON	2.0%	1.0*	DTL	3	11	0	6.0	48n			33m	550m	-55	125	3	GO469d	TO101	
25	RM6179T	4M	MON	2.0%	1.0*	DTL	3	11	0	6.0	48n			33m	550m	-55	125	3	GO469d	TO101	
26	RM6180T	4M	MON	2.0%	1.0*	DTL	2	11	0	6.0	48n			44m	550m	-55	125	4	GO464f	TO101	
27	RM6181T	4M	MON	2.0%	1.0*	DTL	2	11	0	6.0	48n			44m	550m	-55	125	4	GO464f	TO101	
28	RM6184T	4M	MON	2.0%	1.0*	DTL	3	11	0	6.0	48n			33m	550m	-55	125	3	GO469e	TO101	
29	RM6185T	4M	MON	2.0%	1.0*	DTL	3	11	0	6.0	48n			33m	550m	-55	125	3	GO469e	TO101	
30	SI830	4M	MON	2.0	1.1	DTL	5	2	0	5	80nΔ					0	75	2	GO492f	TO84	
31	SI846F	4M	MON	2.0	1.1	DTL	2	4	0.0	5.5	80nΔ					0	75	4	GO4153a	TO84	
32	SI862	4M	MON	2.0	1.1	DTL	3	3	0	5.5	80nΔ					0	75	3	GO492fc	TO84	
33	SI930	4M	MON	2.0	1.1	DTL	5	2	0	5	80nΔ					-55	125	2	GO492f	TO84	
34	SI946F	4M	MON	2.0	1.1	DTL	2	4	0.0	5.5	80nΔ					-55	125	4	GO4153a	TO84	
35	SI962	4M	MON	2.0	1.1	DTL	3	3	0	5.5	80nΔ					-55	125	3	GO492fc	TO84	
36#	FFH121A2	4M	MON	2.4%	.40*	DTL	5	25	8.0	5	50n			28m	1.0	0	75	1	GO4226	TO74	
37#	FFH121C1	4M	MON	2.4%	.40*	DTL	5	25	8.0	8	50n			28m	1.0	0	75	1	GO4226	TO91	
38	SN5330	4M	MON	2.5%	.30*	DTL	3	10	0	7	25n		45n	24m		-55	125	2	GO4200e	TO89	
39	SN5331	4M	MON	2.5%	.30*	DTL	3	10	0	7	25n		45n	36m		-55	125	3	GO4200a	TO84	
40	SN5360	4M	MON	2.5%	.30*	DTL	2	10	0	7	25n		45n	48m		-55	125	4	GO4200b	TO84	
41	SI846	4M	MON	2.5%	.40*	DTL	2	8	0	8	80n					-55	125	4		TO84	
42	SI946	4M	MON	2.5%	.40*	DTL	2	8	0	8	80n					-55	125	4		TO84	
43	SN1501	4M	10M	MON	2.5	.40*	DTL	5	8	0.0	5.5	25n		10m	750m	-55	125	2	GO4217	TO84	
44	SN1503	4M	10M	MON	2.5	.40*	DTL	2	8	0.0	5.5	25n		20m	750m	-55	125	4	GO4217a	TO84	
45	SN1504	4M	10M	MON	2.5	.40*	DTL	5	27	0.0	5.5	15n		10m	750m	-55	125	2	GO4218a	TO84	
46	SN1505	4M	10M	MON	2.5	.40*	DTL	3	8	0.0	5.5	25n		15m	750m	-55	125	3	GO4217b	TO84	
47	WC949D	4M	MON	2.6%	.40*	DTL	2	7	0	8	29n			66m		0	75	4	GO4229a	M126b	
48	DTL393051	4M	MON	2.6%	.40*	DTL	5	8	0.0	8.0	80nΔ			17m	500m	-55	125	2	GO4217	FP28	
49	DTL393251	4M	MON	2.6%	.40*	DTL	5	25	0.0	8.0	80nΔ			100m	500m	-55	125	2	GO4207a	FP28	
50	DTL394451	4M	MON	2.6%	.40*	DTL	5	25	0.0	8.0	50nΔ			74m	500m	-55	125	2	GO4154	FP28	
51	DTL394651	4M	MON	2.6%	.40*	DTL	2	8	0.0	8.0	80nΔ			34m	500m	-55	125	4	GO4217a	FP28	
52	DTL396251	4M	MON	2.6%	.40*	DTL	3	8	0.0	8.0	80nΔ			26m	500m	-55	125	3	GO4217b	FP28	
53	DTL693051	4M	MON	2.6%	.40*	DTL	5	8	0.0	8.0	80nΔ			17m	500m	-55	125	2	GO4217	M54	
54	DTL693251	4M	MON	2.6%	.40*	DTL	5	25	0.0	8.0	80nΔ			100m	500m	-55	125	2	GO4207e	M54	
55	DTL694451	4M	MON	2.6%	.40*	DTL	5	25	0.0	8.0	80nΔ			74m	500m	-55	125	2	GO4154	M54	
56	DTL694651	4M	MON	2.6%	.40*	DTL	2	8	0.0	8.0	80nΔ			34m	500m	-55	125	4	GO4217a	M54	
57	DTL696251	4M	MON	2.6%	.40*	DTL	3	8	0.0	8.0	80nΔ			26m	500m	-55	125	3	GO4217b	M54	
58#	MIC930	4M	MON	2.6%	.40*	DTL	5	8	0.0	5.0	25n			8.5mΔ	1.0		T3	2	GO4229	TO116	
59#	MIC932	4M	MON	2.6%	.40*	DTL	5	25	0.0	5.0	30n			27mΔ	1.0		T3	2	GO4154c	TO116	
60#	MIC944	4M	MON	2.6%	.40*	DTL	5	27	0.0	5.0	25n			22mΔ	1.0		T3	2	GO4154b	TO116	
61#	MIC946	4M	MON	2.6%	.40*	DTL	2	8	0.0	5.0	25n			8.5mΔ	1.0		T3	4	GO4229a	TO116	
62#	MIC962	4M	MON	2.6%	.40*	DTL	3	8	0.0	5.0	25n			8.5mΔ	1.0		T3	3	GO4229f	TO116	
63	PD9930-51	4M	MON	2.6%	.40*	DTL	5	8	0.0	8.0	80nΔ			32m	1.0	-55	125	2	GO427a	TO116	
64	PD9932-51	4M	MON	2.6%	.40*	DTL	5	8	0.0	8.0	80nΔ			130m	1.0	-55	125	2	GO4154c	TO116	
65	PD9936-51	4M	MON	2.6%	.40*	DTL	1	8	0.0	8.0	80nΔ			100m	1.0	-55	125	6	GO4310e	TO116	
66	PD9944-51	4M	MON	2.6%	.40*	DTL	5	8	0.0	8.0	50nΔ			100m	1.0	-55	125	2	GO4154b	TO116	
67	PD9946-51	4M	MON	2.6%	.40*	DTL	2	8	0.0	8.0	80nΔ			65m	1.0	-55	125	4	GO427	TO116	
68	PD9946E51	4M	MON	2.6%	.40*	DTL	2	8	0.0	8.0	80nΔ			65m	1.0	-55	125	4	GO427j	TO116	
69	PL9930-51	4M	MON	2.6%	.40*	DTL	5	8	0.0	8.0	80nΔ			32m	1.0	-55	125	2	GO427a	TO86	
70	PL9932-51	4M	MON	2.6%	.40*	DTL	5	8	0.0	8.0	80nΔ			130m	1.0	-55	125	2	GO4154c	TO86	
71	PL9936-51	4M	MON	2.6%	.40*	DTL	1	8	0.0	8.0	80nΔ			100m	1.0	-55	125	6	GO4310e	TO86	
72	PL9944-51	4M	MON	2.6%	.40*	DTL	5	8	0.0	8.0	50nΔ			100m	1.0	-55	125	2	GO4154b	TO86	
73	PL9946-51	4M	MON	2.6%	.40*	DTL	2	8	0.0	8.0	80nΔ			65m	1.0	-55	125	4	GO427	TO86	
74	PL9946E51	4M	MON	2.6%	.40*	DTL	2	8	0.0	8.0	80nΔ			65m	1.0	-55	125	4	GO427j	TO86	
75	RDD930R	4M	MON	2.6%	.40*	DTL	5	9	0.0	8.0	30n			33m	1.0	-55	125	2	GO41e	TO86	
76	RDD932R	4M	MON	2.6%	.40*	DTL	5	22	0.0	8.0	20n			135m	1.0	-55	125	2	GO4218	TO86	
77																					

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	TYPE No.	TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN OUT MAX.		POWER SUPPLY SPAN		PROPAGA-TION DELAY (s)	MAX. RISE TIME tr (s)		FALL TIME tf (s)	TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS		
					3	LEVEL		2	IN	OUT	NEG. (V)		POS. (V)	10n				10n	°C		°C	LOGIC DWG. No	OUTLINE DWG. No Δ=MO
						1	0																
1	WC963D	4M		MON	2.6	.45*	DTL	3	7	0	8	25n	45n	40n	50m	200m	0	75	3	G04229F	M126b		
2	SN533	4M		MON	2.7	.30	DTL	3	10	0	8	25n	50n	40n	24m	200m	-55	125	2	G04200c	ZB5		
3	SN5310	4M		MON	2.7	.3*	DTL	6Δ	10	0	7	30n	50n	40n	12m	200m	-55	125	1	G04200d	TO89		
4	SN5311	4M		MON	2.7	.3*	DTL	5	10	0	7	25n	45n	40n	24m	200m	-55	125	2	G04200	TO84		
5	A54F	4M		MON	2.7	1.7	DTL	2	5	0	5	18n	14n	5n	36m	900m	-55	125	4	G0434b	TO84		
6	A01A	4M	10M	MON	2.7	1.7	DTL	5Δ	15	0	5	18n	14n	5.0n	9.0m	900m	-55	125	1	G04148	CN16		
7	A01F	4M	10M	MON	2.7	1.7	DTL	5Δ	15	0	5	18n	14n	5.0n	9.0m	900m	-55	125	1	G04148	TO84		
8	A02A	4M	10M	MON	2.7	1.7	DTL	4	10	0	5	18n	14n	5.0n	18m	900m	-55	125	2	G04149	CN16a		
9	A02F	4M	10M	MON	2.7	1.7	DTL	4	10	0	5	18n	14n	5.0n	18m	900m	-55	125	2	G04149	TO84		
10	A05A	4M	10M	MON	2.7	1.7	DTL	4	10	0	5	12n			36m	900m	-55	125	2	G04149a	CN16a		
11	A05F	4M	10M	MON	2.7	1.7	DTL	4	10	0	5	12n			36m	900m	-55	125	2	G04149a	TO84		
12	A12A	4M	10M	MON	2.7	1.7	DTL	4	5	0	5	12n			36m	900m	-55	125	2	G04149a	CN16a		
13	A12F	4M	10M	MON	2.7	1.7	DTL	4	5	0	5	12n			36m	900m	-55	125	2	G04149a	TO84		
14	A13A	4M	10M	MON	2.7	1.7	DTL	5Δ	5	0	5	12n			18m	900m	-55	125	1	G04148a	CN16		
15	A13F	4M	10M	MON	2.7	1.7	DTL	5Δ	5	0	5	12n			18m	900m	-55	125	1	G04148a	TO84		
16	A14F	4M	10M	MON	2.7	1.7	DTL	2	5	0.0	5.0	18n	14n	5.0n	36m	900m	-55	125	4	G0434b	TO84		
17	A15F	4M	10M	MON	2.7	1.7	DTL	2	10	0	5	18n	14n	5.0n	36m	900m	-55	125	4	G0434b	TO84		
18	A20A	4M	10M	MON	2.7	1.7	DTL	4		0	5	12n			14m	200m	-55	125	2	G04149a	CN16a		
19	A20F	4M	10M	MON	2.7	1.7	DTL	4		0	5	12n			14m	200m	-55	125	2	G04149a	TO84		
20	A41A	4M	10M	MON	2.7	1.7	DTL	5Δ	15	0	5	18n	14n	5.0n	9.0m	900m	0	70	1	G04148	CN16		
21	A41F	4M	10M	MON	2.7	1.7	DTL	5Δ	15	0	5	18n	14n	5.0n	9.0m	900m	0	70	1	G04148	TO84		
22	A42A	4M	10M	MON	2.7	1.7	DTL	4	15	0	5	18n	14n	5.0n	18m	900m	0	70	2	G04149	CN16a		
23	A42F	4M	10M	MON	2.7	1.7	DTL	4	15	0	5	18n	14n	5.0n	18m	900m	0	70	2	G04149	TO84		
24	A52A	4M	10M	MON	2.7	1.7	DTL	4	5	0	5	12n			36m	900m	0	70	2	G04149a	CN16a		
25	A52F	4M	10M	MON	2.7	1.7	DTL	4	5	0	5	12n			36m	900m	0	70	2	G04149a	TO84		
26	A53A	4M	10M	MON	2.7	1.7	DTL	5Δ	5	0	5	12n			18m	900m	0	70	1	G04148a	CN16		
27	A53F	4M	10M	MON	2.7	1.7	DTL	5Δ	5	0	5	12n			18m	900m	0	70	1	G04148a	TO84		
28	A55F	4M	10M	MON	2.7	1.7	DTL	2	10	0	5	18n	14n	5.0n	36m	900m	-55	125	4	G0434b	TO84		
29	A60A	4M	10M	MON	2.7	1.7	DTL	4		0	5	12n			14m	200m	0	70	2	G04149a	CN16a		
30	A60F	4M	10M	MON	2.7	1.7	DTL	4		0	5	12n			14m	200m	0	70	2	G04149a	TO84		
31	RD209	4M		MON	2.8	.25†	DTL	5Δ	12	0	5.5	7.0n			10m	1.2	-55	125	2	G04272	TO84		
32	RD309	4M		MON	2.8	.25†	DTL	5Δ	8	0	5.5	7.0n			10m	1.2	-55	125	2	G04272	TO84		
33	RD509	4M		MON	2.8	.30†	DTL	5Δ	12	0	5.5	7.0n			10m	1.2	-55	0	75	2	G04272	TO84	
34	DTL393059	4M		MON	2.8	.45†*	DTL	5Δ	8	0.0	8.0	80nΔ			17m	500m	0	75	2	G04217	FP28		
35	DTL393259	4M		MON	2.8	.45†*	DTL	5Δ	25	0.0	8.0	80nΔ			100m	500m	0	75	2	G04207a	FP28		
36	DTL394459	4M		MON	2.8	.45†*	DTL	5Δ	25	0.0	8.0	50nΔ			74m	500m	0	75	2	G04154	FP28		
37	DTL394659	4M		MON	2.8	.45†*	DTL	2	8	0.0	8.0	80nΔ			34m	500m	0	75	4	G04217a	FP28		
38	DTL396259	4M		MON	2.8	.45†*	DTL	3	8	0.0	8.0	80nΔ			26m	500m	0	75	3	G04217b	FP28		
39	DTL693059	4M		MON	2.8	.45†*	DTL	5Δ	8	0.0	8.0	80nΔ			17m	500m	0	75	2	G04217	M54		
40	DTL693259	4M		MON	2.8	.45†*	DTL	5Δ	25	0.0	8.0	80nΔ			100m	500m	0	75	2	G04207a	M54		
41	DTL694459	4M		MON	2.8	.45†*	DTL	5Δ	25	0.0	8.0	50nΔ			74m	500m	0	75	2	G04154	M54		
42	DTL694659	4M		MON	2.8	.45†*	DTL	2	8	0.0	8.0	80nΔ			34m	500m	0	75	4	G04217a	M54		
43	DTL696259	4M		MON	2.8	.45†*	DTL	3	8	0.0	8.0	80nΔ			26m	500m	0	75	3	G04217b	M54		
44	1264B3	4M		MON	3.0	0.0	DTL	3	15	0.0	8.0	25n		60n			-55	125	2	G04120	CN41		
45	1264D2	4M		MON	3.0	0.0	DTL	2	5	8.0	8.0	30n			100m		-55	125	2	G04118	CN41		
46	1264D3	4M		MON	3.0	0.0	DTL	3	15	0.0	8.0	25n		60n			-55	125	2	G04120	CN41		
47	1264D4	4M		MON	3.0	0.0	DTL	4	15	0.0	8.0	25n		60n			-55	125	2	G04117	CN41		
48	1264D5	4M		MON	3.0	0.0	DTL	3†	5	8.0	8.0				100m		-55	125	2	G04116	CN41		
49	1264DR	4M		MON	3.0	0.0	DTL	3†	4	8.0	8.0				100m		-55	125	2	G04116a	CN41		
50	1264E3	4M		MON	3.0	0.0	DTL	4Δ	15	0.0	8.0	25n		60n			-55	125	2	G04115	CN41		
51	1264E4	4M		MON	3.0	0.0	DTL	5Δ	15	0.0	8.0	25n		60n			-55	125	2	G04114	CN41		
52	1264G9	4M		MON	3.0	0.0	DTL	3	8	0.0	8.0	20n					-55	125	3	G04113	CN41		
53	1264P	4M		MON	3.0	0.0	DTL	4Δ	20	8.0	8.0	40n			100m		-55	125	1	G04119	CN41		
54	2264B3	4M		MON	3.0	0.0	DTL	3	15	0.0	8.0	25n		60n			-55	125	2	G04120	FP19a		
55	2264D2	4M		MON	3.0	0.0	DTL	2	5	8.0	8.0	30n			100m		-55	125	2	G04118	FP19		
56	2264D3	4M		MON	3.0	0.0	DTL	3	15	0.0	8.0	25n		60n			-55	125	2	G04120	FP19a		
57	2264D4	4M		MON	3.0	0.0	DTL	4	15	0.0	8.0	25n		60n			-55	125	2	G04117	FP19a		
58	2264D5	4M		MON	3.0	0.0	DTL	3†	5	8.0	8.0				100m		-55	125	2	G04116	FP19a		
59	2264DR	4M		MON	3.0	0.0	DTL	3†	4	8.0	8.0				100m		-55	125	2	G04116a	FP19a		
60	2264E3	4M		MON	3.0	0.0	DTL	4Δ	15	0.0	8.0	25n		60n			-55	125	2	G04115	FP19a		
61	2264E4	4M		MON	3.0	0.0	DTL	5Δ	15	0.0	8.0	25n		60n			-55	125	2	G04114	FP19a		
62	2264G9	4M		MON	3.0	0.0	DTL	3	8	0.0	8.0	20n					-55	125	3	G04113	FP19a		
63	2264P	4M		MON	3.0	0.0	DTL	4Δ	20	8.0	8.0	40n			100m		-55	125	1	G04119	FP19		
64	73B4	4M		MON	3.0%	.61*	DTL	3†	4	8	8	50n			40m	800m	-55	125	2	G04256a	TO100		
65	73B4P	4M		MON	3.0%	.61*	DTL	3†	4	8	8	50n			40m	800m	-55	125	2	G04256a	TO91		
66	CS720J	4M		MON	3.1%	.35†*	DTL	2	6	0	8	115nΔ		75n	150m	1.0 Δ	-55	125	4	G0489c	TO88		
67	CS721J	4M		MON	3.1%	.35†*	DTL	3	6	0	8	115nΔ		75n	150m	1.0 Δ	-55	125	3	G0489d	TO88		
68	CS727J	4M		MON	3.1%	.35†*	DTL	2Δ	6	0	8	115nΔ		75n	150m	1.0 Δ	-55	125	3	G0489e	TO88		
69	CS730J	4M		MON	3.1%	.35†*	DTL	5	6	0	8	115nΔ		75n	150m	1.0 Δ	-55	125	2	G0489f	TO88		
70	US720J	4M		MON	3.1%	.35†*	DTL	2	6	0	8	115nΔ		75n	150m	1.0 Δ	-55	125	4	G0489c	TO88		
71	US721J	4M		MON	3.1%	.35†*	DTL	3	6	0	8	115nΔ		75n	150m	1.0 Δ	-55	125	3	G0489d	TO88		
72	US727J	4M		MON	3.1%	.35†*	DTL	2Δ	6	0	8	115nΔ		75n	150m	1.0 Δ	-55	125	3	G04			

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN IN	OUT MAX.	POWER SUPPLY SPAN	PROPAGATION DELAY (s)	MAX.		TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					LEVEL	TYPE	IN					RISE TIME tr (s)	FALL TIME tf (s)			LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=MO
1	NE102K	4M		MON	3.9%	.451*	DTL	4Δ	5	6	6.2	35n%	250m	1.0 Δ	0	70	1	G0482a	CN17	
2	NE112A	4M		MON	3.9%	.451*	DTL	4Δ	19	0	6.2	85nΔ	68m		0	70	2	G0485d	TO116	
3	NE112J	4M		MON	3.9%	.451*	DTL	4Δ	19	0	6.2	85nΔ	68m		0	70	2	G0485a	TO88	
4	NE113K	4M		MON	3.9%	.451*	DTL	3	15	0	6.2		250m		0	70	2	G0483a	CN17	
5	NE115G	4M		MON	3.9%	.451*	DTL	2	5	0	6.2		250m		0	70	2	G0482b	TO91	
6	NE115A	4M		MON	3.9%	.451*	DTL	2	5	0	6.2	35n%	250m	1.0 Δ	0	70	2	G0482b	CN17	
7	NE116A	4M		MON	3.9%	.451*	DTL	5Δ	6	0	6.2	65nΔ	30m		0	70	2	G0489j	TO116	
8	NE116A	4M		MON	3.9%	.451*	DTL	5Δ	6	0	6.2	65nΔ	30m		0	70	2	G0489j	TO88	
9	NE170A	4M		MON	3.9%	.451*	DTL	3	6	0	6.2	65nΔ	45m		0	70	3	G0489h	TO116	
10	NE170J	4M		MON	3.9%	.451*	DTL	3	6	0	6.2	65nΔ	45m		0	70	3	G0489a	TO88	
11	NE180A	4M		MON	3.9%	.451*	DTL	2	6	0	6.2	65nΔ	60m		0	70	4	G0489g	TO116	
12	NE180J	4M		MON	3.9%	.451*	DTL	2	6	0	6.2	65nΔ	60m		0	70	4	G0489b	TO88	
13	NS700G	4M		MON	3.9%	.451*	DTL	3	5	6	6.2		250m		0	70	2	G0482d	ZB105	
14	NS700K	4M		MON	3.9%	.451*	DTL	3	5	6	6.2		250m		0	70	2	G0482d	CN17	
15	NS701G	4M		MON	3.9%	.451*	DTL	3	5	6	6.2		250m		0	70	2	G0482c	ZB105	
16	NS701K	4M		MON	3.9%	.451*	DTL	3	5	6	6.2		250m		0	70	2	G0482c	CN17	
17	SE101G	4M		MON	3.9%	.451*	DTL	5Δ	5	0	8.2	35n%	250m	1.0 Δ	-55	125	1	G0482	TO91	
18	SE101K	4M		MON	3.9%	.451*	DTL	5Δ	5	0	8.2	35n%	250m	1.0 Δ	-55	125	1	G0482	CN17	
19	SE102G	4M		MON	3.9%	.451*	DTL	4Δ	5	0	8.2	35n%	250m	1.0 Δ	-55	125	1	G0482a	TO91	
20	SE102K	4M		MON	3.9%	.451*	DTL	4Δ	5	0	8.2	35n%	250m	1.0 Δ	-55	125	1	G0482a	CN17	
21	SE112J	4M		MON	3.9%	.451*	DTL	4Δ	19	0	8.2	20n%	250m	1.0 Δ	-55	125	2	G0485a	TO88	
22	SE113K	4M		MON	3.9%	.451*	DTL	3	15	0	8.2	20n%	250m	1.0 Δ	-55	125	2	G0485c	CN17	
23	SE115G	4M		MON	3.9%	.451*	DTL	2	5	0	8.2	35n%	250m	1.0 Δ	-55	125	2	G0482b	TO91	
24	SE115K	4M		MON	3.9%	.451*	DTL	2	5	0	8.2	35n%	250m	1.0 Δ	-55	125	2	G0482b	CN17	
25	SE116J	4M		MON	3.9%	.451*	DTL	5Δ	6	0	8.2	25n%	250m	1.0 Δ	-55	125	2	G0489	TO88	
26	SE170J	4M		MON	3.9%	.451*	DTL	3	6	0	8.2	25n%	250m	1.0 Δ	-55	125	3	G0489a	TO88	
27	SE180J	4M		MON	3.9%	.451*	DTL	2	6	0	8.2	25n%	250m	1.0 Δ	-55	125	4	G0489b	TO88	
28	NE110G	4M		MON	3.9%	.551*	DTL	4Δ	20	6	6		250m		0	70	1	G0483	TO91	
29	NE110K	4M		MON	3.9%	.551*	DTL	4Δ	20	6	6	20n%	250m		0	70	1	G0483	CN17	
30	SE110G	4M		MON	3.9%	.551*	DTL	4Δ	20	0	8.2	20n%	250m		-55	125	1	G0483	TO91	
31	SE110K	4M		MON	3.9%	.551*	DTL	4Δ	20	0	8.2	20n%	250m		-55	125	1	G0483	CN17	
32	MC201F	4M	15M	MON	4.0	.30	DTL	5Δ	5	8	8	30n	8.5m	500m	-55	125	1	G04141	TO91	
33	MC201G	4M	15M	MON	4.0	.30	DTL	5Δ	5	8	8	30n	8.5m	500m	-55	125	1	G04141	CN8	
34	MC202F	4M	15M	MON	4.0	.30	DTL	4Δ	5	8	8	30n	8.5m	500m	-55	125	1	G04141a	TO91	
35	MC202G	4M	15M	MON	4.0	.30	DTL	4Δ	5	8	8	30n	8.5m	500m	-55	125	1	G04141a	CN8	
36	MC204F	4M	15M	MON	4.0	.30	DTL	4Δ	20	6	8	40n	60m	500m	-55	125	1	G04140	TO91	
37	MC204G	4M	15M	MON	4.0	.30	DTL	4Δ	20	6	8	40n	60m	500m	-55	125	1	G04140	CN8	
38	MC206F	4M	15M	MON	4.0	.30	DTL	2	5	8	8	30n	17m	500m	-55	125	2	G04138	TO91	
39	MC206G	4M	15M	MON	4.0	.30	DTL	2	5	8	8	30n	17m	500m	-55	125	2	G04138	CN8	
40	MC207F	4M	15M	MON	4.0	.30	DTL	3†	5	8	8	30n	17m	500m	-55	125	2	G04142	TO91	
41	MC207G	4M	15M	MON	4.0	.30	DTL	3†	5	8	8	30n	17m	500m	-55	125	2	G04142	CN8	
42	MC208F	4M	15M	MON	4.0	.30	DTL	3†	4	8	8	30n	30m	500m	-55	125	2	G04290	TO91	
43	MC208G	4M	15M	MON	4.0	.30	DTL	3†	4	8	8	30n	30m	500m	-55	125	2	G04290	CN8	
44	MC212F	4M	15M	MON	4.0	.30	DTL	3	5	0	8	30n	15m	500m	-55	125	2	G04143	TO91	
45	MC212G	4M	15M	MON	4.0	.30	DTL	3	5	0	8	30n	15m	500m	-55	125	2	G04143	CN8	
46	MC213F	4M	15M	MON	4.0	.30	DTL	3	4	0	8	30n	30m	500m	-55	125	2	G04139	TO91	
47	MC213G	4M	15M	MON	4.0	.30	DTL	3	4	0	8	30n	30m	500m	-55	125	2	G04139	CN8	
48	MC251F	4M	15M	MON	4.0	.30	DTL	5Δ	5	8	8	30n	10m	500m	0	75		G04141	TO91	
49	MC251G	4M	15M	MON	4.0	.30	DTL	5Δ	5	8	8	30n	10m	500m	0	75		G04141	CN8	
50	MC252F	4M	15M	MON	4.0	.30	DTL	4Δ	5	8	8	30n	10m	500m	0	75		G04141a	TO91	
51	MC252G	4M	15M	MON	4.0	.30	DTL	4Δ	5	8	8	30n	10m	500m	0	75		G04141a	CN8	
52	MC256F	4M	15M	MON	4.0	.30	DTL	2	10	8	8	30n	20m	500m	0	75	2	G04138	TO91	
53	MC256G	4M	15M	MON	4.0	.30	DTL	2	10	8	8	30n	20m	500m	0	75	2	G04138	CN8	
54	MC257F	4M	15M	MON	4.0	.30	DTL	3†	10	8	8	30n	20m	500m	0	75	2	G04142	TO91	
55	MC257G	4M	15M	MON	4.0	.30	DTL	3†	10	8	8	30n	20m	500m	0	75	2	G04142	CN8	
56	MC258F	4M	15M	MON	4.0	.30	DTL	3†	8	8	8	30n	34m	500m	0	75	2	G04290	TO91	
57	MC258G	4M	15M	MON	4.0	.30	DTL	3†	8	8	8	30n	34m	500m	0	75	2	G04290	CN8	
58	MC262F	4M	15M	MON	4.0	.30	DTL	3	10	0	8	30n	19m	500m	0	75	2	G04290	TO91	
59	MC262G	4M	15M	MON	4.0	.30	DTL	3	10	0	8	30n	19m	500m	0	75	2	G04290	CN8	
60	MC263F	4M	15M	MON	4.0	.30	DTL	3	8	0	8	30n	33m	500m	0	75	2	G04139	TO91	
61	MC263G	4M	15M	MON	4.0	.30	DTL	3	8	0	8	30n	33m	500m	0	75	2	G04139	CN8	
62	SN7310	4M		MON	4.0*	.40*	DTL	6Δ	10	0.0	7.0	35n	12m		0	70	1	G04200d	TO91	
63	SN7311	4M		MON	4.0*	.40*	DTL	5	10	0	7	20n	24m		0	70	2	G04200	TO84	
64	SN7315	4M		MON	4.0*	.40*	DTL	11Δ	10	0	7	35n	12m		0	70	1		TO84	
65	SN7330	4M		MON	4.0*	.40*	DTL	3	10	0	7	20n	24m		0	70	2	G04200e	TO89	
66	SN7331	4M		MON	4.0*	.40*	DTL	3	10	0	7	20n	36m		0	70	3	G04200a	TO84	
67	SN7360	4M		MON	4.0*	.40*	DTL	2	10	0	7	20n%	48m		0	70	4	G04200b	TO84	
68#	448A	4M		MON	4.0%	.6†	DTL	5Δ	5	8	8	40n	8.0m		-55	125	1	G0495	TO100	
69#	4484P	4M		MON	4.0%	.6†	DTL	5Δ	5	8	8	40n	8.0m		-55	125	1	G0495	TO91	
70#	638A	4M		MON	4.0%	.6†	DTL	4Δ	5	8	8	35n	8.0m		-55	125	1	G0495a	TO100	
71#	6384P	4M		MON	4.0%	.6†	DTL	4Δ	5	8	8	35n	8.0m		-55	125	1	G0495a	TO91	
72	PD9937-59	4M		MON	4.3%	.451*	DTL	1	8	0.0	8.0	50nΔ	180m		0	75	6	G04310e	TO116	
73	PD9949-59	4M		MON	4.3%	.451*	DTL	2	8	0.0	8.0	50nΔ	120m	1.0	0	75	4	G0492g	TO116	
74	PD9961-59	4M		MON	4.3%	.451*	DTL	5Δ	8	0.0	8.0	50nΔ	60m	1.0	0	75	2	G0492	TO116	
75	PD9963-59	4M		MON	4.3%	.451*	DTL	3	8	0.0	8.0	50nΔ	90m	1.0	0	75	3	G0427g	TO116	
76	PL9937-59	4M		MON	4.3%	.451*	DTL	1	8	0.0	8.0	50nΔ	180m		0	75	6	G04310e	TO86	
77	PL9949-59	4M		MON	4.3%	.451*	DTL	2	8	0.0	8.0	50nΔ	120m	1.0	0	75	4	G0492g	TO86	
78	PL9961-59	4M		MON	4.3%	.451*	DTL	5Δ	8	0.0	8.0	50nΔ	60m	1.0	0	75	2	G0492	TO86	
79	PL9963-59	4M		MON	4.3%	.451*	DTL	3	8	0.0	8.0									

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL	LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN IN	OUT MAX.	POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME (s)		MAX. FALL TIME (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
						LEVEL	TYPE	TYPE			NEG. (V)	POS. (V)		r	f				LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=MO
	1	SNR514	4M		MON	.30*	2.5%	RCT	3	5	0.0	8.0	60n	70n	1.0u	8.0mΔ	200m	-55	125	1	G04193b	FP22	
	2	10A	4M	10k%	3DM	0.0	12.5Δ	RTL	5	1	6.0	24	8.0u	5.0n	5.0n	12m	750mΔ	-10	70	2	G04173	ZB38	
	3	10C	4M	10k%	3DM	0.0	12.5Δ	RTL	4	2	6.0	24	8.0u	6.5n	5.0n	30m	750mΔ	-10	70	2	G04173a	ZB38	
	4	10D	4M	10k%	3DM	0.0	12.5Δ	RTL	3	4	6.0	24	8.0u	6.5n	7.0n	50m	750mΔ	-10	70	2	G04173b	ZB38	
	5	10C	4M	10k%	3DM	0.0	12.5Δ	RTL	2	4	6.0	24	8.0u	6.5n	8.0n	60m	750mΔ	-10	70	4	G04174	ZB38	
	6	NC1011	4M	8.0M	MON	.82	.57	RTL	4	5†	2.7	3.3	13n	20n	28n	4.0m	256m	15	55	1	G04171	CN29	
	7	NC2010	4M	8.0M	MON	.82	.57	RTL	4	5†	2.7	3.3	13n	20n	28n	4.0m	256m	0	100	1	G04172	CN29	
	8	NC2011	4M	8.0M	MON	.82	.57	RTL	4	5†	2.7	3.3	13n	20n	28n	4.0m	256m	0	100	1	G04171	CN29	
	9	NC3010	4M	8.0M	MON	.82	.57	RTL	4	5†	2.7	3.3	13n	20n	28n	4.0m	256m	15	55	1	G04172	CN29	
	10	NC3011	4M	8.0M	MON	.82	.57	RTL	4	5†	2.7	3.3	13n	20n	28n	4.0m	256m	15	55	1	G04171	CN29	
	11	NC1010	4M	10M	MON	.82	.57	RTL	4	5†	2.7	3.3	13n	20n	28n	4.0m	256m	-55	125	1	G04172	CN40	
	12	1134D2	4M		MON	.83	.75	RTL	2	5†	0.0	5.0	40n			350m	-55	125	2		CN40		
	13	1134D3	4M		MON	.83	.75	RTL	3	5	0.0	5.0	40n			350m	-55	125	2		CN40		
	14	1134G	4M		MON	.83	.75	RTL	4	5	0.0	5.0	70n			350m	-55	125	1		CN40		
	15	2134D2	4M		MON	.83	.75	RTL	2	5	0.0	5.0	40n			350m	-55	125	2		FP20		
	16	2134D3	4M		MON	.83	.75	RTL	3	5	0.0	5.0	40n			350m	-55	125	2		FP20		
	17	2134G	4M		MON	.83	.75	RTL	4	5	0.0	5.0	70n			350m	-55	125	1		FP20		
	18	8050	4M	1.0M	PCB	.4.4	0.0	RTL	4	8	20	20	100n	50n	100n	1.8	1.4	0	55	8	G047	CB2	
	19	NE8471A	4M		MON		.35*†	TTL	3	0	6	60n	75n	45m	1.4	0	75	3	G04317f	TO116			
	20	NE8471J	4M		MON		.35*†	TTL	3	0	6	60n	75n	45m	1.4	0	75	3	G04317k	TO88			
	21	NE8481A	4M		MON		.35*†	TTL	2	0	6	60n	75n	60m	1.4	0	75	4	G04317d	TO116			
	22	NE8481J	4M		MON		.35*†	TTL	2	0	6	60n	75n	60m	1.4	0	75	4	G04317m	TO88			
	23	SE8471A	4M		MON		.35*†	TTL	3	0	6	60n	75n	45m	1.4	-55	125	3	G04317f	TO116			
	24	SE8471J	4M		MON		.35*†	TTL	3	0	6	60n	75n	45m	1.4	-55	125	3	G04317k	TO88			
	25	SE8481A	4M		MON		.35*†	TTL	2	0	6	60n	75n	60m	1.4	-55	125	4	G04317d	TO116			
	26	SE8481J	4M		MON		.35*†	TTL	2	0	6	60n	75n	60m	1.4	-55	125	4	G04317m	TO88			
	27#	T102D2-16	4M		MON	1.7%	.90*	TTL	2	10	0.0	5.0	12nΔ			44m†	400m	-55	125	4	G03250a	M200	
	28#	T104D2-16	4M		MON	1.7%	.90*	TTL	4	10	0.0	5.0	12nΔ			22m†	400m	-55	125	2	G03250	M200	
	29#	T107D2-16	4M		MON	1.7%	.90*	TTL	8	10	0.0	5.0	12nΔ			11m†	400m	-55	125	1	G03250c	M200	
	30	TG220F	4M		MON	1.7%	1.1*	TTL	2	15	0.0	7.0				88m†	1.0 Δ	-55	125	4	G043z	FP21c	
	31	TG220J	4M		MON	1.7%	1.1*	TTL	2	15	0.0	7.0				88m†	1.0 Δ	-55	125	4	G043z	TO116	
	32	TG221F	4M		MON	1.7%	1.1*	TTL	2	7	0.0	7.0				88m†	1.0 Δ	-55	125	4	G043z	FP21c	
	33	TG221J	4M		MON	1.7%	1.1*	TTL	2	7	0.0	7.0				88m†	1.0 Δ	-55	125	4	G043z	TO116	
	34	TG222F	4M		MON	1.7%	1.1*	TTL	2	15	0.0	7.0				88m†	1.0 Δ	0	75	4	G043z	FP21c	
	35	TG222J	4M		MON	1.7%	1.1*	TTL	2	15	0.0	7.0				88m†	1.0 Δ	0	75	4	G043z	TO116	
	36	TG223F	4M		MON	1.7%	1.1*	TTL	2	7	0.0	7.0				88m†	1.0 Δ	0	75	4	G043z	FP21c	
	37	TG223J	4M		MON	1.7%	1.1*	TTL	2	7	0.0	7.0				88m†	1.0 Δ	0	75	4	G043z	TO116	
	38	TG240F	4M		MON	1.7%	1.1*	TTL	4	15	0.0	7.0				44m†	1.0 Δ	-55	125	2	G043x	FP21c	
	39	TG240J	4M		MON	1.7%	1.1*	TTL	4	15	0.0	7.0				44m†	1.0 Δ	-55	125	2	G043x	FP21c	
	40	TG241F	4M		MON	1.7%	1.1*	TTL	4	7	0.0	7.0				44m†	1.0 Δ	-55	125	2	G043x	FP21c	
	41	TG241J	4M		MON	1.7%	1.1*	TTL	4	7	0.0	7.0				44m†	1.0 Δ	-55	125	2	G043x	FP21c	
	42	TG242F	4M		MON	1.7%	1.1*	TTL	4	15	0.0	7.0				44m†	1.0 Δ	0	75	2	G043x	FP21c	
	43	TG242J	4M		MON	1.7%	1.1*	TTL	4	15	0.0	7.0				44m†	1.0 Δ	0	75	2	G043x	FP21c	
	44	TG243F	4M		MON	1.7%	1.1*	TTL	4	7	0.0	7.0				44m†	1.0 Δ	0	75	2	G043x	FP21c	
	45	TG243J	4M		MON	1.7%	1.1*	TTL	4	7	0.0	7.0				44m†	1.0 Δ	0	75	2	G043x	FP21c	
	46	TG260F	4M		MON	1.7%	1.1*	TTL	8	15	0.0	7.0				22m†	1.0 Δ	-55	125	1	G043w	FP21c	
	47	TG260J	4M		MON	1.7%	1.1*	TTL	8	15	0.0	7.0				22m†	1.0 Δ	-55	125	1	G043w	TO116	
	48	TG261F	4M		MON	1.7%	1.1*	TTL	8	7	0.0	7.0				22m†	1.0 Δ	-55	125	1	G043w	FP21c	
	49	TG261J	4M		MON	1.7%	1.1*	TTL	8	7	0.0	7.0				22m†	1.0 Δ	-55	125	1	G043w	TO116	
	50	TG262F	4M		MON	1.7%	1.1*	TTL	8	15	0.0	7.0				22m†	1.0 Δ	0	75	1	G043w	FP21c	
	51	TG262J	4M		MON	1.7%	1.1*	TTL	8	15	0.0	7.0				22m†	1.0 Δ	0	75	1	G043w	TO116	
	52	TG263F	4M		MON	1.7%	1.1*	TTL	8	7	0.0	7.0				22m†	1.0 Δ	0	75	1	G043w	FP21c	
	53	TG263J	4M		MON	1.7%	1.1*	TTL	8	7	0.0	7.0				22m†	1.0 Δ	0	75	1	G043w	TO116	
	54	TNG3341F	4M		MON	1.7%	1.1*	TTL	3	15	0	7				66m†	1.0 Δ	-55	125	3	G043y	FP21c	
	55	TNG3341P	4M		MON	1.7%	1.1*	TTL	3	15	0	7				66m†	1.0 Δ	-55	125	3	G043y	TO116	
	56	TNG3342F	4M		MON	1.7%	1.1*	TTL	3	15	0	7				66m†	1.0 Δ	0	75	3	G043y	FP21c	
	57	TNG3342P	4M		MON	1.7%	1.1*	TTL	3	15	0	7				66m†	1.0 Δ	0	75	3	G043y	TO116	
	58	TNG3343F	4M		MON	1.7%	1.1*	TTL	3	7	0	7				66m†	1.0 Δ	-55	125	3	G043y	FP21c	
	59	TNG3343P	4M		MON	1.7%	1.1*	TTL	3	7	0	7				66m†	1.0 Δ	-55	125	3	G043y	TO116	
	60	TNG3344F	4M		MON	1.7%	1.1*	TTL	3	7	0	7				66m†	1.0 Δ	0	75	3	G043y	FP21c	
	61	TNG3344P	4M		MON	1.7%	1.1*	TTL	3	7	0	7				66m†	1.0 Δ	0	75	3	G043y	TO116	
	62#	MMG190#1	4M	20M	MON	1.7%	1.2*	TTL	3	15	0.0	5.0	10n			15m	1.0	-55	125	3	G04212e	FP18	
	63#	MMG190#2	4M	20M	MON	1.7%	1.2*	TTL	3	15	0.0	5.0	10n			15m	1.0	-55	125	3	G04212e	M75	
	64#	MMG191#1	4M	20M	MON	1.7%	1.2*	TTL	3	15	0.0	5.0	10n			15m	1.0	-55	125	3	G04212e	FP18	
	65#	MMG191#2	4M	20M	MON	1.7%	1.2*	TTL	3	15	0.0	5.0	10n			15m	1.0	-55	125	3	G04212e	M75	
	66#	MMG220#1	4M	40M	MON	1.7%	1.2*	TTL	2	11	0.0	5.0	6.0n			22m	1.0	-55	125	4	G04240b	FP18	
	67#	MMG220#2	4M	40M	MON	1.7%	1.2*	TTL	2	11	0.0	5.0	6.0n			22m	1.0	-55	125	4	G04240b	M75	
	68#	MMG221#1	4M	40M	MON	1.7%	1.2*	TTL	2	6	0.0	5.0	6.0n			22m	1.0	-55	125	4	G04240b	FP18	
	69#	MMG221#2	4M	40M	MON	1.7%	1.2*	TTL	2	6	0.0	5.0	6.0n			22m	1.0	-55	125	4	G04240b	M75	
	70#	MMG222#1	4M	40M	MON	1.7%	1.2*	TTL	2	9	0.0	5.0	6.0n			22m	1.0	-55	125	4	G04240b	FP18	
	71#	MMG222#2	4M	40M	MON	1.7%	1.2*	TTL	2	9	0.0	5.0	6.0n			22m	1.0	-55	125	4	G04240b	M75	
	72#	MMG223#1	4M	40M	MON	1.7%	1.2*	TTL	2	5	0.0	5.0	6.0n			22m	1.0	-55					

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL			FAN IN		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	RISE TIME tr (s)	FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V Δ)	TEMP.		CKT PER MOD	DRAWINGS		
					3	1	2	IN	OUT MAX.	NEG. (V)	POS. (V)						LOW	HI		LOGIC DWG. No	OUTLINE DWG. No Δ=Mo	
																						'1' (V)
1	SN7420W	4M		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			20m†	1.0 Δ	0	70	2	G0414b	TO84	
2	SN7430W	4M		MON	2.0%	.80*	TTL	8	10	0.0	5.0	22nΔ			10m†	1.0 Δ	0	70	1	G0414c	TO84	
3	SN7440S	4M		MON	2.0%	.80*	TTL	4	10	0.0	5.0	22nΔ			20m†	1.0 Δ	0	70	2	G0415	TO84	
4 #	T7408B1	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	27nΔ			270m‡	0	0	70	4	G04478	M126s	
5 #	T7409B1	4M		MON	2.0%	.80*	TTL	2	10	0.0	5.0	32nΔ			270m‡	0	0	70	4	G04478	M126s	
6	B01F	4M		MON	2.3	.50	TTL	8	12	0.0	5.0	10n			16m	300m	-55	125	1	G04150	TO84	
7	B02F	4M	10M	MON	2.3	.50	TTL	4	12	0	5	10n			33m	300m	-55	125	2	G04151	TO84	
8	TG40F	4M		MON	2.4%	.45††	TTL	4	15	0.0	7.0	12n			30m†	450mΔ	-55	125	1	G0478b	FP21c	
9	TG40J	4M		MON	2.4%	.45††	TTL	4	15	0.0	7.0	12n			30m†	450mΔ	-55	125	1	G0478b	TO116	
10	TG41F	4M		MON	2.4%	.45††	TTL	4	7	0.0	7.0	12n			30m†	450mΔ	-55	125	1	G0478b	FP21c	
11	TG41J	4M		MON	2.4%	.45††	TTL	4	7	0.0	7.0	12n			30m†	450mΔ	-55	125	1	G0478b	TO116	
12	TG42F	4M		MON	2.4%	.45††	TTL	4	15	0.0	7.0	12n			30m†	450mΔ	0	75	1	G0478b	FP21c	
13	TG42J	4M		MON	2.4%	.45††	TTL	4	15	0.0	7.0	12n			30m†	450mΔ	0	75	1	G0478b	TO116	
14	TG43F	4M		MON	2.4%	.45††	TTL	4	7	0.0	7.0	12n			30m†	450mΔ	0	75	2	G0478b	FP21c	
15	TG43J	4M		MON	2.4%	.45††	TTL	4	7	0.0	7.0	12n			30m†	450mΔ	0	75	2	G0478b	TO116	
16	TG60F	4M		MON	2.4%	.45††	TTL	8	15	0.0	7.0	12n			15m†	450mΔ	-55	125	1	G0478	FP21c	
17	TG60J	4M		MON	2.4%	.45††	TTL	8	15	0.0	7.0	12n			15m†	450mΔ	-55	125	1	G0478	TO116	
18	TG61F	4M		MON	2.4%	.45††	TTL	8	7	0.0	7.0	12n			15m†	450mΔ	-55	125	1	G0478	FP21c	
19	TG61J	4M		MON	2.4%	.45††	TTL	8	7	0.0	7.0	12n			15m†	450mΔ	-55	125	1	G0478	TO116	
20	TG62F	4M		MON	2.4%	.45††	TTL	8	15	0.0	7.0	12n			15m†	450mΔ	0	75	1	G0478	FP21c	
21	TG62J	4M		MON	2.4%	.45††	TTL	8	15	0.0	7.0	12n			15m†	450mΔ	0	75	1	G0478	TO116	
22	TG63F	4M		MON	2.4%	.45††	TTL	8	7	0.0	7.0	12n			15m†	450mΔ	0	75	1	G0478	FP21c	
23	TG63J	4M		MON	2.4%	.45††	TTL	8	7	0.0	7.0	12n			15m†	450mΔ	0	75	1	G0478	TO116	
24	TG120F	4M		MON	2.4%	.45††	TTL	8Δ	15	0.0	7.0	12n			15m†	450mΔ	-55	125	1	G0478a	FP21c	
25	TG120J	4M		MON	2.4%	.45††	TTL	8Δ	15	0.0	7.0	12n			15m†	450mΔ	-55	125	1	G0478a	TO116	
26	TG121F	4M		MON	2.4%	.45††	TTL	8Δ	7	0.0	7.0	12n			15m†	450mΔ	-55	125	1	G0478a	FP21c	
27	TG121J	4M		MON	2.4%	.45††	TTL	8Δ	7	0.0	7.0	12n			15m†	450mΔ	-55	125	1	G0478a	TO116	
28	TG122F	4M		MON	2.4%	.45††	TTL	8Δ	15	0.0	7.0	12n			15m†	450mΔ	0	75	1	G0478a	FP21c	
29	TG122J	4M		MON	2.4%	.45††	TTL	8Δ	15	0.0	7.0	12n			15m†	450mΔ	0	75	1	G0478a	TO116	
30	TG123F	4M		MON	2.4%	.45††	TTL	8Δ	7	0.0	7.0	12n			15m†	450mΔ	0	75	1	G0478a	FP21c	
31	TG123J	4M		MON	2.4%	.45††	TTL	8Δ	7	0.0	7.0	12n			15m†	450mΔ	0	75	1	G0478a	TO116	
32	TG140F	4M		MON	2.4%	.45††	TTL	2	15	0.0	7.0	12n			60m†	450mΔ	-55	125	4	G0478d	FP21c	
33	TG140J	4M		MON	2.4%	.45††	TTL	2	15	0.0	7.0	12n			60m†	450mΔ	-55	125	4	G0478d	TO116	
34	TG141F	4M		MON	2.4%	.45††	TTL	2	7	0.0	7.0	12n			60m†	450mΔ	-55	125	4	G0478d	FP21c	
35	TG141J	4M		MON	2.4%	.45††	TTL	2	7	0.0	7.0	12n			60m†	450mΔ	-55	125	4	G0478d	TO116	
36	TG142F	4M		MON	2.4%	.45††	TTL	2	15	0.0	7.0	12n			60m†	450mΔ	0	75	4	G0478d	FP21c	
37	TG142J	4M		MON	2.4%	.45††	TTL	2	15	0.0	7.0	12n			60m†	450mΔ	0	75	4	G0478d	TO116	
38	TG143F	4M		MON	2.4%	.45††	TTL	2	7	0.0	7.0	12n			60m†	450mΔ	0	75	4	G0478d	FP21c	
39	TG143J	4M		MON	2.4%	.45††	TTL	2	7	0.0	7.0	12n			60m†	450mΔ	0	75	4	G0478d	TO116	
40	TG190F	4M		MON	2.4%	.45††	TTL	3	15	0.0	7.0	12n			45m†	450mΔ	-55	125	3	G0478q	FP21c	
41	TG190J	4M		MON	2.4%	.45††	TTL	3	15	0.0	7.0	12n			45m†	450mΔ	-55	125	3	G0478q	TO116	
42	TG191F	4M		MON	2.4%	.45††	TTL	3	7	0.0	7.0	12n			45m†	450mΔ	-55	125	3	G0478q	FP21c	
43	TG191J	4M		MON	2.4%	.45††	TTL	3	7	0.0	7.0	12n			45m†	450mΔ	-55	125	3	G0478q	TO116	
44	TG192F	4M		MON	2.4%	.45††	TTL	3	15	0.0	7.0	12n			45m†	450mΔ	-55	125	3	G0478q	FP21c	
45	TG192J	4M		MON	2.4%	.45††	TTL	3	15	0.0	7.0	12n			45m†	450mΔ	-55	125	3	G0478q	TO116	
46	TG193F	4M		MON	2.4%	.45††	TTL	3	7	0.0	7.0	12n			45m†	450mΔ	0	75	3	G0478q	FP21c	
47	TG193J	4M		MON	2.4%	.45††	TTL	3	7	0.0	7.0	12n			45m†	450mΔ	0	75	3	G0478q	TO116	
48	TNG3311F	4M		MON	2.4%	.45††	TTL	3	15	0	7	12n			45m†	450mΔ	-55	125	3	G0478c	FP21c	
49	TNG3311F	4M		MON	2.4%	.45††	TTL	3	15	0	7	12n			45m†	450mΔ	-55	125	3	G0478c	TO116	
50	TNG3312F	4M		MON	2.4%	.45††	TTL	3	15	0	7	12n			45m†	450mΔ	0	75	3	G0478c	FP21c	
51	TNG3312F	4M		MON	2.4%	.45††	TTL	3	15	0	7	12n			45m†	450mΔ	0	75	3	G0478c	TO116	
52	TNG3313F	4M		MON	2.4%	.45††	TTL	3	7	0	7	12n			45m†	450mΔ	-55	125	3	G0478c	FP21c	
53	TNG3313F	4M		MON	2.4%	.45††	TTL	3	7	0	7	12n			45m†	450mΔ	-55	125	3	G0478c	TO116	
54	TNG3314F	4M		MON	2.4%	.45††	TTL	3	7	0	7	12n			45m†	450mΔ	0	75	3	G0478c	FP21c	
55	TNG3314F	4M		MON	2.4%	.45††	TTL	3	7	0	7	12n			45m†	450mΔ	0	75	3	G0478c	TO116	
56	TNG3481P	4M		MON	2.4%	.45††	TTL	4	15	0	7	12n			60m†	450mΔ	-55	125	4	G0478r	FP54	
57	TNG3482L	4M		MON	2.4%	.45††	TTL	4	15	0	7	12n			60m†	450mΔ	0	75	4	G0478r	FP54	
58	TNG3483L	4M		MON	2.4%	.45††	TTL	4	7	0	7	12n			60m†	450mΔ	-55	125	4	G0478r	FP54	
59	TNG3484L	4M		MON	2.4%	.45††	TTL	4	7	0	7	12n			60m†	450mΔ	0	75	4	G0478r	FP54	
60	NE8808A	4M		MON	2.8%	.40†*	TTL	8	7	0.0	6.0	25nΔ			50n	600mΔ	0	75	1	G04273	TO116	
61	NE8808J	4M		MON	2.8%	.40†*	TTL	8	7	0.0	6.0	25nΔ			50n	600mΔ	0	75	1	G04273a	TO88	
62	NE8816A	4M		MON	2.8%	.4†*	TTL	4	7	0	6	25nΔ			50n	53m	600mΔ	0	75	2	G04273a	TO116
63	NE8816J	4M		MON	2.8%	.4†*	TTL	4	7	0	6	25nΔ			50n	53m	600mΔ	0	75	2	G04273a	TO88
64	SE8808A	4M		MON	2.8%	.40†*	TTL	8	7	0.0	6.0	25nΔ			50n	26m	600mΔ	-55	125	1	G04273	TO116
65	SE8808J	4M		MON	2.8%	.40†*	TTL	8	7	0.0	6.0	25nΔ			50n	26m	600mΔ	-55	125	1	G04273	TO88
66	SE8816A	4M		MON	2.8%	.4†*	TTL	4	7	0	6	25nΔ			50n	53m	600mΔ	-55	125	2	G04273a	TO116
67	SE8816J	4M		MON	2.8%	.4†*	TTL	4	7	0	6	25nΔ			50n	53m	600mΔ	-55	125	2	G04273a	TO88
68	TG200F	4M		MON	2.8%	.45	TTL	9	15	0.0	5.0	10nΔ			20m	1.0	-55	125	1	G0478h	TO85	
69	TG200J	4M		MON	2.8%	.45	TTL	9	15	0.0	5.0	10nΔ			20m	1.0	-55	125	1	G0478h	TO116	
70	TG201F	4M		MON	2.8%	.45	TTL	9	15	0.0	5.0	10nΔ			20m	1.0	-55	125	1	G0478h	TO85	
71	TG201J	4M		MON	2.8%	.45	TTL	9	15	0.0	5.0	10nΔ			20m	1.0	-55	125	1	G0478h	TO116	
72	TG202F	4M		MON	2.8%	.45	TTL	9	7	0.0	5.0	10nΔ			20m	1.0	0	75	1	G0478h	TO85	
73	TG202J	4																				

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL			FAN OUT		POWER SUPPLY		PROPAGATION DELAY (s)	MAX. RISE TIME			TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)		TEMP. °C		CKT PER MOD	DRAWINGS	
					3	4	2	IN	OUT MAX.	NEG. (V)	POS. (V)		tr (s)	t _f (s)	LOW		HI	LOGIC DWG. No	OUTLINE DWG. No				
																				'1' (V)		'0' (V)	
1	6G120K	4M	20M	MON	3.3	.26	TTL	9Δ	15†	0	5	18n	5.0n	8.0n	15m	900m	-55	125	1	G04212h	T0116		
2	6G121G	4M	20M	MON	3.3	.26	TTL	9Δ	7†	0	5	18n	5.0n	8.0n	15m	900m	-55	125	1	G04212h	T084		
3	6G121K	4M	20M	MON	3.3	.26	TTL	9Δ	7†	0	5	18n	5.0n	8.0n	15m	900m	-55	125	1	G04212h	T0116		
4	6G122D	4M	20M	MON	3.3	.26	TTL	9Δ	12†	0	5	18n	5.0n	8.0n	15m	900m	0	75	1	G04212h	T0116		
5	6G122G	4M	20M	MON	3.3	.26	TTL	9Δ	12†	0	5	18n	5.0n	8.0n	15m	900m	0	75	1	G04212h	T084		
6	6G123D	4M	20M	MON	3.3	.26	TTL	9Δ	6†	0	5	18n	5.0n	8.0n	15m	900m	0	75	1	G04212h	T0116		
7	6G123G	4M	20M	MON	3.3	.26	TTL	9Δ	6†	0	5	18n	5.0n	8.0n	15m	900m	0	75	1	G04212h	T084		
8	6G130G	4M	20M	MON	3.3	.26	TTL	4	30†	0	5	25n	30n	30n	30m	900m	-55	125	2	G04191	T084		
9	6G130K	4M	20M	MON	3.3	.26	TTL	4	30†	0	5	25n	30n	30n	30m	900m	-55	125	2	G04191	T0116		
10	6G131G	4M	20M	MON	3.3	.26	TTL	4	15†	0	5	25n	30n	30n	30m	900m	-55	125	2	G04191	T084		
11	6G131K	4M	20M	MON	3.3	.26	TTL	4	15†	0	5	25n	30n	30n	30m	900m	-55	125	2	G04191	T0116		
12	6G132D	4M	20M	MON	3.3	.26	TTL	4	24†	0	5	25n	30n	30n	30m	900m	0	75	2	G04191	T0116		
13	6G132G	4M	20M	MON	3.3	.26	TTL	4	24†	0	5	25n	30n	30n	30m	900m	0	75	2	G04191	T084		
14	6G133D	4M	20M	MON	3.3	.26	TTL	4	12†	0	5	25n	30n	30n	30m	900m	0	75	2	G04191	T0116		
15	6G133G	4M	20M	MON	3.3	.26	TTL	4	12†	0	5	25n	30n	30n	30m	900m	0	75	2	G04191	T084		
16	6G140G	4M	20M	MON	3.3	.26	TTL	2	15†	0	5	10n	5.0n	8.0n	15m	900m	-55	125	4	G04212f	T084		
17	6G140K	4M	20M	MON	3.3	.26	TTL	2	15†	0	5	10n	5.0n	8.0n	15m	900m	-55	125	4	G04212f	T0116		
18	6G141G	4M	20M	MON	3.3	.26	TTL	2	7†	0	5	10n	5.0n	8.0n	15m	900m	-55	125	4	G04212f	T084		
19	6G141K	4M	20M	MON	3.3	.26	TTL	2	7†	0	5	10n	5.0n	8.0n	15m	900m	-55	125	4	G04212f	T0116		
20	6G142D	4M	20M	MON	3.3	.26	TTL	2	12†	0	5	10n	5.0n	8.0n	15m	900m	0	75	4	G04212f	T0116		
21	6G142G	4M	20M	MON	3.3	.26	TTL	2	12†	0	5	10n	5.0n	8.0n	15m	900m	0	75	4	G04212f	T084		
22	6G143D	4M	20M	MON	3.3	.26	TTL	2	6†	0	5	10n	5.0n	8.0n	15m	900m	0	75	4	G04212f	T0116		
23	6G143G	4M	20M	MON	3.3	.26	TTL	2	6†	0	5	10n	5.0n	8.0n	15m	900m	0	75	4	G04212f	T084		
24	6G190G	4M	20M	MON	3.3	.26	TTL	3	15†	0	5	10n	5.0n	8.0n	45m	900m	-55	125	3	G04212e	T084		
25	6G190K	4M	20M	MON	3.3	.26	TTL	3	15†	0	5	10n	5.0n	8.0n	45m	900m	-55	125	3	G04212e	T0116		
26	6G191G	4M	20M	MON	3.3	.26	TTL	3	7†	0	5	10n	5.0n	8.0n	45m	900m	-55	125	3	G04212e	T084		
27	6G191K	4M	20M	MON	3.3	.26	TTL	3	7†	0	5	10n	5.0n	8.0n	45m	900m	-55	125	3	G04212e	T0116		
28	6G192D	4M	20M	MON	3.3	.26	TTL	3	12†	0	5	10n	5.0n	8.0n	45m	900m	0	75	3	G04212e	T0116		
29	6G192G	4M	20M	MON	3.3	.26	TTL	3	12†	0	5	10n	5.0n	8.0n	45m	900m	0	75	3	G04212e	T084		
30	6G193D	4M	20M	MON	3.3	.26	TTL	3	6†	0	5	10n	5.0n	8.0n	45m	900m	0	75	3	G04212e	T0116		
31	6G193G	4M	20M	MON	3.3	.26	TTL	3	6†	0	5	10n	5.0n	8.0n	45m	900m	0	75	3	G04212e	T084		
32#	MMG40#1	4M	20M	MON	3.3	.26	TTL	4	15	0.0	5.0	10n	5.0n	8.0n	15m	900m	-55	125	2	G0471	FP18		
33#	MMG40#2	4M	20M	MON	3.3	.26	TTL	4	15	0.0	5.0	10n	5.0n	8.0n	15m	900m	-55	125	2	G0471	M75		
34#	MMG41#1	4M	20M	MON	3.3	.26	TTL	4	7	0.0	5.0	10n	5.0n	8.0n	15m	900m	-55	125	2	G0471	FP18		
35#	MMG41#2	4M	20M	MON	3.3	.26	TTL	4	7	0.0	5.0	10n	5.0n	8.0n	15m	900m	-55	125	2	G0471	M75		
36#	MMG60#1	4M	20M	MON	3.3	.26	TTL	8	15	0.0	5.0	12n	5.0n	8.0n	15m	900m	-55	125	1	G04212c	FP18		
37#	MMG60#2	4M	20M	MON	3.3	.26	TTL	8	15	0.0	5.0	12n	5.0n	8.0n	15m	900m	-55	125	1	G04212c	M75		
38#	MMG61#1	4M	20M	MON	3.3	.26	TTL	8	7	0.0	5.0	12n	5.0n	8.0n	15m	900m	-55	125	1	G04212c	FP18		
39#	MMG61#2	4M	20M	MON	3.3	.26	TTL	8	7	0.0	5.0	12n	5.0n	8.0n	15m	900m	-55	125	1	G04212c	M75		
40#	MMG120#1	4M	20M	MON	3.3	.26	TTL	4	30	0.0	5.0	18n	5.0n	8.0n	15m	900m	-55	125	1	G04212a	FP18		
41#	MMG120#2	4M	20M	MON	3.3	.26	TTL	4	30	0.0	5.0	18n	5.0n	8.0n	15m	900m	-55	125	1	G04212a	M75		
42#	MMG121#1	4M	20M	MON	3.3	.26	TTL	9	7	0.0	5.0	18n	5.0n	8.0n	15m	900m	-55	125	1	G04212a	FP18		
43#	MMG121#2	4M	20M	MON	3.3	.26	TTL	9	7	0.0	5.0	18n	5.0n	8.0n	15m	900m	-55	125	1	G04212a	M75		
44#	MMG130#1	4M	20M	MON	3.3	.26	TTL	4	30	0.0	5.0	25n	30n	30n	30m	900m	-55	125	2	G04191	FP18		
45#	MMG130#2	4M	20M	MON	3.3	.26	TTL	4	30	0.0	5.0	25n	30n	30n	30m	900m	-55	125	2	G04191	M75		
46#	MMG131#1	4M	20M	MON	3.3	.26	TTL	4	15	0.0	5.0	25n	30n	30n	30m	900m	-55	125	2	G04191	FP18		
47#	MMG131#2	4M	20M	MON	3.3	.26	TTL	4	15	0.0	5.0	25n	30n	30n	30m	900m	-55	125	2	G04191	M75		
48	SG40	4M	20M	MON	3.3	.26	TTL	4	15†	0	5	10n	5.0n	8.0n	15m	900m	-55	125	2	G0471	ZB100		
49	SG41	4M	20M	MON	3.3	.26	TTL	4	7†	0	5	10n	5.0n	8.0n	15m	900m	-55	125	2	G0471	ZB100		
50	SG42	4M	20M	MON	3.3	.26	TTL	4	12†	0	5	10n	5.0n	8.0n	15m	900m	0	75	2	G0471	ZB100		
51	SG43	4M	20M	MON	3.3	.26	TTL	4	6†	0	5	10n	5.0n	8.0n	15m	900m	0	75	2	G0471	ZB100		
52	SG60	4M	20M	MON	3.3	.26	TTL	8	15†	0	5	12n	5.0n	8.0n	15m	900m	-55	125	1	G04212g	ZB100		
53	SG61	4M	20M	MON	3.3	.26	TTL	8	7†	0	5	12n	5.0n	8.0n	15m	900m	-55	125	1	G04212g	ZB100		
54	SG62	4M	20M	MON	3.3	.26	TTL	8	12†	0	5	12n	5.0n	8.0n	15m	900m	0	75	1	G04212g	ZB100		
55	SG63	4M	20M	MON	3.3	.26	TTL	8	6†	0	5	12n	5.0n	8.0n	15m	900m	0	75	1	G04212g	ZB100		
56	SG120	4M	20M	MON	3.3	.26	TTL	9Δ	15†	0	5	18n	5.0n	8.0n	15m	900m	-55	125	1	G04212h	ZB100		
57	SG121	4M	20M	MON	3.3	.26	TTL	9Δ	7†	0	5	18n	5.0n	8.0n	15m	900m	-55	125	1	G04212h	ZB100		
58	SG122	4M	20M	MON	3.3	.26	TTL	9Δ	12†	0	5	18n	5.0n	8.0n	15m	900m	0	75	1	G04212h	ZB100		
59	SG123	4M	20M	MON	3.3	.26	TTL	9Δ	6†	0	5	18n	5.0n	8.0n	15m	900m	0	75	1	G04212h	ZB100		
60	SG130	4M	20M	MON	3.3	.26	TTL	4	30†	0	5	25n	30n	30n	30m	900m	-55	125	2	G04191	ZB100		
61	SG131	4M	20M	MON	3.3	.26	TTL	4	15†	0	5	25n	30n	30n	30m	900m	-55	125	2	G04191	ZB100		
62	SG132	4M	20M	MON	3.3	.26	TTL	4	24†	0	5	25n	30n	30n	30m	900m	0	75	2	G04191	ZB100		
63	SG133	4M	20M	MON	3.3	.26	TTL	4	12†	0	5	25n	30n	30n	30m	900m	0	75	2	G04191	ZB100		
64	SG140	4M	20M	MON	3.3	.26	TTL	2	15†	0	5	10n	5.0n	8.0n	15m	900m	-55	125	4	G04212f	ZB100		
65	SG141	4M	20M	MON	3.3	.26	TTL	2	7†	0	5	10n	5.0n	8.0n	15m	900m	-55	125	4	G04212f	ZB100		
66	SG142	4M	20M	MON	3.3	.26	TTL	2	12†	0	5	10n	5.0n	8.0n	15m	900m	0	75	4	G04212f	ZB100		
67	SG143	4M	20M	MON	3.3	.26	TTL	2	6†	0	5	10n	5.0n	8.0n	15m	900m	0	75	4	G04212f	ZB100		
68	SG190	4M	20M	MON	3.3	.26	TTL	3	15†	0	5	10n	5.0n	8.0n	45m	900m	-55	125	3	G04212e	ZB100		
69																							

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PRO-CESSE	LOGIC			FAN IN	OUT MAX.	POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME		MAX. FALL TIME		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)		TEMP.		CKT PER MOD	DRAWINGS	
					LEVEL	TYPE	NEG. (V)			POS. (V)	tr (s)		tf (s)	LOW °C	HI °C	LOGIC DWG. No		OUTLINE DWG. No Δ=MO						
																			'1' (V)	'0' (V)				
1	SNG143W	4M	20M	MON	3.3	.26	TTL	2	61	0.0	5.0	10n	5.0n	8.0n	15m	900m	0	75	4	G04212f	Δ004AF			
2	SNG190J	4M	20M	MON	3.3	.26	TTL	3	151	0.0	5.0	10n	5.0n	8.0n	45m	900m	-55	125	3	G04212e	M157b			
3	SNG190W	4M	20M	MON	3.3	.26	TTL	3	151	0.0	5.0	10n	5.0n	8.0n	45m	900m	-55	125	3	G04212e	Δ004AF			
4	SNG191J	4M	20M	MON	3.3	.26	TTL	3	71	0.0	5.0	10n	5.0n	8.0n	45m	900m	-55	125	3	G04212e	M157b			
5	SNG191W	4M	20M	MON	3.3	.26	TTL	3	71	0.0	5.0	10n	5.0n	8.0n	45m	900m	-55	125	3	G04212e	Δ004AF			
6	SNG192J	4M	20M	MON	3.3	.26	TTL	3	121	0.0	5.0	10n	5.0n	8.0n	45m	900m	0	75	3	G04212e	M157b			
7	SNG192W	4M	20M	MON	3.3	.26	TTL	3	121	0.0	5.0	10n	5.0n	8.0n	45m	900m	0	75	3	G04212e	Δ004AF			
8	SNG193J	4M	20M	MON	3.3	.26	TTL	3	61	0.0	5.0	10n	5.0n	8.0n	45m	900m	0	75	3	G04212e	M157b			
9	SNG193W	4M	20M	MON	3.3	.26	TTL	3	61	0.0	5.0	10n	5.0n	8.0n	45m	900m	0	75	3	G04212e	Δ004AF			
10	TRWG40#1	4M	20M	MON	3.3	.26	TTL	4	151	0.0	5.0	10n	5.0n	8.0n	15m	900m	-55	125	2	G0471	M157			
11	TRWG40#2	4M	20M	MON	3.3	.26	TTL	4	151	0.0	5.0	10n	5.0n	8.0n	15m	900m	-55	125	2	G0471	M126			
12	TRWG60#1	4M	20M	MON	3.3	.26	TTL	8	151	0.0	5.0	10n	5.0n	8.0n	15m	900m	-55	125	1	G04212g	M157			
13	TRWG60#2	4M	20M	MON	3.3	.26	TTL	8	151	0.0	5.0	12n	5.0n	8.0n	15m	900m	-55	125	1	G04212g	M126			
14	TRWG120#1	4M	20M	MON	3.3	.26	TTL	9	151	0.0	5.0	18n	5.0n	8.0n	15m	900m	-55	125	1	G04212h	M157			
15	TRWG120#2	4M	20M	MON	3.3	.26	TTL	9	151	0.0	5.0	18n	5.0n	8.0n	15m	900m	-55	125	1	G04212h	M126			
16	TRWG130#1	4M	20M	MON	3.3	.26	TTL	4	301	0.0	5.0	25n	30n	30n	30m	900m	-55	125	2	G04191	M157			
17	TRWG130#2	4M	20M	MON	3.3	.26	TTL	4	301	0.0	5.0	25n	30n	30n	30m	900m	-55	125	2	G04191	M126			
18	TRWG140#1	4M	20M	MON	3.3	.26	TTL	2	151	0.0	5.0	10n	5.0n	8.0n	15m	900m	-55	125	4	G04212f	M157			
19	TRWG140#2	4M	20M	MON	3.3	.26	TTL	2	151	0.0	5.0	10n	5.0n	8.0n	15m	900m	-55	125	4	G04212f	M126			
20	TRWG190#1	4M	20M	MON	3.3	.26	TTL	3	151	0.0	5.0	10n	5.0n	8.0n	45m	900m	-55	125	3	G04212e	M157			
21	TRWG190#2	4M	20M	MON	3.3	.26	TTL	3	151	0.0	5.0	10n	5.0n	8.0n	45m	900m	-55	125	3	G04212e	M126			
22	RG132P	4M	20	MON	3.4	.20	TTL	4	24	0.0	5.0	15n			60m	1.1	0	75	2		M105k			
23	RG133P	4M	20	MON	3.4	.20	TTL	4	12	0.0	5.0	15n			60m	1.1	0	75	2		M105k			
24	RG7510P	4M	20	MON	3.4	.20	TTL	2	30	0.0	5.0	15n			120m	1.1	-55	125	4		M105k			
25	RG7511P	4M	20	MON	3.4	.20	TTL	2	15	0.0	5.0	15n			120m	1.1	-55	125	4		M105k			
26	RG7512P	4M	20	MON	3.4	.20	TTL	2	24	0.0	5.0	15n			120m	1.1	0	75	4		M105k			
27	RG7513P	4M	20	MON	3.4	.20	TTL	2	12	0.0	5.0	15n			120m	1.1	0	75	4		M105k			
28	PD9620-61	4M		MON	3.5	.25	TTL	4	11	0	5	6.0n	2.5n	4.0n	40m	1.0	-55	125	2	G04240	TO116			
29	PD9620-69	4M		MON	3.5	.25	TTL	4	9	0	5	6.0n	2.5n	4.0n	40m	1.0	0	75	2	G04240	TO116			
30	PD9620-71	4M		MON	3.5	.25	TTL	4	6	0	5	6.0n	2.5n	4.0n	40m	1.0	-55	125	2	G04240	TO116			
31	PD9620-79	4M		MON	3.5	.25	TTL	4	5	0	5	6.0n	2.5n	4.0n	40m	1.0	0	75	2	G04240	TO116			
32	PD9621-61	4M		MON	3.5	.25	TTL	2	11	0	5	6.0n	2.5n	4.0n	80m	1.0	-55	125	4	G04240b	TO116			
33	PD9621-69	4M		MON	3.5	.25	TTL	2	9	0	5	6.0n	2.5n	4.0n	80m	1.0	0	75	4	G04240b	TO116			
34	PD9621-71	4M		MON	3.5	.25	TTL	2	6	0	5	6.0n	2.5n	4.0n	80m	1.0	-55	125	4	G04240b	TO116			
35	PD9621-79	4M		MON	3.5	.25	TTL	2	5	0	5	6.0n	2.5n	4.0n	80m	1.0	0	75	4	G04240b	TO116			
36	PD9622-61	4M		MON	3.5	.25	TTL	3	11	0	5	6.0n	2.5n	4.0n	60m	1.0	-55	125	3	G04240e	TO116			
37	PD9622-69	4M		MON	3.5	.25	TTL	3	9	0	5	6.0n	2.5n	4.0n	60m	1.0	0	75	3	G04240e	TO116			
38	PD9622-71	4M		MON	3.5	.25	TTL	3	6	0	5	6.0n	2.5n	4.0n	60m	1.0	-55	125	3	G04240e	TO116			
39	PD9622-79	4M		MON	3.5	.25	TTL	3	5	0	5	6.0n	2.5n	4.0n	60m	1.0	0	75	3	G04240e	TO116			
40	PD9625-61	4M		MON	3.5	.25	TTL	8	11	0	5	6.0n	3.0n	4.0n	20m	1.0	-55	125	1	G04240d	TO116			
41	PD9625-69	4M		MON	3.5	.25	TTL	8	9	0	5	6.0n	3.0n	4.0n	20m	1.0	0	75	1	G04240d	TO116			
42	PD9625-71	4M		MON	3.5	.25	TTL	8	6	0	5	6.0n	3.0n	4.0n	20m	1.0	-55	125	1	G04240d	TO116			
43	PD9625-79	4M		MON	3.5	.25	TTL	8	5	0	5	6.0n	3.0n	4.0n	20m	1.0	0	75	1	G04240d	TO116			
44	PL9620-61	4M		MON	3.5	.25	TTL	4	11	0	5	6.0n	2.5n	4.0n	40m	1.0	-55	125	2	G04240	TO86			
45	PL9620-69	4M		MON	3.5	.25	TTL	4	9	0	5	6.0n	2.5n	4.0n	40m	1.0	0	75	2	G04240	TO86			
46	PL9620-71	4M		MON	3.5	.25	TTL	4	6	0	5	6.0n	2.5n	4.0n	40m	1.0	-55	125	2	G04240	TO86			
47	PL9620-79	4M		MON	3.5	.25	TTL	4	5	0	5	6.0n	2.5n	4.0n	40m	1.0	0	75	2	G04240	TO86			
48	PL9621-61	4M		MON	3.5	.25	TTL	2	11	0	5	6.0n	2.5n	4.0n	80m	1.0	-55	125	4	G04240b	TO86			
49	PL9621-69	4M		MON	3.5	.25	TTL	2	9	0	5	6.0n	2.5n	4.0n	80m	1.0	0	75	4	G04240b	TO86			
50	PL9621-71	4M		MON	3.5	.25	TTL	2	6	0	5	6.0n	2.5n	4.0n	80m	1.0	-55	125	4	G04240b	TO86			
51	PL9621-79	4M		MON	3.5	.25	TTL	2	5	0	5	6.0n	2.5n	4.0n	80m	1.0	0	75	4	G04240b	TO86			
52	PL9622-61	4M		MON	3.5	.25	TTL	3	11	0	5	6.0n	2.5n	4.0n	60m	1.0	-55	125	3	G04240e	TO86			
53	PL9622-69	4M		MON	3.5	.25	TTL	3	9	0	5	6.0n	2.5n	4.0n	60m	1.0	0	75	3	G04240e	TO86			
54	PL9622-71	4M		MON	3.5	.25	TTL	3	6	0	5	6.0n	2.5n	4.0n	60m	1.0	-55	125	3	G04240e	TO86			
55	PL9622-79	4M		MON	3.5	.25	TTL	3	5	0	5	6.0n	2.5n	4.0n	60m	1.0	0	75	3	G04240e	TO86			
56	PL9625-61	4M		MON	3.5	.25	TTL	8	11	0	5	6.0n	3.0n	4.0n	20m	1.0	-55	125	1	G04240d	TO86			
57	PL9625-69	4M		MON	3.5	.25	TTL	8	9	0	5	6.0n	3.0n	4.0n	20m	1.0	0	75	1	G04240d	TO86			
58	PL9625-71	4M		MON	3.5	.25	TTL	8	6	0	5	6.0n	3.0n	4.0n	20m	1.0	-55	125	1	G04240d	TO86			
59	PL9625-79	4M		MON	3.5	.25	TTL	8	5	0	5	6.0n	3.0n	4.0n	20m	1.0	0	75	1	G04240d	TO86			
60	SG220	4M		MON	3.5	.25	TTL	2	11	0	5	6.0n	2.5n	4.0n	88m	1.0	-55	125	4	G04240b	ZB100			
61	SG221	4M		MON	3.5	.25	TTL	2	6	0	5	6.0n	2.5n	4.0n	88m	1.0	0	75	4	G04240b	ZB100			
62	SG222	4M		MON	3.5	.25	TTL	2	9	0	5	6.0n	2.5n	4.0n	88m	1.0	0	75	4	G04240b	ZB100			
63	SG223	4M		MON	3.5	.25	TTL	2	5	0	5	6.0n	2.5n	4.0n	88m	1.0	0	75	4	G04240b	ZB100			
64	SG240	4M		MON	3.5	.25	TTL	4	11	0	5	6.0n	2.5n	4.0n	44m	1.0	-55	125	2	G04240	ZB100			
65	SG241	4M		MON	3.5	.25	TTL	4	6	0	5	6.0n	2.5n	4.0n	44m	1.0	-55	125	2	G04240	ZB100			
66	SG242	4M		MON	3.5	.25	TTL	4	9	0	5	6.0n	2.5n	4.0n	44m	1.0	0	75	2	G04240	ZB100			
67	SG243	4M		MON	3.5	.25	TTL	4	5	0	5	6.0n	2.5n	4.0n	44m	1.0	0	75	2	G04240	ZB100			
68	SG260	4M		MON	3.5	.25	TTL	8	11	0	5	6.0n	3.0n	4.0n	22m	1.0	-55	125	1	G04240a	ZB100			
69	SG261	4M		MON	3.5	.25	TTL	8	6	0	5	6.0n	3.0n	4.0n	22m	1.0	-55	125	1	G04240a	ZB100			
70	SG262	4M		MON	3.5																			

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	TYPE No.	TYPE OF GATE	MAX OPER. FREQ. (Hz)	PROCESS	LOGIC			FAN IN	OUT MAX.	POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					LEVEL	TYPE	TYPE			NEG. (V)	POS. (V)		tr (s)	tf (s)			LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=MO
1	PD9634-69	4M		MON	3.5	.26	TTL	9Δ	9	0	5	11n	3.0n	4.5n	20m	1.0	0	75	1	G04240c	TO116
2	PD9634-71	4M		MON	3.5	.26	TTL	9Δ	6	0	5	11n	3.0n	4.5n	20m	1.0	-55	125	1	G04240c	TO116
3	PD9634-79	4M		MON	3.5	.26	TTL	9Δ	5	0	5	11n	3.0n	4.5n	20m	1.0	0	75	1	G04240c	TO116
4	PL9634-61	4M		MON	3.5	.26	TTL	9Δ	11	0	5	11n	3.0n	4.5n	20m	1.0	-55	125	1	G04240c	TO86
5	PL9634-69	4M		MON	3.5	.26	TTL	9Δ	9	0	5	11n	3.0n	4.5n	20m	1.0	0	75	1	G04240c	TO86
6	PL9634-71	4M		MON	3.5	.26	TTL	9Δ	6	0	5	11n	3.0n	4.5n	20m	1.0	-55	125	1	G04240c	TO86
7	PL9634-79	4M		MON	3.5	.26	TTL	9Δ	5	0	5	11n	3.0n	4.5n	20m	1.0	0	75	1	G04240c	TO86
8	SG200	4M		MON	3.5	.26	TTL	9Δ		0	5	11n	3.0n	4.5n	22m	1.0	-55	125	1	G04240c	ZB100
9	SG201	4M		MON	3.5	.26	TTL	9Δ		0	5	11n	3.0n	4.5n	22m	1.0	-55	125	1	G04240c	ZB100
10	SG202	4M		MON	3.5	.26	TTL	9Δ		0	5	11n	3.0n	4.5n	22m	1.0	0	75	1	G04240c	ZB100
11	SG203	4M		MON	3.5	.26	TTL	9Δ		0	5	11n	3.0n	4.5n	22m	1.0	0	75	1	G04240c	ZB100
12	SNG200J	4M		MON	3.5	.26	TTL	9Δ		0.0	5.0	11n	3.0n	4.5n	22m	1.0	-55	125	1	G04240c	M157b
13	SNG200W	4M		MON	3.5	.26	TTL	9Δ		0.0	5.0	11n	3.0n	4.5n	22m	1.0	-55	125	1	G04240c	Δ004AF
14	SNG201J	4M		MON	3.5	.26	TTL	9Δ		0.0	5.0	11n	3.0n	4.5n	22m	1.0	-55	125	1	G04240c	M157b
15	SNG201W	4M		MON	3.5	.26	TTL	9Δ		0.0	5.0	11n	3.0n	4.5n	22m	1.0	-55	125	1	G04240c	Δ004AF
16	SNG202J	4M		MON	3.5	.26	TTL	9Δ		0.0	5.0	11n	3.0n	4.5n	22m	1.0	0	75	1	G04240c	M157b
17	SNG202W	4M		MON	3.5	.26	TTL	9Δ		0.0	5.0	11n	3.0n	4.5n	22m	1.0	0	75	1	G04240c	Δ004AF
18	SNG203J	4M		MON	3.5	.26	TTL	9Δ		0.0	5.0	11n	3.0n	4.5n	22m	1.0	0	75	1	G04240c	M157b
19	SNG203W	4M		MON	3.5	.26	TTL	9Δ		0.0	5.0	11n	3.0n	4.5n	22m	1.0	0	75	1	G04240c	Δ004AF
20	SWG40	4M	20M%	MON	3.5	.26	TTL	4	15	0.0	6.0	12n	5.0n	8.0n	15mΔ	1.0	-55	125	2	G04210	CN3a
21	SWG41	4M	20M%	MON	3.5	.26	TTL	4	7	0.0	6.0	12n	5.0n	8.0n	15mΔ	1.0	-55	125	2	G04210	CN3a
22	SWG42	4M	20M%	MON	3.5	.26	TTL	4	12	0.0	6.0	12n	5.0n	8.0n	15mΔ	1.0	0	75	2	G04210	CN3a
23	SWG43	4M	20M%	MON	3.5	.26	TTL	4	6	0.0	6.0	12n	5.0n	8.0n	15mΔ	1.0	0	75	2	G04210	CN3a
24	SWG60	4M	20M%	MON	3.5	.26	TTL	8	15	0.0	6.0	15n	5.0n	8.0n	15m	1.0	-55	125	1	G04211	CN3a
25	SWG61	4M	20M%	MON	3.5	.26	TTL	8	7	0.0	6.0	15n	5.0n	8.0n	15m	1.0	-55	125	1	G04211	CN3a
26	SWG62	4M	20M%	MON	3.5	.26	TTL	8	12	0.0	6.0	15n	5.0n	8.0n	15m	1.0	0	75	1	G04211	CN3a
27	SWG63	4M	20M%	MON	3.5	.26	TTL	8	6	0.0	6.0	15n	5.0n	8.0n	15m	1.0	0	75	1	G04211	CN3a
28	SWG120	4M	20M%	MON	3.5	.26	TTL	9Δ	15	0.0	6.0	15n	5.0n	8.0n	15m	1.0	-55	125	1	G04212	CN3a
29	SWG121	4M	20M%	MON	3.5	.26	TTL	9Δ	7	0.0	6.0	15n	5.0n	8.0n	15m	1.0	-55	125	1	G04212	CN3a
30	SWG122	4M	20M%	MON	3.5	.26	TTL	9Δ	12	0.0	6.0	15n	5.0n	8.0n	15m	1.0	0	75	1	G04212	CN3a
31	SWG123	4M	20M%	MON	3.5	.26	TTL	9Δ	6	0.0	6.0	15n	5.0n	8.0n	15m	1.0	0	75	1	G04212	CN3a
32	SWG140	4M	20M%	MON	3.5	.26	TTL	2	15	0.0	6.0	12n	5.0n	8.0n	15mΔ	1.0	-55	125	4	G04213a	CN3a
33	SWG141	4M	20M%	MON	3.5	.26	TTL	2	7	0.0	6.0	12n	5.0n	8.0n	15mΔ	1.0	-55	125	4	G04213a	CN3a
34	SWG142	4M	20M%	MON	3.5	.26	TTL	2	12	0.0	6.0	12n	5.0n	8.0n	15mΔ	1.0	0	75	4	G04213a	CN3a
35	SWG143	4M	20M%	MON	3.5	.26	TTL	2	6	0.0	6.0	12n	5.0n	8.0n	15mΔ	1.0	0	75	4	G04213a	CN3a
36	NE8470A	4M		MON	3.6%	.35*	TTL	3		0	6	60n		75n	45m	1.4	0	75	3	G04260a	TO116
37	NE8470J	4M		MON	3.6%	.35*	TTL	3		0	6	60n		75n	45m	1.4	0	75	3	G04260a	TO88
38	NE8480A	4M		MON	3.6%	.35*	TTL	2		0	6	60n		75n	60m	1.4	0	75	4	G04260	TO116
39	NE8480J	4M		MON	3.6%	.35*	TTL	2		0	6	60n		75n	60m	1.4	0	75	4	G04260	TO88
40	SE8470A	4M		MON	3.6%	.35*	TTL	3		0	6	60n		75n	45m	1.4	-55	125	3	G04260a	TO116
41	SE8470J	4M		MON	3.6%	.35*	TTL	3		0	6	60n		75n	45m	1.4	-55	125	3	G04260a	TO88
42	SE8480A	4M		MON	3.6%	.35*	TTL	2		0	6	60n		75n	60m	1.4	-55	125	4	G04260	TO116
43	SE8480J	4M		MON	3.6%	.35*	TTL	2		0	6	60n		75n	60m	1.4	-55	125	4	G04260	TO88
44	SN7311N	4M		MON	4.0*	.40*	TTL	5	10	0.0	4.0	25n	45n	40n			0	70	2	G04200	M7
45	SN7331N	4M		MON	4.0*	.40*	TTL	3	10	0.0	4.0	25n	45n	40n			0	70	3	G04200	M7
46	MC650G	4M		MON	9.7%	.75*	VTL	41	5	10	10	50n			165m	3.7	0	75	2	G04239a	CN42
47	MC651F	4M		MON	9.7%	.75*	VTL	51	5	10	10	50n			165m	3.7	0	75	2	G04239a	TO86
48	UC1003B	4M,G		TFH	6.0	0.0	DTL	4Δ	15	8	15	14n	45n†	11n†	55m		-55	125	1	G0447a	M55
49	SN1502	4ME	10M	MON	2.5	.40†	DTL	5Δ	25	0.0	5.5	25n			10m	750m	-55	125	2	G04218	TO84
50	RM6180G	4MG		MON	1.0*	2.0%	DTL	2	16	0.0	10				44m	550m	-55	125	2	G0428p	TO84
51	MC66Z	4MS	1.0M	PCB	-6.2	0.0	DTL	4	22	18	18	20n			3.1	2.5 *	0	55	6	G0428p	CB25
52	8204,A-G	4S		TFH	3.5	.50	DTL	9†	7	3	6	10n	20n	10n	120m		-55	100	1	G04204	M7
53	MS63	4S	1.0M	PCB	6.2	0.0	DTL	3	1	18	18	20n	100n	100n	1.8	2.5 *	-30	100	1		CB25
54	MS66	4S	1.0M	PCB	6.2	0.0	DTL	4	2	18	18	20n	100n	100n	3.1	2.5 *	-30	100	6		CB25
55	462A	4S	300k	PCB	-6.8	0.0	DTL	2	1	12	12				460m		0	55	2		CB24
56	PL9986	4S		MON	.85%	.42†	DTL	3	15	0	3	85nΔ			2.3m†		-55	125	2	G04348	TO86
57	G55	5	5.0M	PCB	5.0	.30*	TTL	4†		0	5	25n					0	70	0		
58	MC14507L	5		MOS	9.9%	.01*†		2	50	0.0	10	50n	200n	200n	1.0u*		-55	125	4	G05110	M157a
59	T639	5	100k		-3.0	0.0		6	5	3.0	3.0						-45	65			
60	T640	5	5.0M		-3.0	0.0		10	1	3.0	3.0						-45	65			
61	UL51L#2	5		MOS	-3.5%	.9.0*		3		2.7	0.0				60m†		0	70	2	G05111	M183a
62	JANM38510/05303CCC	5		MOS	3.95%	.85	CMS	2	0	0.0	5.0	270nΔ			200m		-55	125	4	G05117	M314
63	SW4030A	5		MOS	5.0	3.0*	CMS	2	50	0.0	10	100n			200m		-40	85	4	G0572c	M313a
64	TP4030AN	5		MOS	7.0%	2.9*	CMS	2	6E	0.0	10				20u*	2.0 *	-40	85	4	G05126	TO116
65	TF4507AJ	5		MOS	7.1%	2.9*	CMS	2		0.0	10	175nΔ			600u*		-55	125	4	G05126	M157b
66	TF4507AN	5		MOS	7.1%	2.9*	CMS	2		0.0	10	175nΔ			600u*		-55	125	4	G05126	M126a
67	TP4507AJ	5		MOS	7.1%	2.9*	CMS	2		0.0	10	250nΔ			1.4m*		-40	85	4	G05126	M157b
68	TP4507AN	5		MOS	7.1%	2.9*	CMS	2		0.0	10	250nΔ			1.4m*		-40	85	4	G05126	M126a
69	CD4070BK	5		MOS	9.95%	.05†	CMS	2		0.0	10	140nΔ			5.0u*	2.0	-55	125	4	G05126	Δ004AF
70	SCL4030BD	5		MOS	9.95%	.05†	CMS	2	50	0.0	10	140nΔ			1.0u*	3.0	-55	125	4	G05126	M257J
71	SCL4030BF	5		MOS	9.95%	.05†	CMS	2	50	0.0	10	140nΔ			1.0u*	3.0	-55	125	4	G05126	Δ004AF
72	SCL4070BD	5		MOS	9.95%	.05†	CMS	2	50	0.0	10	140nΔ			1.0u*	3.0	-55	125	4		

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	6	TYPE No.	1	5	MAX OPERATING FREQ. (Hz)	PRO-CES	LOGIC			FAN		POWER SUPPLY SPAN		PROPAGA- DELAY (s)	MAX.		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS		
							3	LEVEL		2	IN	OUT MAX.	NEG. (V)		POS. (V)	RISE TIME tr (s)			FALL TIME tf (s)	LOW		HI	LOGIC DWG. No	OUTLINE DWG. No Δ=MO
								'1' (V)	'0' (V)															
1		SN1582	5	5	10M	MON	2.5	.40	DTL	4	25	0.0	5.5	25n			10m	750m	0	70	2		T084	
2		SN1582P	5	5	10M	MON	2.5	.40	DTL	4	25	0.0	5.5	25n			10m	750m	0	70	2		M63	
3		SN1583	5	5	10M	MON	2.5	.40	DTL	2	8	0.0	5.5	25n			20m	750m	0	70	4		T084	
4		SN1583P	5	5	10M	MON	2.5	.40	DTL	2	8	0.0	5.5	25n			20m	750m	0	70	4		M63	
5		SN1584	5	5	10M	MON	2.5	.40	DTL	4	27	0.0	5.5	15n			10m	750m	0	70	2		T084	
6		SN1584P	5	5	10M	MON	2.5	.40	DTL	4	27	0.0	5.5	15n			10m	750m	0	70	2		M63	
7		SN1585	5	5	10M	MON	2.5	.40	DTL	3	8	0.0	5.5	25n			15m	750m	0	70	3		T084	
8		SN1585P	5	5	10M	MON	2.5	.40	DTL	3	8	0.0	5.5	25n			15m	750m	0	70	3		M63	
9		DN35Z	5	5	2.0M	PCB	3.0	0.0	DTL	3	30	0.0	4.0	20n	30n	90n	205m	300m	0	70	9		CB10	
10		SN7370	5	5		MON	4.0*	.40*	DTL	4	10	0	7	65n%	60n	200n	72m		0	70	2	G0574	T084	
11#		47B4	5	5		MON	4.0%	.60*	DTL	4	5	8	8	35n			15m		-55	125	1	G0547	TO100	
12#		47B4P	5	5		MON	4.0%	.60*	DTL	4	5	8	8	35n			15m		-55	125	1	G0547	TO91	
13		E0335	5	5	5.0M	MOH	6.3*	1.1*	DTL	4	15	0	6.3			1.1	1.3	0	55	5	G0568	CB13		
14		SD341BG	5	5		MON	6.5%	5.0*	DTL	6Δ		0.0	12	160n					-55	125	2	G0590	CN50	
15		SD341BJ	5	5		MON	6.5%	5.0*	DTL	6Δ		0.0	12	160n					-55	125	2	G0590	M172	
16		SD341CG	5	5		MON	6.5%	5.0*	DTL	6Δ		0.0	12	160n					-30	100	2	G0590	CN50	
17		SD341CJ	5	5		MON	6.5%	5.0*	DTL	6Δ		0.0	12	160n					-30	100	2	G0590	M172	
18		CT421A4	5	5	250k	PCB	-3.0	-1.1	DTL	2		12	12	200n	1.0u		576m		-54	71	4	G0581	CB16	
19		CT422-4	5	5	250k	PCB	-3.0	-1.1	DTL	3		12	12	200n	1.0u		800m		-54	71	1	G0582	CB16	
20		CT423A3	5	5	250k	PCB	-3.0	-1.1	DTL	2		12	12	200n	1.0u		864m		-54	71	6	G0583	CB16	
21		T421A	5	5	250k	3DM	-3.0	-1.1	DTL	2		12	12	200n	1.0u		144m		-54	71	1	G0578	M17	
22		T422	5	5	250k	3DM	-3.0	-1.1	DTL	3		12	12	200n	1.0u		200m		-54	71	1	G0579	M17	
23		T423A	5	5	250k	3DM	-3.0	-1.1	DTL	2		12	12	200n	1.0u		288m		-54	71	1	G0580	M17	
24		CT805-2	5	5	1.0M	PCB	-3.0	-1.1	DTL	2		12	12	500n	500n		670m		-45	65	4	G0584	CB16	
25		10107E	5	5	150M		-.96	-1.8	ECL	2	90	-5.2	0.0	2.5n	3.0n	3.0n	125m	400m	-30	85			M153a	
26		PD503	5	5	1.0M	MON	0.0	-.50	ECT	4	2	3.3	26	3.5	2.8	3.3	96 Δ		0	75	2	G05105	M54c	
27		MC1030P	5	5		MON	-.75	-1.6*	ECT	2	25	5.2	0.0	5.0n	8.0n	9.0n	130mΔ		0	75	4	G0598	TO116	
28		MC1230F	5	5		MON	-.75%	-1.6*	ECT	2	25	5.2	0.0	5.0n	8.0n	9.0n	130mΔ		-55	125	4	G0598	T086	
29		MC1230L	5	5		MON	-.75%	-1.6*	ECT	2	25	5.2	0.0	5.0n	8.0n	9.0n	130mΔ		-55	125	4	G0598	M157a	
30		MC1030L	5	5	80M	MON	-.75	-1.6	ECT	2	25	5.2	0.0	5.0n	8.0n	8.5n	130mΔ	175m	0	75	4	G0598	TO116	
31		SW1030F	5	5	80M	MON	-.75	-1.6	ECT	2	25	5.2	0.0	5.0n	8.0n	8.5n	130mΔ	175m	0	75	4	G0598	T086	
32		SW1030M	5	5	80M	MON	-.75	-1.6	ECT	2	25	5.2	0.0	5.0n	8.0n	8.5n	130mΔ	175m	0	75	4	G0598	M105n	
33		SW1030P	5	5	80M	MON	-.75	-1.6	ECT	2	25	5.2	0.0	5.0n	8.0n	8.5n	130mΔ	175m	0	75	4	G0598	TO116	
34		SW1230F	5	5	80M	MON	-.75	-1.6	ECT	2	25	5.2	0.0	5.0n	8.0n	8.5n	130mΔ	175m	-55	125	4	G0598	T086	
35		SW1230P	5	5	80M	MON	-.75	-1.6	ECT	2	25	5.2	0.0	5.0n	8.0n	8.5n	130mΔ	175m	-55	125	4	G0598	TO116	
36		MC1672S	5	5	300MΔ	MON	-.95%	-1.61*	ECT	2	70	5.2	0.0	1.3n			220mΔ		0	75	3	G05107	FP78	
37		MC1673S	5	5	300MΔ	MON	-.95%	-1.61*	ECT	2	7	5.2	0.0	1.3n			250mΔ		0	75	3	G05107	FP78	
38		F10113FC	5	5		MON	-.96%	-1.61*	ECT	2	80G	5.2	0.0	3.7nΔ			218m%	145m*	0	75	4	G05132	FP103	
39		F10113PC	5	5		MON	-.96%	-1.61*	ECT	2	80G	5.2	0.0	3.7nΔ			218m%	145m*	0	75	4	G05132	M562	
40		MC1673L	5	5	300MΔ	MON	-.96%	-1.61*	ECT	2	7	5.2	0.0	1.3n			250mΔ		0	75	3	G05107	M191	
41		SN10107J	5	5		MON	-.98%	-1.6*	ECT	2	7	5.2	0.0	2.4n			75mΔ		0	85	3	G05113	M153d	
42		SN10107N	5	5		MON	-.98%	-1.6*	ECT	2	7	5.2	0.0	2.4n			75mΔ		0	85	3	G05113	M117x	
43		SN5191A	5	5		MON	.30*	2.0%	RCT	4	5	0	6	120n	70n	225n	25mΔ		-55	125	1	G0580	FP22	
44		SN5191B	5	5		MON	.30*	2.0%	RCT	4	5	0	8	120nΔ	70n	225n	25mΔ	200m	-55	125	1	G0580	FP22	
45		SNR5191	5	5		MON	.30*	2.0%	RCT	4	5	0	8	120nΔ	70n	225n	25mΔ	200m	-55	125	1	G0580	FP22	
46		SN515B	5	5		MON	.30*	2.5%	RCT	4	5	0	8	185n	130n	925n	11mΔ	200m	-55	125	1	G0575	FP22	
47		SNR515	5	5		MON	.30*	2.5%	RCT	4	5	0	8	185n	130n	925n	11mΔ	200m	-55	125	1	G0575	FP22	
48		US0105A	5	5		MON	2.0%	.301*	RCT	4	5	0.0	8.0	250n	110n	1.2u	11m		-55	125	1	G0549	T089	
49		US0105B	5	5		MON	2.0%	.301*	RCT	4	5	0.0	8.0	250n	110n	1.2u	11m		-55	125	1	G0549	FP23	
50		US0109A	5	5		MON	2.0%	.301*	RCT	4	5	0.0	8.0	70n	225n	25m			-55	125	1	G0586	T089	
51		US0109B	5	5		MON	2.0%	.301*	RCT	4	5	0.0	8.0	70n	225n	25m			-55	125	1	G0582	FP23	
52		USR0105A	5	5		MON	2.0%	.301*	RCT	4	5	0.0	8.0	250n	110n	1.2u	11m		-55	125	1	G0549	FP22	
53		USR0105B	5	5		MON	2.0%	.301*	RCT	4	5	0.0	8.0	250n	110n	1.2u	11m		-55	125	1	G0549	FP23	
54		USR0109A	5	5		MON	2.0%	.301*	RCT	4	5	0.0	8.0	70n	225n	25m			-55	125	1	G0582	FP22	
55		USR0109B	5	5		MON	2.0%	.301*	RCT	4	5	0.0	8.0	70n	225n	25m			-55	125	1	G0582	FP23	
56		MC814	5	5		MON			RTL	2	5	3.0		12n			38mΔ		0	100	2	G0572a	CN46	
57		MIC370-1A	5	5					RTL	2	10	0.0	4.0	90n			20m	200m	-55	125	2		T089	
58		MIC370-1B	5	5					RTL	2	10	0.0	4.0	90n			20m	200m	-55	125	2		T086	
59		MIC370-1C	5	5					RTL	2	10	0.0	4.0	90n			20m	200m	-55	125	2		CN17	
60		MIC370-2A	5	5					RTL	2	10	0.0	4.0	90n			20m	200m	0	100	2		T089	
61		MIC370-2B	5	5					RTL	2	10	0.0	4.0	90n			20m	200m	0	100	2		T086	
62		MIC370-2C	5	5					RTL	2	10	0.0	4.0	90n			20m	200m	0	100	2		CN17	
63		MIC370-3A	5	5					RTL	2	10	0.0	4.0	90n			20m	200m	15	55	2		T089	
64		MIC370-3B	5	5					RTL	2	10	0.0	4.0	90n			20m	200m	15	55	2		T086	
65		MIC370-3C	5	5					RTL	2	10	0.0	4.0	90n			20m	200m	15	55	2		CN17	
66		NB1003	5	5	20M	MON	.82	.57	RTL	3	51	2.7	3.3	13n	20n	30n	27m	540m	-55	125	1	G0563	CN29	
67		NB1007	5	5	20M	MON	.82	.57	RTL	4	51	2.7	3.3	13n	20n	30n	27m	540m	-55	125	1	G0564	CN29	
68		NB1014	5	5	20M	MON	.82	.57	RTL	4	51	2.7	3.3	13n	20n	30n	27m	540m	-55	125	3	G0565	CN29	
69		NB1015	5	5	20M	MON	.82	.57	RTL	6	51	2.7	3.3	13n	20n	30n	28m	540m	-55	125	3	G0566	CN	

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL	LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX.		MAX. PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
						LEVEL	TYPE	IN	OUT MAX.	NEG. (V)	POS. (V)	RISE TIME (s)		FALL TIME tf (s)	LOW			HI	LOGIC DWG. No		OUTLINE DWG. No Δ = No	
																						'1' (V)
	1	9LS136PC	5		MON	2.0%	.80*	TTL	2	5	0.0	5.0	23nΔ			50m	300m	0	75	4	G05120a	T0116
	2	74LS86FC	5		MON	2.0%	.80*	TTL	2	5	0.0	5.0	17nΔ			50m	300m	0	75	4	G05120	T086
	3	74LS136FC	5		MON	2.0%	.80*	TTL	2	5	0.0	5.0	23nΔ			50m	300m	0	75	4	G05120a	T086
	4	74LS386DC	5		MON	2.0%	.80*	TTL	2	22D	0.0	5.0	17nΔ			50m	300m*	0	70	4	G05126	T0116
	5	74LS386PC	5		MON	2.0%	.80*	TTL	2	22D	0.0	5.0	17nΔ			50m	300m*	0	70	4	G05126	M591
	6	7486FC	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	15n			30m†	1.0 Δ	0	70	4	G0572b	FP21h
	7#	7486PCΔ	5		MON	2.0%	.80*	TTL	2	20	0.0	5.0	30nΔ			250m	0	70	4	G0572b	M665	
	8	FJH271	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	12n%			39m	1.0	0	70	4	G0572b	M105d
	9#	FJH271-7486	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	12n			56m†	400m	0	70	4	G0572b	T0116
	10#	FJH301-7403S1	5																			
	11#	GFB7486	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	22n			40m†	400m	0	70	4	G04233b	T0116
	12	ITT7486J	5		MON	2.0%	.80*	TTL	2	10	0.0	5.0	15n			30m†	1.0 Δ	0	70	4	G0572b	M105d
	13	JANM38510/00701DAA	5		MON	2.0%	.80*	TTL	2	20	0.0	5.5	37nΔ			256m		-55	125	4	G05109	FP115
	14	JANM38510/00701DAB	5		MON	2.0%	.80*	TTL	2	20	0.0	5.5	37nΔ			256m		-55	125	4	G05109	FP115
	15	JANM38510/00701DAC	5		MON	2.0%	.80*	TTL	2	20	0.0	5.5	37nΔ			256m		-55	125	4	G05109	FP115
	16#	MIC5486J	5		MON	2.0%	.80*	TTL	2	20	0.0	5.0	37nΔ			150m†	400m	-55	125	4	G0572b	T0116
	17#	MIC6486J	5		MON	2.0%	.80*	TTL	2	20	0.0	5.0	30nΔ			150m†	400m	-40	85	4	G0572b	T0116
	18#	MIC7486J	5		MON	2.0%	.80*	TTL	2	20	0.0	5.0	30nΔ			150m†	400m	0	75	4	G0572b	T0116
	19#	MIC7486N	5		MON	2.0%	.80*	TTL	2	20	0.0	5.0	30nΔ			150m†	400m	0	75	4	G0572b	M126x
	20	NC7486N	5		MON	2.0%	.80*	TTL	10	0.0	5.0	12n%	7			39mΔ	1.0	0	70	4	G0572b	M126
	21	PD7486	5		MON	2.0%	.80*	TTL	10	0.0	5.0	7.0	12n%	7		39mΔ	1.0	0	75	4	G0572b	T0116
	22#	SN5486N	5		MON	2.0%	.80*	TTL	10	0.0	5.0	12n%	7			39mΔ	1.0	-55	125	4	G0572b	M75a
	23#	SN6486N	5		MON	2.0%	.80*	TTL	10	0.0	5.0	12n%	7			39mΔ	1.0	-40	85	4	G0572b	M75a
	24	SN7486V	5		MON	2.0%	.80*	TTL	10	0.0	5.0	15n				30m†	1.0 Δ	0	70	4	G0572b	T084
	25	SW5486H	5		MON	2.0%	.80*	TTL	10	0.0	5.5	15n%				30m†	1.0	-5	125	4	FP21	FP21
	26	SW7486H	5		MON	2.0%	.80*	TTL	10	0.0	5.25	15n%				30m†	1.0	0	70	4	FP21	FP21
	27	SW7486J	5		MON	2.0%	.80*	TTL	10	0.0	5.25	15n%				150m†	1.0	0	70	4	G05112	M114
	28	SW7486N	5		MON	2.0%	.80*	TTL	10	0.0	5.25	15n%				150m†	1.0	0	70	4	G05112	M105n
	29	T54S86F	5		MON	2.0%	.80*	TTL	20	0.0	5.0	10nΔ				375ms		-55	125	4	G05120	T086
	30	T54S86J	5		MON	2.0%	.80*	TTL	20	0.0	5.0	10nΔ				375ms		-55	125	4	G05120	M157c
	31	T54S136F	5		MON	2.0%	.80*	TTL	20	0.0	5.0	14nΔ				375ms		-55	125	4	G05120	T086
	32	T54S136J	5		MON	2.0%	.80*	TTL	20	0.0	5.0	14nΔ				375ms		-55	125	4	G05120	M157c
	33	T74S86F	5		MON	2.0%	.80*	TTL	20	0.0	5.0	10nΔ				375ms		0	70	4	G05120	T086
	34	T74S86J	5		MON	2.0%	.80*	TTL	20	0.0	5.0	10nΔ				375ms		0	70	4	G05120	M157c
	35	T74S136F	5		MON	2.0%	.80*	TTL	20	0.0	5.0	14nΔ				375ms		0	70	4	G05120	T086
	36	T74S136J	5		MON	2.0%	.80*	TTL	20	0.0	5.0	14nΔ				375ms		0	70	4	G05120	M157c
	37#	T7486B1	5		MON	2.0%	.80*	TTL	10	0.0	5.0	30nΔ				150ms	1.0 Δ	0	70	4	G05120	M126u
	38#	T7486D1	5		MON	2.0%	.80*	TTL	10	0.0	5.0	30nΔ				150ms	1.0 Δ	0	70	4	G05120	M294
	39#	T7486D2	5		MON	2.0%	.80*	TTL	10	0.0	5.0	30nΔ				150ms	1.0 Δ	-5	125	4	G05120	M294
	40#	TL7486N	5		MON	2.0%	.80*	TTL	10	0.0	5.0	30nΔ				262m†		0	70	4	G0572b	M126n
	41#	TL8486N	5		MON	2.0%	.80*	TTL	10	0.0	5.0	30nΔ				262m†		-25	85	4	G0572b	M126n
	42	US5486A	5		MON	2.0%	.80*	TTL	80	0.0	5.0	30nΔ						-55	125	4	G0572b	M105af
	43	US5486J	5		MON	2.0%	.80*	TTL	80	0.0	5.0	30nΔ						-55	125	4	G0572b	T088
	44	US7486A	5		MON	2.0%	.80*	TTL	80	0.0	5.0	30nΔ						0	70	4	G0572b	M105af
	45	US7486J	5		MON	2.0%	.80*	TTL	80	0.0	5.0	30nΔ						0	70	4	G0572b	T088
	46	PC906	20M		PCB	2.0%	.80*	TTL	80	0.0	5.0	30nΔ						0	70	4	G0572b	T088
	47	N82S41A	20M		MON	2.6%	.40†	TTL	40	0.0	5	13n				480m†	400m	0	70	8	CBP	CBP
	48	N82A1A	20M		MON	2.6%	.40†	TTL	20	0.0	5.0	7.0n				290m†		0	75	4	G05102	M318
	49	S82S41A	20M		MON	2.6%	.40†	TTL	40	0.0	10	7.0n				300m†		-5	125	4	G05102	M105q
	50	S82S41A	20M		MON	2.6%	.40†	TTL	40	0.0	10	7.0n				290m†		-55	125	4	G05102	M318
	51	S82A1A	20M		MON	2.6%	.40†	TTL	20	0.0	5.0	10n				300m†		-55	125	4	G05102	M257f
	52	S82A1Q	20M		MON	2.6%	.40†	TTL	20	0.0	5.0	10n				300m†		-55	125	4	G05102	T088
	53	TG90F	20M		MON	3.0%	.30	TTL	15	0.0	5.0	18n		5.0n		60m	1.0 Δ	-55	125	1	G0583	FP21c
	54	TG90J	20M		MON	3.0%	.30	TTL	15	0.0	5.0	18n		5.0n		60m	1.0 Δ	-55	125	1	G0583	FP21c
	55	TG91F	20M		MON	3.0%	.30	TTL	7	0.0	5.0	18n		5.0n		60m	1.0 Δ	-55	125	1	G0583	FP21c
	56	TG91J	20M		MON	3.0%	.30	TTL	7	0.0	5.0	18n		5.0n		60m	1.0 Δ	-55	125	1	G0583	FP21c
	57	TG92F	20M		MON	3.0%	.30	TTL	15	0.0	5.0	18n		5.0n		60m	1.0 Δ	0	75	1	G0583	FP21c
	58	TG92J	20M		MON	3.0%	.30	TTL	15	0.0	5.0	18n		5.0n		60m	1.0 Δ	0	75	1	G0583	FP21c
	59	TG93F	20M		MON	3.0%	.30	TTL	7	0.0	5.0	18n		5.0n		60m	1.0 Δ	0	75	1	G0583	FP21c
	60	TG93J	20M		MON	3.0%	.30	TTL	7	0.0	5.0	18n		5.0n		60m	1.0 Δ	0	75	1	G0583	FP21c
	61	NE840J	30		MON	3.1%	.20†	TTL	10	0.0	5.5	13n				38m	1.0 Δ	0	70	2	G0587	T088
	62	SE840J	30		MON	3.1%	.20†	TTL	10	0.0	6.0	13n				38m	1.0 Δ	-55	125	2	G0581	T088
	63	NE840A	30		MON	3.1%	.20†	TTL	10	0.0	5.5	20nΔ				38m	2.0	0	70	2	G0581a	T0116
	64#	MMG92	20M		MON	3.3%	.26	TTL	12	0.0	5.0	11n		6.0n		35m†	900m	0	75	1	G0545	M75
	65#	MMG93	20M		MON	3.3%	.26	TTL	6	0.0	5.0	11n		6.0n		35m†	900m	0	75	1	G0545	M75
	66#	NE440A	20M		MON	3.2%	.35†	TTL	4	7†	0	50m		10n		20m	1.0 Δ	0	80	2	G0592	M105b
	67	NE440J	20M		MON	3.3%	.35†	TTL	4	7†	0	50m		10n		20m	1.0 Δ	0	70	2	G0592	T088
	68	6G90K	20M		MON	3.3%	.26	TTL	8	15†	0	11n		5.0n		35m	900m	-55	125	1	G0545	T084
	69	6G90K	20M		MON	3.3%	.26	TTL	8	15†	0	11n		5.0n		35m	900m	-55	125	1	G0545	T0116
	70	6G91G	20M		MON	3.3%	.26	TTL	8	7†	0	11n		5.0n		35m	900m	-55	125	1	G0545	T084
	71	6G91K	20M		MON	3.3%	.26	TTL	8	7†	0	11n		5.0n		35m	900m	-55	125	1	G0545	T0116
	72	6G92D	20M		MON	3.3%	.26	TTL	8	12†	0	11n		5.0n		35m	900m	0	75	1	G0545	T0116
	73	6G92G	20M		MON	3.3%	.26	TTL														

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF GATE	MAX OPER. FREQ. (Hz)	PRO-CESS	LOGIC LEVEL			FAN IN		POWER SUPPLY SPAN		PROPAGA-TION DELAY (s)	MAX. RISE TIME		TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS		
					'1' (V)	'0' (V)	TYPE	IN	OUT MAX.	NEG. (V)	POS. (V)		tr (s)	tf (s)			LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=MO	
																						3
1	S54S135B	5.7		MON	2.0%	80*	TTL	5	20	0.0	5.0	15nΔ			495mS	1.0 Δ	-55	125	2	G05123	M317	
2	GHA1-2	5B	200k	PCB	-10	0.0	DTL	4t	15	12	6.0	300n	1.0u	500n	1.7	1.5	0	55	7	G0569	CB15	
3	GHA1-1	5B	1.0M	PCB	-10	0.0	DTL	4t	12	12	6.0	100n	250n	200n	2.0	1.5	0	55	7	G0569	CB15	
4	GHA1-5	5B	5.0M	PCB	-10	0.0	DTL	4t	15	12	6.0	50n	60n	100n	2.1	1.5	0	55	7	G0569	CB15	
5	SN10113J	5E		MON	-98%	-1.6*	ECT	2	2	5.2	0.0	2.5n			100mΔ	0	85	4	G05124	M153d		
6	SN10113N	5E		MON	-98%	-1.6*	ECT	2	2	5.2	0.0	2.5n			100mΔ	0	85	4	G05124	M117x		
7	D4025	5F	5.0M	PCB	2.0%	.95*	DTL	2	7	0	5	60n%	50nΔ	15nΔ	1.3	1.0 Δ	0	75	16		CBZ	
8	445	5G	300k	PCB	-6.8	0.0	DTL	4	1	12	12		200n	500n	1.1	0	55	5			CB24	
9	MC1031P	5G		MON	.85%	-1.5*†	ECT	2	25	5.2	0.0	5.0nΔ	8.5n	9.0n	130mΔ	0	75	4	G0599	TO116		
10	MC1231F	5G		MON	.85%	-1.5*†	ECT	2	25	5.2	0.0	5.0nΔ	8.5n	9.0n	130mΔ	-55	125	4	G0599	TO86		
11	MC1231L	5G		MON	.85%	-1.5*†	ECT	2	25	5.2	0.0	5.0nΔ	8.5n	9.0n	130mΔ	-55	125	4	G0599	TO116		
12	MC1031L	5G	80M	MON	-75	-1.6	ECT	2	25	8	0	5.0n	8.0n	8.5n	130mΔ	0	75	4	G0599	TO116		
13	SW1031F	5G	80M	MON	-75	-1.6	ECT	2	25	5.2	0.0	5.0n	8.0n	8.5n	130mΔ	175m	0	75	4	G0599	TO86	
14	SW1031M	5G	80M	MON	-75	-1.6	ECT	2	25	5.2	0.0	5.0n	8.0n	8.5n	130mΔ	175m	0	75	4	G0599	M105n	
15	SW1031P	5G	80M	MON	-75	-1.6	ECT	2	25	5.2	0.0	5.0n	8.0n	8.5n	130mΔ	175m	0	75	4	G0599	TO116	
16	SW1231F	5G	80M	MON	-75	-1.6	ECT	2	25	5.2	0.0	5.0n	8.0n	8.5n	130mΔ	175m	-55	125	4	G0599	TO86	
17	SW1231P	5G	80M	MON	-75	-1.6	ECT	2	25	5.2	0.0	5.0n	8.0n	8.5n	130mΔ	175m	-55	125	4	G0599	TO116	
18	MEM1008	5G	500k	MOS	-10%	-2.0*	TTL	2		30	30	100n	400n	400n	120m	-55	85	2	G0591	CN58		
19	RG92K	5K	20M	MON	3.1%	.40*	TTL	8	12†	0.0	5.0	22nΔ	8.0n	6.0n	35mΔ	900m	0	75	1	G0579	FP21b	
20	RG93K	5K	20M	MON	3.1%	.40*	TTL	8	6†	0.0	5.0	22nΔ	8.0n	6.0n	35mΔ	900m	0	75	1	G0579	FP21b	
21	RG90K	5K	20M	MON	3.2%	.40*	TTL	8	15†	0.0	5.0	22nΔ	8.0n	6.0n	35mΔ	900m	-55	125	1	G0579	FP21b	
22	RG91K	5K	20M	MON	3.2%	.40*	TTL	8	7†	0.0	5.0	22nΔ	8.0n	6.0n	35mΔ	900m	-55	125	1	G0579	FP21b	
23	EO21-1	5M	2.0M	3DM	8.0	0.0	DTL	2	4	12	12	10n	50n	30n	120m	2.0	-35	125	1	G0541a	M16	
24	EO11-1	5M	100k	3DM	8.0	0.0	DTL	2	4	12	12	100n	200n	500n	120m	2.0	-35	65	1	G0541	M15	
25	SN5191	5M		MON	.30	2.3	RCT	4	5	0.0	8.0	125n	70n	225n	25m	200m	-55	125	1	G0580	TO89	
26	2NB1003	5M	10M	MON	.81	.21	RTL	3	5	0.0	3.0	12n	12n	12n	27m	355m	-55	125	1	G0541a		
27	2NB2003	5M	10M	MON	.81	.21	RTL	3	5	0.0	3.0	12n	12n	12n	27m	355m	0	100	1	G0541a		
28	2NB3003	5M	10M	MON	.81	.21	RTL	3	5	0.0	3.6	12n	12n	12n	27m	355m	15	65	1	G0541a		
29	2NB4003	5M	10M	MON	.81	.21	RTL	3	5	0.0	3.0	12n	12n	12n	27m	355m	0	75	1	G0541a		
30	PL975	5M		MON	.90	.15	RTL	4	5	0.0	4.0	32n			10m	-55	125	1	G0571	FP2		
31	EOL	5M	50k	PCB	-10	0.0	RTL			12	12				300m	0	50	3	G0543	CB19		
32	TG449	5M	20M	MON	3.5	.25	TTL	4			6					1.0 Δ	-55	125	2	G0241	ZB159	
33	TG450	5M	20M	MON	3.5	.25	TTL	4			6					1.0 Δ	0	75	2	G0241	ZB159	
34	SWG90	5S	20M%	MON	3.5	.26	TTL	8Δ	15	0.0	6.0	14n	5.0n	8.0n	30m	1.0	-55	125	1	G0579	CN3a	
35	SWG91	5S	20M%	MON	3.5	.26	TTL	8Δ	7	0.0	6.0	14n	5.0n	8.0n	30m	1.0	-55	125	1	G0579	CN3a	
36	SWG92	5S	20M%	MON	3.5	.26	TTL	8Δ	12	0.0	6.0	14n	5.0n	8.0n	30m	1.0	0	75	1	G0579	CN3a	
37	SWG93	5S	20M%	MON	3.5	.26	TTL	8Δ	6	0.0	6.0	14n	5.0n	8.0n	30m	1.0	0	75	1	G0579	CN3a	
38	LU300	6						3		0.0	4.5	5.0n				10	55	2		CN17		
39	PD9933-51	6		MON				5Δ		0.0	8.0					1.0	-55	125	2	G0694d	TO116	
40	TID21	6		MON				9								-65	150	1	G0696b	TO89		
41	TID22	6		MON				9								-65	150	1	G0696b	TO89		
42	TID23	6		MON				9								-65	150	1	G0696a	TO89		
43	TID24	6		MON				9								-65	150	1	G0696a	TO89		
44	331AG	6	4.0M	PCB				6	25†	0.0	12	60nΔ	60nΔ	60nΔ	25m	4.0mΔ	-55	125	2	G06110	CN50	
45	DE335	6	5.0M	PCB				4†		0	5					0	55	9		G0661w		
46	IG12H	6	5.0M	MOH	0.0	5.0		3								0	100	12		CB7		
47	IG12M	6	5.0M	MOH	0.0	5.0		3								0	70	12		CB7		
48	LU301A	6			3.5%	.40†		2	12†	0.0	5.0	45n			180mΔ	1.2	0	10	55	4	G04400	M105q
49	SFC105	6		DTL				6								0	75	1		G0665	CN39	
50	1039-0006	6	2.0M	3DM	7.5	0.0		3	12							-55	85	2		G0649	M26e	
51	11G2311-01	6	200k	PCB	8.2	0.0		2		0.0	28					85	85	10		G0686c	CB49	
52	11G2321-01	6	200k	PCB	8.2	0.0		4		0.0	28	500n				85	6			G0686b	CB49	
53	11G2378	6	200k	PCB	8.2	0.0		2		0.0	28	1.0u	800n			85	10			G06116	CB49	
54	11G2378-01	6	200k	PCB	8.2	0.0		2		0.0	28	1.0u	800n			85	10			G06117	CB49	
55	11G2378A	6	200k	PCB	8.2	0.0		2		0.0	28					85	10			G0686c	CB49	
56	11G2378B	6	200k	PCB	8.2	0.0		2		0.0	28					85	10			G0672a	CB49	
57	MX53L	6		MOS	-3.5%	-9.0*		1		27	0.0	65n				0	70	10		G06168	M183a	
58	UL53L #1	6		MOS	-3.5%	-9.0*		1		27	0.0	65n				0	70	4		G06167	M183a	
59	DG201	6	1.0M	PCB	10	.40		3†							120mΔ	0	-55	100	9	G0693	CB15	
60	D4414	6	3.0M		13	1.5				1.0	18					5.0	0	50				
61	AND2M	6		3DM			DDL	3†													G0689a	
62	AND2Z	6		PCB			DDL	3†													G0689a	CB14
63	CS705G	6		MON			DDL	3								-55	125	2		G0661m	TO91	
64	CS705K	6		MON			DDL	3								-55	125	2		G0661m	CN17	
65	E12001	6		MON			DDL	6		0.0	10					-55	125	1		G0679	CN11	
66	E42001	6		MON			DDL	6		0.0	10					-55	125	1		G0679	FP26c	
67	MC65	6		MON			DDL	2								-65	175	2		G0643b	CN20	
68	MC67	6		MON			DDL	2								-65	175	2		G0646b	CN20	
69	MC68	6		MON			DDL	3								-65	175	2		G0646b	CN20	
70	MC69	6		MON			DDL	3								-65	175	2		G0646c	CN20	
71	MC71	6		MON			DDL	3								-65	175	1		G0644b	CN20	
72	MC72	6		MON			DDL	4								-65	175	1		G0644c	CN20	
73	MC73	6		MON			DDL	5								-65	175	1		G0644d	CN20	
74	MC74	6		MON			DDL	2								-65	175	2		G0645a	CN20	
75	MC75	6		MON			DDL	3								-65	175	2		G0645b	CN20	
76	MC76	6		MON			DDL	1								-65	175	2		G0643a	CN20	
77	NE8731A	6		MON			DDL	2		0	6					0	75	4		G0644k	TO116	
78	NE8731J	6		MON			DDL	2		0	6					0	75	4		G0661t	TO88	
79	NS705G	6		MON			DDL	3														

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL	LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN IN	OUT MAX.	POWER SUPPLY SPAN	PROPAGATION DELAY (s)	MAX.		TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS		
						LEVEL	TYPE	NEG. (V)					POS. (V)	RISE TIME tr (s)			FALL TIME tf (s)	LOW °C		HI °C	LOGIC DWG. No	OUTLINE DWG. No Δ=MO
	1	DBSG1033ZCN	6	1.0M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	-20	100	4	G0664	MP52a		
	2	DBSG1033ZD	6	1.0M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	-55	125	4	G0664	M52		
	3	DBSG1033ZDN	6	1.0M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	-55	125	4	G0664	MP52a		
	4	DCSG1033ZA	6	1.0M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	-55	125	4	G0664	CB29		
	5	DCSG1033ZB	6	1.0M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	-20	75	4	G0664	CB29		
	6	DCSG1033ZC	6	1.0M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	-40	100	4	G0664	CB29		
	7	DCSG1033ZD	6	1.0M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	-55	125	4	G0664	CB29		
	8	DBSG1033YA	6	5.0M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	0	50	4	G0664	M52		
	9	DBSG1033YAN	6	5.0M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	0	50	4	G0664	MP52a		
	10	DBSG1033YB	6	5.0M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	-20	75	4	G0664	M52		
	11	DBSG1033YBN	6	5.0M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	-20	75	4	G0664	MP52a		
	12	DBSG1033YC	6	5.0M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	-40	100	4	G0664	M52		
	13	DBSG1033YCN	6	5.0M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	-40	100	4	G0664	MP52a		
	14	DBSG1033YD	6	5.0M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	-55	125	4	G0664	M52		
	15	DBSG1033YDN	6	5.0M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	-55	125	4	G0664	MP52a		
	16	DCSG1033YA	6	5.0M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	-55	125	4	G0664	CB29		
	17	DCSG1033YB	6	5.0M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	0	50	4	G0664	CB29		
	18	DCSG1033YC	6	5.0M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	-20	75	4	G0664	CB29		
	19	DCSG1033YD	6	5.0M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	-40	100	4	G0664	CB29		
	20	DBSG1033	6	10M	PCM	6.0	1.0†	DDL	11	0	10n	10n	10n	350m	0	50	4	G0664	M52			
	21	DBSG1033XA	6	10M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	0	50	4	G0664	M52		
	22	DBSG1033XAN	6	10M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	0	50	4	G0664	MP52a		
	23	DBSG1033XB	6	10M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	-20	75	4	G0664	M52		
	24	DBSG1033XBN	6	10M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	-20	75	4	G0664	MP52a		
	25	DBSG1033XC	6	10M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	-40	100	4	G0664	M52		
	26	DBSG1033XCN	6	10M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	-40	100	4	G0664	MP52a		
	27	DBSG1033XD	6	10M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	-55	125	4	G0664	M52		
	28	DBSG1033XDN	6	10M	PCM	6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	-55	125	4	G0664	MP52a		
	29	DCSG1033	6	10M		6.0	1.0†	DDL	11	0	10n	10n	10n	350m	0	50	4	G0664	CB29			
	30	DCSG1033XA	6	10M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	0	50	4	G0664	CB29		
	31	DCSG1033XB	6	10M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	0	50	4	G0664	CB29		
	32	DCSG1033XC	6	10M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	-20	75	4	G0664	CB29		
	33	DCSG1033XD	6	10M		6.0	1.0†	DDL	11	0.0	12	10n	10n	10n	350m	-40	100	4	G0664	CB29		
	34	1001-002	6			8.5	0.0	DDL	3†									10				
	35	1011	6					DDL	2									6	G0673	CB16		
	36	G403	6	5.0M	PCB	-3.0	0.0	DDL	2	15	10			220m			5	G06162	CB16			
	37	GA403	6	10M	PCB	-6.0	0.0	DDL									5					
	38	331BG	6	10M	MON	11.3	1.2†	DDL	5	0.0	12	40n			5.0 Δ	-55	125	2	G06110	CN69		
	39	331BJ	6		MON	11.3	1.2†	DDL	5	0.0	12	40n			5.0 Δ	-55	125	2	G06110	M172		
	40	331BN	6		MON	11.3	1.2†	DDL	5	0.0	12	40n			5.0 Δ	-55	125	2	G06110	M204		
	41	331CG	6		MON	11.3	1.2†	DDL	5	0.0	12	40n			5.0 Δ	-30	85	2	G06110	CN69		
	42	331CN	6		MON	11.3	1.2†	DDL	5	0.0	12	40n			5.0 Δ	-30	85	2	G06110	M204		
	43	260MY	6					DTL	6								1	G0665	ZB46			
	44#	45B4	6		MON			DTL	6	0	8					-55	125	1	G0661k	TO100		
	45#	45B4P	6		MON			DTL	6	0	8					-55	125	1	G0661k	TO91		
	46#	70B4	6		MON			DTL	3	0	8					-55	125	2	G0685	TO100		
	47#	70B4P	6		MON			DTL	3	0	8					-55	125	2	G0685	TO91		
	48	1254DD	6		MON			DTL	4Δ	8.0	8.0			100m		-55	125	2	G0669	CN41		
	49	1254G6	6		MON			DTL	4Δ	8.0	8.0			100m		-55	125	2	G0669	CN41		
	50	2254DD	6		MON			DTL	4Δ	8.0	8.0			100m		-55	125	2	G0669	FP19a		
	51	2254G6	6		MON			DTL	7Δ	8.0	8.0			100m		-55	125	1	G0670	FP19		
	52	CD2204	6		MON			DTL	4	0	6.3					-55	125	2	G06139	FP44		
	53	CD2204D	6		MON			DTL	4	0	6.8					-55	125	2	G013v	M135		
	54	CD2314/933	6		MON			DTL	4	0	8				16m†	1.0 Δ	-55	125	2	G06156	FP44a	
	55	CD2314D933	6		MON			DTL	4	0	8				16m†	1.0 Δ	-55	125	2	G06156	M135	
	56	CD2314E833	6		MON			DTL	4	0	8				16m†	1.0 Δ	0	75	2	G06156	TO116	
	57	CL821	6		PCM			DTL	4	20						0	75	4		CB16		
	58	CS709G	6		MON			DTL	3		8					-55	125	2	G0661m	TO91		
	59	CS709K	6		MON			DTL	3	0	8					-55	125	2	G0661m	CN17		
	60	CS731J	6		MON			DTL	2		8					-55	125	4	G0661t	TO88		
	61	CS732J	6		MON			DTL	12		8				250m		-55	125	1	G0661b	TO88	
	62#	D933-1R	6		MON			DTL	5Δ	0.0	8.0				18m†		-55	125	2	G0694b	M54a	
	63#	D933-1U	6		MON			DTL	5Δ	0.0	8.0				18m†		-55	125	2	G0694b	TO86	
	64#	D933-9R	6		MON			DTL	5Δ	0.0	8.0				18m†		0	75	2	G0694b	M54a	
	65#	D933-9U	6		MON			DTL	5Δ	0.0	8.0				18m†		0	75	2	G0694b	TO86	
	66#	DN1933	6		MON			DTL	4	0.0	5.0				18m†	1.0 Δ	0	75	2	G04207	TO116	
	67#	FCY102	6		MON			DTL	4†	1						-55	125	3	G0661j	TO84		
	68#	FFY101A2	6		MON			DTL	6	0	8					0	75	1	G0661k	TO100		
	69#	FFY101C1	6		MON			DTL	6	0	8					0	75	1	G0661k	TO91		
	70#	FFY102A2	6		MON			DTL	6	0	8					-55	125	1	G0661k	TO100		
	71#	FFY102C1	6		MON			DTL	6	0	8					-55	125	1	G0661k	TO91		
	72#	FFY111A2	6		MON			DTL	3	0	8					0	75	2	G0661h	TO100		
	73#	FFY111C1	6		MON			DTL	3	0	8					0	75	2	G0661h	TO91		
	74#	FFY112A2	6		MON			DTL	3	0	8					-55	125	2	G0661h	TO100		
	75#	FFY112C1	6		MON			DTL	3	0	8					-55	125	2	G0661h	TO91		
	76#	FQY101-833	6		MON			DTL	4	0.0	8.0				16m†	1.0 Δ	0	75	2	G06156	TO116	
	77	FuL93329	6		MON			DTL	4	0.0	0.0					0	70	2	G0694			
	78	ITT331-1D	6		MON			DTL	5	0.0	12					-55	125	2	G06110	M200d		
	79	ITT331-5D	6		MON			DTL	5	0.0	12					-30	85	2	G06110	M200d		
	80	LU300K	6		MON			DTL	3	5.5	5.0					15	55	2	G0662	CN17		
	81	MCE933F	6		MON			DTL	1	0.0	5.0											

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN OUT		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					LEVEL	TYPE	IN	OUT MAX.	NEG. (V)	POS. (V)	tr (s)		tf (s)	LOW			HI	LOGIC DWG. No		OUTLINE DWG. No	
																					'1' (V)
1	SW933-2D	6		MON			DTL	4												G0694	T085
2	SW933-2F	6		MON			DTL	4												G0694	T086
3	SW933-2M	6		MON			DTL	4												G0694	M105n
4	SW933-2P	6		MON			DTL	4												G0694	TO115
5	SW933-2S	6		MON			DTL	4												G0694c	CN52
6	SW933-2T	6		MON			DTL	4†												G0694a	CN39
7	UC1005B	6		TFH			DTL	8												G0674	M55
8	UC1006B	6		TFH			DTL	5												G0674a	M55
9	US731J	6		MON			DTL	2												G0661t	T088
10	US732J	6		MON			DTL	12												G0661b	T088
11	WC933D	6		MON			DTL	4		0	8									G0694b	M126b
12	WCT227D	6		MON			DTL	4†												G0694b	TO116
13	WM217G	6		MON			DTL	4†												G0691	T084
14	WM217Q	6		MON			DTL	4†												G0691	TO91
15	WM217T	6		MON			DTL	4†												G0691	CN18
16	WM227G	6		MON			DTL	4†												G0661j	T084
17	RM217Q	6	5.0M	MON			DTL	4†												G0691	FP46
18	WC217T	6	5.0M	MON			DTL	4†		0	6									G0691	CN18
19	WC227D	6	5.0M	MON			DTL	4†		0	6									G0691	TO116
20	WC227G	6	5.0M	MON			DTL	4†		0	6									G0691	T084
21	MC1116	6	10M	MOH			DTL	9												G0682	CN9
22	MC1117	6	10M	MON			DTL	9												G0682a	CN9
23#	OMY125	6		MON			DTL	5	1											G0644g	TO74
24#	ZSD111A	6		MON	.20	4.0	DTL	5	8	0.0	5.0	15n								G0686a	CN2
25#	ZSD131A	6		MON	.20	4.0	DTL	5	8	0.0	5.0	15n								G0686a	CN2
26#	ZXD211A	6	10M	MON	.40	3.2	DTL	10	2											G06140	M105
27#	ZXD231A	6	10M	MON	.40	3.2	DTL	10	2											G06140	M105
28#	ZSD71	6	20M%	MON	.40	3.2	DTL	10	2											G06140	T088
29#	ZSD71A	6	20M%	MON	.40	3.2	DTL	10	2											G06140	T088
30#	ZSD91	6	20M%	MON	.40	3.2	DTL	10	2											G06140	T088
31#	ZSD91A	6	20M%	MON	.40	3.2	DTL	10	2											G06140	T088
32#	ZSD141A	6	20M%	MON	.40	3.2	DTL	10	2											G06140	T088
33#	ZSD151A	6	20M%	MON	.40	3.2	DTL	10	2											G06140	T088
34#	ZSD211A	6	20M%	MON	.40	3.2	DTL	10	2											G06140	M105
35#	ZSD231A	6	20M%	MON	.40	3.2	DTL	10	2											G06140	M105
36#	ZXD201A	6	20M%	MON	.40	3.2	DTL	10	2											G06140	M105
37#	ZXD221A	6	20M%	MON	.40	3.2	DTL	10	2											G06140	M105
38	MIC933-1B	6		MON	1.9%	1.1*	DTL	4	20	0	5.5									G06136	FP32
39	MIC933-1C	6		MON	1.9%	1.1*	DTL	4	20	0	5.5									G06136	CN38
40	MIC933-5B	6		MON	1.9%	1.1*	DTL	4	20	0	5.5									G06136	FP32
41	MIC933-5C	6		MON	1.9%	1.1*	DTL	4	20	0.0	5.0									G06136	CN38
42#	MIC933R3D	6		MON	1.9%	1.1*	DTL	4	20	0.0	5.0	80nΔ								G06136	M294b
43#	MIC933R6D	6		MON	1.9%	1.1*	DTL	4	20	0.0	5.0	80nΔ								G06136	M294b
44#	MIC933R7D	6		MON	1.9%	1.1*	DTL	4	20	0.0	5.0	80nΔ								G06136	M294b
45	RC933P	6		MON	2.0%	1.0*	DTL	3		0	5.0									G06136	M105k
46	RC933T	6		MON	2.0%	1.0*	DTL	3		0	5.0									G06136	TO101
47	RM933P	6		MON	2.0%	1.0*	DTL	3		0	5.0									G06136	M105k
48	RM933T	6		MON	2.0%	1.0*	DTL	3		0	5.0									G06136	TO101
49	PD9935-51	6		MON	2.0	1.1	DTL	6	10	0.0	8.0	35n	10	10	1.7m†	1.0				G0667c	TO116
50	PD9935-59	6		MON	2.0	1.1	DTL	6	10	0.0	8.0	35n	10	10	1.7m†	1.0				G0667c	TO116
51	PL9935-51	6		MON	2.0	1.1	DTL	6	10	0.0	8.0	35n	10	10	1.7m†	1.0				G0667c	T086
52	PL9935-59	6		MON	2.0	1.1	DTL	6	10	0.0	8.0	35n	10	10	1.7m†	1.0				G0667c	T086
53	SI833	6		MON	2.0	1.1	DTL	4	2	0	5.5									G0694	T084
54	SI933	6		MON	2.0	1.1	DTL	4	2	0	5.5									G0694	T084
55	IGE0204	6	5.0M	PCB	2.0%	1.1*	DTL	4	1											G013u	CB51
56	IGE2204	6	5.0M	PCB	2.0%	1.1*	DTL	4	1											G013u	CB51
57	NS730J	6		MON	2.0	1.2	DTL	5	1											G06107	T088
58	GG855	6	5.0M	PCB	2.2%	.70*	DTL	4		0	5	50n								G06107	CBZ
59	SN1500	6	10M	MON	2.5	.40†	DTL	4		0.0	5.5									G0683a	T084
60	SN7320	6		MON	2.6	.30	DTL	5		0	4									G0683a	T084
61	DTL393351	6		MON	2.6%	.40†*	DTL	4		0.0	8.0									G06107	FP28
62	DTL693351	6		MON	2.6%	.40†*	DTL	4		0.0	8.0									G06107	M54
63	PE9933-59	6		MON	2.6	.45	DTL	4	0	0.0	5.0									G0694c	M131
64	NN5205	6	5.0M	PCB	2.6%	.70*	DTL	4	1	0	5									G0686	CB56
65	A04A	6		MON	2.7	1.7	DTL	6		0.0	5.0									G0686	CN16
66	A04F	6		MON	2.7	1.7	DTL	6		0.0	5.0									G0686	T084
67	A44A	6		MON	2.7	1.7	DTL	6		0.0	5.0									G0686	CN16
68	A44F	6		MON	2.7	1.7	DTL	6		0.0	5.0									G0686	T084
69	DTL393359	6		MON	2.8%	.45†*	DTL	4		0.0	8.0									G06107	FP28
70	DTL693359	6		MON	2.8%	.45†*	DTL	4		0.0	8.0									G06107	M54
71	PD9857-51	6		MON	3.0	.20	DTL	2	25	25	0.0	35n	10	10	175m†					G06162	TO116
72	PD9857-59	6		MON	3.0	.20	DTL	2	25	25	0.0	35n	10	10	175m†					G06162	TO116
73	PL9857-51	6		MON	3.0	.20	DTL	2	25	25	0.0	35n	10	10	175m†					G06162	T086
74	PL9857-59	6		MON	3.0	.20	DTL	2	25	25	0.0	35n	10	10	175m†					G06162	T086
75#	OMY105	6		MON	3.0%	.75*	DTL	5	1											G0644g	TO74
76#	SFC305M	6		MON	3.5%	.45*	DTL	6		0	8	25n								G0661g	TO100
77#	SFC305PM	6		MON	3.5%	.45*	DTL	6		0	8	25n								G0661h	TO91
78#	SFC309M	6		MON	3.5%	.45*	DTL	3		0	8	25n								G0661h	TO100
79#	SFC309PM	6		MON	3.5%	.45*	DTL	3		0	8	25n								G0661h	TO91
80	SFC305	6		MON	3.5%	.65*	DTL	6		0	8	4.0n%								G0661h	ZB163
81	SFC309	6		MON	3.5%	.65*	DTL	6		0	8	4.0n%								G0661h	ZB163
82	NE106A	6		MON	3.9%	.45†*	DTL	5												G0661d	TO116
83	NE106J	6		MON	3.9%	.45†*	DTL	5												G0661	T088
84	MC217F	6	15M	MON	4.0	.30	DTL	3		0	8									G0661h	TO91
85	MC217G	6	15M	MON	4.0	.30	DTL	3		0	8									G0661h	CN8
86	MC267F	6	15M	MON	4.0	.30	DTL	3		0	8									G0661h	TO91
87	MC267G	6	15M	MON	4.0	.30	DTL	3		0	8									G0661h	CN8</

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN IN	OUT MAX.	POWER SUPPLY SPAN	PROPAGATION DELAY (s)	MAX.		TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS		
					LEVEL	TYPE	TYPE					RISE TIME tr (s)	FALL TIME tf (s)			LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=MO	
																					'1' (V)
1	SN17921	6		MON			RTL	2	0.0	5.0	15n	180n	50n	40m	250m	-55	125	2	G06134		
2	U5B992128	6		MON			RTL	2	0.0	3.6	15n			40m	250m	15	55	2	G0667	TO99	
3	U8A992128	6		MON			RTL	2	0.0	3.6	15n			40m	250m	15	55	2	G0667	CN34	
4	U8A992129	6		MON			RTL	2	0.0	3.6	15n			40m	250m	0	70	2	G0667	CN34	
5	US0921D	6		MON			RTL	2								-55	125	2	G0667a	TO78	
6	US0921E	6		MON			RTL	2								-55	125	2	G0667a	TO91	
7	2NC1021	6	10M	MON	.75	.22	RTL	2	0.0	4	25n	25n		20m†	100m	-55	125	1	G0667	CN19	
8	MC9921F	6		MON	.75%	.45*	RTL	2	0	4	27n%					-55	125	1	G06142b	TO86	
9	PL9921-21	6		MON	.75%	.45†	RTL	2	0	3	25n					-55	125	2	G0667a	ZB155	
10	PL9921-23	6		MON	.75%	.45†	RTL	2	0	3	25n					0	75	2	G0667a	ZB155	
11	2NC2021	6	10M	MON	.80	.24	RTL	2	0.0	4	25n	25n		200m	170m	0	100	1	G0667	CN19	
12	2NC3021	6	10M	MON	.80	.24	RTL	2	0.0	3.6	25n	25n		200m	170m	0	15	65	1	G0667	CN19
13	2NC4021	6	10M	MON	.80	.24	RTL	2	0.0	4	25n	25n		200m	100m	0	75	1	G0667	CN19	
14	MC9821F	6		MON	.80%	.46*	RTL	2	0	4	27n%			20m†	100m	0	75	1	G06142b	TO86	
15	MC9919F	6		MON	.82%	.57*	RTL	1	0	4	12n%			13m†	100m	-55	125	1	G06142e	TO86	
16	1134E	6		MON	.83	.75	RTL	4	0.0	5.0	40n			350m	350m	-55	125	2	G0668	CN40	
17	2134E	6		MON	.83	.75	RTL	4	0.0	5.0	40n			350m	350m	-55	125	2	G0668	FP20	
18#	SP228A	6		MON	.84	.22	RTL	4	2	8.0	30n			320m	320m	-55	125	2	G0667a	CN6a	
19#	SP228B	6		MON	.84	.22	RTL	4	2	8.0	30n			320m	320m	0	70	2	G0667a	CN6a	
20#	SP249A	6		MON	.84	.22	RTL	4	4	8.0	30n			320m	320m	-55	125	4	G06149	CN23a	
21#	SP249B	6		MON	.84	.22	RTL	4	4	8.0	30n			320m	320m	0	70	4	G06149	CN23a	
22#	SP278A	6		MON	.84	.22	RTL	4	2	8	30n			320m	320m	-55	125	2	G0667b	FP2	
23#	SP278B	6		MON	.84	.22	RTL	4	2	8	30n			320m	320m	0	70	2	G0667b	FP2	
24#	SP299A	6		MON	.84	.22	RTL	4	4	8	30n			320m	320m	-55	125	4	G06149	FP2	
25#	SP299B	6		MON	.84	.22	RTL	4	4	8	30n			320m	320m	0	70	4	G06149	FP2	
26	MC9819F	6		MON	.84%	.55*	RTL	1	0	4	12n%			13m†	100m	0	100	1	G06142e	TO86	
27	MC9719F	6		MON	.85%	.46*	RTL	1	0	4	12n%			13m†	100m	-55	125	1	G06142e	TO86	
28	MC9721F	6		MON	.85%	.46*	RTL	2	0.0	4.0	27n			100m	100m	0	75	1	G06142b	TO86	
29	PL921#1	6		MON	.90	.15	RTL	2	0.0	3.0	40nΔ					-55	125	2	G0667	CN13	
30	PL921#2	6		MON	.90	.15	RTL	2	0.0	3.0	40nΔ					-55	125	2	G0667	FP2	
31	PL979	6		MON	.90	.15	RTL	2	0.0	4.0	40n					-55	125	2	G0695	FP2	
32	PL9921	6		MON	.90	.15	RTL	2	0.0	3.0	30n					-55	125	2	G0667	FP2	
33	PL9979	6		MON	.90	.15	RTL	2	0.0	4.0	30n					-55	125	2	G0695	FP2	
34#	SP328B	6		MON	1.0	.22	RTL	4	2	8	12n			320m	320m	0	70	2	G0667a	TO78	
35#	SP329A	6		MON	1.0	.22	RTL	3†	2	8	12n			320m	320m	-55	125	3	G0667c	TO78	
36#	SP329B	6		MON	1.0	.22	RTL	3†	2	8	12n			320m	320m	0	70	3	G0667c	TO78	
37#	SP378A	6		MON	1.0	.22	RTL	4	2	8	12n			320m	320m	-55	125	2	G0667b	FP2	
38#	SP378B	6		MON	1.0	.22	RTL	4	2	8	12n			320m	320m	0	70	2	G0667b	FP2	
39#	SP379A	6		MON	1.0	.22	RTL	3†	2	8	12n			320m	320m	-55	125	3	G0667c	FP2	
40#	SP379B	6		MON	1.0	.22	RTL	3†	2	8	12n			320m	320m	0	70	3	G0667c	FP2	
41	MWuL921	6		MON	1.1	.20	RTL	2	0.0	3.0	25n			250m	300m	-55	125	2	G0667	CN37	
42	FuL92129	6		MON	1.1	.25	RTL	2	0.0	3.6	25n			300m	300m	15	55	2	G0667	TO99	
43#	30007-02-2-801	6	100k	PCB	-12	0.0	RTL	3	1	12	600n	1.5u	1.0u	64m	8.0	0	50	10	G0677a		
44#	30007-03-2-801	6	100k	PCB	-12	0.0	RTL	2	1	12	600n	1.5u	1.0u	64m	8.0	0	50	20	G0677		
45#	30009-01-2-801	6	100k	PCB	-12	0.0	RTL	6	1	12	600n	1.5u	1.0u	64m	8.0	0	50	4	G0677b		
46#	30013-01-2-801	6	100k	PCB	-12	0.0	RTL	3	1	12	600n	1.5u	1.0u	64m	8.0	0	50	8	G0677c		
47#	MMG182	6		MON			TTL	4	0.0	5.0	3.0n			900m	900m	0	75	2	G0657	M75	
48#	MMG183	6		MON			TTL	4	0.0	5.0	3.0n			900m	900m	0	75	2	G0657	M75	
49	NE806J	6		MON			TTL	4	0	6	6					0	75	2	G06133	TO88	
50	NE8806A	6		MON			TTL	4	0	6	6					0	75	2	G06133a	TO116	
51	NE8806J	6		MON			TTL	4	0.0	6.0	6					0	75	2	G06133	TO88	
52	SE806J	6		MON			TTL	4	0	6	6					-55	125	2	G06133	TO88	
53	SE8806A	6		MON			TTL	4	0	6	6					-55	125	2	G06133a	TO116	
54	SE8806J	6		MON			TTL	4	0	6	6					55	125	2	G06133	TO88	
55	SP806A	6		MON			TTL	4	0	6	6			50m	2.0	15	55	2	G06133a	TO116	
56	ST806A	6		MON			TTL	4	0	6	6			50m	2.0	0	70	2	G06133a	TO116	
57	IG12L	6	5.0M	PCB	0.0	5.5	TTL	3	0	5.5	5.5			246m	246m	0	55	12		CB7	
58	IG12S	6	5.0M	PCB	0.0	5.5	TTL	3	0	5.5	5.5			246m	246m	-40	85	12		CB7	
59	131AE	6		MON	.80	.25	TTL	3	0	3	15n			300m	300m	-55	125	2	G0678	CN12	
60	131AH	6		MON	.80	.25	TTL	3	0	3	15n			300m	300m	-55	125	2	G0678	FP28	
61	131BE	6		MON	.80	.25	TTL	3	0	3	15n			265m	265m	-55	125	2	G0678		
62	131BH	6		MON	.80	.25	TTL	3	0	3	15n			265m	265m	-55	125	2	G0678		
63	131CE	6		MON	.80	.25	TTL	3	0	3	15n			250m	300n	0	70	2	G0678	CN11	
64	E11001	6		MON	.80	.25	TTL	3	0.0	3.0	15n			300n	250m	-55	125	2	G0678	CN11	
65	E11004	6		MON	.80	.25	TTL	3	0.0	3.0	15n			250m	0	70	2	G0678	CN11		
66	E11008	6		MON	.80	.25	TTL	3	0.0	3.0	15n			265m	300n	-55	125	2	G0678	CN11	
67	E41001	6		MON	.80	.25	TTL	3	0.0	3.0	15n			300n	265m	-55	125	2	G0678	FP26c	
68	E41008	6		MON	.80	.25	TTL	3	0.0	3.0	15n			265m	0	-55	125	2	G0678	FP26	
69#	SFC200	6		MON	.92%	.35*	TTL	1	8	12	15n			43m†	0	0	70	1		TO99	
70#	SFC221	6		MON	.92%	.35*	TTL	2	0	3.6	25n					0	70	2		TO99	
71#	T106D2	6		MON	1.4%	.90*	TTL	5Δ	10	0.0	5.0	15nΔ		22m†	1.0 Δ	-55	125	2	G06159c	M29g	
72#	T106F2	6		MON	1.4%	.90*	TTL	5Δ	10	0.0	5.0	15nΔ		22m†	1.0 Δ	-55	125	2	G06159c	FP28g	
73#	T106B1	6		MON	1.6%	.85*	TTL	5Δ	10	0.0	5.0	18nΔ		22m†	1.0 Δ	0	75	2	G06159c	M126u	
74#	T106D1	6		MON	1.6%	.85*	TTL	5Δ	10	0.0	5.0	18nΔ		22m†	1.0 Δ	0	75	2	G06159c	M29a	
75#	T106F1	6		MON	1.6%	.85*	TTL	5Δ	10	0.0	5.0	18nΔ		22m†	1.0 Δ	0	75	2	G06159c	FP28g	
76	9006-1-3L	6		MON	1.7%	.90*	TTL	4	0	5.0	7.0n			10m†	400m	-55	125	2	G0698a	FP47a	
77	9006-1-6B	6		MON	1.7%	.90*	TTL	4	0	5.0	7.0n			10m†	400m	-55	125	2	G0698a	M153a	
78#	MIC9006-1D	6		MON	1.7%	.90*	TTL	4	10	0.0	5.0	7.0n		10m†	400m	0	75	2	G0698a	M153a	
79#	T106D2-16	6		MON	1.7%	.90*	TTL	5Δ	10	0.0	5.0	4.0nΔ		22m†	400m	-55	125	2	G06159	M200	
80#	11-02	6																			

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN IN		POWER SUPPLY SPAN		PROPAGA-TION DELAY (s)	MAX. RISE TIME		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					LEVEL	TYPE	IN	OUT MAX.	NEG. (V)	POS. (V)	tr (s)		tf (s)	LOW °C			HI °C	LOGIC DWG. No		OUTLINE DWG. No Δ=MO	
																					3 '1' (V)
1#	MMG230#2	6	40M	MON	1.7%	1.2*	TTL	10	0.0	5.0	2.0n	28m	1.0	-55	125	G06109	M75				
2#	MMG231#1	6	40M	MON	1.7%	1.2*	TTL	10	0.0	5.0	2.0n	28m	1.0	-55	125	G06109	FP18				
3#	MMG231#2	6	40M	MON	1.7%	1.2*	TTL	10	0.0	5.0	2.0n	28m	1.0	-55	125	G06109	M75				
4#	MMG232#1	6	40M	MON	1.7%	1.2*	TTL	10	0.0	5.0	2.0n	28m	1.0	0	75	G06109	FP18				
5#	MMG232#2	6	40M	MON	1.7%	1.2*	TTL	10	0.0	5.0	2.0n	28m	1.0	0	75	G06109	M75				
6#	MMG233#1	6	40M	MON	1.7%	1.2*	TTL	10	0.0	5.0	2.0n	28m	1.0	0	75	G06109	FP18				
7#	MMG233#2	6	40M	MON	1.7%	1.2*	TTL	10	0.0	5.0	2.0n	28m	1.0	0	75	G06109	M75				
8#	MMG270#1	6	40M	MON	1.7%	1.2*	TTL	4	11	0.0	5.0	2.0n	6.7m	1.0	-55	125	2	G06111	FP18		
9#	MMG270#2	6	40M	MON	1.7%	1.2*	TTL	4	11	0.0	5.0	2.0n	6.7m	1.0	-55	125	2	G06111	M75		
10#	MMG271#1	6	40M	MON	1.7%	1.2*	TTL	4	6	0.0	5.0	2.0n	6.7m	1.0	-55	125	2	G06111	FP18		
11#	MMG271#2	6	40M	MON	1.7%	1.2*	TTL	4	6	0.0	5.0	2.0n	6.7m	1.0	-55	125	2	G06111	M75		
12#	MMG272#1	6	40M	MON	1.7%	1.2*	TTL	4	9	0.0	5.0	2.0n	6.7m	1.0	0	75	2	G06111	FP18		
13#	MMG272#2	6	40M	MON	1.7%	1.2*	TTL	4	9	0.0	5.0	2.0n	6.7m	1.0	0	75	2	G06111	M75		
14#	MMG273#1	6	40M	MON	1.7%	1.2*	TTL	4	5	0.0	5.0	2.0n	6.7m	1.0	0	75	2	G06111	FP18		
15#	MMG273#2	6	40M	MON	1.7%	1.2*	TTL	4	5	0.0	5.0	2.0n	6.7m	1.0	0	75	2	G06111	M75		
16	SG270	6	40M	MON	1.7%	1.2*	TTL	4	11	0	5	1.0n	7.0m	1.0	-55	125	2	G06111	ZB100		
17	SG271	6	40M	MON	1.7%	1.2*	TTL	4	6	0	5	1.0n	7.0m	1.0	-55	125	2	G06111	ZB100		
18	SG272	6	40M	MON	1.7%	1.2*	TTL	4	9	0	5	1.0n	7.0m	1.0	0	75	2	G06111	ZB100		
19	SG273	6	40M	MON	1.7%	1.2*	TTL	4	5	0	5	1.0n	7.0m	1.0	0	75	2	G06111	ZB100		
20	SNG270J	6	40M	MON	1.7%	1.2*	TTL	4	11	0.0	5.0	1.0n	7.0m	1.0	-55	125	2	G06111	M157b		
21	SNG270W	6	40M	MON	1.7%	1.2*	TTL	4	11	0.0	5.0	1.0n	7.0m	1.0	-55	125	2	G06111	Δ004AF		
22	SNG271J	6	40M	MON	1.7%	1.2*	TTL	4	6	0.0	5.0	1.0n	7.0m	1.0	-55	125	2	G06111	M157b		
23	SNG271W	6	40M	MON	1.7%	1.2*	TTL	4	6	0.0	5.0	1.0n	7.0m	1.0	-55	125	2	G06111	Δ004AF		
24	SNG272J	6	40M	MON	1.7%	1.2*	TTL	4	9	0.0	5.0	1.0n	7.0m	1.0	0	75	2	G06111	M157b		
25	SNG272W	6	40M	MON	1.7%	1.2*	TTL	4	9	0.0	5.0	1.0n	7.0m	1.0	0	75	2	G06111	Δ004AF		
26	SNG273J	6	40M	MON	1.7%	1.2*	TTL	4	5	0.0	5.0	1.0n	7.0m	1.0	0	75	2	G06111	M157b		
27	SNG273W	6	40M	MON	1.7%	1.2*	TTL	4	5	0.0	5.0	1.0n	7.0m	1.0	0	75	2	G06111	Δ004AF		
28	TRWG270#1	6	40M	MON	1.7%	1.2	TTL	4	11	0.0	5.0	1.0n	7.0m	1.0	-55	125	2	G06111	M126		
29	TRWG270#2	6	40M	MON	1.7%	1.2	TTL	4	11	0.0	5.0	1.0n	7.0m	1.0	-55	125	2	G06111	M157		
30	9006-9-3L	6		MON	1.8%	.85*	TTL	4		0.0	5.0	7.0n	12mf	400m	0	75	2	G0698a	FP47a		
31	9006-9-6B	6		MON	1.8%	.85*	TTL	4		0.0	5.0	7.0n	12mf	400m	0	75	2	G0698a	M153a		
32	9006FC	6		MON	1.8%	.85*	TTL	4		0.0	5.0	7.0n	12mf	400m	0	75	2	G0698a	FP28b		
33#	MIC9006-5D	6		MON	1.8%	.85*	TTL	4		0.0	5.0	7.0n	12mf	400m	0	75	2	G0698a	M153a		
34#	T106B1-16	6		MON	1.8%	.85*	TTL	5Δ	10	0.0	5.0	5.0nΔ	22mf	400m	0	75	2	G06159c	M200		
35#	T106D1-16	6		MON	1.8%	.85*	TTL	5Δ	10	0.0	5.0	5.0nΔ	22mf	400m	0	75	2	G06159c	M200		
36	6G232D	6		MON	1.8%	1.1*	TTL	10	2	0	6	2.0n	28m	0	75	1	G06109	M126b			
37	6G232G	6		MON	1.8%	1.1*	TTL	10	2	0	6	2.0n	28m	0	75	1	G06109	FP57			
38	6G232K	6		MON	1.8%	1.1*	TTL	10	2	0	6	2.0n	28m	0	75	1	G06109	M105h			
39	6G233D	6		MON	1.8%	1.1*	TTL	10	2	0	6	2.0n	28m	0	75	1	G06109	M126b			
40	6G233G	6		MON	1.8%	1.1*	TTL	10	2	0	6	2.0n	28m	0	75	1	G06109	FP57			
41	6G233K	6		MON	1.8%	1.1*	TTL	10	2	0	6	2.0n	28m	0	75	1	G06109	M105h			
42	6G272D	6		MON	1.8%	1.1*	TTL	4	2	0	6	1.0n	14m	0	75	2	G06111	M126b			
43	6G272G	6		MON	1.8%	1.1*	TTL	4	2	0	6	1.0n	14m	0	75	2	G06111	FP57			
44	6G272K	6		MON	1.8%	1.1*	TTL	4	2	0	6	1.0n	14m	0	75	2	G06111	M105h			
45	6G273D	6		MON	1.8%	1.1*	TTL	4	2	0	6	1.0n	14m	0	75	2	G06111	M126b			
46	6G273G	6		MON	1.8%	1.1*	TTL	4	2	0	6	1.0n	14m	0	75	2	G06111	FP57			
47	6G273K	6		MON	1.8%	1.1*	TTL	4	2	0	6	1.0n	14m	0	75	2	G06111	M105h			
48	TG270F	6		MON	1.8%	1.1*	TTL	5Δ	15	0.0	5.0	14mf	1.0 Δ	-55	125	2	G06108	FP21c			
49	TG270J	6		MON	1.8%	1.1*	TTL	5Δ	15	0.0	5.0	14mf	1.0 Δ	-55	125	2	G06108	TO116			
50	TG271F	6		MON	1.8%	1.1*	TTL	5Δ	15	0.0	5.0	14mf	1.0 Δ	-55	125	2	G06108	FP21c			
51	TG271J	6		MON	1.8%	1.1*	TTL	5Δ	15	0.0	5.0	14mf	1.0 Δ	-55	125	2	G06108	TO116			
52	TG272F	6		MON	1.8%	1.1*	TTL	5Δ	15	0.0	5.0	14mf	1.0 Δ	0	75	2	G06108	FP21c			
53	TG272J	6		MON	1.8%	1.1*	TTL	5Δ	15	0.0	5.0	14mf	1.0 Δ	0	75	2	G06108	TO116			
54	TG273F	6		MON	1.8%	1.1*	TTL	5Δ	15	0.0	5.0	14mf	1.0 Δ	0	75	2	G06108	FP21c			
55	TG273J	6		MON	1.8%	1.1*	TTL	5Δ	15	0.0	5.0	14mf	1.0 Δ	0	75	2	G06108	TO116			
56	TG172F	6		MON	1.8%	1.2*	TTL	5Δ	15	0.0	5.0	25mf	0	75	2	G06108	FP21c				
57	TG172J	6		MON	1.8%	1.2*	TTL	5Δ	15	0.0	5.0	25mf	0	75	2	G06108	TO116				
58	TG173F	6		MON	1.8%	1.2*	TTL	5Δ	15	0.0	5.0	25mf	0	75	2	G06108	FP21c				
59	TG173J	6		MON	1.8%	1.2*	TTL	5Δ	15	0.0	5.0	25mf	0	75	2	G06108	TO116				
60#	10-80	6		MON	2.0%	.80*	TTL	4		0.0	7.0	4.0mΔ	1.2 Δ	0	70	2	G0698	M126			
61	54H60DM	6		MON	2.0%	.80*	TTL	4		0.0	5.0	17ms	1.0 Δ	-55	125	2	G0698b	TO116			
62	54H62DM	6		MON	2.0%	.80*	TTL	10		0.0	5.0	45ms	1.0 Δ	-55	125	1	G06143a	TO116			
63	74H60DC	6		MON	2.0%	.80*	TTL	4		0.0	5.0	17ms	1.0 Δ	0	70	2	G0698b	TO116			
64	74H60FC	6		MON	2.0%	.80*	TTL	4		0.0	5.0	12mf	1.0 Δ	0	70	2	G0698b	FP21h			
65	74H60PC	6		MON	2.0%	.80*	TTL	4		0.0	5.0	17ms	1.0 Δ	0	70	2	G0698b	M591			
66	74H61FC	6		MON	2.0%	.80*	TTL	4		0.0	5.0	12mf	1.0 Δ	0	70	2	G0698b	FP21h			
67	74H62DC	6		MON	2.0%	.80*	TTL	10		0.0	5.0	45ms	1.0 Δ	0	70	1	G06143a	TO116			
68	74H62FC	6		MON	2.0%	.80*	TTL	3		0.0	5.0	25mf	1.0 Δ	0	70	3	G06157	FP21h			
69#	5460-16A	6		MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	20mf	1.0 Δ	-55	125	2	G06159c	M157			
70#	7460-9-6A	6		MON	2.0%	.80*	TTL	4	10	0.0	5.0	30nΔ	0	70	2	G0698	M157				
71#	7460PCΔ	6		MON	2.0%	.80*	TTL	4	10	0.0	5.0	30nΔ	0	70	2	G0698	M665				
72#	FJY101	6		MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	30nΔ	8.0m	400m	0	70	2	G06171	TO116		
73#	FJY102A	6		MON	2.0%	.80*	TTL	4	10	0.0	5.0	15n	8.0m	1.0 Δ	-55	125	2	G06133a	TO116		
74#	FJY102B	6		MON	2.0%	.80*	TTL	4	10	0.0	5.0	15n	8.0m	1.0 Δ	-55	125	2	G06133a	T084		
75#	FJY106	6		MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	30nΔ	8.0m	400m	-40	85	2	G0698b	TO116		
76#	GF7460	6		MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	30nΔ	8.0m	400m	0	70	2	G0698b	TO116		
77	ITT5460J	6		MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	20mf	1.0 Δ	-55	125	2	G06159a	M157			
78	ITT7460J	6		MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	20mf	1.0 Δ	0	70	2	G06159a	M157			
79#	MIC74H60J	6		MON	2.0%	.80*	TTL	4		0.0	7.0	20mf	1.0 Δ	0	75	2	G0698b	M157			
80#	MIC74H62J	6		MON	2.0%	.80*	TTL	10													

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN		POWER SUPPLY SPAN	PROPAGATION DELAY (s)	MAX.		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS		
					LEVEL	TYPE	IN	OUT MAX.	RISE TIME tr (s)			FALL TIME tf (s)	LOW °C			HI °C	LOGIC DWG. No		OUTLINE DWG. No Δ=MO		
																				'1' (V)	'0' (V)
1	SN5460N	6		MON	2.0%	.80*	TTL	4	10	0.0	5.0	30nΔ	20mΔ	1.0 Δ	-55	125	2	G0698	TO116		
2	SN6460N	6		MON	2.0%	.80*	TTL	4	10	0.0	7.0		4.0mΔ	1.0	-40	85	2	G0698	M75a		
3	SN7460	6		MON	2.0%	.80*	TTL	4	10	0	7	27n%		1.0	0	70	2	G0698	TO84		
4	SN7460W	6		MON	2.0%	.80*	TTL	4	10	0.0	5.0	30nΔ	20mΔ	1.0 Δ	0	70	2	G0698	TO84		
5	SW5460H	6		MON	2.0%	.80*	TTL	4	10	0.0	5.5	16nΔ	4.0mΔ	1.0	-55	125	2	G0698	FPZ		
6	SW5460J	6		MON	2.0%	.80*	TTL	4	10	0.0	5.5	27n%	4.0mΔ	1.0	-55	125	2	G0698a	M114		
7	SW7460H	6		MON	2.0%	.80*	TTL	4	10	0.0	5.25	16nΔ	4.0mΔ	1.0	0	70	2	G0698	FPZ		
8	SW7460J	6		MON	2.0%	.80*	TTL	4	10	0.0	5.25	27n%	4.0mΔ	1.0	0	70	2	G0698a	M114		
9	SW7460N	6		MON	2.0%	.80*	TTL	4	10	0.0	5.25	27n%	4.0mΔ	1.0	0	70	2	G0698a	M105n		
10	T74H61B1	6		MON	2.0%	.80*	TTL	3		0.0	5.0		40m		0	70					
11	T74H61D1	6		MON	2.0%	.80*	TTL	3		0.0	5.0		40m		0	70					
12	T74H61D2	6		MON	2.0%	.80*	TTL	3		0.0	5.0		40m		-55	125					
13	T74H62B1	6		MON	2.0%	.80*	TTL	10		0.0	5.0		30m		0	70					
14	T74H62D1	6		MON	2.0%	.80*	TTL	10		0.0	5.0		30m		0	70					
15	T74H62D2	6		MON	2.0%	.80*	TTL	10		0.0	5.0		30m		-55	125					
16	T7460B1	6		MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	30nΔ	20mΔ	1.0 Δ	0	70	2	G02172	M126u		
17	T7460D2	6		MON	2.0%	.80*	TTL	5Δ	10	0.0	5.0	30nΔ	20mΔ	1.0 Δ	-55	125	2	G02172	M294		
18	TG7460E	6		MON	2.0%	.80*	TTL	4	10	0.0	7.0	27n%	4.0mΔ	1.0	0	70	2	G0698	TO116		
19	TL7460N	6		MON	2.0%	.80*	TTL	4		0.0	5.0	30nΔ	17mΔ		0	70	2	G0698a	M126n		
20	US54460A	6		MON	2.0%	.80*	TTL	4		0.0	5.0	16nΔ		1.0 Δ	-55	125	2	G0698b	M105b		
21	US54460J	6		MON	2.0%	.80*	TTL	4		0.0	5.0	16nΔ		1.0 Δ	-55	125	2	G0698b	M105b		
22	US54461A	6		MON	2.0%	.80*	TTL	3		0.0	5.0	20nΔ		1.0 Δ	-55	125	3	G06157	M105b		
23	US54461J	6		MON	2.0%	.80*	TTL	3		0.0	5.0	20nΔ		1.0 Δ	-55	125	3	G06157	TO88		
24	US54462A	6		MON	2.0%	.80*	TTL	10		0.0	5.0	16nΔ		1.0 Δ	-55	125	1	G06143a	M105b		
25	US54462J	6		MON	2.0%	.80*	TTL	10		0.0	5.0	16nΔ		1.0 Δ	-55	125	1	G06143a	TO88		
26	US74460A	6		MON	2.0%	.80*	TTL	4		0.0	5.0	16nΔ		1.0 Δ	0	70	2	G0698b	M105b		
27	US74460J	6		MON	2.0%	.80*	TTL	4		0.0	5.0	16nΔ		1.0 Δ	0	70	2	G0698b	TO88		
28	US74461A	6		MON	2.0%	.80*	TTL	3		0.0	5.0	20nΔ		1.0 Δ	0	70	3	G06157	M105b		
29	US74461J	6		MON	2.0%	.80*	TTL	3		0.0	5.0	20nΔ		1.0 Δ	0	70	3	G06157	TO88		
30	US74462A	6		MON	2.0%	.80*	TTL	10		0.0	5.0	16nΔ		1.0 Δ	0	70	1	G06143a	M105b		
31	US74462J	6		MON	2.0%	.80*	TTL	10		0.0	5.0	16nΔ		1.0 Δ	0	70	1	G06143a	TO88		
32	US5460A	6		MON	2.0%	.80*	TTL	4		0.0	5.0	15n			-55	125	2	G06159c	M105b		
33	US5460J	6		MON	2.0%	.80*	TTL	4		0.0	5.0	15n			-55	125	2	G06159b	TO88		
34	US5461A	6		MON	2.0%	.80*	TTL	3		7.0				1.0 Δ	-55	125	3	G06157	M105b		
35	US5461J	6		MON	2.0%	.80*	TTL	3		7.0				1.0 Δ	-55	125	3	G06157	TO88		
36	US5462A	6		MON	2.0%	.80*	TTL	10		7.0				1.0 Δ	-55	125	1	G06143a	M105b		
37	US5462J	6		MON	2.0%	.80*	TTL	10		7.0				1.0 Δ	-55	125	1	G06143a	TO88		
38	US7460A	6		MON	2.0%	.80*	TTL	4		0.0	5.0	15n			0	70	2	G06159c	M105b		
39	US7460J	6		MON	2.0%	.80*	TTL	4		0.0	5.0	15n			0	70	2	G06159b	TO88		
40	US7461A	6		MON	2.0%	.80*	TTL	3		7.0				1.0 Δ	0	70	3	G06157	M105b		
41	US7461J	6		MON	2.0%	.80*	TTL	3		7.0				1.0 Δ	0	70	3	G06157	TO88		
42	US7462A	6		MON	2.0%	.80*	TTL	10		7.0				1.0 Δ	0	70	1	G06143a	M105b		
43	US7462J	6		MON	2.0%	.80*	TTL	10		7.0				1.0 Δ	0	70	1	G06143a	TO88		
44	USN7460A	6		MON	2.0%	.80*	TTL	4		0	7	34nΔ	20m	1.0 Δ	0	70	2	G06133a	TO116		
45	USN7460J	6		MON	2.0%	.80*	TTL	4		0	7	34nΔ	20m	1.0 Δ	0	70	2	G06133	TO88		
46	US55460A	6		MON	2.0%	.80*	TTL	4		0	7	34nΔ	20m	1.0 Δ	-55	125	2	G06133a	TO116		
47	US55460J	6		MON	2.0%	.80*	TTL	4		0	7	34nΔ	20m	1.0 Δ	-55	125	2	G06133	TO88		
48	WC7460D	6		MON	2.0%	.80*	TTL	4		0.0	7.0		4.0mΔ	1.0	0	75	2	G0698	M126b		
49	GG955	6	20M	PCB	2.0%	.80*	TTL	4		0	5	13n	30mΔ	400m	0	70	6		C8Z		
50	MC3118L	6		MON	2.4%	.40*†	TTL	10		0.0	5.0		40mΔ		-55	125	1	G06143a	TO116		
51	MC3119L	6		MON	2.4%	.40*†	TTL	3		0.0	5.0		25mΔ		-55	125	3	G06157	TO116		
52	MC3130L	6		MON	2.4%	.40*†	TTL	4		0.0	5.0	1.0n	15mΔ		-55	125	2	G06159a	TO116		
53	MC3018L.P%	6		MON	2.5%	.40*†	TTL	10		0.0	5.0		40mΔ		0	75	1	G06143a	TO116		
54	MC3019L.P%	6		MON	2.5%	.40*†	TTL	3		0.0	5.0		25mΔ		0	75	3	G06157	TO116		
55	MC3030L.P%	6		MON	2.5%	.40*†	TTL	4		0.0	5.0	1.0n	15mΔ		0	75	2	G06159a	TO116		
56	NC7320N	6		MON	2.6	.30	TTL	5		0.0	4.0				0	70	1	G0683a	MZ		
57	TNG4031	6	20M	MON	3.0	.30	TTL	4	7	0.0	7.0	15n	15m	1.0 Δ	15	55	1	G0678a	CN13a		
58	TNG5031	6	20M	MON	3.0	.30	TTL	2	7	0.0	7.0	15n	15m	1.0 Δ	15	55	2	G06109a	CN13a		
59	NE806A	6	30M	MON	3.1	.20†	TTL	4				20nΔ		2.0	0	70	2	G06133a	TO116		
60	6G290G	6		MON	3.3	.26	TTL	3†	15†	0	5	10n	5.0n	8.0n	152m	1.0	-55	125	2	G06141	TO84
61	6G290K	6		MON	3.3	.26	TTL	3†	15†	0	5	10n	5.0n	8.0n	152m	1.0	-55	125	2	G06141	TO116
62	6G291G	6		MON	3.3	.26	TTL	3†	7†	0	5	10n	5.0n	8.0n	152m	1.0	-55	125	2	G06141	TO84
63	6G291K	6		MON	3.3	.26	TTL	3†	7†	0	5	10n	5.0n	8.0n	152m	1.0	-55	125	2	G06141	TO116
64	6G292D	6		MON	3.3	.26	TTL	3†	12†	0	5	10n	5.0n	8.0n	152m	1.0	0	75	2	G06141	TO116
65	6G292G	6		MON	3.3	.26	TTL	3†	12†	0	5	10n	5.0n	8.0n	152m	1.0	0	75	2	G06141	TO84
66	6G293D	6		MON	3.3	.26	TTL	3†	6†	0	5	10n	5.0n	8.0n	152m	1.0	0	75	2	G06141	TO116
67	6G293G	6		MON	3.3	.26	TTL	3†	6†	0	5	10n	5.0n	8.0n	152m	1.0	0	75	2	G06141	TO84
68	PD9636-61	6		MON	3.3	.26	TTL	3†	15†	0	5	10n	5.0n	8.0n	140m	1.0	-55	125	2	G06141	TO116
69	PD9636-69	6		MON	3.3	.26	TTL	3†	12†	0	5	10n	5.0n	8.0n	140m	1.0	0	75	2	G06141	TO116
70	PD9636-71	6		MON	3.3	.26	TTL	3†	7†	0	5	10n	5.0n	8.0n	140m	1.0	-55	125	2	G06141	TO116
71	PD9636-79	6		MON	3.3	.26	TTL	3†	6†	0	5	10n	5.0n	8.0n	140m	1.0	0	75	2	G06141	TO116
72	PL9636-61	6		MON	3.3	.26	TTL	3†	15†	0	5	10n	5.0n	8.0n	140m	1.0	-55	125	2	G06141	TO88
73	PL9636-69	6		MON	3.3	.26	TTL	3†	12†	0	5	10n	5.0n	8.0n	140m	1.0	0	75	2	G06141	TO88
74	PL9636-71	6		MON	3.3	.26	TTL	3†	7†	0	5	10n	5.0n	8.0n	140m	1.0	-55	125	2	G06141	TO88
75	PL9636-79	6		MON	3.3	.26	TTL	3†	6†	0	5	10n	5.0n	8.0n	140m	1.0	0	75	2	G06141	TO88
76	SG290	6		MON	3.3	.26	TTL	3†	15†	0	5	10n	5.0n	8.0n	152m	1.0	-55	125	2	G06141	ZB100
77	SG291	6		MON	3.3	.26	TTL	3†	7†	0	5	10n	5.0n	8.0n	152m	1.0	-55	125	2	G06141	ZB100
78	SG292	6		MON	3.3	.26	TTL	3†	12†	0	5	10n	5.0n	8.0n	152m	1.0	0	75	2	G06141	ZB100
79	SG293	6		MON	3.3																

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF GATE	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN OUT		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					LEVEL	TYPE	IN	OUT MAX.	NEG. (V)	POS. (V)	tr (s)		tf (s)	LOW °C			HI °C	LOGIC DWG. No		OUTLINE DWG. No	
																					'1' (V)
1	6G172G	6	20M	MON	3.3	26	TTL	4	12f	0	5	3.0n			5.0m	900m	0	75	2	G0656	TO84
2	6G173D	6	20M	MON	3.3	26	TTL	4	6f	0	5	3.0n			5.0m	900m	0	75	2	G0656	TO116
3	6G173G	6	20M	MON	3.3	26	TTL	4	6f	0	5	3.0n			5.0m	900m	0	75	2	G0656	TO84
4	6G180G	6	20M	MON	3.3	26	TTL	4	15f	0	5	3.0n				900m	-55	125	2	G0657	TO84
5	6G180K	6	20M	MON	3.3	26	TTL	4	15f	0	5	3.0n				900m	-55	125	2	G0657	TO116
6	6G181G	6	20M	MON	3.3	26	TTL	4	7f	0	5	3.0n				900m	-55	125	2	G0657	TO84
7	6G181K	6	20M	MON	3.3	26	TTL	4	7f	0	5	3.0n				900m	-55	125	2	G0657	TO116
8	6G182D	6	20M	MON	3.3	26	TTL	4	12f	0	5	3.0n				900m	0	75	2	G0657	TO116
9	6G182G	6	20M	MON	3.3	26	TTL	4	12f	0	5	3.0n				900m	0	75	2	G0657	TO84
10	6G183D	6	20M	MON	3.3	26	TTL	4	6f	0	5	3.0n				900m	0	75	2	G0657	TO116
11	6G183G	6	20M	MON	3.3	26	TTL	4	6f	0	5	3.0n				900m	0	75	2	G0657	TO84
12#	MMG150#1	6	20M	MON	3.3	26	TTL	10	15	0.0	5.0	4.0n			20m	900m	-55	125	1	G0655	FP18
13#	MMG150#2	6	20M	MON	3.3	26	TTL	10	15	0.0	5.0	4.0n			20m	900m	-55	125	1	G0655	M75
14#	MMG151#1	6	20M	MON	3.3	26	TTL	10	7	0.0	5.0	4.0n			20m	900m	-55	125	1	G0655	FP18
15#	MMG151#2	6	20M	MON	3.3	26	TTL	10	7	0.0	5.0	4.0n			20m	900m	-55	125	1	G0655	M75
16#	MMG170#1	6	20M	MON	3.3	26	TTL	4	15	0.0	5.0	3.0n			5.0m	900m	-55	75	2	G0656	FP18
17#	MMG170#2	6	20M	MON	3.3	26	TTL	4	15	0.0	5.0	3.0n			5.0m	900m	-55	75	2	G0656	M75
18#	MMG171#1	6	20M	MON	3.3	26	TTL	4	7	0.0	5.0	3.0n			5.0m	900m	-55	75	2	G0656	FP18
19#	MMG171#2	6	20M	MON	3.3	26	TTL	4	7	0.0	5.0	3.0n			5.0m	900m	-55	75	2	G0656	M75
20#	MMG180#1	6	20M	MON	3.3	26	TTL	4	15	0.0	5.0	3.0n			5.0m	900m	-55	125	2	G0657	FP18
21#	MMG180#2	6	20M	MON	3.3	26	TTL	4	15	0.0	5.0	3.0n			5.0m	900m	-55	125	2	G0657	M75
22#	MMG181#1	6	20M	MON	3.3	26	TTL	4	7	0.0	5.0	3.0n			5.0m	900m	-55	125	2	G0657	FP18
23#	MMG181#2	6	20M	MON	3.3	26	TTL	4	7	0.0	5.0	3.0n			5.0m	900m	-55	125	2	G0657	M75
24	SG150	6	20M	MON	3.3	26	TTL	10	15f	0	5	4.0n			20m	900m	-55	125	1	G06143	ZB100
25	SG151	6	20M	MON	3.3	26	TTL	10	7f	0	5	4.0n			20m	900m	-55	125	1	G06143	ZB100
26	SG152	6	20M	MON	3.3	26	TTL	10	12f	0	5	4.0n			20m	900m	0	75	1	G06143	ZB100
27	SG153	6	20M	MON	3.3	26	TTL	10	6f	0	5	4.0n			20m	900m	0	75	1	G06143	ZB100
28	SG170	6	20M	MON	3.3	26	TTL	4	15f	0	5	3.0n			5.0m	900m	-55	75	2	G0656	ZB100
29	SG171	6	20M	MON	3.3	26	TTL	4	7f	0	5	3.0n			5.0m	900m	-55	75	2	G0656	ZB100
30	SG172	6	20M	MON	3.3	26	TTL	4	12f	0	5	3.0n			5.0m	900m	0	75	2	G0656	ZB100
31	SG173	6	20M	MON	3.3	26	TTL	4	6f	0	5	3.0n			5.0m	900m	0	75	2	G0656	ZB100
32	SG180	6	20M	MON	3.3	26	TTL	4	15f	0	5	3.0n			5.0m	900m	-55	125	2	G0657	ZB100
33	SG181	6	20M	MON	3.3	26	TTL	4	7f	0	5	3.0n			5.0m	900m	-55	125	2	G0657	ZB100
34	SG182	6	20M	MON	3.3	26	TTL	4	12f	0	5	3.0n			5.0m	900m	0	75	2	G0657	ZB100
35	SG183	6	20M	MON	3.3	26	TTL	4	6f	0	5	3.0n			5.0m	900m	0	75	2	G0657	ZB100
36	SNG150J	6	20M	MON	3.3	26	TTL	10	15f	0.0	5.0	4.0n			20m	900m	-55	125	1	G06143	M157b
37	SNG150W	6	20M	MON	3.3	26	TTL	10	15f	0.0	5.0	4.0n			20m	900m	-55	125	1	G06143	A004AF
38	SNG151J	6	20M	MON	3.3	26	TTL	10	7f	0.0	5.0	4.0n			20m	900m	-55	125	1	G06143	M157b
39	SNG151W	6	20M	MON	3.3	26	TTL	10	7f	0.0	5.0	4.0n			20m	900m	-55	125	1	G06143	A004AF
40	SNG152J	6	20M	MON	3.3	26	TTL	10	12f	0.0	5.0	4.0n			20m	900m	0	75	1	G06143	M157b
41	SNG152W	6	20M	MON	3.3	26	TTL	10	12f	0.0	5.0	4.0n			20m	900m	0	75	1	G06143	A004AF
42	SNG153J	6	20M	MON	3.3	26	TTL	10	6f	0.0	5.0	4.0n			20m	900m	0	75	1	G06143	M157b
43	SNG153W	6	20M	MON	3.3	26	TTL	10	6f	0.0	5.0	4.0n			20m	900m	0	75	1	G06143	A004AF
44	SNG170J	6	20M	MON	3.3	26	TTL	4	15f	0.0	5.0	3.0n			5.0m	900m	-55	75	2	G0656	M157b
45	SNG170W	6	20M	MON	3.3	26	TTL	4	15f	0.0	5.0	3.0n			5.0m	900m	-55	75	2	G0656	A004AF
46	SNG171J	6	20M	MON	3.3	26	TTL	4	7f	0.0	5.0	3.0n			5.0m	900m	-55	75	2	G0656	M157b
47	SNG171W	6	20M	MON	3.3	26	TTL	4	7f	0.0	5.0	3.0n			5.0m	900m	-55	75	2	G0656	A004AF
48	SNG172J	6	20M	MON	3.3	26	TTL	4	12f	0.0	5.0	3.0n			5.0m	900m	0	75	2	G0656	M157b
49	SNG172W	6	20M	MON	3.3	26	TTL	4	12f	0.0	5.0	3.0n			5.0m	900m	0	75	2	G0656	A004AF
50	SNG173J	6	20M	MON	3.3	26	TTL	4	6f	0.0	5.0	3.0n			5.0m	900m	0	75	2	G0656	M157b
51	SNG173W	6	20M	MON	3.3	26	TTL	4	6f	0.0	5.0	3.0n			5.0m	900m	0	75	2	G0656	A004AF
52	SNG180J	6	20M	MON	3.3	26	TTL	4	15f	0.0	5.0	3.0n			5.0m	900m	-55	125	2	G0657	M157b
53	SNG180W	6	20M	MON	3.3	26	TTL	4	15f	0.0	5.0	3.0n			5.0m	900m	-55	125	2	G0657	A004AF
54	SNG181J	6	20M	MON	3.3	26	TTL	4	7f	0.0	5.0	3.0n			5.0m	900m	-55	125	2	G0657	M157b
55	SNG181W	6	20M	MON	3.3	26	TTL	4	7f	0.0	5.0	3.0n			5.0m	900m	-55	125	2	G0657	A004AF
56	SNG182J	6	20M	MON	3.3	26	TTL	4	12f	0.0	5.0	3.0n			5.0m	900m	0	75	2	G0657	M157b
57	SNG182W	6	20M	MON	3.3	26	TTL	4	12f	0.0	5.0	3.0n			5.0m	900m	0	75	2	G0657	A004AF
58	SNG183J	6	20M	MON	3.3	26	TTL	4	6f	0.0	5.0	3.0n			5.0m	900m	0	75	2	G0657	M157b
59	SNG183W	6	20M	MON	3.3	26	TTL	4	6f	0.0	5.0	3.0n			5.0m	900m	0	75	2	G0657	A004AF
60	TRWG150#1	6	20M	MON	3.3	26	TTL	10	15f	0.0	5.0	4.0n			20m	900m	-55	125	1	G06143	M157
61	TRWG150#2	6	20M	MON	3.3	26	TTL	10	15f	0.0	5.0	4.0n			20m	900m	-55	125	1	G06143	M126
62	TRWG170#1	6	20M	MON	3.3	26	TTL	4	15f	0.0	5.0	3.0n			5.0m	900m	-55	75	2	G0656	M157
63	TRWG170#2	6	20M	MON	3.3	26	TTL	4	15f	0.0	5.0	3.0n			5.0m	900m	-55	75	2	G0656	M126
64	TRWG180#1	6	20M	MON	3.3	26	TTL	4	15f	0.0	5.0	3.0n			5.0m	900m	-55	125	2	G0657	M157
65	TRWG180#2	6	20M	MON	3.3	26	TTL	4	15f	0.0	5.0	3.0n			5.0m	900m	-55	125	2	G0657	M126
66	RG151K	6	20M	MON	3.4	20	TTL	10		0.0	5	4.0n			20mf	1.1	-55	125	4	G06143	FP28
67	RG151P	6	20M	MON	3.4	20	TTL	10		0.0	5	4.0n			20mf	1.1	-55	125	4	G06143	M105k
68	RG152K	6	20M	MON	3.4	20	TTL	10		0.0	5	4.0n			20mf	1.1	0	75	4	G06143	FP28
69	RG152P	6	20M	MON	3.4	20	TTL	10		0.0	5	4.0n			20mf	1.1	0	75	4	G06143	M105k
70	RG153K	6	20M	MON	3.4	20	TTL	10		0.0	5	4.0n			20mf	1.1	0	75	4	G06143	FP28
71	RG153P	6	20M	MON	3.4	20	TTL	10		0.0	5	4.0n			20mf	1.1	0	75	4	G06143	M105k
72	RG170K	6	20M	MON	3.4	20	TTL	4		0.0	5	1.0n			10mf	1.1	-55	125	2	G0656	FP28
73	RG170P	6	20M																		

5. GATES

IN ORDER OF: (1)TYPE GATE (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	TYPE No.	TYPE OF GATE	5 MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN IN	OUT MAX.	POWER SUPPLY SPAN	PROPA-GATION DELAY (s)	MAX.		TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS		
					LEVEL	TYPE	IN					RISE TIME tr (s)	FALL TIME tf (s)			LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=MO	
																					3 '1' (V)
1	SWG271	6	35M	MON	3.5	26	TTL	8†		0.0	6.0	2.0n		6.7m	1.0	-55	125	2			
2	SWG272	6	35M	MON	3.5	26	TTL	8†		0.0	6.0	2.0n		6.7m	1.0	0	75	2			
3	SWG273	6	35M	MON	3.5	26	TTL	8†		0.0	6.0	2.0n		6.7m	1.0	0	75	2			
4	MC428F	6		MON	3.5%	1.05*†	TTL	5		0.0	6.0	15nΔ	8.0n	5.0n	15m†	0	75	2	G06165	T085	
5#	MMG152	6		MON	4.8%	.65*	TTL	10		0.0	5.0	4.0n			20m†	900m	0	75	1	G0655	M75
6#	MMG153	6		MON	4.8%	.65*	TTL	10		0.0	5.0	4.0n			20m†	900m	0	75	1	G0655	M75
7#	MMG172	6		MON	4.8%	.65*	TTL	4		0.0	5.0	1.0n			10m†	900m	0	75	2	G0656b	M75
8#	MMG173	6		MON	4.8%	.65*	TTL	4		0.0	5.0	1.0n			10m†	900m	0	75	2	G0656b	M75
9#	FPY101	6		MON			VTL	5									0	75	2	G0661x	T0116
10#	FPY103	6		MON			VTL	5									-20	85	2	G0661x	T0116
11	PD9631-61	6.1		MON	1.7%	1.2*	TTL	10		0	5	2.0n			26m	1.0	-55	125	1	G06109	T0116
12	PD9631-69	6.1		MON	1.7%	1.2*	TTL	10		0	5	2.0n			26m	1.0	0	75	1	G06109	T0116
13	PD9631-71	6.1		MON	1.7%	1.2*	TTL	10		0	5	2.0n			26m	1.0	-55	125	1	G06109	T0116
14	PD9631-79	6.1		MON	1.7%	1.2*	TTL	10		0	5	2.0n			26m	1.0	0	75	1	G06109	T0116
15	PL9631-61	6.1		MON	1.7%	1.2*	TTL	10		0	5	2.0n			26m	1.0	-55	125	1	G06109	T086
16	PL9631-69	6.1		MON	1.7%	1.2*	TTL	10		0	5	2.0n			26m	1.0	0	75	1	G06109	T086
17	PL9631-71	6.1		MON	1.7%	1.2*	TTL	10		0	5	2.0n			26m	1.0	-55	125	1	G06109	T086
18	PL9631-79	6.1		MON	1.7%	1.2*	TTL	10		0	5	2.0n			26m	1.0	0	75	1	G06109	T086
19	SG230	6.1	40M	MON	1.7%	1.2*	TTL	10		0	5	2.0n			28m	1.0	-55	125	1	G06109	ZB100
20	SG231	6.1	40M	MON	1.7%	1.2*	TTL	10		0	5	2.0n			28m	1.0	-55	125	1	G06109	ZB100
21	SG232	6.1	40M	MON	1.7%	1.2*	TTL	10		0	5	2.0n			28m	1.0	0	75	1	G06109	ZB100
22	SG233	6.1	40M	MON	1.7%	1.2*	TTL	10		0	5	2.0n			28m	1.0	0	75	1	G06109	ZB100
23	SNG230J	6.1	40M	MON	1.7%	1.2*	TTL	10		0.0	5.0	2.0n			28m	1.0	-55	125	1	G06109	M157b
24	SNG230W	6.1	40M	MON	1.7%	1.2*	TTL	10		0.0	5.0	2.0n			28m	1.0	-55	125	1	G06109	Δ004AF
25	SNG231J	6.1	40M	MON	1.7%	1.2*	TTL	10		0.0	5.0	2.0n			28m	1.0	-55	125	1	G06109	M157b
26	SNG231W	6.1	40M	MON	1.7%	1.2*	TTL	10		0.0	5.0	2.0n			28m	1.0	-55	125	1	G06109	Δ004AF
27	SNG232J	6.1	40M	MON	1.7%	1.2*	TTL	10		0.0	5.0	2.0n			28m	1.0	0	75	1	G06109	M157b
28	SNG232W	6.1	40M	MON	1.7%	1.2*	TTL	10		0.0	5.0	2.0n			28m	1.0	0	75	1	G06109	Δ004AF
29	SNG233J	6.1	40M	MON	1.7%	1.2*	TTL	10		0.0	5.0	2.0n			28m	1.0	0	75	1	G06109	M157b
30	SNG233W	6.1	40M	MON	1.7%	1.2*	TTL	10		0.0	5.0	2.0n			28m	1.0	0	75	1	G06109	Δ004AF
31	TRWG230#1	6.1	40M	MON	1.7%	1.2	TTL	10		0.0	5.0	2.0n			28m	1.0	-55	125	1	G06109	M126
32	TRWG230#2	6.1	40M	MON	1.7%	1.2	TTL	10		0.0	5.0	2.0n			28m	1.0	-55	125	1	G06109	M157
33	TG230F	6.1		MON	1.8%	1.1*	TTL	11Δ	15	0.0	5.0			25m†	1.0 Δ	-55	125	1	G06143	FP21c	
34	TG230J	6.1		MON	1.8%	1.1*	TTL	11Δ	15	0.0	5.0			25m†	1.0 Δ	-55	125	1	G06143	T0116	
35	TG231F	6.1		MON	1.8%	1.1*	TTL	11Δ		0.0	5.0			14m†		-55	125	1	G06143	FP21c	
36	TG231J	6.1		MON	1.8%	1.1*	TTL	11Δ		0.0	5.0			14m†		-55	125	1	G06143	T0116	
37	TG232F	6.1		MON	1.8%	1.1*	TTL	11Δ	15	0.0	5.0			25m†	1.0 Δ	0	75	1	G06143	FP21c	
38	TG232J	6.1		MON	1.8%	1.1*	TTL	11Δ	15	0.0	5.0			25m†	1.0 Δ	0	75	1	G06143	T0116	
39	TG233F	6.1		MON	1.8%	1.1*	TTL	11Δ		0.0	5.0			14m†		0	75	1	G06143	FP21c	
40	TG233J	6.1		MON	1.8%	1.1*	TTL	11Δ		0.0	5.0			14m†		0	75	1	G06143	T0116	
41	GC10	6B	300k	PCB	8.0	0.0	DTL	4†	1		25	5.0n†		500m	700m	55	100	9	G0676	CB34	
42	GH10	6B	1.0M	PCB	8.0	0.0	DTL	4†	1		25	5.0n†		500m	700m	55	100	9	G0676	CB34	
43	TG150F	6F		MON	1.7%	1.2*	TTL	11Δ		0.0	5.0			25m†		-55	125	1	G06109	FP21c	
44	TG150J	6F		MON	1.7%	1.2*	TTL	11Δ		0.0	5.0			25m†		-55	125	1	G06109	T0116	
45	TG151F	6F		MON	1.7%	1.2*	TTL	11Δ		0.0	5.0			25m†		-55	125	1	G06109	FP21c	
46	TG151J	6F		MON	1.7%	1.2*	TTL	11Δ		0.0	5.0			25m†		-55	125	1	G06109	T0116	
47	TG152F	6F		MON	1.8%	1.2*	TTL	11Δ		0.0	5.0			25m†		0	75	1	G06109	FP21c	
48	TG152J	6F		MON	1.8%	1.2*	TTL	11Δ		0.0	5.0			25m†		0	75	1	G06109	T0116	
49	TG153F	6F		MON	1.8%	1.2*	TTL	11Δ		0.0	5.0			25m†		0	75	1	G06109	FP21c	
50	TG153J	6F		MON	1.8%	1.2*	TTL	11Δ		0.0	5.0			25m†		0	75	1	G06109	T0116	
51	RD211	6M		MON			DTL	4		0	6					-55	125	2	G0644h	T084	
52	RD511	6M		MON			DTL	4		0	6					0	75	2	G0644h	T084	
53	SW1025F	6S	80M	MON	-75	-1.6	ECT	5†	25	5.2	0.0	4.0n			175m	0	75	2	G0683b	T086	
54	SW1025M	6S	80M	MON	-75	-1.6	ECT	5†	25	5.2	0.0	4.0n			175m	0	75	2	G0683b	M105n	
55	SW1025P	6S	80M	MON	-75	-1.6	ECT	5†	25	5.2	0.0	4.0n			175m	0	75	2	G0683b	T0116	
56	SW1225F	6S	80M	MON	-75	-1.6	ECT	5†	25	5.2	0.0	4.0n			175m	-55	125	2	G0683b	T086	
57	SW1225P	6S	80M	MON	-75	-1.6	ECT	5†	25	5.2	0.0	4.0n			175m	-55	125	2	G0683b	T0116	
58	TF4519AJ#3	7		MOS	7.1%	2.9*	CMS			0.0	10	225nΔ			600u%	-55	125	4	K30139	M153d	
59	TF4519AN#3	7		MOS	7.1%	2.9*	CMS			0.0	10	225nΔ			600u%	-55	125	4	K30139	M117x	
60	TP4519AJ#3	7		MOS	7.1%	2.9*	CMS			0.0	10	300nΔ			3.0m%	-40	85	4	K30139	M153d	
61	TP4519AN#3	7		MOS	7.1%	2.9*	CMS			0.0	10	300nΔ			3.0m%	-40	85	4	K30139	M117x	
62	CD4077BK	7		MOS	9.95%	.05*†	CMS	2		0.0	10	70n			5.0u%	-55	125	4	G075	Δ004AF	
63	SCL4077BD	7		MOS	9.95%	.05*†	CMS	2	50	0.0	10	130nΔ			1.0u%	3.0	-55	125	4	G075	M257j
64	SCL4077BF	7		MOS	9.95%	.05*†	CMS	2	50	0.0	10	130nΔ			1.0u%	3.0	-55	125	4	G075	Δ004AF
65	HD1A4811-9	7	10M	MOS	15	0.0	CMS	2		0.0	15	300nΔ			200m	-40	85	4	G073	T0116	
66	HD1A4811-2	7	10M	MOS	18	0.0	CMS	2		0.0	18	170nΔ			200m	-55	125	4	G073	T0116	
67	MC1674S	7		MON	-95%	-1.6*†	ECT	2	70	-5.2	0.0	2.3n	2.5n	2.2n	250m†	0	75	3	G071	FP78	
68	MC1675L	7		MON	-95%	-1.6*†	ECT	2	70	5.2	0.0	2.3n	2.5n	2.2n	250m†	0	75	3	G071	M191	
69	MC1675S	7		MON	-95%	-1.6*†	ECT	2	70	-5.2	0.0	2.3n	2.5n	2.2n	250m†	0	75	3	G071	FP78	
70	9LS266DM	7		MON	2.0%	.70*	TTL	2	2.5	0.0	5.0	23nΔ			65m%	300m	-55	125	4	G075a	T0116
71	9LS266FM	7		MON	2.0%	.70*	TTL	2	2.5	0.0	5.0	23nΔ			65m%	300m	-55	125	4	G075a	T086
72	SN54LS266N	7		MON	2.0%	.70*	TTL	2		0.0	5.0	30n			40m%	-55	125	4	G075	M126e	
73	9LS266DC	7		MON	2.0%	.80*	TTL	2	5	0.0	5.0	23nΔ			65m%	300m	0	75	4	G075a	T0116
74	9LS266FC	7		MON	2.0%	.80*	TTL	2	5	0.0	5.0	23nΔ			65m%	300m	0	75	4	G075a	T086
75	9LS266PC	7		MON	2.0%	.80*	TTL	2	5	0.0	5.0	23nΔ			65m%	300m	0	75	4	G075a	T0116
76	74LS266FC	7		MON	2.0%	.80*															

6. DECODERS

IN ORDER OF: (1)FROM (2)TO (3)LOGIC TYPE
(4)LOGIC '1' (5)LOGIC '0' (6)TYPE No.

LINE No.	TYPE No.	DECODES		LOGIC TYPE	PRO-CESS	LOGIC LEVEL		No. OF LINES		POWER SUPPLY SPAN		TRANSITION TIME (s)	MAX. RISE TIME		MAX. FALL TIME (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS		
		FROM	TO			'1' (V)	'0' (V)	IN	OUT	NEG (V)	POS (V)		tr (s)	tf (s)				LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=MO	
		1	2			4	5																
1#	28135				PCB	0.0	-12	16	32	60	0					3.0		0	50				
2#	28138				PCB	0.0	-12	4	28	60	0					2.5		0	50				
3	D4043				PCB	2.0%	.95*	4	10		5.0			50nf	15nf		1.0 Δ	0	75			CBJ	
4	25LS153J		2	TTL	MON					0.0	5.0					31m		T7				F02118	
5	25LS153W		2	TTL	MON					0.0	5.0					31m		T7				F02118	
6	25LS157J		8	TTL	MON					0.0	5.0					24m		T7				F02119	
7	25LS157W		8	TTL	MON					0.0	5.0					24m		T7				F02119	
8	25LS158J		8	TTL	MON					0.0	5.0					40m		T7				F02120	
9	25LS158W		8	TTL	MON					0.0	5.0					40m		T7				F02120	
10	HD1-14514-2		18		MOS	10	0.0			0.0	15					200m	3.0	-55	125	1			
11	HD1-14514-9		18		MOS	10	0.0			0.0	15					200m	3.0	-40	85	1			
12	HD1-14515-2		18		MOS	10	0.0			0.0	15					200m	3.0	-55	125	1			
13	HD1-14515-9		18		MOS	10	0.0			0.0	15					200m	3.0	-40	85	1			
14	HD9-14514-2		18		MOS	10	0.0			0.0	15					200m	3.0	-55	125	1			
15	HD9-14514-9		18		MOS	10	0.0			0.0	15					200m	3.0	-40	85	1			
16	HD9-14515-2		18		MOS	10	0.0			0.0	15					200m	3.0	-55	125	1			
17	HD9-14515-9		18		MOS	10	0.0			0.0	15					200m	3.0	-40	85	1			
18	9327-9-4L		20		MON	1.8%	.85*	4	7	0.0	5.0					110mf	400m	0	75	1	F1715	FP47b	
19	9327-9-7B		20		MON	1.8%	.85*	4	7	0.0	5.0					110mf	400m	0	75	1	F1715	M200	
20	231		2		PCB	2.0%	.45*	8	10	0.0	5.0					125m	1.4	0	70	1	F115	CB50	
21	MDB1		2		PCB	2.0%	.95*	1	11		5.0					565m	1.0 Δ	0	70	1		CB37c	
22	MC4001L#2		2	TTL		2.5*	.45*†	6		0.0	5.0	45n				300mf		0	75	1	F0236	M191	
23	DC1CBDC1		4†		PCB	0.0	-6.0	8†	10	18	18	1.0u	1.5u	3.0u				-55	55	2			
24	DC1MLD1G		4†		PCB	0.0	-6.0	4	2	18	18	1.0u	1.5u	3.0u				-55	55	2			
25	DC1MLD2G		4†		PCM	0.0	-6.0	4	2	18	18	1.0u	1.5u	3.0u				-55	55	2			
26	DC1MVC6G		4†		PCM	0.0	-6.0	4	2	18	18	1.0u	1.5u	3.0u				-55	55	2			
27#	9960-9		4		MON	1.0%	.40*	4	10	0	5					45m	1.0	0	75	1			
28	BCD9A		4H		PCB	1.0%	.60*	4	8	0.0	3.3							0	65	1	F0117	CB8a	
29#	9301-1		4		MON	2.4%	.40*Δ	4	10	0	5					145m	1.0	-55	125	1			
30#	9301-9		4		MON	2.4%	.45*Δ	4	10	0	5					145m	1.0	0	75	1			
31	9030		4		PCB	3.0	-6.0	3	16	0.0	5.0	17n	6.5n			600m		0	70	1		CB54	
32	GC15	1B	4		PCB	8.0	0.0	8†	12	25	25					900m		-55	100	12	F019	CB34	
33	GH15	1B	4		PCB	8.0	0.0	8†	12	25	25					1.8		-55	100	12	F019	CB34	
34	8040		4		PCB	-4.4	0.0	8†	16	20	20					1.3		0	55	2	F011	CB2	
35	FCL111		4		MON	.90	0.0	4	10		6.0					125m	1.0	0	70	1		M117f	
36	25LS139J		4	TTL	MON					0.0	5.0					34m		T7				F0191	
37	25LS139W		4	TTL	MON					0.0	5.0					34m		T7				F0191	
38	1151		8		PCB	0.0	-3.0	7	10	15	10			90n	90n	1.3	500m	-20	55	1	F016	CB16	
39	4151		8		PCB	0.0	-3.0	7	10	15	10			500n	200n	1.6	500m	-20	55	1	F016	CB16	
40	6151		8		PCB	0.0	-3.0	7	8	15	10			75n		1.3		-20	55	1		CB16	
41	DC1CBOC1		8†		PCB	0.0	-6.0	6†	8	18	18	1.0u	1.5u	3.0u				-20	55	1			
42	OD20	1B	8		PCB	0.0	-6.0	6	8	18	12	600n	500n†	800m†			1.2	1.5*	-20	55	1	F0116	CB13a
43	OD30	1B	8		PCB	0.0	-6.0	6	8	18	12	100n	100n†	150n†			1.6	1.5*	-20	55	1	F0116	CB13a
44	OD35	1B	8		PCB	0.0	-6.0	6	8	18	12	100n	25n†	50n†			2.2	1.5*	-20	55	1	F0116	CB13a
45	SMD1	1F	8		PCB	0.0	-8.0	7†	8	12	12	100n%	150n	250n			630m	1.5	-40	75	1	F014	CB10
46	SMD21	1F	8		PCB	0.0	-8.0	7†	8	12	12	80n%	300n	1.0u			360m	1.5	-40	75	1	F014	CB10
47	MD1	1F	8		PCB	0.0	-10	7†	8	12	6.0	80n%	300n	1.0u			620m	1.5	-20	55	1	F014	CB10
48	MD1A	1F	8		PCB	0.0	-10	7†	8	12	6.0	80n%	300n	250n			1.2	1.5	-20	55	1	F014	CB10
49	MD2	1F	8		PCB	0.0	-10	7†	8	12	6.0	20n%	50n	100n			1.2	1.5	-20	55	1	F014	CB10
50	MD21	1F	8		PCB	0.0	-10	7†	8	12	6.0	120n%	1.0u	4.0u			370m	1.5	-20	55	1	F014	CB10
51	ECL2517		8		MON	.15%	.15*	4	8	3.2	1.3	7.7nΔ	6.5nΔ	6.5nΔ			225mΔ	0	75	12	F0133	M117m	
52	W108		8		PCB	-2.0	-3.0			15	10			100n	1.5u		240m		-20	65	1		
53	MD31		8		PCB	3.0	0.0	8	10	0.0	4.0			30n	90n		200m	2.0	-40	70	1		CB10a
54	BT12		8		PCB	4.0	0.0	7	8	0.0	8.0	18u				1.4		5	71	2	F0118	CB37a	
55	1150		8		PCB	-3.0	0.0	7	10	15	10			50n	60n		500m	-20	55	1	F016	CB16	
56	4150		8		PCB	-3.0	0.0	7	10	15	10			100n	600n		500m	-20	55	1	F016	CB16	
57	6150		8		PCB	-3.0	0.0	7	8	15	10			50n	70n		500m	-20	55	1	F016	CB16	
58	GDM1-1		8		PCB	-3.0	-2.0			15	10			100n	1.5u		240m		-20	65	1		
59	GDM1-5		8		PCB	-1.0	0.0	14	16	12	6.0			60n	60n		800m	0	55	1	F0112	CB15	
60	SCL4428BD		8	CMS	MOS	9.95%	.05*†	4	10	0.0	10	100nΔ				100u%	3.0	-55	125	1	F0161	M257j	
61	SCL4428BF		8	CMS	MOS	9.95%	.05*†	4	10	0.0	10	100nΔ				100u%	3.0	-55	125	1	F0161	Δ004AF	
62	SCL4428AC		8	CMS	MOS	9.99%	.01*†	4		0.0	10	75nΔ				100u%	4.5	-55	125	1	F0155	M475a	
63	SCL4428AD		8	CMS	MOS	9.99%	.01*†	4		0.0	10	75nΔ				100u%	4.5	-55	125	1	F0155	M475b	
64	SCL4428AE		8	CMS	MOS	9.99%	.01*†	4		0.0	10	75nΔ				100u%	4.5	-40	85	1	F0155	M475c	
65	SCL4428AF		8	CMS	MOS	9.99%	.01*†	4		0.0	10	75nΔ				100u%	4.5	-55	125	1	F0155	FP110	
66	SCL4428AH		8	CMS	MOS	9.99%	.01*†	4		0.0	10	75nΔ											

6. DECODERS

IN ORDER OF: (1)FROM (2)TO (3)LOGIC TYPE
(4)LOGIC '1' (5)LOGIC '0' (6)TYPE No.

DIGITAL

LINE No.	TYPE No.	DECODES		LOGIC TYPE	PRO-CESS	LOGIC LEVEL		No. OF LINES		POWER SUPPLY SPAN	TRANS-ITION TIME (s)	MAX. RISE TIME		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS		
		1 FROM	2 TO			'1' (V)	'0' (V)	IN	OUT			tr (s)	tf (s)			LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=MO	
1	SCL4556BF	1	18	CMS	MOS	9.95%	.05*	2	4	0.0	10	130nΔ		100m	3.0	-55	125	2	F0154	Δ004AH	
2	CD4555BH	1	18	CMS	MOS	9.99%	.01*	3	4	0.0	15	100n		200m	4.5 Δ	-55	125	2	F0153	FCZ	
3	CD4556BH	1	18	CMS	MOS	15%	.05*	3	4	0.0	15	100n		200m	4.5 Δ	-55	125	2	F0154	FCZ	
4	MBD1Z	1	18	DTL	PCB	3.0%	.40*	4	8	0.0	5.0	40nt		260m	1.0	0	70	8		CB53	
5	MBD1A	1	18	DTL	PCB	3.0%	.40*	4	8	0.0	5.0	40nt		260m	1.0	0	70	8		CB53	
6	MC1044P	1	18	ECT	MON	.85%	1.5*†	4	10	5.2	0.0	6.0n		245m		0	75	1	F0129	M278	
7	MC1242F	1	18	ECT	MON	-.75%	1.6*	3	4	5.2	0.0	14n		245m		-55	125	2	F0127	FP85	
8	MC1042P	1	18	ECT	MON	-.75%	1.6*	3	4	5.2	0.0	6.5n		245m		0	75	2	F0127	M278	
9	MC1242L	1	18	ECT	MON	-.75%	1.6*	3	4	5.2	0.0	14n		245m		-55	125	2	F0127	M191	
10	MC1043P	1	18	ECT	ECT	-.85%	1.5*†	3	8	5.2	0.0	6.0n	4.5n	210m		0	75	1	F0126	TO116	
11	MC1243F	1	18	ECT	MON	-.85%	1.5*†	3	8	5.2	0.0	6.0n	4.5n	210m		-55	125	1	F0126	TO86	
12	SN10162J	1	18	ECT	MON	-.98%	1.6*	5	8	5.2	0.0	2.0n				0	85	1	F0156	M153d	
13	SN10162N	1	18	ECT	MON	-.98%	1.6*	5	8	5.2	0.0	2.0n				0	85	1	F0156	M117x	
14	SN10171J	1	18	ECT	MON	-.98%	1.6*	4	4	5.2	0.0	2.0n				0	85	2	F0157	M153d	
15	SN10171N	1	18	ECT	MON	-.98%	1.6*	4	4	5.2	0.0	2.0n				0	85	2	F0157	M117x	
16	SN10172J	1	18	ECT	MON	-.98%	1.6*	4	4	5.2	0.0	2.0n				0	85	2	F0157a	M153d	
17	SN10172N	1	18	ECT	MON	-.98%	1.6*	4	4	5.2	0.0	2.0n				0	85	2	F0157a	M117x	
18	MC1043F	1	18	ECT	ECT	-.85%	1.5*†	3	25	5.2	0.0	6.0n	4.5n	210m		0	75	1	F0126	TO85	
19	MC1243L	1	18	ECT	ECT	-.85%	1.5*†	3	25	5.2	0.0	6.0n	4.5n	210m		-55	125	1	F0126	TO116	
20#	GFB74154	1	18	TTL	MON	2.0%	.80*	3	16	0.0	5.0	36nΔ		170m	400m	0	70	1	F0245	M199a	
21#	MIC54154J	1	18	TTL	MON	2.0%	.80*	6	16	0.0	5.0	23nt		170m	400m	-55	125	1	F0139	M197b	
22#	MIC54155J	1	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	16nt		125m	400m	-55	125	1	F0131	M153g	
23#	MIC54156J	1	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	16nt		125m	400m	-55	125	1	F0131	M153a	
24#	MIC64155J	1	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	16nt		125m	400m	-40	85	1	F0131	M153a	
25#	MIC64156J	1	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	16nt		125m	400m	-40	85	1	F0131	M153a	
26#	MIC74154J	1	18	TTL	MON	2.0%	.80*	6	16	0.0	5.0	23nt		170m	400m	0	75	1	F0139	M197b	
27#	MIC74154N	1	18	TTL	MON	2.0%	.80*	6	16	0.0	5.0	23nt		170m	400m	0	75	1	F0139	M274	
28#	MIC74155J	1	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	16nt		125m	400m	0	75	1	F0131	M153g	
29#	MIC74155N	1	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	16nt		125m	400m	0	75	1	F0131	M117ab	
30#	MIC74156J	1	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	16nt		125m	400m	0	75	1	F0131	M153g	
31#	MIC74156N	1	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	16nt		125m	400m	0	75	1	F0131	M117ab	
32	SN54154N	1	18T	TTL	MON	2.0%	.80*	6	10	0.0	5.0			170m		-55	125	1	F0130	M186	
33	SN54155N	1	18T	TTL	MON	2.0%	.80*	6	10	0.0	5.0			125m		-55	125	1	F0131	M117	
34	SN54156N	1	18T	TTL	MON	2.0%	.80*	6	10	0.0	5.0			125m		-55	125	1	F0131	M117	
35	SW74154J	1	18T	TTL	MON	2.0%	.80*	6	10	0.0	5.0			170m		0	70	1	F0130	M197	
36	SW74154N	1	18	TTL	MON	2.0%	.80*	6	16	0.0	5.0	36nΔ		294m		0	70	1	F0130	M274	
37	SW74155J	1	18T	TTL	MON	2.0%	.80*	6	8	0.0	5.2	32nΔ		210m		0	70	1	F0131	M153	
38	SW74155N	1	18T	TTL	MON	2.0%	.80*	6	8	0.0	5.2	32nΔ		210m		0	70	1	F0131	M153	
39	SW74156J	1	18T	TTL	MON	2.0%	.80*	6	8	0.0	5.2	34nΔ		210m		0	70	1	F0131	M153	
40	SW74156N	1	18T	TTL	MON	2.0%	.80*	6	8	0.0	5.2	34nΔ		210m		0	70	1	F0131	M153	
41#	TL74155N	1	18	TTL	MON	2.0%	.80*	7	8	0.0	5.0	34ntΔ		210m		0	70	1	F0131	M117u	
42#	TL74156N	1	18	TTL	MON	2.0%	.80*	7	8	0.0	5.0	34ntΔ		210m		0	70	1	F0131	M117u	
43	US54154A	1	18	TTL	MON	2.0%	.80*	4	16	0.0	5.0			170m		-55	125	1	F0130	M186	
44	US74154A	1	18	TTL	MON	2.0%	.80*	4	16	0.0	5.0			170m		0	70	1	F0130	M186	
45	9315FC	1	18	TTL	MON	2.0%	.85*	4	10	0.0	5.0					0	70	1	F0233a	FP47b	
46	C3205	1	18	TTL	MON	2.0%	.85*	6	8	0.0	5.0	18ntΔ		350m		-65	125	1	F0158	M207a	
47	MC54406F	1	18	TTL	MON	2.4%	.40*†	4	8	0.0	5.0	14nt		100m		-55	125	1	F0121	TO86	
48	MC54406L	1	18	TTL	MON	2.4%	.40*†	4	8	0.0	5.0	14nt		100m		-55	125	1	F0121	TO116	
49	MC74406F	1	18	TTL	MON	2.4%	.40*†	4	8	0.0	5.0	14nt		100m		0	75	1	F0121	TO86	
50	MC74406L.P%	1	18	TTL	MON	2.4%	.40*†	4	8	0.0	5.0	14nt		100m		0	75	1	F0121	TO116	
51	MCE54H146F	1	18	TTL	MON	2.4%	.40*†	4	10	0.0	5.0			130m		-55	125	1	F0134	TO86	
52	MCE74H146F	1	18	TTL	MON	2.4%	.40*†	4	10	0.0	5.0			130m		0	70	1	F0134	TO86	
53	SND1	2F			PCB	0.0	-8.0*	4	10	12	150					-40	75	1			
54	ND1	2F			PCB	0.0	-10	4	10	12	150					-20	55	1			
55	D4040	2	2		PCB	2.0%	.95*	4	7	0.0	5.0			300m	1.0 Δ	0	75				
56	SW7442J	2	2		MON	2.0%	.80*	4	10	0.0	5.2	30n%	50nt	15nt	140m	1.0 Δ	0	70	1	F0229a	M153b
57	MBD1A	2	2		PCB	2.0%	.95*	1	7	0.0	5.0			521m	1.0 Δ	0	70				
58	IGF0231	2	1		PCB	2.0%	1.1*	10	10	0.0	5.0			590m	500m	0	75	4	F0228	CB37c	
59	PL4G03#1	2	1		MON	-9.0%	-3.0*	6	5	30	0.0			75m		-55	125	1	F0220	TO86	
60	PL4G03#2	2	1		MON	-9.0%	-3.0*	6	5	30	0.0			75m		-55	125	1	F0220	FP33	
61	MC4001L#1	2	1		TTL	2.5*	.45*†	6	4	0.0	5.0	45n		300m		0	75	1	F0236	M191	
62	380BG	2	4		MON		.50†	4	10	0.0	12		250n	200n	400m	5.0 Δ	-55	125	1	F0247	CN69
63	380BJ	2	4		MON		.50†	4	10	0.0	12		250n	200n	400m	5.0 Δ	-55	125	1	F0247	M172
64	380BN	2	4		MON		.50†	4	10	0.0	12		250n	200n	400m	5.0 Δ	-55	125	1	F0247	M204
65	380CG	2	4		MON		.50†	4	10	0.0	12		250n	200n	400m	5.0 Δ	-35	80	1	F0247	CN69
66	380CN	2	4		MON		.50†	4	10	0.0	12		250n	200n	400m	5.0 Δ	-35	80	1	F0247	M204
67#	MIC381-1D1	2	4*		MON		1.2†	4	10	0.0	15			105m		-55	125	1	F0247	M200d	
68	B17441P	2	4		TTL		2.5*	4	10	0.0	5.0					0	70	1	F0237	M114	
69	B1701	2	4		PCB	0.0	-6.0*	8	10	12	0.0	500n	200n	150m		-15	80	1	F0218	CB35	
70	B1701	2	4		PCB	0.0	-6.0*	8	10	12	0.0	750n	200n	220m		1.5 Δ	45	65	1	F021	CB1
71	CC601	2	4		PCB	0.0	-6.0*	8	10	12	0.0	115n	90n	110n	480n	1.5 Δ	-45	65	1	F021	CB1
72	CC801	2	4		PCB	0.0	-6.0*	8	10	12	0.0					1.5 *	-20	55	1		CB13a
73	CI20	2H	4		PCB	0.0	-6.0*	2		120	12		500nt	800nt	3.2	1.5 *	-20	55	1		CB13a
74	CI21	2H	4		PCB	0.0	-6.0*	2		120	12		2.5u	500nt	3.0	1.5 *	-20	55	1		CB13a
75	CP20	2	4		PCB	0.0	-6.0*	6		120	12		2.5u	500nt	3.2	1.5 *	-20	55	1		CB13a
76	CP21	2	4		PCB	0.0	-6.0*	2	13	120	12	3.0u	2.5u	800nt	2.7		-20				

6. DECODERS

IN ORDER OF: (1)FROM (2)TO (3)LOGIC TYPE
(4)LOGIC '1' (5)LOGIC '0' (6)TYPE No.

LINE No.	TYPE No.	DECODES		3	PRO-CESS	LOGIC LEVEL		No. OF LINES		POWER SUPPLY SPAN	TRANSITION TIME (s)	RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS				
		1	2			LOGIC TYPE	4	5	IN							OUT	NEG (V)		POS (V)	LOW	HI	LOGIC DWG. No	OUTLINE DWG. No Δ=MO
		FROM	TO																				
1#	MIC5441BJ	2	4		MON	2.0%	80*	4	10	0.0	7.0			1.0	-55	125		F0229	M153a				
2#	MIC6441BJ	2	4		MON	2.0%	80*	4	10	0.0	7.0			1.0	-40	85	1	F0229	M153a				
3#	MIC7441BJ	2	4		MON	2.0%	80*	4	10	0.0	7.0			1.0	75	1	F0229	M153a					
4#	MIC5441AJ	2	4		MON	2.0%	80*	4	10	0.0	5.0			1.0 Δ	-55	125	1	F0229	M153a				
5	PD7441A	2	4		MON	2.0%	80*	4	10	0.0	7.0			1.0 Δ	0	75	1	F0229a	M153				
6	PD7442	2	4		MON	2.0%	80*	4	100	0.0	7.0	30n%		1.0 Δ	0	75	1	F0229a	M153				
7	PD7445	2	4		MON	2.0%	80*	4	10	0.0	7.0	50nΔ		1.0 Δ	0	75	1	F0179	M153				
8	PD74145	2	4		MON	2.0%	80*	4	10	0.0	7.0	50nΔ		1.0 Δ	0	75	1	F0179	M153				
9#	SFC441BE	2	4		MON	2.0%	80*	4	10	0.0	5.0			1.0 Δ	0	70	1	F0229	M117				
10	SN5441AJ	2	4		MON	2.0%	80*	4	10	0	5.0			1.0	-55	125	1	F0229	M117				
11	SN5441N	2	4		MON	2.0%	80*	4	10	0.0	5.0			1.0 Δ	0	70	1	F0229	M117				
12	SN7441AJ	2	4		MON	2.0%	80*	4	10	0.0	5.0			1.0 Δ	0	70	1	F0229	M153				
13	SN7441AN	2	4		MON	2.0%	80*	4	10	0.0	5.0			1.0 Δ	0	70	1	F0229	M117				
14	SN7441N	2	4		MON	2.0%	80*	4	10	0	7			1.0	0	70	1	F0229	M117				
15	SN7442W	2	4		MON	2.0%	80*	4	10	0.0	5.0			1.0	0	70	1	F179	TO84				
16	SN7445W	2	4		MON	2.0%	80*	4	10	0.0	5.0	50nΔ		1.0 Δ	0	70	1	F179	TO84				
17	SN54145N	2	4		MON	2.0%	80*	4	10	0.0	5.0	50nΔ		1.0 Δ	-55	125	1	F179	M117				
18	SN74145W	2	4		MON	2.0%	80*	4	10	0.0	5.0	50nΔ		1.0 Δ	0	70	1	F179	TO84				
19#	TL8442N	2	4		MON	2.0%	80*	4	10	0.0	5.0	35nΔ		1.0 Δ	-25	85	1	F0229a	M117u				
20#	TL84145N	2	4		MON	2.0%	80*	4	10	0.0	5.0	50nΔ		1.0 Δ	-25	85	1	F0229a	M117u				
21	D4026	2	4		PCB	2.0%	95*	4	16	0.0	5.0	120n%		1.0 Δ	0	75	1		CBZ				
22	D4046	2	4		PCB	2.0%	95*	5	120	0.0	5.0	80n%	50n	1.0 Δ	0	75	1		CBZ				
23	IDD2266	2	4		PCB	2.0%	1.1*	5	10	0.0	5.0	120n%		500m	0	75	1		CB51				
24	DD805	2	4		PCB	2.2%	70*	8	10	0.0	5.0	50n		400m	0	75	2		CBZ				
25	DD5412	2	4		PCB	2.6%	70*	9	10	0.0	5.0	30n		1.0	0	70	1		CB56				
26	DD31Z	2	4	4Δ	PCB	3.0	0.0	4	10	0.0	4.0	250n		900m	0	70	1		CB10a				
27	BIP9451	2	4	4Δ	3DM	5.0	0.0	8	1	12	200				0	70	1		M10				
28	K671	2	4		PCB	5.0	0.0	4	10	0.0	5.0			1.6	-20	65	1						
29	MS40	2	4		PCB	6.2	0.0	4	10	18	18			2.5	-30	100	1		CB25				
30	DO320	2	4	4%	MOH	6.3	0.0	5	18	0.0	6.0	225nΔ	100n	1.1	55	2	F0242	CB13					
31	IN800	2	4		PCM	8.0												F0222					
32	11G538	2	4		PCB	8.2	0.0	8	20	0.0	28	500n	200n	4.0	85	1	F0223	CB49					
33	UC6000	2	4		MOS	9.0%	3.0*	4	10	30	0.0	1.0u%	400n	1.7	-55	125	1	F0229b	FP34				
34	1161	2	4		PCB	-3.0	0.0	8	10	15	10			500m	-20	85	1	F0216	CBZ				
35	N124	2	4		3DM	-3.0	-11	8	10	12	0.0			2.7	-54	65	1		M64a				
36	N130	2	4		3DM	-3.0	-11	8	10	12	1.2			1.2	-54	65	1		M64a				
37	GA523	2	4		PCB	-6.0	0.0	10	2	12	6.0			1.2	-55	71		F0227					
38#	M58215P	2	4		MOS	-9.0%	-3.0*	4	4	30	3.0	2.0uΔ		100m	-10	75	1	F0240	M153b				
39	MC9760P	2	4		MON	55%	1.5*	4	4	0.0	3.6			115m	15	55	1	F0238	M154				
40	MC9860P	2	4		MON	55%	1.5*	4	4	0.0	3.6			115m	15	55	1	F0238	M154				
41	BDML	2	4		PCB	-1.0	0.0	8	10	12	12			600m	0	75	1	F0210b	CB19				
42	DLMND	2	4		PCB	-1.0	0.0	8	10	12	12			675m	0	50	1	F0210	CB19				
43	DNND	2	4		PCB	-1.0	0.0	8	10	12	12			525m	0	50	1	F0210a	CB19				
44	CT528-2	2	4		PCB	-1.1	-3.0	7	5	12	0.0			86m	-45	65	2		CB16				
45	SW4028A	2	4		MOS	5.0	0.0	7	10	0.0	5.0	250n		200m	-40	85	1	F0254	M117z				
46	TP4028B	2	4		CMS	7.0%	3.0*	4	10	0.0	10			400u%	2.0 *	-40	85	1	F0286	M117x			
47	TF4028AJ	2	4		CMS	7.1%	2.9*	4	10	0.0	10	150nΔ		6.0m%	-55	125	1	F0286	M153d				
48	TF4028AN	2	4		CMS	7.1%	2.9*	4	10	0.0	10	150nΔ		6.0m%	-55	125	1	F0286	M117x				
49	TP4028AJ	2	4		CMS	7.1%	2.9*	4	10	0.0	10	220nΔ		14m%	-40	85	1	F0286	M153d				
50	TP4028AN	2	4		CMS	7.1%	2.9*	4	10	0.0	10	220nΔ		14m%	-40	85	1	F0286	M117x				
51	SCL4028BD	2	4		CMS	9.95%	0.5**	4	10	0.0	10	100nΔ		100u%	3.0	-55	125	1	F0297	Δ001AE			
52	SCL4028BF	2	4		CMS	9.95%	0.5**	4	10	0.0	10	100nΔ		100u%	3.0	-55	125	1	F0297	Δ004AH			
53	HD1-4028A2	2	4		CMS	9.99%	0.1**	4	10	0.0	10	75nΔ	20n	100u%	4.5 Δ	-55	125	1	F0254	M200q			
54	HD1-4028A9	2	4		CMS	9.99%	0.1**	4	10	0.0	10	150nΔ	20n	1.0m%	4.5 Δ	-40	85	1	F0254	M200q			
55	HD9-4028A2	2	4		CMS	9.99%	0.1**	4	10	0.0	10	75nΔ	20n	100u%	4.5 Δ	-55	125	1	F0254	FP103			
56	HD9-4028A9	2	4		CMS	9.99%	0.1**	4	10	0.0	10	150nΔ	20n	1.0m%	4.5 Δ	-40	85	1	F0254	FP103			
57	SCL4028AC	2	4		CMS	9.99%	0.1**	4	10	0.0	10	75nΔ		100u%	4.5	-55	125	1	F0254	M475d			
58	SCL4028AD	2	4		CMS	9.99%	0.1**	4	10	0.0	10	75nΔ		100u%	4.5	-55	125	1	F0254	M475e			
59	SCL4028AE	2	4		CMS	9.99%	0.1**	4	10	0.0	10	75nΔ		100u%	4.5	-40	85	1	F0254	M475f			
60	SCL4028AF	2	4		CMS	9.99%	0.1**	4	10	0.0	10	75nΔ		100u%	4.5	-55	125	1	F0254	FP111			
61	SCL4028AH	2	4		CMS	9.99%	0.1**	4	10	0.0	10	75nΔ		100u%	4.5	-55	125	1	F0254	FCZ			
62	CD4028AK	2	4		CMS	10	0.0	4	50	0.0	10	75nΔ		100u%	4.5 Δ	-55	125	1	F0254	Δ004AG			
63#	MIC380-1D	2	4*		DTL	MON	1.2Δ	4	10	0.0	12				-55	125	1	F0247	M200d				
64#	MIC380-1D1	2	4*		DTL	MON	1.2Δ	4	10	0.0	15				-55	125	1	F0247	M200d				
65#	MIC380-5D	2	4*		DTL	MON	1.2Δ	4	10	0.0	12				85	1	F0247	M200d					
66#	MIC380-5D1	2	4*		DTL	MON	1.2Δ	4	10	0.0	15				-30	70	1	F0247	M200d				
67#	MIC381-1D	2	4*		DTL	MON	1.2Δ	4	10	0.0	12				-55	125	1	F0247	M200d				
68#	MIC381-5D	2	4*		DTL	MON	1.2Δ	4	10	0.0	12				-30	85	1	F0247	M200d				
69#	MIC381-5D1	2	4*		DTL	MON	1.2Δ	4	10	0.0	15				-30	70	1	F0247	M200d				
70#	MIC382-1D	2	4Δ		DTL	MON	2.5Δ	4	10	0.0	12				-55	125	1	F0247	M200d				
71#	MIC382-1D1	2	4Δ		DTL	MON	2.5Δ	4	10	0.0	15				-55	125	1	F0247	M200d				
72#	MIC382-5D	2	4Δ		DTL	MON	2.5Δ	4	10	0.0	12				-30	85	1	F0247	M200d				
73#	MIC382-5D1	2	4Δ		DTL	MON	2.5Δ	4	10	0.0	15				-30	70	1	F0247	M200d				
74	TMDD1	2	4		DTL	PCB	3.3	8	10	5.0	5.0	18n		80m	1.0	0	70	1		CB53			
75	MC5441AL	2	4		TTL	MON	2.5**	4	10	0.0	5.0				-55	125	1	F0237	M191				
76	MC7441AP	2	4		TTL	MON	2.5**	4	10	0.0	5.0				0	70	1	F0237	M278				
77#	7442PC	2	4		TTL	MON	2.0%	80*	4	10	0.0	5.0	30nΔ		280m	0	70	1	F0233c	M562			
78	9352DC	2	4		TTL	MON	2.0%	80*	4	10	0.0	5.0	35nΔ		280m	0	70	1	F179	M200j			
79	9352DM	2	4		TTL	MON	2.0%	80*	4	10	0.0	5.0	35nΔ		280m	-55	125	1	F179	M200j			
80	9352FC	2	4		TTL	MON	2.0%	80*	4	10	0.0	5.0	35nΔ		280m	0	70	1	F179	FP47b			
81	74141PC	2	4		TTL	MON	2.0%	80*	4	10	0.0	5.0			55m	0	70						

6. DECODERS

IN ORDER OF: (1)FROM (2)TO (3)LOGIC TYPE
(4)LOGIC '1' (5)LOGIC '0' (6)TYPE No.

DIGITAL

LINE No.	TYPE No.	DECODES		LOGIC TYPE	PRO-CESS	LOGIC LEVEL		No. OF LINES		POWER SUPPLY SPAN	TRANSITION TIME (s)	MAX. RISE TIME (tr)		MAX. FALL TIME (tf) (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. °C		CKT PER MOD	DRAWINGS	
		1 FROM	2 TO			'1' (V)	'0' (V)	IN	OUT			NEG	POS				LOW	HI		LOGIC DWG. No	OUTLINE DWG. No
1	N74141B	2	4*	TTL	MON	2.0%	.80*	4	10	0.0	5.0				80ms	1.0 ↑	0	70	1	F0257	M317
2	N74145B	2	4*	TTL	MON	2.0%	.80*	4	10	0.0	5.0				350ms	1.0 ↑	0	70	1	F0243	M317
3	NC7441AN	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0					1.0 Δ	0	70	1	F0229	TO116
4	NC7442N	2	4	TTL	MON	2.0%	.80*	4	10	0.0	7.0				140mt	1.0 Δ	0	70	1	F0229a	TO116
5	S5442B	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				205ms	1.0 ↑	-55	125	1	F0243	M317
6	S8251E	2	4	TTL	MON	2.0	.80	4	10	0.0	5.0				135m		-55	125	1	F0125a	M153a
7	S8251R	2	4	TTL	MON	2.0	.80	4	10	0.0	5.0				135m		-55	125	1	F0125a	FP79a
8	S8252E	2	4	TTL	MON	2.0	.80	4	10	0.0	5.0						-55	125	1	F0125a	M153a
9	S8252R	2	4	TTL	MON	2.0	.80	4	10	0.0	5.0						-55	125	1	F0125a	FP79a
10	SN5442N	2	4	TTL	MON	2.0%	.80*	4	100	0	7				140mt	1.0 Δ	-55	125	1	F0229a	M117
11	SN5445N	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				215mt	1.0 Δ	-55	125	1	F179	M117
12#	SN6442N	2	4	TTL	MON	2.0%	.80*	4	10	0.0	7.0					1.0	-40	85	1	F0229	M117
13	SW7441AJ	2	4Δ	TTL	MON	2.0%	.80*	4	10	0.0	5.0				221m		0	70	1	F0229	M200
14	SW7441AN	2	4Δ	TTL	MON	2.0%	.80*	4	10	0.0	5.0				221m		0	70	1	F0229	M117
15	SW7442N	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.2				140m	1.0	0	70	1	F0229a	M117
16	SW7445J	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				215mt	1.0 Δ	0	70	1	F179	M153
17	SW7445N	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				215mt	1.0 Δ	0	70	1	F179	M117
18	SW74141J	2	4	TTL	MON	2.0%	.80*	4		0.0	5.0				55mf		0	70	1	F0229	M117
19	SW74141N	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.2				84mf		0	70	1	F0258	M117
20	SW74145J	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				215mt	1.0 Δ	0	70	1	F179	M153
21	SW74145N	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				215mt	1.0 Δ	0	70	1	F179	M117
22#	T7441AB1	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				210ms	1.0 Δ	0	70	1	F0233a	M267
23#	T7441AD1	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				210ms	1.0 Δ	0	70	1	F0233a	M200m
24#	T7441AD2	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				210ms		-55	125	1	F0233a	M200m
25#	T7442B1	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				140mt	1.0 Δ	0	70	1	F179	M267c
26#	T7442D1	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				140mt	1.0 Δ	0	70	1	F179	M200y
27#	T7442D2	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				140mt	1.0 Δ	-55	125	1	F179	M200y
28#	TL7442N	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				294mf		0	70	1	F0229a	M117u
29#	TL7445N	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				367mf		0	70	1	F0229a	M117u
30#	TL74141N	2	4	TTL	MON	2.0%	.80*	4		0.0	5.0				131mf		0	70	1	F0229	M117u
31#	TL74145N	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				367mf		0	70	1	F0229a	M117u
32	US5441A	2	4	TTL	MON	2.0%	.80*	4	10	0.0	7.0					1.0	-55	125	1	F0229	M117g
33	US5442A	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				35nΔ	1.0 Δ	-55	125	1	F0229a	M117g
34	US5445A	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				215mt	1.0 Δ	-55	125	1	F0229a	M117g
35	US7441A	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				105mf		0	70	1	F0229	M117g
36	US7442A	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				140mt	1.0 Δ	0	70	1	F0229a	M117g
37	US7445A	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				215mt	1.0 Δ	0	70	1	F0229a	M117g
38	US54145A	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				215mt	1.0 Δ	-55	125	1	F0229a	M117g
39	US74145A	2	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0				215mt	1.0 Δ	0	70	1	F0229a	M117g
40#	7441PC	2	4	TTL	MON	2.0%	.85*	4	10	0.0	5.0				155m		0	70	1	F0233a	M562
41	MC7442P	2	4	TTL	MON	2.4%	.40*†	4	10	0.0	5.0				140mt	1.0	0	70	1	F0243	M278
42	MC8301F	2	4	TTL	MON	2.4%	.40*†	4	10	0.0	5.0				125mf		0	75	1	F0246	FP85
43	MC8352L	2	4	TTL	MON	2.4%	.40*†	4	10	0.0	5.0				140mt		0	75	1	F0243	M191
44	MC8352P	2	4	TTL	MON	2.4%	.40*†	4	10	0.0	5.0				140mt		0	75	1	F0243	M278
45	MC9301F	2	4	TTL	MON	2.4%	.40*†	4	10	0.0	5.0				125mf		-55	125	1	F0246	FP85
46	MC9352L	2	4	TTL	MON	2.4%	.40*†	4	10	0.0	5.0				140mt		-55	125	1	F0243	M191
47	N82552B	2	4	TTL	MON	2.6%	.40*†	4	10	0.0	5.0				450m		0	75	1	F0246	M317
48	N8251B	2	4	TTL	MON	2.6%	.40†	4	8	0.0	5.0				135m		0	75	1	F0125a	M117h
49	S82552B	2	4	TTL	MON	2.6%	.40*†	4	10	0.0	5.0				450m		-55	125	1	F0246	M317
50	S82552F	2	4	TTL	MON	2.6%	.40*†	4	10	0.0	5.0				450m		-55	125	1	F0246	M200v
51	381MK	2	4	TTL	MON	3.4%	.80*	1	8	0.0	1.5				465m		-55	125	1	F02115	M200j
52#	ZN7441AE	2	4	TTL	MON	3.5	.20	7	10	0.0	5.0				10m		0	70	1		M126
53	T628	2	4	1.0k	3DM	-3.0	-11	7	5	12	0				43m		-45	65	1	F026	M17
54	4671	2	4†	500k	PCB	0.0	-3.0	8	10	15	10				400m	500m	-20	55	1	F0216	CBZ
55	4673	2	4Δ	500k	PCB	0.0	-3.0	8	10	15	10				140m	500m	-20	55	1	F0216	CBZ
56	CC701	2	4	500k	PCB	0.0	-6.0	8	10	12	0				340m	1.5 Δ	-45	65	1	F021	CB1
57	4161	2	4	500k	PCB	-3.0	0.0	8	10	15	10				1.7	500m	-20	55	1	F0216a	CB1
58	PL4G02	2	4	500k	MOS	-3.0*	-9.0%	4	10	24	0				100m	1.0	-55	85	1	F0219	FP34
59	OD335	2	8		MOH	6.3*	1.1*	20		6.3					700m	1.3	0	55	1	F021	CB31
60#	MIC9311-1D	2	18		MON	1.7%	.90*	4	16	0.0	5.0				175m		-55	125	1	F0232	
61#	T159D2	2	18		MON	1.7%	.90*	6		0.0	5.0				175mf		-55	125	1	F0245	M199
62#	MIC9311-5D	2	18		MON	1.8%	.85*	4	16	0.0	5.0				175mf		0	75	1	F0232	
63#	T159D1	2	18		MON	1.8%	.85*	6		0.0	5.0				175mf		0	75	1	F0245	M199
64#	FJB93L11	2	18		MON	2.0%	.70*	6	10	0.0	5.0				58mf		0	70	1	F0232	M186b
65	5700	2	18		PCB	2.0%	.80*			0.0	5.0				450m		0	75	1		CBZ
66	5701	2	18		PCB	2.0%	.80*			0.0	5.0				250m		0	75	1		CBZ
67	5702	2	18		MON	2.0%	.80*			0.0	5.0				450m		0	75	1		FPZ
68	5703	2	18		MON	2.0%	.80*			0.0	5.0				250m		0	75	1		FPZ
69	5704	2	18		MON	2.0%	.80*			0.0	5.0				450m		0	75	1		MZ
70	5800	2	18		MON	2.0%	.80*			0.0	5.0				250m		0	70	1		M75
71#	FJB9311	2	18		MON	2.0%	.80*	6	10	0.0	5.0				175mf		0	70	1	F0232	M186b
72#	SFC447AE	2	18		MON	2.0%	.80*	7	12	0.0	5.0				265mf		0	70	1	F1710	M117
73	SN7446W	2	18		MON	2.0%	.80*	7	12	0.0	5.0				100nΔ	1.0 Δ	0	70	1	F1710	TO84
74	SN7447W	2	18		MON	2.0%	.80*	7	12	0.0	5.0				100nΔ	1.0 Δ	0	70	1	F1710	TO84
75	SN7448W	2	18		MON	2.0%	.80*	7	4	0.0	5.0				100nΔ	1.0 Δ	0	70	1	F1710a	TO84
76	SN74154W	2	18		MON	2.0%	.80*	6	16	0.0	5.0				294m%		0	75	1	F0130	TO84

6. DECODERS

IN ORDER OF: (1)FROM (2)TO (3)LOGIC TYPE
(4)LOGIC '1' (5)LOGIC '0' (6)TYPE No.

LINE No.	TYPE No.	DECODES		LOGIC TYPE	PRO-CESS	LOGIC LEVEL		No. OF LINES		POWER SUPPLY SPAN		TRAN-SITION TIME (s)	MAX. TIME		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ = No
		1 FROM	2 TO			1	0	IN	OUT	NEG	POS		RISE TIME tr (s)	FALL TIME tf (s)			LOW	HI			
		(V)	(V)			(V)	(V)	(V)	(V)	(V)	(V)		(s)	(s)			°C	°C			
1	9LS42PC	2	18	TTL	MON	2.0%	.80*	4	10	0.0	5.0	19nt			80m%	0	75	1	F0243	M267b	
2	74LS42FC	2	18	TTL	MON	2.0%	.80*	4	10	0.0	5.0	19nt			60m%	0	75	1	F0243	FP47b	
3	9301FC	2	18	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35ntΔ			145m%	400m	0	75	1	F0233	FP47b
4	9302DC	2	18	TTL		2.0%	.80*	4	10	0.0	5.0				145m%	0	75	1	F0246	M200	
5	9302DM	2	18	TTL		2.0%	.80*	4	10	0.0	5.0				145m%	-55	125	1	F0246	M200	
6	9302FC	2	18	TTL	MON	2.0%	.80*	4	10	0.0	5.0				145m%	0	75	1	F0246	FP47b	
7	9345DC	2	18	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50ntΔ			215m%	0	75	1	F179	M200	
8	9345DM	2	18	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50ntΔ			215m%	-55	125	1	F179	M200	
9	9345FC	2	18	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50ntΔ			215m%	0	75	1	F179	FP47b	
10	9345FM	2	18	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50ntΔ			215m%	-55	125	1	F179	FP47b	
11	93145DC	2	18	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50ntΔ			215m%	0	75	1	F179	M200	
12	93145DM	2	18	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50ntΔ			215m%	-55	125	1	F179	M200	
13	93145FC	2	18	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50ntΔ			215m%	0	75	1	F179	FP47b	
14	93145FM	2	18	TTL	MON	2.0%	.80*	4	10	0.0	5.0	50ntΔ			215m%	-55	125	1	F179	FP47b	
15#	MIC7446AN	2	18	TTL	MON	2.0%	.80*	7	8	0.0	5.0	100nΔ			265m%	0	75	1	F1710	M117ab	
16#	MIC7446N	2	18	TTL	MON	2.0%	.80*	7	8	0.0	5.0	100nΔ			265m%	0	75	1	F1710	M117ab	
17#	MIC7447AN	2	18	TTL	MON	2.0%	.80*	7	8	0.0	5.0	100nΔ			265m%	0	75	1	F1710	M117ab	
18#	MIC7447N	2	18	TTL	MON	2.0%	.80*	7	8	0.0	5.0	100nΔ			265m%	0	75	1	F1710	M117ab	
19#	MIC7448N	2	18	TTL	MON	2.0%	.80*	7	8	0.0	5.0	100nΔ			265m%	0	75	1	F1710a	M117ab	
20	SN54L154N	2	18	TTL	MON	2.0%	.80*	6	10	0.0	5.0	36nt			85m%	-55	125	1	F0130	M186	
21	SN5446N	2	18	TTL	MON	2.0%	.80*	7	12	0.0	5.0	100nΔ			265m%	1.0 Δ	-55	125	1	F1710	M117
22	SN5447N	2	18	TTL	MON	2.0%	.80*	7	12	0.0	5.0	100nΔ			265m%	1.0 Δ	-55	125	1	F1710	M117
23	SN5448N	2	18	TTL	MON	2.0%	.80*	7	4	0.0	5.0	100nΔ			265m%	1.0 Δ	-55	125	1	F1710a	M117
24	T54S138F	2	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	12ntΔ			370m%	-55	125	1	F0277	FP101	
25	T54S138J	2	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	12ntΔ			370m%	-55	125	1	F0277	M352	
26	T54S139F	2	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	12ntΔ			450m%	-55	125	1	F0278	FP101	
27	T54S139J	2	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	12ntΔ			450m%	-55	125	1	F0278	M352	
28	T74S138F	2	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	12ntΔ			370m%	0	70	1	F0277	FP101	
29	T74S138J	2	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	12ntΔ			370m%	0	70	1	F0277	M352	
30	T74S139F	2	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	12ntΔ			450m%	0	70	1	F0278	FP101	
31	T74S139J	2	18	TTL	MON	2.0%	.80*	6	8	0.0	5.0	12ntΔ			450m%	0	70	1	F0278	M352	
32#	TL74154N	2	18	TTL	MON	2.0%	.80*	6	15	0.0	5.0	36ntΔ			294m%	0	70	1	F0249	M186	
33	MIC9301-1D	2	18	TTL	MON	2.4%	.40*	4	10	0.0	5.0				145m%	-55	125	1	F0233	M153a	
34	MIC9301-5D	2	18	TTL		2.4%	.45*	4	10	0.0	5.0				145m%	0	75	1	F0233	M153a	
35#	FJB9357	2	20		MON	2.0%	.80*	7	7	0.0	5.0	100nΔ			515m%	0	70	1	F1710a	M210a	
36#	M53246P	2	20		MON	2.0%	.80*	7	7	0.0	7.0	100nΔ			265m%	1.0 Δ	0	75	1	F1710	M153b
37	SN54246N	2	20		MON	2.0%	.80*	7	7	0.0	5.0	100nΔ			320m%	1.0 Δ	-55	125	1	F0260	M117
38	SN54247N	2	20		MON	2.0%	.80*	7	7	0.0	5.0	100nΔ			320m%	1.0 Δ	-55	125	1	F0260	M117
39	SN54248N	2	20		MON	2.0%	.80*	7	7	0.0	5.0	100nΔ			320m%	1.0 Δ	-55	125	1	F0244	M117
40	SN54249N	2	20		MON	2.0%	.80*	7	7	0.0	5.0	100nΔ			320m%	1.0 Δ	-55	125	1	F0244	M117
41	SN74246W	2	20		MON	2.0%	.80*	7	7	0.0	5.0	100nΔ			265m%	1.0 Δ	0	70	1	F0260	Δ004AG
42	SN74247W	2	20		MON	2.0%	.80*	7	7	0.0	5.0	100nΔ			265m%	1.0 Δ	0	70	1	F0260	Δ004AG
43	SN74248W	2	20		MON	2.0%	.80*	7	7	0.0	5.0	100nΔ			265m%	1.0 Δ	0	70	1	F0244	Δ004AG
44	SN74249W	2	20		MON	2.0%	.80*	7	7	0.0	5.0	100nΔ			265m%	1.0 Δ	0	70	1	F0244	Δ004AG
45#	FZL115	2	20		MON	7.5	4.5	7	7	0.0	16				650M	5.0 Δ	-25	85			
46	CD4055AH	2	20*		MOS	10	0.0†	5	8	0.0	5.0	40n			200m	2.2 Δ	-55	125	1	F0270	CH6b
47	CD4056AH	2	20*		MOS	10	0.0†	6	8	0.0	5.0	40n			200m	2.2 Δ	-55	125	1	F0271	CH6b
48	HD1-14511-2	2	20		MOS	10	0.0					15			100m	3.0	-55	125	1		
49	HD1-14511-9	2	20		MOS	10	0.0					15			100m	3.0	-40	85	1		
50	HD9-14511-2	2	20		MOS	10	0.0					15			100m	3.0	-55	125	1		
51	HD9-14511-9	2	20		MOS	10	0.0					15			100m	3.0	-40	85	1		
52	CD2500E	2	20	CMS	MON	2.0%	.85*Δ	4	7	50	5.5					0	75	1		Δ001AC	
53	CD2501E	2	20	CMS	MON	2.0%	.85*Δ	4	7	50	5.5					0	75	1		Δ001AC	
54	CD2502E	2	20	CMS	MON	2.0%	.85*Δ	4	7	50	5.5					0	75	1		Δ001AC	
55	CD2503E	2	20	CMS	MON	2.0%	.85*Δ	4	7	50	5.5					0	75	1		Δ001AC	
56	CM4117AD	2	20*		CMS	MOS	5.0	3.5	22	0.0	7.0					-55	125	1	F0281	M2	
57	CM4117AE	2	20*		CMS	MOS	5.0	3.5	22	0.0	7.0					-40	85	1	F0281	M2	
58	CM4117AF	2	20*		CMS	MOS	5.0	3.5	22	0.0	7.0					-55	125	1	F0281	FP2	
59	CD4511BK	2	20		CMS	MOS	9.91%	.05†	4	7	0.0	10	185nΔ		100u%	3.0	-55	125	1	F0289	Δ004AG
60	SCL4511BD	2	20		CMS	MOS	9.95%	.05†	7	7	0.0	10	2.0uΔ		100u%	3.0	-55	125	1	F0298	Δ001AE
61	SCL4511BF	2	20		CMS	MOS	9.95%	.05†	7	7	0.0	10	2.0uΔ		100u%	3.0	-55	125	1	F0298	Δ004AH
62	SCL4543BD	2	20		CMS	MOS	9.95%	.05†	7	7	0.0	10	100nΔ		100u%	3.0	-55	125	1	F0276	Δ001AE
63	SCL4543BF	2	20		CMS	MOS	9.95%	.05†	7	7	0.0	10	100nΔ		100u%	3.0	-55	125	1	F0276	Δ004AH
64	SCL4511AC	2	20		CMS	MOS	9.99%	.01†	7	7	0.0	10	1.0u%		100u%	4.5	-55	125	1	F0273	M475d
65	SCL4511AD	2	20		CMS	MOS	9.99%	.01†	7	7	0.0	10	1.0u%		100u%	4.5	-55	125	1	F0273	M475e
66	SCL4511AE	2	20		CMS	MOS	9.99%	.01†	7	7	0.0	10	1.0u%		100u%	4.5	-40	85	1	F0273	M475f
67	SCL4511AF	2	20		CMS	MOS	9.99%	.01†	7	7	0.0	10	1.0u%		100u%	4.5	-55	125	1	F0273	FP111
68	SCL4511AH	2	20		CMS	MOS	9.99%	.01†	7	7	0.0	10	1.0u%		100u%	4.5	-55	125	1	F0273	FC2
69	CD4055AD	2	20*		CMS	MOS	10	0.0†	5	8	0.0	5.0	40n		200m	2.2 Δ	-55	125	1	F0270	Δ001AE
70	CD4055AE	2	20*		CMS	MOS	10	0.0†	5	8	0.0	5.0	40n		200m	2.2 Δ	-40	85	1	F0270	Δ001AC
71	CD4055AK	2	20*		CMS	MOS	10	0.0†	5	8	0.0	5.0	40n		200m	2.2 Δ	-55	125	1	F0270	Δ004AG
72	CD4056AD	2	20*		CMS	MOS	10	0.0†	6	8	0.0	5.0	40n		200m	2.2 Δ	-55	125	1	F0271	Δ001AE
73	CD4056AE	2	20*		CMS	MOS	10	0.0†	6	8	0.0	5.0	40n		200m	2.2 Δ	-40	85	1	F0271	Δ001AC
74	CD4056AK	2	20*		CMS	MOS	10	0.0†	6	8	0.0	5.0	40n		200m	2.2 Δ	-55	125	1	F0271	Δ004AG
75	MC8359F	2	20	TTL	MON		.40*†	5	6	0.0	5.0				165m%	0	75	1	F0248	TO86	
76	MC9359F	2	20	T																	

6. DECODERS

IN ORDER OF: (1)FROM (2)TO (3)LOGIC TYPE
(4)LOGIC '1' (5)LOGIC '0' (6)TYPE No.

DIGITAL

LINE No.	TYPE No.	DECODES			LOGIC TYPE	PRO-CESS	LOGIC LEVEL		No. OF LINES		POWER SUPPLY SPAN (V)	TRANSITION TIME (s)	MAX. RISE TIME (s)	MAX. FALL TIME (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ = No		
		1 FROM	2 TO	3			4 '1' (V)	5 '0' (V)	IN	OUT							NEG	POS				LOW	HI
																							°C
1	SW7447AN	2	20	TTL	MON	2.0%	.80*	7	7	0.0	5.0	100nΔ			265m	1.0 Δ	0	70	1	F1710a	M117		
2	SW7447J	2	20	TTL	MON	2.0%	.80*	7	7	0.0	5.0	100nΔ			265m	1.0 Δ	0	70	1	F1710a	M153		
3	SW7447N	2	20	TTL	MON	2.0%	.80*	7	7	0.0	5.0	100nΔ			265m	1.0 Δ	0	70	1	F1710a	M117		
4	SW7448J	2	20	TTL	MON	2.0%	.80*	4	7	0.0	5.0	100nΔ			265m	1.0 Δ	0	70	1	F1710	M153		
5	SW7448N	2	20	TTL	MON	2.0%	.80*	4	7	0.0	5.0	100nΔ			265m	1.0 Δ	0	70	1	F1710	M117		
6	TL7446AN	2	20	TTL	MON	2.0%	.80*	7	7	0.0	5.0	100nΔ			540m	1.0 Δ	0	70	1	F1710a	M117u		
7#	TL7447AN	2	20	TTL	MON	2.0%	.80*	7	7	0.0	5.0	100nΔ			540m	1.0 Δ	0	70	1	F1710a	M117u		
8#	TL7448N	2	20	TTL	MON	2.0%	.80*	7	7	0.0	5.0	100nΔ			472m	1.0 Δ	0	70	1	F1710	M117u		
9	US5446A	2	20	TTL	MON	2.0%	.80*	4	7	0.0	5.0	100nΔ				1.0 Δ	-55	125	1	F1710	M117g		
10	US5447A	2	20	TTL	MON	2.0%	.80*	4	7	0.0	5.0	100nΔ				1.0 Δ	-55	125	1	F1710	M117g		
11	US5448A	2	20	TTL	MON	2.0%	.80*	4	7	0.0	5.0	100nΔ				1.0 Δ	-55	125	1	F1710a	M117g		
12	US7446A	2	20	TTL	MON	2.0%	.80*	4	7	0.0	5.0	100nΔ				1.0 Δ	0	70	1	F1710	M117g		
13	US7447A	2	20	TTL	MON	2.0%	.80*	4	7	0.0	5.0	100nΔ				1.0 Δ	0	70	1	F1710	M117g		
14	US7448A	2	20	TTL	MON	2.0%	.80*	4	7	0.0	5.0	100nΔ				1.0 Δ	0	70	1	F1710a	M117g		
15	MC7446P	2	20†	TTL	MON	2.4%	.40†	6	7	0.0	5.0				265m	1.0 Δ	0	70	1	F0244	M278		
16	MC7447P	2	20†	TTL	MON	2.4%	.40†	6	7	0.0	5.0				265m	1.0 Δ	0	70	1	F0244	M278		
17	MC7448P	2	20	TTL	MON	2.4%	.40†	7	7	0.0	5.0				265m	1.0 Δ	0	70	1	F0244	TO116		
18	MC8358L	2	20	TTL	MON	2.4%	.40†	7	9	0.0	5.0				265m	1.0 Δ	0	75	1	F0244	M191		
19	MC8358P	2	20	TTL	MON	2.4%	.40†	7	9	0.0	5.0				265m	1.0 Δ	0	75	1	F0244	M278		
20	MC9358L	2	20	TTL	MON	2.4%	.40†	7	9	0.0	5.0				265m	1.0 Δ	-55	125	1	F0244	M191		
21#	M58214P	2	22		MOS	-9.0%	-3.0*	5	9	30	30	2.0uΔ			100m	1.0 Δ	-10	75	1	F0239	M153b		
22#	M58217P	2	22		MOS	-9.0%	-3.0*	5	9	30	30	2.0uΔ			100m	1.0 Δ	-10	75	1	F0241	M153b		
23#	M58229P	2	22		MOS	-9.0%	-3.5*	5	8	30	30	3.6uΔ			150m	1.0 Δ	-10	75	1	F0263	M117s		
24#	M58239P	2	22		MOS	-9.0%	-3.5*	5	8	30	30	3.6uΔ			150m	1.0 Δ	-10	75	1	F0264	M117s		
25#	M58240P	2	22		MOS	-9.0%	-3.5*	5	8	30	30	3.6uΔ			150m	1.0 Δ	-10	75	1	F0265	M117s		
26#	DN822	4	2		MON					0.0	15				200m	700m	0	75	1	C0324	M200m		
27#	SN7443W	5	4		MON	2.0%	.80*	4	10	0.0	7.0	30n%			140m	1.0 Δ	0	70	1	F0229a	TO84		
28#	7443PC	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	30nΔ			280m	1.0 Δ	0	70	1	F0233c	M562		
29	9353DC	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nΔ			280m	1.0 Δ	0	70	1	F055	M200j		
30	9353DM	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nΔ			280m	1.0 Δ	-55	125	1	F055	M200j		
31	9353FC	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nΔ			280m	1.0 Δ	0	70	1	F055	FP47b		
32	9353FM	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nΔ			280m	1.0 Δ	-55	125	1	F055	FP47b		
33#	MIC5443J	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	25n			140m	400m	-55	125	1	F0233c	M153a		
34#	MIC6443J	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	25n			140m	400m	-40	85	1	F0233c	M153a		
35#	MIC7443J	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	25n			140m	400m	0	75	1	F0233c	M153g		
36#	MIC7443N	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	25n			140m	400m	0	75	1	F0233c	M117ab		
37	N7443B	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nΔ			280m	1.0 †	0	70	1	F053	M317		
38	S5443B	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nΔ			205m	1.0 †	-55	125	1	F053	M317		
39	SN54L43J	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	70nΔ			70m	1.0 Δ	-55	125	1	F052	M153d		
40	SN74L43J	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	70nΔ			70m	1.0 Δ	0	70	1	F052	M153d		
41	SN74L43N	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	70nΔ			70m	1.0 Δ	0	70	1	F052	M117x		
42	SN5443N	5	4	TTL	MON	2.0%	.80*	4	100	0	7	30n%			140m	1.0 Δ	-55	125	1	F0229a	M117		
43#	SN6443N	5	4	TTL	MON	2.0%	.80*	4	100	0	7.0	30n%			140m	1.0 Δ	-40	85	1	F0229a	M117		
44	SW7443J	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.2	30n%			140m	1.0	0	70	1	F0229a	M153b		
45	SW7443N	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.2	30n%			140m	1.0	0	70	1	F0229a	M117		
46#	T7443B1	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nΔ			140m	1.0 Δ	0	70	1	F0229a	M117		
47#	T7443D1	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nΔ			140m	1.0 Δ	0	70	1	F053	M267c		
48#	T7443D2	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nΔ			140m	1.0 Δ	-55	125	1	F053	M200y		
49#	TL7443N	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nΔ			294m	1.0 †	0	70	1	F0229a	M117u		
50	US5443A	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nΔ			140m	1.0 Δ	-55	125	1	F0229a	M117g		
51	US5444A	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nΔ			140m	1.0 Δ	-55	125	1	F0229a	M117g		
52	US7443A	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nΔ			140m	1.0 Δ	0	70	1	F0229a	M117g		
53	US7444A	5	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nΔ			140m	1.0 Δ	0	70	1	F0229a	M117g		
54	MC7443P	5	4	TTL	MON	2.4%	.40†	4	10	0.0	5.0				140m	1.0	0	70	1	F053	M278		
55	MC8353L	5	4	TTL	MON	2.4%	.40†	4	10	0.0	5.0	10n†			140m	1.0	0	75	1	F053	M191		
56	MC8353P	5	4	TTL	MON	2.4%	.40†	4	10	0.0	5.0	10n†			140m	1.0	0	75	1	F053	M278		
57	MC9353L	5	4	TTL	MON	2.4%	.40†	4	10	0.0	5.0	10n†			140m	1.0	-55	125	1	F053	M191		
58	5443ADM	6	18	TTL	MON	2.0%	.80*	4	10	0.0	5.0		25n	25n		1.0	-55	125	1	F0243	M561		
59	RM8422	6	4		3DM	0.0	-12	8†	10							0	55	1	F061	M3			
60	RM8422A	6	4		3DM	0.0	-12	8†	10							0	55	1	F061a	M3			
61	SN7444W	6	4		MON	2.0%	.80*	4	10	0.0	7.0	30n%			140m	1.0 Δ	0	70	1	F0229a	TO84		
62#	MIC5444J	6	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	25n			140m	400m	-55	125	1	F0233c	M153g		
63#	MIC6444J	6	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	25n			140m	400m	-40	85	1	F0233c	M153a		
64#	MIC7444J	6	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	25n			140m	400m	0	75	1	F0233c	M153g		
65#	MIC7444N	6	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	25n			140m	400m	0	75	1	F0233c	M117ab		
66	SN5444N	6	4	TTL	MON	2.0%	.80*	4	100	0	7	30n%			140m	1.0 Δ	-55	125	1	F0229a	M117		
67#	SN6444N	6	4	TTL	MON	2.0%	.80*	4	100	0	7.0	30n%			140m	1.0 Δ	-40	85	1	F0229a	M117		
68	5444ADM	6	18	TTL	MON	2.0%	.80*	4	10	0.0	5.0		25n	25n		55	125	1	F0243	M561			
69	7443ADC	6	18	TTL	MON	2.0%	.80*	4	10	0.0	5.0		25n	25n		0	70	1	F0243	M561			
70	7443APC	6	18	TTL	MON	2.0%	.80*	4	10	0.0	5.0		25n	25n		0	70	1	F0243	M562			
71	7444ADC	6	18	TTL	MON	2.0%	.80*	4	10	0.0	5.0		25n	25n		0	70	1	F0243	M561			
72	7444APC	6	18	TTL	MON	2.0%	.80*	4	10	0.0	5.0		25n	25n		0	70	1	F0243	M562			
73	OD5414	8	18		PCB	2.6%	.70*	7	8	0.0	5.0	30n				1.0	0	70	1	F177	CB56		
74	ND330	17	Δ		PCB</																		

6. DECODERS

IN ORDER OF: (1)FROM (2)TO (3)LOGIC TYPE
(4)LOGIC '1' (5)LOGIC '0' (6)TYPE No.

LINE No.	TYPE No.	DECODES		LOGIC TYPE	PRO-CESS	LOGIC LEVEL		No. OF LINES		POWER SUPPLY SPAN	TRAN-SITION TIME (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS			
		1 FROM	2 TO			4 '1' (V)	5 '0' (V)	IN	OUT							NEG (V)	POS (V)		LOW °C	HI °C	LOGIC DWG. No	OUTLINE DWG. No Δ=MO
1	S5444B	21	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nΔ		205ms	1.0 Δ	-55	125	1	F211	M317		
2	SN54L44J	21	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	70nΔ		70mΔ	1.0 Δ	-55	125	1	F211	M153d		
3	SN74L44J	21	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	70nΔ		70mΔ	1.0 Δ	0	70	1	F211	M153d		
4	SN74L44N	21	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	70nΔ		70mΔ	1.0 Δ	0	70	1	F211	M117x		
5	SW7444J	21	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nΔ		140mΔ	1.0 Δ	0	70	1	F0229a	M153		
6	SW7444N	21	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nΔ		140mΔ	1.0 Δ	0	70	1	F0229a	M153		
7#	T7444B1	21	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nΔ		140mΔ	1.0 Δ	0	70	1	F211	M200y		
8#	T7444D1	21	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nΔ		140mΔ	1.0 Δ	0	70	1	F211	M200y		
9#	T7444D2	21	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nΔ		140mΔ	1.0 Δ	-55	125	1	F211	M200y		
10#	TL7444N	21	4	TTL	MON	2.0%	.80*	4	10	0.0	5.0	35nΔ		294mΔ	1.0	0	70	1	F0229a	M117u		
11	MC7444P	21	4	TTL	MON	2.4%	.40*†	4	10	0.0	5.0	10nΔ		140mΔ	0	0	70	1	F211	M278		
12	MC8354L	21	4	TTL	MON	2.4%	.40*†	4	10	0.0	5.0	10nΔ		140mΔ	0	0	75	1	F211	M191		
13	MC8354P	21	4	TTL	MON	2.4%	.40*†	4	10	0.0	5.0	10nΔ		140mΔ	0	0	75	1	F211	M278		
14	MC9354L	21	4	TTL	MON	2.4%	.40*†	4	10	0.0	5.0	10nΔ		140mΔ	0	-55	125	1	F211	M191		
15	SN54LS138N	23	18	TTL	MON	2.0%	.70*	5	5	0.0	5.0	22n		32mΔ	-55	125	1	F231	M117x			
16	SN74LS138W	23	18	TTL	MON	2.0%	.80*	5	5	0.0	5.0	22n		32mΔ	0	70	1	F231	Δ004AG			

DIGITAL

10. TIME DELAYS

IN ORDER OF: (1)TYPE TIME DELAY (2)LOG. TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	TYPE No.	TIME DELAY TYPE	MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC LEVEL			FAN IN		POWER SUPPLY SPAN		MIN. DELAY (s)	MAX. RISE TIME		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					3	4	2	IN	OUT MAX.	NEG. (V)	POS. (V)		tr (s)	tf (s)			LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No
1	SSD15		25k	3DM	6.0	0.0	RTL	1	4	12	12	200n	2.0u	500n	100m	1.0	0	65			
2	22338	1	1.0M							12	12	10m	80n	80n			0	55	1	CB42	
3	A22266	1	1.0M							12	12	5.0m	80n	80n			0	55	1	CB43	
4	A22271	1	1.0M							12	12	1.5m					0	55	1	CB45	
5	A22272	1	1.0M							12	12	4.0m					0	55	1	CB40	
6	A22286	1	1.0M							12	12	2.0m	80n	80n			0	55	1	CB41	
7	A22467	1	1.0M							12	12	1.0m	80n	80n			0	55	1	CB44	
8	A22541	1	1.0M							12	12	1.0m	80n	80n			-5	71	1	CB44	
9	SS210	1	1.0MΔ	PCB	0.0	-11		2	12	12	6.0				460m		-10	55	1	JO15	
10	A22281	1	1.0M		-6.0					12	12	2.0m	150n	150n			0	50	1	CB45	
11	B664	1	1.0k	PCB	0.0	-6.0	DTL	1	4	12	6.0			180m	2.0	-15	60	1	JO12		
12	B665	1	1.0k	PCB	0.0	-6.0	DTL	1	4	12	6.0			220m	2.0	-15	60	1	JO13		
13	MC06	1	1.0M	PCB	0.0	-6.2	DTL	10	30	18	18		100n	100n	5.7	2.5 *	0	55	1	CB25	
14#	FLH645	1	1.0M	MON	2.0%	.80	TTL	2†	30	0.0	5.0	260nΔ				1.0 Δ	-25	85	6	M117	
15#	GDL1	1	FG 1.0M	PCB	-10	0.0	TTL	8	9	12	6.0		250m	200n	1.6	1.5	0	55	1	CB15	
16	B310	2	10M	PCB	0.0	-3.0		1		0	0	12n					-20	65	4	CB31a	
17	TD335	2	5.0	MOH	6.3	0.0	DTL	4	16	0.0	6.0	6.0n		900m		0	55	11	JO2-1		
18	1310	2G	5.0M	PCB	-3.0	0.0	DCT	1Δ	10	0.0	10	70n		21m	500m	-20	55	1	JO21		
19	1311	2G	5.0M	PCB	-3.0	0.0	RTL	1	10	0.0	10	70n		20m	500m	-20	55	2	JO22		
20	1316	2G	5.0M	PCB	-3.0	0.0	RTL	1	10	0.0	10	70n		40m	500m	-20	55	6	JO23		
21	6310	2G	10M	PCB	-3.0	0.0	RTL	1Δ	10	0.0	10	27n		21m	500m	-20	55	1	JO24		
22	6311	2G	10M	PCB	-3.0	0.0	RTL	1Δ	10	0.0	10	27n		20m	500m	-20	55	2	JO25		
23	TCA350	3	500kΔ	MON	-19	0.0	CMS			24	0.0	185u				-20	60	1	JO32		
24	9070	3	5M	MON	3.0	0.0	TTL	4	6	20	20	20n		6n	22n	980m	900m	0	70	1	JO32
25	3K15	4								6.0	0.0		50n	150n			20	75	1	JO439	
26	MOS31-62	4	50k	PCB	0.0	-6.0				12	12						0	50	1	CB26	
27	G306	4	100k	PCB	0.0	-6.0				3	0.0	800n	600n	1.4u	340m	1.0 *	-55	71	1	JO436	
28	G330	4	100k	PCB	0.0	-6.0				3		800n	600n	1.4u	1.3	1.0 *	-55	71	4	CB16	
29	PM10803	4	100k	3DM	0.0	-6.5				18	6.0						-55	71	1	ZB37	
30	T167	4	25k	3DM	-3.0	-11				2		400n	200n		66m		-45	65	1	M17	
31	CT166-4	4	250k	PCB	-3.0	-11		2				400n	200n		336m	1.5	-45	65	4	CB16	
32	GA306	4	100k	PCB	-6.0	0.0				3	0.0	800n	600n	1.4u	340m	1.0 *	-55	71	1	CB16	
33	GA330	4	100k	PCB	-6.0	0.0				3		800n	600n	1.4u	1.3	1.0 *	-55	71	1	CB16	
34	PM6013	4	300k	3DM	10	0.0				18	0				450m		0	50	2	JO48	
35	2SSM	4	35k	PCB	-10	0.0				12	12						0	50	4	JO425	
36	AC2M	4	200k	PCB	-10	0.0				12	12						0	50	4	JO425	
37	SS5506	4	3.0M	PCB			CDL	3	24	0	5.0	160n		630m			0	70	3	CB56	
38	MIC305-1A	4					CTL	2	10	0.0	4.0	100n		30m	200m	-55	125	1	TO89		
39	MIC305-1B	4					CTL	2	10	0.0	4.0	100n		30m	200m	-55	125	1	TO86		
40	MIC305-1C	4					CTL	2	10	0.0	4.0	100n		30m	200m	-55	125	1	CN17		
41	MIC305-2A	4					CTL	2	10	0.0	4.0	100n		30m	200m	0	100	1	TO89		
42	MIC305-2B	4					CTL	2	10	0.0	4.0	100n		30m	200m	0	100	1	TO86		
43	MIC305-2C	4					CTL	2	10	0.0	4.0	100n		30m	200m	0	100	1	CN17		
44	MIC305-3A	4					CTL	2	10	0.0	4.0	100n		30m	200m	15	55	1	TO89		
45	MIC305-3B	4					CTL	2	10	0.0	4.0	100n		30m	200m	15	55	1	TO86		
46	MIC305-3C	4					CTL	2	10	0.0	4.0	100n		30m	200m	15	55	1	CN17		
47	MIC941-1B	4		MON			DTL	3	10	0	5.5					-55	125	1	JO433a		
48	MIC941-1D	4		MON			DTL	3	10	0	5.5					-55	125	1	JO433a		
49	MIC941-5B	4		MON			DTL	3	10	0	5.0					0	75	1	JO433a		
50	MIC941-5D	4		MON			DTL	3	10	0	5.0					0	75	1	JO433a		
51	MIC951-1B	4		MON			DTL	3Δ	10	0	5.0	100nΔ		40m		-55	125	1	JO429		
52	MIC951-1C	4		MON			DTL	2	10	0	5.0	100nΔ		40m		-55	125	1	JO429		
53	MIC951-5B	4		MON			DTL	3Δ	10	0	5.0	100nΔ		42m		0	75	1	JO429		
54	MIC951-5C	4		MON			DTL	2	10	0	5.0	100nΔ		42m		0	75	1	JO429		
55	1M15	4	25k	3DM			DTL	1	10	0	12		60n	40n	60m		0	70	1	JO428	
56	5K15	4	500k	3DM			DTL	1	10	0	12		60n	40n	48m		0	70	1	M82	
57	EM2506	4	25k	3DM	0.0	-6.0	DTL	3	3	12	6.0	180n	300n	1.0u	255m	2.0	-55	71	1	JO419	
58	MOS1	4	2.0M	PCB	2.0%	50*	DTL	2	25	5.0	5.0	500n					0	70	3	JO437	
59	PD9941-51	4		MON	2.5	.40†*	DTL	3Δ		0.0	8.0	40n%Δ	20n	20n	180m	1.0	-55	125	1	JO433a	
60	PD9941A51	4		MON	2.5	.40†*	DTL	3Δ		0.0	8.0	40n%Δ	20n	20n	180m	1.0	-55	125	1	JO433b	
61	PD9951-51	4		MON	2.5	.40†*	DTL	3Δ		0.0	8.0	40n%Δ	20n	20n	170m	1.0	-55	125	1	JO454	
62	PD9951A51	4		MON	2.5	.40†*	DTL	3Δ		0.0	8.0	40n%Δ	20n	20n	180m	1.0	-55	125	1	JO429	
63	PL9941-51	4		MON	2.5	.40†*	DTL	3Δ		0.0	8.0	40n%Δ	20n	20n	180m	1.0	-55	125	1	JO433a	
64	PL9941A51	4		MON	2.5	.40†*	DTL	3Δ		0.0	8.0	40n%Δ	20n	20n	180m	1.0	-55	125	1	JO433b	
65	PL9951-51	4		MON	2.5	.40†*	DTL	3Δ		0.0	8.0	40n%Δ	20n	20n	170m	1.0	-55	125	1	JO454	
66	PL9951A51	4		MON	2.5	.40†*	DTL	3Δ		0.0	8.0	40n%Δ	20n	20n	180m	1.0	-55	125	1	JO429	
67	SW751-1F	4	10M†	MON	2.5	.40†*	DTL	4†	10	0.0	5.0	25n%		40m†		-55	125	1	JO433a		
68	SW751-1P	4	10M†	MON	2.5	.40†*	DTL	4†	10	0.0	5.0	25n%		40m†		-55	125	1	JO433a		
69	SW751-1T	4	10M†	MON	2.5	.40†*	DTL	4†	10	0.0	5.0	25n%		40m†		-55	125	1	JO433a		
70	SW941-1F	4	10M†	MON	2.5	.40†*	DTL	4†	10	0.0	5.0	25n%		30m†	1.0	-55	125	1	TO86		
71	SW941-1P	4	10M†	MON	2.5	.40†*	DTL	4†	10	0.0	5.0	25n%		30m†	1.0	-55	125	1	TO116		
72	SW941-1T	4	10M†	MON	2.5	.40†*	DTL	4†	10	0.0	5.0	25n%		30m†	1.0	-55	125	1	CN39		
73	MIC951-1D	4		MON	2.6	.40†*	DTL	3Δ	10	0	5.0	100nΔ		40m		-55	125	1	JO429		
74	NE8828A	4		MON	3.1	.30†	DTL	4		0	6.0	50nΔ		170m		0	75	2	JO434		
75	NE8828J	4		MON	3.1	.30†	DTL	4		0	6.0	50nΔ		170m		0	75	2	JO434		
76	SE8828A	4		MON	3.1	.30†	DTL	4		0	6.0	50nΔ		170m		-55	125	2	JO434a		
77	SE8828J	4		MON	3.1	.30†	DTL	4		0	6.0	50nΔ		170m		-55	125	2	JO434a		
78	PD9941-59	4		MON	3.2	.40†*	DTL	3Δ		0.0	8.0	40n%Δ	20n	20n	180m	1.0	0	75	1	JO433a	
79	PD9941A59	4		MON	3.2	.40†*	DTL	3Δ		0.0	8.0	40n%Δ	20n	20n	180m	1.0	0	75	1	JO433b	
80	PD9951A59	4		MON	3.2	.40†*	DTL	3Δ		0.0	8.0	40n%Δ	20n	20n	180m	1.0	0	75	1	JO429	
81	PL9941-59	4		MON	3.2	.40†*	DTL	3Δ													

10. TIME DELAYS

IN ORDER OF: (1)TYPE TIME DELAY (2)LOG. TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	TYPE No.	TIME DELAY TYPE	5 MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN		POWER SUPPLY SPAN	MAX.			TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS					
					LEVEL	TYPE	IN	OUT MAX.	MIN. DELAY (s)		RISE TIME tr (s)	FALL TIME tf (s)	LOW °C			HI °C	LOGIC DWG. No		OUTLINE DWG. No Δ=MO					
																				'1' (V)	'0' (V)	NEG. (V)	POS. (V)	
1	D4415	5	3.0M	PCB	9.95%	.05*	CDL	1	10	1.0	5.0	18	160n	50n	20n	20n	630m	5.0	0	50	70	3	J05113	CB56
2	SS5507	5	3.0M	MOS	9.95%	.05**	CMS	3	24	0.0	5.0	10	50n	50n	20n	20n	400u	2.0	0	55	125	2	J0582	Δ004AG
3	CD4098BK	5	3.0M	MOS	9.95%	.05**	CMS	3	30	0.0	5.0	10	300n	300n	20n	20n	100u	3.0	0	55	125	2	J0582	Δ001AE
4	SCL4528BD	5	3.0M	MOS	9.95%	.05**	CMS	3	30	0.0	5.0	10	300n	300n	20n	20n	100u	3.0	0	55	125	2	J0582	Δ004AH
5	SCL4528BF	5	3.0M	MOS	9.95%	.05**	CMS	3	30	0.0	5.0	10	300n	300n	20n	20n	100u	3.0	0	55	125	2	J0582	M561
6	4538BDC	5	3.0M	MOS	11%	4.0*	CMS	3	25E	0.0	5.0	15	25E	25E	20n	20n	6.7 Δ	0	55	125	2	J0582	FP103	
7	4538BDM	5	3.0M	MOS	11%	4.0*	CMS	3	25E	0.0	5.0	15	25E	25E	20n	20n	6.7 Δ	0	55	125	2	J0582	M562	
8	4538BFC	5	3.0M	MOS	11%	4.0*	CMS	3	25E	0.0	5.0	15	25E	25E	20n	20n	6.7 Δ	0	55	125	2	J0582	FP103	
9	4538BFM	5	3.0M	MOS	11%	4.0*	CMS	3	25E	0.0	5.0	15	25E	25E	20n	20n	6.7 Δ	0	55	125	2	J0582	FP103	
10	4538BPC	5	3.0M	MOS	11%	4.0*	CMS	3	25E	0.0	5.0	15	25E	25E	20n	20n	6.7 Δ	0	55	125	2	J0582	M562	
11	FuL95129	5	3.0M	MON			DTL		10	0.0	5.0	15			25n	35m	1.0	0	55	125	2	J0545	M153a	
12#	MIC342-1D	5	3.0M	MON			DTL			0.0	5.0	12						0	55	125	2		M153a	
13#	MIC342-1D1	5	3.0M	MON			DTL			0.0	5.0	12						0	55	125	2		M153a	
14#	MIC342-5	5	3.0M	MON			DTL			0.0	5.0	12						0	55	125	2		M153a	
15#	MIC342-5D1	5	3.0M	MON			DTL			0.0	5.0	15						0	55	125	2		M153a	
16	SE1606	5	3.0M	MON			DTL	1	4	2.0	4.0	12				25m	1.0	0	55	125	1	K0527	TO91	
17	SE1606K	5	3.0M	MON			DTL	1	4	2.0	4.0	12				25m	1.0	0	55	125	1	J0527	TO91	
18	WS840Q	5	3.0M	MON			DTL			0.0	6.0	12				37m	550m*	0	55	125	1	J0523	TO91	
19	SW951-1D	5	10M†	MON			DTL	3Δ	10†	0.0	8.0	25n	100n†	150n†	1.1	1.5 *	0	55	125	1	J0569	TO85		
20	SW951-2D	5	10M†	MON			DTL	3Δ	10†	0.0	8.0	25n	100n†	150n†	1.0	1.5 *	0	75	1	1	J0569	TO85		
21	SW951-1F	5	10M†	MON			DTL	3Δ	10†	0.0	8.0	25n	100n†	150n†	1.0	1.5 *	0	75	1	1	J0574	TO86		
22	SW951-1P	5	10M†	MON			DTL	3Δ	10	0.0	5.0	25n	100n†	150n†	1.0	1.5 *	0	75	1	1	J0574	TO116		
23	SW951-1S	5	10M†	MON			DTL	3Δ	10†	0.0	8.0	25n	100n†	150n†	1.0	1.5 *	0	75	1	1	J0574	CN58		
24	SW951-1T	5	10M†	MON			DTL	2Δ	10†	0.0	8.0	25n	100n†	150n†	1.0	1.5 *	0	75	1	1	J0574	CN39		
25	SW951-2F	5	10M†	MON			DTL	3Δ	10†	0.0	8.0	25n	100n†	150n†	1.0	1.5 *	0	75	1	1	J0574	TO86		
26	SW951-2M	5	10M†	MON			DTL	3Δ	10	0.0	5.0	25n	100n†	150n†	1.0	1.5 *	0	75	1	1	J0574	M105n		
27	SW951-2P	5	10M†	MON			DTL	3Δ	10	0.0	5.0	25n	100n†	150n†	1.0	1.5 *	0	75	1	1	J0574	TO116		
28	SW951-2S	5	10M†	MON			DTL	3Δ	10†	0.0	8.0	25n	100n†	150n†	1.0	1.5 *	0	75	1	1	J0574	CN52		
29	SW951-2T	5	10M†	MON			DTL	3Δ	10†	0.0	8.0	25n	100n†	150n†	1.0	1.5 *	0	75	1	1	J0574a	CN39		
30	U815	5	10M	3DM	0.0	6.5	DTL		3	0.0	12					457m		0	55	125	1	J0519	M60	
31	UC705	5	10M	PCB	0.0	6.5	DTL		3	0.0	12					1.4	1.5 *	0	55	125	3	J0519	CB16	
32	DM20	5	100k	PCB	0.0	-6.0	DTL	2Δ	8	18	12	3.0u	500n†	800n†	1.0	1.5 *	-20	55	3	3	J0560	CB13a		
33	DM20A	5	100k	PCB	0.0	-6.0	DTL	2Δ	5	18	12	3.0u	500n†	800n†	1.0	1.5 *	-20	55	3	3	J0560a	CB13a		
34	DS20	5	100k	PCB	0.0	-6.0	DTL	2Δ	6	18	12	3.0u	500n†	800n†	1.4	1.5 *	-20	55	2	2	J0561	CB13a		
35	DS20A	5	100k	PCB	0.0	-6.0	DTL	2Δ	10	18	12	3.0u	500n†	800n†	1.4	1.5 *	-20	55	2	2	J0561a	CB13a		
36	3K25	5	250k	3DM	0.0	-6.0	DTL	2	2	20	6.0		100n	300n	117m		0	75	1	1	J0554	M77		
37	DM30	5	500k	PCB	0.0	-6.0	DTL	2Δ	8	18	12	700n	100n†	150n†	1.1	1.5 *	-20	55	3	3	J0560	CB13a		
38	DM30A	5	500k	PCB	0.0	-6.0	DTL	2Δ	5	18	12	700n	100n†	150n†	1.0	1.5 *	-20	55	3	3	J0560a	CB13a		
39	DS30	5	500k	PCB	0.0	-6.0	DTL	2Δ	6	18	12	600n	100n†	150n†	1.7	1.5 *	-20	55	2	2	J0561	CB13a		
40	DS30A	5	500k	PCB	0.0	-6.0	DTL	2Δ	10	18	12	700n	100n†	150n†	1.7	1.5 *	-20	55	2	2	J0561a	CB13a		
41	MV30	5	1.0M	PCB	0.0	-6.0	DTL	2	34	18	12	600n	100n†	150n†	2.0	1.5 *	-20	55	1	1	J0561a	CB13a		
42	OS2M	5	1.0M	3DM	0.0	-6.0	DTL	2	4	15	6.0	200p	200n	200n	447m	1.5	0	50	1	1	J0516			
43	OS22	5	1.0M	PCB	0.0	-6.0	DTL	2	4	15	6.0	200p	200n	200n	850m	1.5	0	50	4	4	J0515	CB14		
44	DM35	5	2.5M	PCB	0.0	-6.0	DTL	2Δ	6	18	12	140n	25n†	50n†	1.6	1.5 *	-20	55	3	3	J0560	CB13a		
45	DM35A	5	2.5M	PCB	0.0	-6.0	DTL	2Δ	4	18	12	140n	25n†	50n†	1.4	1.5 *	-20	55	3	3	J0560a	CB13a		
46	DS35	5	2.5M	PCB	0.0	-6.0	DTL	2Δ	4	18	12	140n	25n†	50n†	2.3	1.5 *	-20	55	2	2	J0561	CB13a		
47	DS35A	5	2.5M	PCB	0.0	-6.0	DTL	2Δ	7	18	12	140n	25n†	50n†	2.3	1.5 *	-20	55	2	2	J0561a	CB13a		
48	MV35	5	5.0M	PCB	0.0	-6.0	DTL	2	23	18	12	140n	25n†	50n†	2.8	1.5 *	-20	55	1	1	J0561a	CB13a		
49	MC51	5	1.0M	PCB	0.0	6.2	DTL	8		18	18	200n	100n	100n	4.0	2.5 *	0	55	3	3	J0510a	CB25		
50	DM337	5	5.0M	PCB	1.5	1.2	DTL	3	8	0.0	6.0	150n	100p	1.0u	600m		0	55	2	2	J0577			
51	SW728-1D	5	10M†	MON	1.8%	1.2*	DTL	3Δ	16†	0.0	8.0	25n	100n†	150n†	1.0	1.5 *	0	55	125	1	J0550	TO85		
52	SW728-1F	5	10M†	MON	1.8%	1.2*	DTL	5	16†	0.0	8.0	25n	100n†	150n†	1.0	1.5 *	0	55	125	1	J0550	TO86		
53	SW728-1P	5	10M†	MON	1.8%	1.2*	DTL	5	16	0.0	5.0	25n	100n†	150n†	1.0	1.5 *	0	75	1	1	J0550	TO116		
54	SW728-1S	5	10M†	MON	1.8%	1.2*	DTL	5	16†	0.0	8.0	25n	100n†	150n†	1.0	1.5 *	0	75	1	1	J0550	CN52		
55	SW728-1T	5	10M†	MON	1.8%	1.2*	DTL	4	16†	0.0	8.0	25n	100n†	150n†	1.0	1.5 *	0	75	1	1	J0550	CN39		
56	SW728-2D	5	10M†	MON	1.8%	1.2*	DTL	3Δ	16†	0.0	8.0	25n	100n†	150n†	1.0	1.5 *	0	75	1	1	J0550	TO85		
57	SW728-2F	5	10M†	MON	1.8%	1.2*	DTL	5	16†	0.0	8.0	25n	100n†	150n†	1.0	1.5 *	0	75	1	1	J0550	TO86		
58	SW728-2M	5	10M†	MON	1.8%	1.2*	DTL	5	16	0.0	5.0	25n	100n†	150n†	1.0	1.5 *	0	75	1	1	J0550	M105n		
59	SW728-2P	5	10M†	MON	1.8%	1.2*	DTL	5	16	0.0	5.0	25n	100n†	150n†	1.0	1.5 *	0	75	1	1	J0550	TO116		
60	SW728-2S	5	10M†	MON	1.8%	1.2*	DTL	5	16†	0.0	8.0	25n	100n†	150n†	1.0	1.5 *	0	75	1	1	J0550	CN52		
61	SW728-2T	5	10M†	MON	1.8%	1.2*	DTL	4	16†	0.0	8.0	25n	100n†	150n†	1.0	1.5 *	0	75	1	1	J0550	CN39		
62	219	5	5.0MΔ	PCB	2.0%	.45*	DTL	3	7	0	5.0	100n			20m	1.4	0	70	4	4	J0547	CB50		
63	219A	5	5.0MΔ	PCB	2.0%	.45*	DTL	3	7	0	5.0	100n			20m	1.4	0	70	4	4	J0547a	CB50		
64	I0S2279	5	5.0	PCB	2.0%	.95*	DTL	2	10	0	5.0	100n	50n†	15n†	200m	1.0 Δ	0	75	4	4		CBZ		
65	I0S2282	5	5.0	PCB	2.0%	.95*	DTL	2	10	0	5.0	100n	50n†	15n†	200m	1.0 Δ	0	75	4	4		CBZ		
66	I0S2283	5	5.0	PCB	2.0%	.95*	DTL	2	10	0	5.0	100n	50n†	15n†	200m	1.0 Δ	0	75	2	2		CBZ		

10. TIME DELAYS

IN ORDER OF: (1)TYPE TIME DELAY (2)LOG. TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TIME DELAY TYPE	MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN		POWER SUPPLY SPAN		MIN. DELAY (s)	MAX.		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					LEVEL	TYPE	IN	OUT MAX.	NEG. (V)	POS. (V)	RISE TIME tr (s)		FALL TIME tf (s)	LOW °C			HI °C	LOGIC DWG. No		OUTLINE DWG. No Δ=MO	
																					'1' (V)
1	SE161J	5		MON	3.2%	.35*	DTL	2	4	0	8.2									J0571	T088
2	SE162J	5	10M†	MON	3.2%	.35†*	DTL	2	4	0	8.2			52n						J0571	T088
3#	9951-9	5		MON	3.2%	.45*Δ	DTL	3	10	0	5.0									J0545	ZB163
4#	D951-9R	5		MON	3.2%	.45*Δ	DTL	3	10	0.0	5.0			70n						J0545	TO116
5#	D951-9U	5		MON	3.2%	.45*Δ	DTL	3	10	0.0	5.0			70n						J0545	FP32
6	O12001	5		MON	3.5†	.30	DTL	2	4	0.0	4.0				5.0m	800m				J0512	CN11
7	O42001	5		MON	3.5†	.30	DTL	2	4	0.0	4.0				5.0m	800m				J0512	FP26c
8	NE8162A	5		MON	3.6%	.35*†	DTL	2	2	0	6.0			60nΔ						J0552a	TO116
9	NE8162J	5		MON	3.6%	.35*†	DTL	2	2	0	6.0			60nΔ						J0552a	T088
10	SE8162A	5		MON	3.6%	.35*†	DTL	2	2	0	6.0			60nΔ						J0552a	TO116
11	SE8162J	5		MON	3.6%	.35*†	DTL	2	2	0	6.0			60nΔ						J0552a	T088
12	NE160G	5		MON	3.9%	.45*†	DTL	4	4	6.0	6.0				250m	1.0 Δ				J0565	TO91
13	NE160K	5		MON	3.9%	.45*†	DTL	4	4	6.0	6.0				250m	1.0				J0565	CN17
14	NE161A	5		MON	3.9%	.45*†	DTL	2	4	0	6.2			75nΔ						J0552	TO116
15	NE161J	5		MON	3.9%	.45*†	DTL	2	4	0	6.2			75nΔ						J0552	T088
16	NE161K	5		MON	3.9%	.45*†	DTL	6	4	0	6.0				250m	1.0				J0552	CN17
17	NE162A	5		MON	3.9%	.45*†	DTL	2	4	0	6.2			75nΔ						J0552a	TO116
18	NE162J	5		MON	3.9%	.45*†	DTL	2	4	0	6.2			75nΔ						J0552a	T088
19	SE160G	5		MON	3.9%	.45†*	DTL	2Δ	4	0	8.2									J0565	TO91
20	SE160K	5		MON	3.9%	.45†*	DTL	2Δ	4	0	8.2									J0565	CN17
21	SE161K	5		MON	3.9%	.45†*	DTL	2	4	0	8.2									J0552	CN17
22	SN7380	5		MON	4.0*	.40*	DTL	2	10	0	7.0			100n	60n	60n				J0542a	TO89
23	DTuL951#1	5		MON	4.5	.30	DTL	3Δ	10	0.0	8.0			25n						J0545	CN29
24	DTuL951#2	5		MON	4.5	.30	DTL	3Δ	10	0.0	8.0			25n						J0545	FP28
25	O41A	5	5.0M	PCB	5.0	.45	DTL	2	11	0.0	5.0			125n						J0431	CB50
26	416A	5	5.0MΔ	PCB	5.6	0.0	DTL	2Δ	10	12	12			500n						J0548	CB50
27	DM130	5	500k	PCB	6.0	0.0	DTL	2	8	12	18			700n						J0558	CB13a
28	DS130	5	500k	PCB	6.0	0.0	DTL	2	6	12	18			700n						J0559	CB13a
29	MV130	5	1.0M	PCB	6.0	0.0	DTL	2	34	12	18			80n	100n	100n				J0510	CB13a
30	MS51	5	1.0M	PCB	6.2	0.0	DTL	24	6	18	18			80n	100n	100n				J0510	CB25
31	DM335	5	5.0M	MOH	6.3*	1.1*	DTL	4	15	0	6.3			50n						J0510a	CB13
32	ITT342-1D	5			6.5	5.0	DTL	6	6	0.0	12			150nΔ						J0596	M200d
33	ITT342-5D	5			6.5	5.0	DTL	6	6	0.0	12			140nΔ						J0596	M200d
34	SD342BG	5		MON	6.5%	5.0*	DTL	2Δ	Δ	0.0	12			100n%						J0549	CN50
35	SD342BJ	5		MON	6.5%	5.0*	DTL	2Δ	Δ	0.0	12			100n%						J0549	M172
36	SD342CG	5		MON	6.5%	5.0*	DTL	2Δ	Δ	0.0	12			100n%						J0549	CN50
37	SD342CJ	5		MON	6.5%	5.0*	DTL	2Δ	Δ	0.0	12			100n%						J0549	M172
38	WC2298Z	5		MON	7.5	6.0	DTL	3	6†	0	12			60n						J0549	M172
39#	H117D1#2	5		MON	8.0%	6.0*	DTL	2	25	0.0	20			91uΔ						CO114	M443
40#	H117D2#2	5		MON	8.0%	6.0*	DTL	2	25	0.0	16			91uΔ						CO114	M443
41#	H117D6#2	5		MON	8.0%	6.0*	DTL	2	25	0.0	16			91uΔ						CO114	M443
42	355BL	5		MON	9.0%	2.0*†	DTL	4	4	0.0	12			320m						J0599	M496a
43	OS21-1	5	2.0M	3DM	10	0.0	DTL	1	3	12	12			150n	100n	30n				J0520	M16
44	TO200	5	1.0M	PCB	10	.40	DTL	4Δ	6	6.0	12			7.0u						J0518	CB15
45	342BG	5		MON	11.3	1.2†	DTL	2Δ	5	0.0	12			150nΔ						J0549	CN69
46	342BJ	5		MON	11.3	1.2†	DTL	2Δ	5	0.0	12			150nΔ						J0549	M172
47	342BN	5		MON	11.3	1.2†	DTL	2Δ	5	0.0	12			150nΔ						J0549	M204
48	342CG	5		MON	11.3	1.2†	DTL	2Δ	5	0.0	12			140nΔ						J0549	CN69
49	342CN	5		MON	11.3	1.2†	DTL	2Δ	5	0.0	12			140nΔ						J0549	M204
50	355ML	5		MON	12%	2.0*†	DTL	4	4	0.0	15			330n\$						J0599	M496a
51	5K25	5	500k	3DM	12	2.0	DTL	1	2	0	12			140n	80n	40n				J0553	M82
52	OS11-1	5	100k	3DM	-10	0.0	DTL	1	3	12	12			1.0u	200n	500n				J0520	M15
53	OS11-2	5	100k	3DM	-10	0.0	DTL	1	3	12	12			200n	100n	300n				J0520	M15
54	OS31-1	5	1.0M	3DM	-10	0.0	DTL	1	3	12	12			80n	30n	50n				J0520	M15
55	UC505	5	1.0M	PCB	0.0	6.5	RCT	2	3	12	12			150n						J0519	CB16
56	OS641A	5	100k	PCB	0.0	-6.0	RCT	2	6	12	12			5.0u	1.0u	2.0u				J0546	CB1
57	OS642A	5	100k	PCB	0.0	-6.0	RCT	2	1	12	12			5.0u	1.0u	2.0u				J0546a	CB1
58	OS741A	5	500k	PCB	0.0	-6.0	RCT	2	6	12	12			1.0u	350n	350n				J0546	CB1
59	OS742A	5	500k	PCB	0.0	-6.0	RCT	2	1	12	12			1.0u	350n	350n				J0546a	CB1
60	OS841A	5	2.0M	PCB	0.0	-6.0	RCT	2	5	12	12			250n	90n	110n				J0546	CB1
61	OS842A	5	2.0M	PCB	0.0	-6.0	RCT	2	1	12	12			250n	90n	110n				J0546a	CB1
62	OS941A	5	5.0M	PCB	0.0	-6.0	RCT	2	4	12	12			70n	26n	30n				J0546	CB1
63	OS942A	5	5.0M	PCB	0.0	-6.0	RCT	2	1	12	12			70n	26n	30n				J0546a	CB1
64	SN518A	5		MON	.30	2.5	RCT	1	5	0.0	6.0			60n	70n	930n				J0544	TO89
65	USO108A	5		MON	2.0%	.30†*	RCT	1	5	0.0	8.0			800p	330n	1.2u				J0555	TO89
66	USRO108A	5		MON	2.0%	.30†*	RCT	1	5	0.0	8.0			800p	330n	1.2u				J0555	FP22
67	USRO108B	5		MON	2.0%	.30†*	RCT	1	5	0.0	8.0			800p	330n	1.2u				J0555	FP23
68	SN518B	5		MON	2.5%	.30†*	RCT	1	5	0.0	8.0			650nΔ	330n	1.2				J0544	FP22
69	SNR518	5		MON	2.5%	.30†*	RCT	1	5	0.0	8.0			650nΔ	330n	1.2				J0544	FP22
70	NC16	5	10M	MOH	5.0	0.0	RCT	1	5	0	12			30n	20n	200n				J0539	CN45
71	PC16	5	10M	MOH	5.0	0.0	RCT	1	5	0	12			30n	20n	200n				J0539	FP8e
72	PC18	5	10M	MOH	5.0	0.0	RCT	1	5	0	12			30n	20n	200n				J0540	FP8f
73	B895003	5	100k	3DM	6.0	0.0	RCT	4	15	6.0	6.0			4.0u	200n	400n				J059	M4
74	TMC400-02	5	5.0M	TFH	6.0	0.0	RCT	1	3	12	12			10n	20n	20n				J0524	FP10
75	4ASM	5	80k	PCB	-10	0.0	RCT	1	12	12	12			2.5						J0521	CB19
76	GOS3-2	5	200k	PCB	-10	0.0	RCT	1	12	12	6.0			300n	250n	500n				J0543	CB15
77	4ASH	5	800k	PCB	-10	0.0	RCT	1	10	12	12			150n	100n	200n				J0521	CB19
78	GOS3-1	5	1.0M	PCB	-10	0.0	RCT	1	10	12	6.0			150n	100n	200n				J0543	CB15
79	GOS3-5	5	5.0M	PCB	-10	0.0	RCT	1	20	12	6.0			40n	30n	70n				J0543	CB15
80	WS841Q	5		MON	.80	2.0	RTL	1	6	0	15			10u	200n	80n				J0523	FP37</

10. TIME DELAYS

IN ORDER OF: (1)TYPE TIME DELAY (2)LOG. TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	TYPE No.	TIME DELAY TYPE	MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN IN	OUT MAX.	POWER SUPPLY SPAN		MIN. DELAY (s)	MAX. RISE TIME tr (s)		MAX. FALL TIME tf (s)	TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. °C		CKT PER MOD	DRAWINGS	
					LEVEL	TYPE	2			NEG. (V)	POS. (V)		10n	4.0n				LOW	HI		LOGIC DWG. No	OUTLINE DWG. No Δ=MO
1	25LS123CH#2	5		MON	2.0%	.70*	TTL	3	20	0.0	5.0	116n\$			100m%	250m*	-55	125	2	J0445	CH87	
2	25LS123J#2	5		MON	2.0%	.70*	TTL	3	20	0.0	5.0	116n\$			100m%	250m*	-55	125	2	J0445	M200h	
3	25LS123W#2	5		MON	2.0%	.70*	TTL	3	20	0.0	5.0	116n\$			100m%	250m*	-55	125	2	J0445	FP101b	
4	96L02FC	5		MON	2.0%	.70*	TTL	3	6C	0.0	5.0	110n			80m%	300m	0	75	2	J0582	FP103	
5	JANM38510/31401BFB	5		MON	2.0%	.70*	TTL	3	11D	0.0	5.5	308nΔ			220m	300m*	-55	125	2	J05115	FP117	
6	JANM38510/31401CFB	5		MON	2.0%	.70*	TTL	3	11D	0.0	5.5	308nΔ			220m	300m*	-55	125	2	J05115	FP117	
7	JANM38510/31402BFB	5		MON	2.0%	.70*	TTL	3	11D	0.0	5.5	20n			298m	300m*	-55	125	2	J05101	FP117	
8	JANM38510/31402CFB	5		MON	2.0%	.70*	TTL	3	11D	0.0	5.5	20n			298m	300m*	-55	125	2	J05101	FP117	
9	JANM38510/31403BDB	5		MON	2.0%	.70*	TTL	5	11D	0.0	5.5	308nΔ			61m	300m*	-55	125	1	J0444	FP116	
10	JANM38510/31403CDB	5		MON	2.0%	.70*	TTL	5	11D	0.0	5.5	308nΔ			61m	300m*	-55	125	1	J0444	FP116	
11	25LS122CH#1	5		MON	2.0%	.80*	TTL	5	20	0.0	5.0	116n\$			100m%	350m*	0	70	1	J0444	CH86	
12	25LS122J#1	5		MON	2.0%	.80*	TTL	5	20	0.0	5.0	116n\$			100m%	350m*	0	70	1	J0444	M294p	
13	25LS122W#1	5		MON	2.0%	.80*	TTL	5	20	0.0	5.0	116n\$			100m%	350m*	0	70	1	J0444	FP52j	
14	25LS123CH#1	5		MON	2.0%	.80*	TTL	3	20	0.0	5.0	116n\$			100m%	350m*	0	70	2	J0445	CH87	
15	25LS123J#1	5		MON	2.0%	.80*	TTL	3	20	0.0	5.0	116n\$			100m%	350m*	0	70	2	J0445	M200h	
16	25LS123W#1	5		MON	2.0%	.80*	TTL	3	20	0.0	5.0	116n\$			100m%	350m*	0	70	2	J0445	FP101b	
17	96L02FC	5		MON	2.0%	.80*	TTL	3	22D	0.0	5.0	38n			180m%	300m	0	70	2	J0582	FP103	
18	96S02DM	5		MON	2.0%	.80*	TTL	3	10B	0.0	5.0	27n			350m%	300m	-55	125	2	J0582	M561	
19	96S02FC	5		MON	2.0%	.80*	TTL	3	10B	0.0	5.0	27n			350m%	300m	0	75	2	J0582	FP103	
20	96S02FM	5		MON	2.0%	.80*	TTL	3	10B	0.0	5.0	27n			350m%	300m	-55	125	2	J0582	FP103	
21	74122FC	5		MON	2.0%	.80*	TTL	5	10	0.0	5.0	65n			140m%	1.0	0	70	1	J0444	FP21h	
22#	MIC54121J	5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	15n			90m%	500m	-55	125	1	J0583	TO116	
23#	MIC54124J	5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	85nΔ			150m%		-55	125	1	C0117	TO116	
24#	MIC54124J#1	5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	85nΔ	10n	4.0n	150m%		-55	125	1	C0117	TO116	
25#	MIC64121J	5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	15n			90m%	500m	-40	85	1	J0583	TO116	
26#	MIC64124J#1	5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	85nΔ	10n	4.0n	150m%		-40	85	1	C0117	TO116	
27#	MIC74121J	5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	15n			90m%	500m	0	75	1	J0583	TO116	
28#	MIC74121N	5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	15n			90m%	500m	0	75	1	J0583	M126x	
29#	MIC74124J	5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	85nΔ	10n	4.0n	150m%		0	75	1	C0117	TO116	
30#	MIC74124J#1	5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	85nΔ	10n	4.0n	150m%		0	75	1	C0117	TO116	
31#	MIC74124N	5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	85nΔ	10n	4.0n	150m%		0	75	1	C0117	M126x	
32#	MIC74124N#1	5		MON	2.0%	.80*	TTL	3	10	0.0	5.0	85nΔ	10n	4.0n	150m%		0	75	1	C0117	M126	
33	N74122A	5		MON	2.0%	.80*	TTL	7	20	0.0	5.0	40nΔ			140m%		0	70	1	J0591	M318	
34	N74123B	5		MON	2.0%	.80*	TTL	3	20	0.0	5.0	40nΔ			330m%		0	70	2	J0448	M317	
35	S54122A	5		MON	2.0%	.80*	TTL	3	20	0.0	5.0	40nΔ			140m%		-55	125	1	J0444	TO116	
36	S54123B	5		MON	2.0%	.80*	TTL	3	20	0.0	5.0	40nΔ			330m%		-55	125	2	J0448	M317	
37	SN54L122N	5		MON	2.0%	.80*	TTL	4	40	0.0	5.0	40n†			60m%	1.0 Δ	-55	125	1	J0444	M126e	
38	SN74L122T	5		MON	2.0%	.80*	TTL	4	40	0.0	5.0	40n†			60m%	1.0 Δ	0	70	1	J0444	FP52e	
39	T9600F	5		MON	2.0%	.80*	TTL	9	16	0.0	5.0	120nΔ	3.0u	7.0n	125m%		0	75	1	J0586	TO86	
40	T9600FM	5		MON	2.0%	.80*	TTL	9	16	0.0	5.0	100nΔ	3.0u	7.0n	125m%		-55	125	1	J0586	TO86	
41	T9600J	5		MON	2.0%	.80*	TTL	9	16	0.0	5.0	120nΔ	3.0u	7.0n	125m%		0	75	1	J0586	M157c	
42	T9600JM	5		MON	2.0%	.80*	TTL	9	16	0.0	5.0	100nΔ	3.0u	7.0n	125m%		-55	125	1	J0586	M157c	
43	T9601F	5		MON	2.0%	.80*	TTL	6	16	0.0	5.0	65nΔ	3.0u	7.0n	125m%		0	75	1	J0590	TO86	
44	T9601FM	5		MON	2.0%	.80*	TTL	6	16	0.0	5.0	65nΔ	3.0u	7.0n	125m%		-55	125	1	J0590	TO86	
45	T9601J	5		MON	2.0%	.80*	TTL	6	16	0.0	5.0	65nΔ	3.0u	7.0n	125m%		0	75	1	J0590	M157c	
46	T9601JM	5		MON	2.0%	.80*	TTL	6	16	0.0	5.0	65nΔ	3.0u	7.0n	125m%		-55	125	1	J0590	M157c	
47	US54121A	5		MON	2.0%	.80*	TTL	6	20	0.0	5.0	15n	14n†	7.0n†			-55	125	1	J0438a		
48	US54121J	5		MON	2.0%	.80*	TTL	6	20	0.0	5.0	15n	14n†	7.0n†			-55	125	1	J0438a		
49	US74121A	5		MON	2.0%	.80*	TTL	6	20	0.0	5.0	15n	14n†	7.0n†			0	70	1	J0438a		
50	US74121J	5		MON	2.0%	.80*	TTL	6	20	0.0	5.0	15n	14n†	7.0n†			0	70	1	J0438a		
51#	T74121B1	5	30M%	MON	2.0%	.80*	TTL	3	10	0.0	5.0	50nΔ			200m%	1.0 Δ	0	70	1	J0580	M126s	
52#	T74121D1	5	30M%	MON	2.0%	.80*	TTL	3	10	0.0	5.0	50nΔ			200m%	1.0 Δ	0	70	1	J0580	M294d	
53#	T74121D2	5	30M%	MON	2.0%	.80*	TTL	3	10	0.0	5.0	50nΔ			200m%	1.0 Δ	-55	125	1	J0580	M294d	
54#	T74122B1	5	30M%	MON	2.0%	.80*	TTL	3	10	0.0	5.0	50nΔ			90m%	1.0 Δ	0	70	1	J0580	M126s	
55#	T74122D1	5	30M%	MON	2.0%	.80*	TTL	3	10	0.0	5.0	50nΔ			90m%	1.0 Δ	0	70	1	J0580	M294d	
56#	T74122D2	5	30M%	MON	2.0%	.80*	TTL	3	10	0.0	5.0	50nΔ			90m%	1.0 Δ	-55	125	1	J0580	M294d	
57#	T74123B1	5	30M%	MON	2.0%	.80*	TTL	3	10	0.0	5.0	50nΔ			90m%	1.0 Δ	0	70	1	J0580	M126s	
58#	T74123D1	5	30M%	MON	2.0%	.80*	TTL	3	10	0.0	5.0	50nΔ			90m%	1.0 Δ	0	70	1	J0580	M294d	
59#	T74123D2	5	30M%	MON	2.0%	.80*	TTL	3	10	0.0	5.0	50nΔ			90m%	1.0 Δ	-55	125	1	J0580	M294d	
60	SW9600-1P	5		MON	2.0%	.85*	TTL	5	16	0.0	5.0	65n			140m%		-55	125	1		M153	
61	SW9600-2P	5		MON	2.0%	.85*	TTL	5	16	0.0	5.0	65n			140m%		0	70	1		M153	
62	SW9600M	5		MON	2.0%	.85*	TTL	5	16	0.0	5.0	65n			140m%		0	70	1		M105n	
63	D4205	5	10M	PCB	2.0%	.95*	TTL	4	8	0	5.0	50n	10n	10n	250m%	1.0 Δ	0	75	2		CBZ	
64	D4206	5	10M	PCB	2.0%	.95*	TTL	4	8	0	5.0	50n	10n	10n	250m%	1.0 Δ	0	75	2		CBZ	
65	MC9602F	5		MON	2.4%	.40†	TTL	3	8	0.0	5.0	25n%			160m%		-55	125	2	J0582	FP85	
66	MC9603F	5		MON	2.4%	.40†	TTL	3	8	0.0	5.0	25n%			90m%		-55	125	1		TO86	
67	MC9603L	5		MON	2.4%	.40†	TTL	3	10	0.0	5.0	80nΔ			90m%		-55	125	1		TO116	
68	N74121A	5		MON	2.4%	.40†	TTL	3	10	0.0	5.0	80nΔ			200m%		0	70	1	J0583	M318	
69	S54121A	5		MON	2.4%	.40†	TTL	3	10	0.0	5.0	80nΔ			200m%		-55	125	1	J0583	M318	
70	MC8602F	5		MON	2.4%	.45†	TTL	3	8	0.0	5.0	25n%			160m%		0	75	2	J0582	FP85	
71	MC8603F	5		MON	2.4%	.45†	TTL	3	10	0.0	5.0	25n%			90m%		0	75	1		TO86	
72	MC8603L,P%	5		MON	2.4%	.45†	TTL	3	10	0.0	5.0	25n%			90m%		0	75	1		TO116	
73	N8T																					

10. TIME DELAYS

IN ORDER OF: (1)TYPE TIME DELAY (2)LOG. TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	1 TIME DELAY TYPE	5 MAX OPER. ATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN		POWER SUPPLY SPAN		MAX.			MAX.		MAX.		TEMP.		CKT PER MOD	DRAWINGS	
					3	LEVEL		2	IN	OUT MAX.	NEG. (V)	POS. (V)	MIN. DELAY (s)	RISE TIME tr (s)	FALL TIME tf (s)	TOTAL PKG. DISS. (W)	NOISE REJECT (V)	LOW °C	HI °C	LOGIC DWG. No		OUTLINE DWG. No Δ=MO	
						'1' (V)	'0' (V)																
1	DBOS1193ZCN	5F	1.0M		6.0	1.0†	DTL	5	10	6.0	12	30n	75n	45n	350m	-40	100	1	J0528	MP52a			
2	DBOS1193ZD	5F	1.0M		6.0	1.0†	DTL	5	10	6.0	12	30n	75n	45n	350m	-55	125	1	J0528	M52			
3	DBOS1193ZDN	5F	1.0M		6.0	1.0†	DTL	5	10	6.0	12	30n	75n	45n	350m	-55	125	1	J0528	MP52a			
4	DCOS1193ZA	5F	1.0M		6.0	1.0†	DTL	5	10	6.0	12	30n	75n	45n	350m	0	50	1	J0528	CB29			
5	DCOS1193ZB	5F	1.0M		6.0	1.0†	DTL	5	10	6.0	12	30n	75n	45n	350m	-20	75	1	J0528	CB29			
6	DCOS1193ZC	5F	1.0M		6.0	1.0†	DTL	5	10	6.0	12	30n	75n	45n	350m	-40	100	1	J0528	CB29			
7	DCOS1193ZD	5F	1.0M		6.0	1.0†	DTL	5	10	6.0	12	30n	75n	45n	350m	-55	125	1	J0528	CB29			
8	DBOS1193YA	5F	5.0M		6.0	1.0†	DTL	5	10	6.0	12	30n	75n	45n	350m	0	50	1	J0528	M52			
9	DBOS1193YAN	5F	5.0M		6.0	1.0†	DTL	5	10	6.0	12	30n	75n	45n	350m	0	50	1	J0528	MP52a			
10	DBOS1193YB	5F	5.0M		6.0	1.0†	DTL	5	10	6.0	12	30n	75n	45n	350m	-20	75	1	J0528	M52			
11	DBOS1193YBN	5F	5.0M		6.0	1.0†	DTL	5	10	6.0	12	30n	75n	45n	350m	-20	75	1	J0528	MP52a			
12	DBOS1193YC	5F	5.0M		6.0	1.0†	DTL	5	10	6.0	12	30n	75n	45n	350m	-40	100	1	J0528	M52			
13	DBOS1193YCN	5F	5.0M		6.0	1.0†	DTL	5	10	6.0	12	30n	75n	45n	350m	-40	100	1	J0528	MP52a			
14	DBOS1193YD	5F	5.0M		6.0	1.0†	DTL	5	10	6.0	12	30n	75n	45n	350m	-55	125	1	J0528	M52			
15	DBOS1193YDN	5F	5.0M		6.0	1.0†	DTL	5	10	6.0	12	30n	75n	45n	350m	-55	125	1	J0528	MP52a			
16	DCOS1193YA	5F	5.0M		6.0	1.0†	DTL	5	10	6.0	12	30n	75n	45n	350m	0	50	1	J0528	CB29			
17	DCOS1193YB	5F	5.0M		6.0	1.0†	DTL	5	10	6.0	12	30n	75n	45n	350m	-20	75	1	J0528	CB29			
18	DCOS1193YC	5F	5.0M		6.0	1.0†	DTL	5	10	6.0	12	30n	75n	45n	350m	-40	100	1	J0528	CB29			
19	DCOS1193YD	5F	5.0M		6.0	1.0†	DTL	5	10	6.0	12	30n	75n	45n	350m	-55	125	1	J0528	CB29			
20	DBOS1193XA	5F	10M		6.0	1.0†	DTL	5	10	6.0	12	30n	75n	45n	350m	0	50	1	J0528	M52			
21	DBOS1193XAN	5F	10M		6.0	1.0†	DTL	5	10	6.0	12	30n	75n	45n	350m	0	50	1	J0528	MP52a			
22	DBOS1193XB	5F	10M		6.0	1.0†	DTL	5	10	6.0	12	30n	75n	45n	350m	-20	75	1	J0528	M52			
23	DBOS1193XBN	5F	10M		6.0	1.0†	DTL	5	10	6.0	12	30n	75n	45n	350m	-20	75	1	J0528	MP52a			
24	DBOS1193XC	5F	10M		6.0	1.0†	DTL	5	10	6.0	12	30n	75n	45n	350m	-40	100	1	J0528	M52			
25	DBOS1193XCN	5F	10M		6.0	1.0†	DTL	5	10	6.0	12	30n	75n	45n	350m	-40	100	1	J0528	MP52a			
26	DBOS1193XD	5F	10M		6.0	1.0†	DTL	5	10	6.0	12	30n	75n	45n	350m	-55	125	1	J0528	M52			
27	DBOS1193XDN	5F	10M		6.0	1.0†	DTL	5	10	6.0	12	30n	75n	45n	350m	-55	125	1	J0528	MP52a			
28	DCOS1193XA	5F	10M		6.0	1.0†	DTL	5	10	6.0	12	30n	75n	45n	350m	0	50	1	J0528	CB29			
29	DCOS1193XB	5F	10M		6.0	1.0†	DTL	5	10	6.0	12	30n	75n	45n	350m	-20	75	1	J0528	CB29			
30	DCOS1193XC	5F	10M		6.0	1.0†	DTL	5	10	6.0	12	30n	75n	45n	350m	-40	100	1	J0528	CB29			
31	DCOS1193XD	5F	10M		6.0	1.0†	DTL	5	10	6.0	12	30n	75n	45n	350m	-55	125	1	J0528	CB29			
32	4306	5F	330k	PCB	0.0	-3.0	RCT	2	7	15	10	1.0u	60n	190n	1.8	500m	-20	55	3	J0531	CB7		
33	OS21	5F	100k	PCB	0.0	-1.0	RCT	3Δ	10	12	6.0	1.5u	1.0u	4.0u	1.5	20	55	2	J058	CB10			
34	OS1	5F	300k	PCB	0.0	-1.0	RCT	3Δ	10	12	6.0	1.0u	500n	1.0u	180m	1.5	-20	55	2	J058	CB10		
35	OS1A	5F	2.0M	PCB	0.0	-1.0	RCT	3Δ	7	12	6.0	200n	150n	250n	200m	1.5	-20	55	2	J058	CB10		
36	OS2	5F	5.0M	PCB	0.0	-1.0	RCT	3Δ	7	12	6.0	150n	100n	100n	200m	1.5	-20	55	2	J058	CB10		
37	B895001	5F	100k	3DM	6.0	0.0	RCT	4	10	6.0	6.0	200n	1.0u	1.8u	160m	1.5	-20	60	1	J054	M4		
38	SOS21	5F	300k	PCB	8.0	0.0	RCT	3Δ	10	12	12	1.0u	500n	1.0u	200m	1.5	-40	75	2	J058	CB10		
39	SOS1	5F	1.5M	PCB	8.0	0.0	RCT	3Δ	10	12	12	200n	150n	250n	200m	1.5	-40	75	2	J058	CB10		
40	B895004	5F	100k	3DM	6.0	0.0	RDL	6	6	6.0	6.0	6.0	6.0	6.0	200m	1.0	0	70	1	J055	TO116		
41	74121DM	5F.S		MON	2.0%	.80*	TTL	3	10	0.0	5.0	40n			115m†	1.0	0	70	1	J0447	FP21h		
42	74121FC	5F.S		MON	2.0%	.80*	TTL	3	10	0.0	5.0	20n			90m†	1.0	0	70	1	J0447	FP21h		
43#	FJK101	5F.S		MON	2.0%	.80*	TTL	3	10	0.0	5.0				90m†	400m	0	70	1	J0580	TO116		
44#	GFB74121	5F.S		MON	2.0%	.80*	TTL	3	10	0.0	5.0				90m†	400m	0	70	1	J0580	TO116		
45#	NC74121N	5F.S		MON	2.0%	.80*	TTL	3	10	0.0	5.0				115m†	1.0	0	70	1	J0580	TO116		
46	SN54121N	5F.S		MON	2.0%	.80*	TTL	3	10	0.0	5.0	30n			115m†	1.0	Δ	-55	125	1	J0592	M126	
47	SN74121W	5F.S		MON	2.0%	.80*	TTL	3	10	0.0	5.0	30n			115m†	1.0	Δ	0	70	1	J0592	TO84	
48	SN74121J	5F.S		MON	2.0%	.80*	TTL	3	10	0.0	5.25	30n			200m†	1.0	0	70	1	J0592	M114		
49	SN54221N	5F.S		MON	3.4	.20†	TTL	3	10	0.0	5.0	20n	20n	20n	400m†	1.0	Δ	-55	125	2	J05101	M117	
50	SN74221W	5F.S		MON	3.4	.20†	TTL	3	10	0.0	5.0	20n	20n	20n	400m†	1.0	Δ	0	70	2	J05101	Δ004AG	
51	4303	5F.G	1.6M		-3.0	0.0	RCT	4	9	15	10	3.4u	40n	60n	1.1	500m	-20	55	1	J0530	CB7		
52	SW74121N	5F.S		MON	2.0%	.80*	TTL	3	10	0.0	5.25	30n			200m†	1.0	0	70	1	J0592	M105n		
53	TRW74121	5F.S		MON	2.0%	.80	TTL	3	10	0.0	5.0	30n			200m†	1.0	0	70	1	J0592	M105n		
54#	FCK101	5F.S		MON	2.2	1.0	DTL	2	8	0	8.0	100n			110m	0	70	1	J0576	TO116			
55	8203	5G	1.0M	TFH	3.0	0.0	DTL	1	1	10	6.0	30n	20n	10n	170m	-55	125	1	J0514	M7			
56	4301	5G	130k		-3.0	0.0	RCT	2Δ	12	15	10	2.5u	100n	10n	1.2	500m	-20	55	1	J0529	CB7		
57	1304	5G	1.5M		-3.0	0.0	RCT	2Δ	12	15	10	250n	10n	20n	1.2	500m	-20	55	1	J0529	CB7		
58	8303	5G	6.5M	PCB	-3.0	0.0	RCT	2Δ	14	15	10	50n	15n	20n	4.5	500m	-20	55	1	J0532	CB7		
59	8304	5G	6.5M	PCB	-3.0	0.0	RCT	2Δ	14	15	10	50n	10n	10n	4.5	500m	-20	55	1	J0529	CB7		
60	DF216CJ	6	3.2M	MOS	2.7	.80	CMS	2		0.0	5.0	100m\$			10m%	0	70	1	J069	M583			
61	CM4045AD	6		MOS	10	0.0†	CMS	1	1	0.0	10				4.5	Δ	-55	125	1	J063	M7		
62	CM4045AE	6		MOS	10	0.0†	CMS	1	1	0.0	10				4.5	Δ	-40	85	1	J063	M7		
63	CD4045AK	6	10M%	MOS	10	0.0†	CMS	1	1	0.0	10	2.4uΔ			4.5	Δ	-55	125	1	J063	Δ004AG		
64	4045BDC	6		MOS	11%	4.0*	CMS	1	25E	0.0	15				6.7	Δ	-40	85	1	J0610	M561		
65	4045BDM	6		MOS	11%	4.0*	CMS	1	25E	0.0	15				6.7	Δ	-55	125	1	J0610	M561		
66	4045BFC	6		MOS	11%	4.0*	CMS	1	25E	0.0	15				6.7	Δ	-40	85	1	J0610	FP103		
67	4045BFM	6		MOS	11%	4.0*	CMS	1	25E	0.0	15				6.7	Δ	-55	125	1	J0610	FP103		
68	4045BPC	6		MOS	11%	4.0*	CMS	1	25E	0.0	15				6.7	Δ	-40	85	1	J0611	M562		
69	4722BDC	6		MOS	11%	4.0*	CMS	3	25E	0.0	15				6.7	Δ	-40	85	1	J0611	M561		
70	4722BDM	6		MOS	11%	4.0*	CMS	3	25E	0.0	15				6.7	Δ	-55	125	1	J0611	M561		
71	4722BFC	6		MOS	11%	4.0*	CMS	3	25E	0.0	15				6.7	Δ	-40	85	1	J0611	FP103		
72	4722BFM	6		MOS	11%	4.0*	CMS	3	25E														

11. COUNTERS

IN ORDER OF: (1)TYPE OF COUNTER (2)LOG. TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	TYPE No.	TYPE OF COUNTER	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. TEMP.		MAX. PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		DRAWINGS		
					LEVEL	TYPE	IN	OUT MAX.	NEG (V)	POS (V)	RISE TIME (s)		FALL TIME (s)	LOW			HI	LOGIC DWG. No	OUTLINE DWG. No Δ=MO		
																				3	4
1	DDC369	1	2.0M	PCM	0.0	6.0	1	8	12	6.0	60n	2.4	95n	200n	1.5	-55	71	2	E0130		
2	CuL958	1	2.0M	MON	1.4	.45	2		2.0	6.0	200n	0		135m	0	0	75	1	E0110	CN37	
3#	T156D2	1		MON	1.7%	.90*	13		0.0	5.0	20n			350m		-55	125	1	E0146	M199	
4#	T157D2	1		MON	1.7%	.90*	9		0.0	5.0	20n			300m		-55	125	1	E0147	M200	
5#	T156D1	1		MON	1.8%	.85*	13		0.0	5.0	20n			350m		0	75	1	E0146	M199	
6#	T157D1	1		MON	1.8%	.85*	9		0.0	5.0	20n			300m		0	75	1	E0147	M200	
7	DM76L75D	1	13MΔ%		2.0%	.70*	9		0.0	5.0	140nΔ			32m		-55	125	1	E0179a	M224b	
8	DM76L75W	1	13MΔ%		2.0%	.70*	9		0.0	5.0	140nΔ			32m		-55	125	1	E0179a	FP88	
9	DM86L75W	1	13MΔ%		2.0%	.70*	9		0.0	5.0	140nΔ			32m		0	70	1	E0179a	FP88	
10	MPC2D	1	2.0M	PCB	3.0%	.40*	12	16	0.0	5.0	75n		100n	250m	1.0	0	70	2	E066	CB53	
11	B100-10	1	2.0M	PCB	5.0		2		0	15	10					-20	85	1	E017	CB27	
12	M10022	1	300k	3DM	8.0	0.0				30								1		M40	
13	PL4C07CF	1	100k	MOS	-2.0*	-9.0%	4		29	0				500m	1.0	0	70	1		FP33	
14	PL4C07CP	1	100k	MOS	-2.0*	-9.0%	4		29	0				500m	1.0	0	70	1		TO116	
15	PL4C07ACF	1	500k	MOS	-2.0*	-9.0%	4		29	0				500m	1.0	0	70	1		FP33	
16	PL4C07ACP	1	500k	MOS	-2.0*	-9.0%	4		29	0				500m	1.0	0	70	1		TO116	
17#	FEJ271	1	1.5MΔ	MON	-2.0%	-10*	4	4	21	0.0			1.0m			-10	75	1	E0170	M117q	
18	M10132	1	800k	3DM	-6.5	0.0			18	6								1		M40	
19	HD1-14522-2	1	5.0M	MOS	10	0.0			0.0	15	100n			1.0u	3.0	-55	125	1			
20	HD1-14522-9	1	5.0M	MOS	10	0.0			0.0	15	100n			1.0u	3.0	-40	85	1			
21	HD1-14526-2	1	5.0M	MOS	10	0.0			0.0	15	100n			1.0u	3.0	-55	125	1			
22	HD1-14526-9	1	5.0M	MOS	10	0.0			0.0	15	100n			1.0u	3.0	-40	85	1			
23	HD9-14522-2	1	5.0M	MOS	10	0.0			0.0	15	100n			1.0u	3.0	-55	125	1			
24	HD9-14522-9	1	5.0M	MOS	10	0.0			0.0	15	100n			1.0u	3.0	-40	85	1			
25	HD9-14526-2	1	5.0M	MOS	10	0.0			0.0	15	100n			1.0u	3.0	-55	125	1			
26	HD9-14526-9	1	5.0M	MOS	10	0.0			0.0	15	100n			1.0u	3.0	-40	85	1			
27	HD1-14520-2	1	6.0M	MOS	10	0.0			0.0	15	100n			4.0u	3.0	-55	125	2			
28	HD1-14520-9	1	6.0M	MOS	10	0.0			0.0	15	100n			4.0u	3.0	-40	85	2			
29	HD9-14520-2	1	6.0M	MOS	10	0.0			0.0	15	100n			4.0u	3.0	-55	125	2			
30	HD9-14520-9	1	6.0M	MOS	10	0.0			0.0	15	100n			4.0u	3.0	-40	85	2			
31#	MP107B	1	200kΔ	MOS	10%	3.5*			24	0.0				275m		-20	70	1	E0181	CN58	
32#	MP108B	1	200kΔ	MOS	10%	3.5*			24	0.0				200m		-20	70	1	E0181	CN58	
33#	MP123B	1	200kΔ	MOS	10%	3.5*			24	0.0				150m		-20	70	1	E0181	CN58	
34#	MP125B	1	200kΔ	MOS	10%	3.5*			24	0.0				200m		-20	70	1	E0181	M307	
35#	MP127B	1	200kΔ	MOS	10%	3.5*			24	0.0				200m		-20	70	1	E0181	M307	
36	371CG	1	2.0M	MON	12	.40†			4	0.0	12			350m	5.0 Δ	-30	85	1	E0149	CN69	
37	371CN	1	2.0M	MON	12	.40†	8	4	4	0.0	12	300n	100n	120n	350m	5.0 Δ	-30	85	1	E0149	M204
38	372CG	1	2.0M	MON	12	.40†	8	4	4	0.0	12	300n	100n	120n	350m	5.0 Δ	-30	85	1	E0150	CN69
39	372CN	1	2.0M	MON	12	.40†	8	4	4	0.0	12	300n	100n	120n	350m	5.0 Δ	-30	85	1	E0150	M204
40#	MP120B	1	1.0MΔ	MOS	-10%	3.5*	9		24	0.0				70m†		-20	70	4	E0163	M184a	
41	CD40192BH	1	7.0MΔ	MOS	0.0	10†	CMS	4		0.0	10	100n		500m	1.0 *	-55	125	2	E01110	CHZ	
42	CD40192BK	1	7.0MΔ	MOS	0.0	10†	CMS	4		0.0	10	100n		500m	1.0 *	-55	125	2	E01110	Δ004AF	
43	TP4518AN	1		MOS	7.0%	3.0*	CMS	3	6E	0.0	10			400u*	2.0 *	-40	85	2	E0175	M117x	
44	TP4522AN	1		MOS	7.0%	3.0*	CMS	9	6E	0.0	10			400u*	2.0 *	-40	85	1	E0177	M117x	
45	CD40102AD	1	2.0MΔ	MOS	9.95%	.05*†	CMS			0.0	10	250n		200m		-55	125	1	E01109	Δ001AE	
46	CD40102AE	1	2.0MΔ	MOS	9.95%	.05*†	CMS			0.0	10	250n		200m		-55	125	1	E01109	Δ001AC	
47	CD40102AF	1	2.0MΔ	MOS	9.95%	.05*†	CMS			0.0	10	250n		200m		-55	125	1	E01109	Δ001AC	
48	CD40102AK	1	2.0MΔ	MOS	9.95%	.05*†	CMS			0.0	10	250n		200m		-55	125	1	E01109	Δ004AG	
49	CD40102AY	1	2.0MΔ	MOS	9.95%	.05*†	CMS			0.0	10	250n		200m		-55	125	1	E01109	Δ001AC	
50	CD4510BK	1	4.0MΔ	MOS	9.95%	.05*†	CMS			0.0	10	240nΔ		100u*	2.0	-55	125	1	E01108	Δ004AG	
51	SCL4518BD	1	5.0M%	MOS	9.95%	.05*†	CMS	3	50	0.0	10	200nΔ		100u*	3.0	-55	125	2	E0175	Δ001AE	
52	SCL4518BF	1	5.0M%	MOS	9.95%	.05*†	CMS	3	50	0.0	10	200nΔ		100u*	3.0	-55	125	2	E0175	Δ004AH	
53	SCL4522BD	1	5.0M%	MOS	9.95%	.05*†	CMS	9	50	0.0	10	320nΔ		100u*	3.0	-55	125	1	E0177	Δ001AE	
54	SCL4522BF	1	5.0M%	MOS	9.95%	.05*†	CMS	9	50	0.0	10	320nΔ		100u*	3.0	-55	125	1	E0177	Δ004AH	
55	SCL4510BD	1	6.0M%	MOS	9.95%	.05*†	CMS	9	50	0.0	10	250nΔ		100u*	3.0	-55	125	1	E0199	Δ001AE	
56	SCL4510BF	1	6.0M%	MOS	9.95%	.05*†	CMS	9	50	0.0	10	250nΔ		100u*	3.0	-55	125	1	E0199	Δ004AH	
57	SCL4426AC	1	5.0M%	MOS	9.99%	.01*†	CMS			0.0	10	500nΔ	15uΔ	15uΔ	60m*	4.5	-55	125	1	E057	M475d
58	SCL4426AD	1	5.0M%	MOS	9.99%	.01*†	CMS			0.0	10	500nΔ	15uΔ	15uΔ	60m*	4.5	-55	125	1	E057	M475e
59	SCL4426AE	1	5.0M%	MOS	9.99%	.01*†	CMS			0.0	10	500nΔ	15uΔ	15uΔ	60m*	4.5	-40	85	1	E057	M475f
60	SCL4426AF	1	5.0M%	MOS	9.99%	.01*†	CMS			0.0	10	500nΔ	15uΔ	15uΔ	60m*	4.5	-55	125	1	E057	FP111
61	SCL4426AH	1	5.0M%	MOS	9.99%	.01*†	CMS			0.0	10	500nΔ	15uΔ	15uΔ	60m*	4.5	-55	125	1	E057	FCZ
62	SCL4433AC	1	5.0M%	MOS	9.99%	.01*†	CMS			0.0	10	500nΔ	15uΔ	15uΔ	60m*	4.5 Δ	-55	125	1	E058	M475d
63	SCL4433AD	1	5.0M%	MOS	9.99%	.01*†	CMS			0.0	10	500nΔ	15uΔ	15uΔ	60m*	4.5 Δ	-55	125	1	E058	M475e
64	SCL4433AE	1	5.0M%	MOS	9.99%	.01*†	CMS			0.0	10	500nΔ	15uΔ	15uΔ	60m*	4.5 Δ	-40	85	1	E058	M475f
65	SCL4433AF	1	5.0M%	MOS	9.99%	.01*†	CMS			0.0	10	500nΔ	15uΔ	15uΔ	60m*	4.5 Δ	-55	125	1	E058	FP111
66	SCL4433AH	1	5.0M%	MOS	9.99%	.01*†	CMS			0.0	10	500nΔ	15uΔ	15uΔ	60m*	4.5 Δ	-55	125	1	E058	FCZ
67	CD4518BH	1	6.0M%	MOS	9.99%	.01*†	CMS	3		0.0	10	260nΔ		200m	4.5 Δ	-55	125	2	E0198	FCZ	
68	SCL4510AC	1	6.0M%	MOS	9.99%	.01*†	CMS			0.0	10	300nΔ	15uΔ	15uΔ	100u*	4.5 Δ	-55	125	1	E0199	M475d
69	SCL4510AD	1	6.0M%	MOS	9.99%	.01*†	CMS			0.0	10	300nΔ	15uΔ	15uΔ	100u*	4.5 Δ	-55	125	1	E0199	M475e
70	SCL4510AE	1	6.0M%	MOS	9.99%	.01*†	CMS			0.0	10	300nΔ	15uΔ	15uΔ	100u*	4.5 Δ	-40	85	1	E0199	M475f
71	SCL4510AF	1	6.0M%	MOS	9.99%	.01*†	CMS			0.0	10	300nΔ	15uΔ	15uΔ	100u*	4.5 Δ	-55	125	1	E0199	FP111
72	SCL4510AH	1	6.0M%	MOS	9.99%	.01*†	CMS			0.0	10	300nΔ	15uΔ	15uΔ	100u*	4.5 Δ	-55	125	1	E0199	FCZ
73	SCL4518AC	1	10M%	MOS	9.99%	.01*†	CMS	3		0.0	10	175nΔ	5.0uΔ	5.0uΔ	100u*	4.5 Δ	-55	125	2	E0175	M475d
74	SCL4518AD	1	10M%	MOS	9.99%	.01*†	CMS	3		0.0	10	175nΔ	5.0uΔ	5.0uΔ	100u*	4.5 Δ	-55	125	2	E0175	M475e
75	SCL4518AE	1	10M%	MOS	9.99%	.01*†	CMS	3		0.0	10										

11. COUNTERS

IN ORDER OF: (1)TYPE OF COUNTER (2)LOG. TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF COUNTER	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN		POWER SUPPLY SPAN (V)	PROPAGATION DELAY (s)	MAX. TIME		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS				
					LEVEL	TYPE	IN	OUT MAX.	RISE tr (s)			FALL tf (s)	LOW °C			HI °C	LOGIC DWG. No		OUTLINE DWG. No Δ=MO				
																				'1' (V)	'0' (V)	2	
1#	MIC372-1D1	1	2.0M	MON	6.5%	5.0*	DTL	7	5	0.0	15	200nt	140nt	60nt	240ms	5.0 Δ	-55	125	1	E0150	M200d		
2#	MIC372-5D	1	2.0M	MON	6.5%	5.0*	DTL	7	5	0.0	12	500n	2.0u	2.0u	660m		-30	85	1	E0150	M200d		
3#	MIC372-5D1	1	2.0M	MON	6.5%	5.0*	DTL	7	5	0.0	15	500n	2.0u	2.0u	660m		-30	70	1	E0150	M200d		
4#	FZJ145	1	500k	MON	7.5%	4.5*	DTL	8	10	0.0	12									E0169	M117aa		
5	N100	1	250k	3DM	-3.0	-11	DTL	2	2	12	12						-25	85	1		M64a		
6	N101	1	250k	3DM	-3.0	-11	DTL	2	2	12	12						-54	65	1		M64		
7	N104	1	250k	3DM	-3.0	-11	DTL	2	2	12	12						-54	65	1		M64a		
8	N111	1	250k	3DM	-3.0	-11	DTL	2	2	12	12						-54	71	1		M64		
9	N113	1	250k	3DM	-3.0	-11	DTL	2	2	12	12						-54	65	1		M64a		
10	N114	1	250k	3DM	-3.0	-11	DTL	2	2	12	12						-54	65	1		M64a		
11	N118	1	250k	3DM	-3.0	-11	DTL	2	2	12	12						-54	65	1		M64		
12	N119	1	250k	3DM	-3.0	-11	DTL	2	2	12	12						-54	65	1		M64		
13	N120	1	250k	3DM	-3.0	-11	DTL	2	2	12	12						-54	65	1		M64a		
14	N127	1	250k	3DM	-3.0	-11	DTL	2	2	12	12						-54	65	1		M64a		
15	N135	1	250k	3DM	-3.0	-11	DTL	2	2	12	12						-54	71	1		M64a		
16	N136	1	250k	3DM	-3.0	-11	DTL	2	2	12	12						-54	71	1	E0124	M64a		
17	N138	1	250k	3DM	-3.0	-11	DTL	2	2	12	12						-54	71	1		M64a		
18	N137	1	1.0M	3DM	-3.0	-11	DTL	2	2	12	12						-54	71	1		M64		
19	N109	1	5.0M	3DM	-3.0	-11	DTL	2	1	12	0						-54	71	1		M64		
20#	SP637B	1	400M		.40#%		ECL	3		5.2	0.0						0	70	1		M308		
21#	SP639B	1	500M		.40#%		ECL	3		5.2	0.0						0	70	1		M308		
22#	SP635B	1	600M		.40#%		ECL	3		5.2	0.0						0	70	1		M308		
23#	SP634B	1	700M		.40#%		ECL	3		5.2	0.0						0	70	1		M308		
24	F10010FC	1	200M%	MON	-96%	-1.6*†	ECT	8		80G	5.2	0.0					5.0n	598m%	145m*	E01133	FP103		
25	F10010PC	1	200M%	MON	-96%	-1.6*†	ECT	8		80G	5.2	0.0					5.0n	598m%	145m*	E01133	M562		
26	4XD	1	200k	PCB	-1.0	0.0	RCT	3†			12	12						550m		E0113	CB19		
27	4XH	1	1.0M	PCB	-1.0	0.0	RCT	3†			12	12						700m		E0113	CB19		
28#	958-9-6B	1	2.0M%	MON	1.2%	.45*	RTL	2		0.0	4.3							140m†		E0110	M200		
29	9306-1-6N	1	15M%	MON	1.7%	.90*	TTL	14	6	0.0	5.0	40nΔ					350m†	400m	-55	125	1	E0146	M151
30#	MIC9310-1D	1	15M%	MON	1.7%	.90*	TTL	4	6	0.0	5.0	20n					300m†		-55	125	1	E0147	M153a
31#	MIC64160J	1	15M%	MON	1.7%	.90*	TTL	4	6	0.0	5.0	20n					300m†	400m	0	70	1	E0147	M153a
32	9306-9-6N	1	15M%	MON	1.8%	.85*	TTL	14	6	0.0	5.0	40nΔ					350m†		0	70	1	E0146	M151
33	9310FC	1	15M%	MON	1.8%	.85*	TTL	12	6	0.0	5.0	35nΔ					300m†	400m	0	70	1	E0147	FP47a
34#	MIC9310-5D	1	15M%	MON	1.8%	.85*	TTL	4	6	0.0	5.0	20n					300m†		0	75	1	E0147	M153a
35	9LS160DM	1		MON	2.0%	.70*	TTL	9	2.5	0.0	5.0	18n					160m%	300m	-55	125	1	E0147	M200
36	9LS160FM	1		MON	2.0%	.70*	TTL	9	2.5	0.0	5.0	18n					160m%	300m	-55	125	1	E0147	FP47b
37	9LS162DM	1		MON	2.0%	.70*	TTL	9	2.5	0.0	5.0	18n					160m%	300m	-55	125	1	E0147	M200
38	9LS162FM	1		MON	2.0%	.70*	TTL	9	2.5	0.0	5.0	18n					160m%	300m	-55	125	1	E0147	FP47b
39	54LS160DM	1		MON	2.0%	.70*	TTL	9	2.5	0.0	5.0	18n					160m%	300m	-55	125	1	E0147	M200
40	54LS162DM	1		MON	2.0%	.70*	TTL	9	2.5	0.0	5.0	18n					160m%	300m	-55	125	1	E0147	M200
41	JANM38510/31513BFB	1	18M	MON	2.0%	.70*	TTL	8	10D	0.0	5.0	80nΔ					193m		-55	125	1	E02187	FP117
42	JANM38510/31513CFB	1	18M	MON	2.0%	.70*	TTL	8	10D	0.0	5.0	80nΔ					193m		-55	125	1	E02187	FP117
43#	FJB93L10	1	20M%	MON	2.0%	.70*	TTL	10	8	0.0	5.0	60nΔ					85m†		0	70	1	E0147	M210a
44	JANM38510/31503BFB	1	22M	MON	2.0%	.70*	TTL	9	10D	0.0	5.0	56nΔ					176m		-55	125	1	E0166	FP117
45	JANM38510/31503CFB	1	22M	MON	2.0%	.70*	TTL	9	10D	0.0	5.0	56nΔ					176m		-55	125	1	E0166	FP117
46	JANM38510/31511BFB	1	22M	MON	2.0%	.70*	TTL	9	10D	0.0	5.0	56nΔ					176m		-55	125	1	E0166a	FP117
47	JANM38510/31511CFB	1	22M	MON	2.0%	.70*	TTL	9	10D	0.0	5.0	56nΔ					176m		-55	125	1	E0166a	FP117
48	JANM38510/31501BDB	1	29M	MON	2.0%	.70*	TTL	6	10D	0.0	5.0	81nΔ					83m		-55	125	1	E01145	FP116
49	JANM38510/31501CDB	1	29M	MON	2.0%	.70*	TTL	6	10D	0.0	5.0	81nΔ					83m		-55	125	1	E01145	FP116
50	SN54LS168AJ	1	32M	MON	2.0%	.70*	TTL	10	10	0.0	5.0	35nΔ					170m†		-55	125	1	E01117	M153d
51	SN54LS168AW	1	32M	MON	2.0%	.70*	TTL	10	10	0.0	5.0	35nΔ					170m†		-55	125	1	E01117	Δ004AG
52	25LS160CH#2	1	40M	MON	2.0%	.70*	TTL	9	20	0.0	5.0	35nΔ					160m%	250m*	-55	125	1	E0166	CH66
53	25LS160J#2	1	40M	MON	2.0%	.70*	TTL	9	20	0.0	5.0	35nΔ					160m%	250m*	-55	125	1	E0166	M200h
54	25LS160W#2	1	40M	MON	2.0%	.70*	TTL	9	20	0.0	5.0	35nΔ					160m%	250m*	-55	125	1	E0166	FP101b
55	25LS162CH#2	1	40M	MON	2.0%	.70*	TTL	9	20	0.0	5.0	35nΔ					160m%	250m*	-55	125	1	E0166a	CH66
56	25LS162J#2	1	40M	MON	2.0%	.70*	TTL	9	20	0.0	5.0	35nΔ					160m%	250m*	-55	125	1	E0166a	M200h
57	25LS162W#2	1	40M	MON	2.0%	.70*	TTL	9	20	0.0	5.0	35nΔ					160m%	250m*	-55	125	1	E0166a	FP101b
58	SN54LS196N	1	50MΔ	MON	2.0%	.70*	TTL	8	20	0.0	5.0	28nΔ					60m%	1.0 Δ	-55	125	1	E0157a	M126e
59	9LS196DM	1	60M	MON	2.0%	.70*	TTL	8	2.5	0.0	5.0	26n					100m%	300m	-55	125	1	E01112	TO116
60	9LS196FM	1	60M	MON	2.0%	.70*	TTL	8	2.5	0.0	5.0	26n					100m%	300m	-55	125	1	E01112	TO86
61	9LS160DC	1		MON	2.0%	.80*	TTL	9	5	0.0	5.0	18n					160m%	300m	0	75	1	E0147	M200
62	9LS160FC	1		MON	2.0%	.80*	TTL	9	5	0.0	5.0	18n					160m%	300m	0	75	1	E0147	FP47b
63	9LS160PC	1		MON	2.0%	.80*	TTL	9	5	0.0	5.0	18n					160m%	300m	0	75	1	E0147	M267b
64	9LS162DC	1		MON	2.0%	.80*	TTL	9	5	0.0	5.0	18n					160m%	300m	0	75	1	E0147	M200
65	9LS162FC	1		MON	2.0%	.80*	TTL	9	5	0.0	5.0	18n					160m%	300m	0	75	1	E0147	FP47b
66	9LS162PC	1		MON	2.0%	.80*	TTL	9	5	0.0	5.0	18n					160m%	300m	0	75	1	E0147	M267b
67	74LS160DC	1		MON	2.0%	.80*	TTL	9	5	0.0	5.0	18n					160m%	300m	0	75	1	E0147	M200
68	74LS160FC	1		MON	2.0%	.80*	TTL	9	5	0.0	5.0	18n					160m%	300m	0	75	1	E0147	FP47b
69	74LS162DC	1		MON	2.0%	.80*	TTL	9	5	0.0	5.0	18n					160m%	300m	0	75	1	E0147	M200
70	74LS162FC	1		MON	2.0%	.80*	TTL	9	5	0.0	5.0	18n					160m%	300m	0	75	1	E0147	FP47b
71	SN54L192N	1	7.0MΔ	MON	2.0%	.80*	TTL	8	10	0.0	5.0	135nΔ					43m†		-55	125	1	E0329	M117x
72	9310PCΔ	1	15M%	MON	2.0%	.80*	TTL	10	6	0.0	5.0	50nΔ					470m†	400m	0	70	1	E0147	M591
73	DC910	1	15M	PCB	2.0%	.80*	TTL	10															

11. COUNTERS

IN ORDER OF: (1)TYPE OF COUNTER (2)LOG. TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	TYPE No.	TYPE OF COUNTER	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)		MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS LOGIC DWG. No	DRAWINGS OUTLINE DWG. No Δ=MO
					LEVEL	TYPE	IN	OUT MAX.	NEG (V)	POS (V)	tr		tf	LOW °C				HI °C				
																			'1' (V)			
1	S1280A	1	25M	MON	2.0%	.80*	TTL	8	4†	0.0	6.0	52nΔ			250m		0	70	1	E0182	M105	
2	S54190B	1	25M	AMON	2.0%	.80*	TTL	8	20	0.0	5.0				525m	1.0 †	-55	125	1	E0132	M317	
3	SE1280A	1	25M	MON	2.0%	.80*	TTL	8	4†	0.0	6.0				250m		0	70	1	E0132	M105	
4	SN54160N	1	25M	MON	2.0%	.80*	TTL	9	20	0.0	5.0	35nΔ			455m	1.0 Δ	-55	125	1	E0164	M117	
5	SN54161N	1	25M	MON	2.0%	.80*	TTL	9	20	0.0	5.0	35nΔ			455m	1.0 Δ	-55	125	1	E0166	M117	
6	SN54190N	1	25M	AMON	2.0%	.80*	TTL	8		0.0	5.0	50nΔ	10n	10n	325m†		-55	125	1	E0320	M117m	
7	SN74160W	1	25M	MON	2.0%	.80*	TTL	9	20	0.0	5.0	35nΔ			455m	1.0 Δ	0	70	1	E0164	T084	
8	SW74192J	1	25M	MON	2.0%	.80*	TTL	4	10	0.0	5.25	20n†			341m†		0	70	1	E0148	M153	
9	SW74192N	1	25M	MON	2.0%	.80*	TTL	4	10	0.0	5.25	20n†			341m†		0	70	1	E0148	M117	
10	SW74193J	1	25M	MON	2.0%	.80*	TTL	4	10	0.0	5.25	20n†			341m†		0	70	1	E0148	M153	
11	SW74193N	1	25M	MON	2.0%	.80*	TTL	4	10	0.0	5.25	20n†			341m†		0	70	1	E0148	M117	
12#	T74192B1	1	25M	MON	2.0%	.80	TTL	8	10	0.0	5.0	47nΔ			510m		0	70	1	E0148	M126s	
13#	T74192D1	1	25M	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			510m		0	70	1	E0148	M294d	
14#	T74192D2	1	25M	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			510m		-55	125	1	E0148	M294d	
15#	TL74190N	1	25M†	MON	2.0%	.80*	TTL	10	10	0.0	5.0	52nΔ			551m†		0	70	1	E0320	M117u	
16	9360FC	1	30M	MON	2.0%	.80*	TTL	8	6	0.0	5.0	47nΔ			300m†		0	75	1	E0148	FP47b	
17	DM7530D	1	30M	MON	2.0%	.80*	TTL	8	10	0.0	5.0	20n†			250m†	1.0	-55	125	1			
18#	FJB9360	1	30M	AMON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			300m†		0	70	1	E0171	M210a	
19	54162DM	1	32M	MON	2.0%	.80*	TTL	9	10	0.0	5.0	38nΔ			305m†	400m*	-55	125	1	E0166	M563	
20#	MIC54192J	1	32M	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			325m†		-55	125	1	E0148	M153g	
21#	MIC64192J	1	32M	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			325m†		-40	85	1	E0148	M153a	
22#	MIC74192J	1	32M	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			325m†		0	75	1	E0148	M153g	
23#	MIC74192N	1	32M	MON	2.0%	.80*	TTL	8	10	0.0	5.0	47nΔ			325m†		0	75	1	E0148	M117ab	
24	N74160B	1	32M	AMON	2.0%	.80*	TTL	10	20	0.0	5.0	35nΔ			505m	1.0 †	0	70	1	E0164	M317	
25	N74162B	1	32M	AMON	2.0%	.80*	TTL	10	20	0.0	5.0	35nΔ			505m	1.0 †	0	70	1	E0164	M317	
26	S54160B	1	32M	AMON	2.0%	.80*	TTL	10	20	0.0	5.0	35nΔ			455m	1.0 †	-55	125	1	E0164	M317	
27	S54162B	1	32M	AMON	2.0%	.80*	TTL	10	20	0.0	5.0	35nΔ			455m	1.0 †	-55	125	1	E0164	M317	
28	SN54192N	1	32M	MON	2.0%	.80*	TTL	8	60	0.0	5.0	47nΔ			325m†		-55	125	1	E0148	M117	
29	SN74192W	1	32M	MON	2.0%	.80*	TTL	8	60	0.0	5.0	47nΔ			325m†		0	70	1	E0148	T084	
30	SW74160J	1	32M	MON	2.0%	.80*	TTL	4		0.0	5.0	35nΔ	10n	10n	325m†		0	70	1	E0164	M117	
31	SW74162J	1	32M	MON	2.0%	.80*	TTL	4		0.0	5.0	35nΔ	10n	10n	325m†		0	70	1	E0164	M117	
32#	TL74180N	1	32M†	MON	2.0%	.80*	TTL	10	20	0.0	5.0	35nΔ			511m†		0	70	1	E0164	M117u	
33#	TL74162N	1	32M†	MON	2.0%	.80*	TTL	10	20	0.0	5.0	35nΔ			511m†		0	70	1	E0164	M117u	
34#	TL74192N	1	32M†	MON	2.0%	.80*	TTL	10	10	0.0	5.0	47nΔ			535m†		0	70	1	E0148	M117u	
35#	TL84192N	1	32M†	MON	2.0%	.80*	TTL	10	10	0.0	5.0	47nΔ			535m†		-25	85	1	E0148	M117u	
36	25LS160CH#1	1	40M	MON	2.0%	.80*	TTL	9	20	0.0	5.0	35nΔ			160m	350m*	0	70	1	E0166	CH66	
37	25LS180J#1	1	40M	MON	2.0%	.80*	TTL	9	20	0.0	5.0	35nΔ			160m	350m*	0	70	1	E0166	M200h	
38	25LS180W#1	1	40M	MON	2.0%	.80*	TTL	9	20	0.0	5.0	35nΔ			160m	350m*	0	70	1	E0166	FP101b	
39	25LS162CH#1	1	40M	MON	2.0%	.80*	TTL	9	20	0.0	5.0	35nΔ			160m	350m*	0	70	1	E0166a	CH66	
40	25LS162J#1	1	40M	MON	2.0%	.80*	TTL	9	20	0.0	5.0	35nΔ			160m	350m*	0	70	1	E0166a	M200h	
41	74LS490DC	1	40M	MON	2.0%	.80*	TTL	3	22D	0.0	5.0	45nΔ			130m	300m*	0	70	2	E01148	M561	
42	74290DC	1	40M	MON	2.0%	.80*	TTL	6	10	0.0	5.0	50nΔ			160m	400m*	0	70	1	E0131	M294q	
43	74290FC	1	40M	MON	2.0%	.80*	TTL	6	10	0.0	5.0	50nΔ	10n†	10n†	160m	400m*	0	70	1	E0131	FP52	
44#	FJB9310	1	45M	AMON	2.0%	.80*	TTL	10	8	0.0	5.0	45nΔ			325m†		0	70	1	E0147	M210a	
45	SN54196N	1	50M	MON	2.0%	.80*	TTL	8		0.0	5.0	38nΔ			240m†		-55	125	1	E0157	M126e	
46	9LS196DC	1	60M	MON	2.0%	.80*	TTL	8	5	0.0	5.0	26n			100m	300m	0	75	1	E01112	T0116	
47	9LS196FC	1	60M	MON	2.0%	.80*	TTL	8	5	0.0	5.0	26n			100m	300m	0	75	1	E01112	T086	
48	9LS196FC	1	60M	MON	2.0%	.80*	TTL	8	5	0.0	5.0	26n			100m	300m	0	75	1	E01112	T0116	
49	54LS196DM	1	60M	MON	2.0%	.80*	TTL	8	5	0.0	5.0	26nΔ			100m	300m	-55	125	1	E01112	M294q	
50	74LS196DC	1	60M	MON	2.0%	.80*	TTL	8	5	0.0	5.0	26n			100m	300m	0	75	1	E01112	T0116	
51	74LS196FC	1	60M	MON	2.0%	.80*	TTL	8	5	0.0	5.0	26n			100m	300m	0	75	1	E01112	T086	
52#	FJB93196	1	70M	AMON	2.0%	.80*	TTL	8	4	0.0	5.0	63nΔ			240m†		0	70	1	E0157	Δ001AA	
53#	TL74196N	1	70M†	MON	2.0%	.80*	TTL	8	20	0.0	5.0	42nΔ			309m†		0	70	1	E0157	M126n	
54#	TL74197N	1	70M†	MON	2.0%	.80*	TTL	8	20	0.0	5.0	63nΔ			309m†		0	70	1	E0266	M126n	
55	D4210	1	10M	PCB	2.0%	.95*	TTL	6		0.0	5.0		10n†	10n†		1.0 Δ	0	75			CBJ	
56	SN5490AN	1	20M	MON	2.4%	.40*	TTL	6	10	0.0	5.0	50n	10n†	10n†	160m	1.0 Δ	-55	125	1	E0131	M75a	
57	SN5490J	1	20M	MON	2.4%	.40*	TTL	6	10	0.0	5.0	50n	10n†	10n†	160m	1.0 Δ	-55	125	1	E0131	M75a	
58	SN5492AN	1	20M	MON	2.4%	.40*	TTL	1	10	0.0	5.0	50n	10n†	10n†	160m	1.0 Δ	-55	125	1	E0234	M75a	
59	US7490A	1	20M	MON	2.4%	.40*	TTL	6	10	0.0	5.0	50n	10n†	10n†	160m	1.0 Δ	-55	125	1	E0131	M105b	
60	US7490J	1	20M	MON	2.4%	.40*	TTL	6	10	0.0	5.0	50n	10n†	10n†	160m	1.0 Δ	-55	125	1	E0131	T088	
61	MC4350L	1	35M†	MON	2.4%	.40*†	TTL	6	8	0.0	5.0				450m†		-55	125	1	K15353	M191	
62	MC54450F	1	40M†	MON	2.4%	.40*†	TTL	6	8	0.0	5.0				450m†		-55	125	1	K15353	FP85	
63	MC54450L	1	40M†	MON	2.4%	.40*†	TTL	6	8	0.0	5.0				450m†		-55	125	1	K15353	M191	
64	MC54450P	1	40M†	MON	2.4%	.40*†	TTL	6	8	0.0	5.0				450m†		-55	125	1	K15353	M278	
65	MC74450F	1	40M†	MON	2.4%	.40*†	TTL	6	8	0.0	5.0				450m†		0	75	1	K15353	FP85	
66	MC74450L	1	40M†	MON	2.4%	.40*†	TTL	6	8	0.0	5.0				450m†		0	75	1	K15353	M191	
67	MC74450P	1	40M†	MON	2.4%	.40*†	TTL	6	8	0.0	5.0				450m†		0	75	1	K15353	M278	
68	MC4350F	1	40M†	MON	2.4%	.80*†	TTL	6	8	0.0	5.0				450m†		-55	125	1	K15353	FP85	
69	54R192	1	35M		2.5	.40	TTL	6	10	0.0	5.0	34n			445m		-55	125				
70	74R192	1	35M		2.5	.40	TTL	8	10	0.0	5.0	34n			445m		0	75				
71	N8292A	1	10M†	MON	2.6%	.40†	TTL	8	4	0.0	5.0		5.0n	5.0n	69m		-55	125	1	E0249	M105q	
72	S8292A	1	10M†	MON	2.6%	.40†	TTL	8	4	0.0	5.0		5.0n	5.0								

11. COUNTERS

IN ORDER OF: (1)TYPE OF COUNTER (2)LOG. TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	TYPE No.	1 TYPE OF COUNTER	5 MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPA-GATION DELAY (s)	MAX. RISE TIME (tr)		MAX. FALL TIME (tf)		TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	MAX. TEMP.		CKT PER MOD	DRAWINGS	
					3 LEVEL	4 TYPE	2	IN	OUT MAX.	NEG (V)	POS (V)		100n	250n	100n	100n			LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=MO
1	MS14	1.2	1.0M	PCB	6.2	0.0	DTL	11		18	18	40n	100n	100n	1.6	2.5 *	-30	100	1		CB25		
2	4225	1.2	1.0	PCB	-3.0	0.0	RCT	1	6	15	10		100n	250n	2.3	300m	-20	55	8		CB2		
3	uPD8253 #2	1.2	2.0MΔ	MON	2.0%	.80*	TTL			0.0	5.0	300nΔ									E01159	M687	
4	RD801	1.6	4.0MΔ	MON	2.0%	.80*	TTL			0.0	5.0	300nΔ									E01159	M687	
5	RDXM/RDLM	1B	5.0M	PCB	3.1	0.0	DTL	1	6	0.0	5.0	120n			750m	500m	0	75	1			CB19	
6	B690	1F	200k	PCB	-1.0	0.0	RCT	2		12	12											E012a	CB19
7 #	MC12	1F	1.0M	PCB	0.0	-6.0	DTL	9	4	12	6.0	10u	200n	1.0u	500m	2.0	-15	60	1		E0115	CB35	
8	MC13	1F	1.0M	PCB	0.0	-6.2	DTL	19	8	18	18	90n	100n	100n	3.0	2.5 *	0	55	1			CB25	
9	MC13	1F	1.0M	PCB	0.0	-6.2	DTL	21		18	18	40n	100n	100n	3.4	2.5 *	0	55	1			CB25	
10	IDC2263	1F	5.0M	PCB	2.0%	1.1*	DTL	4	8	0	5.0	150nΔ			575m	500m	0	75	1			CB51	
11	BC20	1F	200k	PCB	6.0	0.0	DTL	5	12	18	12	600n	500n	800n	1.3	1.5 *	-20	55	4		E0122	CB13a	
12	BC30	1F	1.0M	PCB	6.0	0.0	DTL	5	12	18	12	150n	100n	150n	1.8	1.5 *	-20	55	4		E0122	CB13a	
13	BC130	1F	1.0M	PCB	6.0	0.0	DTL	5	12	12	18	100n			1.8	1.5 *	-55	100	4		E0121	CB13a	
14	BC35	1F	5.0M	PCB	6.0	0.0	DTL	5	18	18	12	30n			2.5	1.5 *	-20	55	4		E0122	CB13a	
15	BC37	1F	1.0M	PCB	6.0	0.0	DTL	5	6	18	12	30nΔ	25n	50n	2.5	1.5 *	-20	55	4		E0122	CB13a	
16	MS12	1F	1.0M	PCB	6.2	0.0	DTL	8	8	18	18	90n	100n	100n	3.0	2.5 *	-30	100	1			CB25	
17	9350DC	1F	18M%	MON	1.8%	.85*	TTL	6	10	0	5.25	100nΔ	100n	100n	160m	400m	0	75	1		E0151	M105ad	
18	SN54190N	1F	3.0MΔ	MON	2.0%	.70*	TTL	6	10	0.0	5.0	340nΔ			20m	1.0 Δ	-55	125	1		E0131	FP52	
19	SN74190T	1F	3.0MΔ	MON	2.0%	.70*	TTL	6	10	0.0	5.0	340nΔ			20m	1.0 Δ	0	70	1		E0131	FP52a	
20 #	5490-1.6A	1F	18M%	AMON	2.0%	.70*	TTL	6	10	0.0	5.0	100nΔ			160m	1.0 Δ	-55	125	1		E0131	M157	
21	ITT5490J	1F	18M%	AMON	2.0%	.70*	TTL	6	10	0.0	5.0	100nΔ			160m	1.0 Δ	-55	125	1		E0131	M157	
22	SN5490S	1F	18M%	AMON	2.0%	.70*	TTL	6	10	0.0	5.0	100nΔ			160m	1.0 Δ	-55	125	1		E01145	TO84	
23	SN7490AW	1F	18M%	AMON	2.0%	.70*	TTL	6	10	0.0	5.0	100nΔ			160m	1.0 Δ	0	70	1		E01145	TO84	
24	9LS90DM	1F	32M	MON	2.0%	.70*	TTL	6	2.5	0.0	5.0	18nΔ			75m	300m	-55	125	1		E0131	TO116	
25	9LS90FM	1F	32M	MON	2.0%	.70*	TTL	6	2.5	0.0	5.0	18nΔ			75m	300m	-55	125	1		E0131	TO86	
26	54LS90DM	1F	32M	MON	2.0%	.70*	TTL	6	2.5	0.0	5.0	18nΔ			75m	300m	-55	125	1		E0131	TO116	
27	7490AFC	1F	40M%	MON	2.0%	.70*	TTL	6	10	0.0	5.0	100nΔ			160m	400m*	0	70	1		E0131	FP21h	
28	9390DC	1F	10M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			275m		0	70	1		E0131	TO116	
29	9390DM	1F	10M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			275m		-55	125	1		E0131	TO116	
30	9390FC	1F	10M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			275m		0	70	1		E0131	FP115	
31	9390FM	1F	10M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			275m		-55	125	1		E0131	FP115	
32 #	FJJ141	1F	10MΔ	MON	2.0%	.80*	TTL	6	10	0.0	5.0	100nΔ			160m	1.0 Δ	0	70	1		E0131	TO116	
33 #	GFB7490	1F	10MΔ	MON	2.0%	.80*	TTL	6	10	0.0	5.0	100nΔ			160m	1.0 Δ	0	70	1		E0131	TO116	
34	SW7490J	1F	10MΔ	MON	2.0%	.80*	TTL	6	10	0.0	5.25	100nΔ			160m	1.0	0	70	1		E0131	M114	
35	SW7490N	1F	10MΔ	MON	2.0%	.80*	TTL	6	10	0.0	5.25	100nΔ			160m	1.0	0	70	1		E0131	M105n	
36	ITT74LS90	1F	16M%	MON	2.0%	.80*	TTL	6	10	0.0	5.0	50nΔ			75m		0	70	1		E01115	M12	
37 #	7490-9-6A	1F	18M%	AMON	2.0%	.80*	TTL	6	10	0.0	5.0	100nΔ			160m	1.0 Δ	0	70	1		E0131	M157	
38 #	MIC5490J	1F	18M%	AMON	2.0%	.80*	TTL	6	10	0.0	5.0	100nΔ			135m	500m	-55	125	1		E0131	TO116	
39 #	MIC6490J	1F	18M%	AMON	2.0%	.80*	TTL	6	10	0.0	5.0	100nΔ			135m	500m	-40	85	1		E0131	TO116	
40 #	MIC7490J	1F	18M%	AMON	2.0%	.80*	TTL	6	10	0.0	5.0	100nΔ			135m	500m	0	75	1		E0131	TO116	
41 #	MIC7490N	1F	18M%	AMON	2.0%	.80*	TTL	6	10	0.0	5.0	100nΔ			135m	500m	0	75	1		E0131	M126x	
42	NC7490N	1F	18M%	MON	2.0%	.80*	TTL	6	40	0	7.0	75n%			160m	1.0	0	70	1		E0131	TO116	
43	PD7490	1F	18M%	MON	2.0%	.80*	TTL	6	40	0	7.0	75n%			160m	1.0	0	75	1		E0131	TO116	
44	SN5490	1F	18M%	MON	2.0%	.80*	TTL	6	40	0	5.5	75n%			160m	1.0	-55	125	1		E0131	TO84	
45 #	SN6490N	1F	18M%	MON	2.0%	.80*	TTL	6	40	0	7.0	75n%			160m	1.0m	-40	85	1		E0131	M75a	
46	SN7490	1F	18M%	MON	2.0%	.80*	TTL	6	40	0	7	75n%			160m	1.0	0	70	1		E0131	TO84	
47	SN7490J	1F	18M%	MON	2.0%	.80*	TTL	6	40	0	7	75n%			160m	1.0 Δ	0	70	1		E0131	M75a	
48	SN7490H	1F	18M%	MON	2.0%	.80*	TTL	6	10	0.0	5.5	60n			160m	1.0	-55	125	1		E0131	FPZ	
49	SW7490H	1F	18M%	MON	2.0%	.80*	TTL	6	10	0.0	5.25	60n			160m	1.0	0	70	1		E0131	FPZ	
50 #	T7490B1	1F	18M%	AMON	2.0%	.80*	TTL	6	10	0.0	5.0	100nΔ			265m	1.0 Δ	0	70	1		E0131	M126u	
51 #	T7490D1	1F	18M%	AMON	2.0%	.80*	TTL	6	10	0.0	5.0	100nΔ			265m	1.0 Δ	0	70	1		E0131	M294	
52 #	T7490D2	1F	18M%	AMON	2.0%	.80*	TTL	6	10	0.0	5.0	100nΔ			265m	1.0 Δ	-55	125	1		E0131	M294	
53	TRW7490 #1	1F	18M%	MON	2.0%	.80	TTL	6	40	0.0	7.0	75n%			160m	1.0	0	70	1		E0280	M126	
54	TRW7490 #2	1F	18M%	MON	2.0%	.80	TTL	6	40	0.0	7.0	75n%			160m	1.0	0	70	1		E0280	M157	
55	9LS90DC	1F	32M	MON	2.0%	.80*	TTL	6	5	0.0	5.0	18nΔ			75m	300m	0	75	1		E0131	TO116	
56	9LS90FC	1F	32M	MON	2.0%	.80*	TTL	6	5	0.0	5.0	18nΔ			75m	300m	0	75	1		E0131	TO86	
57	9LS90PC	1F	32M	MON	2.0%	.80*	TTL	6	5	0.0	5.0	18nΔ			75m	300m	0	75	1		E0131	TO116	
58	74LS90FC	1F	32M	MON	2.0%	.80*	TTL	6	5	0.0	5.0	18nΔ			75m	300m	0	75	1		E0131	TO86	
59	SN74196W	1F	50M	MON	2.4	.40	TTL	8	10	0.0	5.0	8.5n			310m	1.0	0	70	1		E0157	Δ004AF	
60	74190FC	1F,4R	25M%	MON	2.0%	.80*	TTL	8	10	0.0	5.0	20n			550m	400m*	0	70	1		E0320	FP103	
61	SN74190W	1F,4R	20M	MON	2.4	.40	TTL	8	10	0.0	5.0	20n			550m	1.0	0	70	1		E0320	Δ004AG	
62	N128	1H	63k	3DM	-3.0	-11	DTL	6		12	0		500n	1.5u	1.1		-54	71	1			M64b	
63	N131	1H	63k	3DM	-3.0	-11	DTL	6		12	0		500n	1.5u	1.1		-54	71	1			M64b	
64	N102	1H	250k	3DM	-3.0	-11	DTL	2	2	12	0		500n	2.0u	1.1		-54	71	1			M64b	
65	N103	1H	250k	3DM	-3.0	-11	DTL	2	2	12	12		500n	2.0u	1.9		-54	65	1			M64c	
66	N105	1H	250k	3DM	-3.0	-11	DTL	2	2	12	0		500n	2.0u	660m		-45	65	1			M64d	
67	N106	1H	250k	3DM	-3.0	-11	DTL	2	2	12	12		500n	2.0u	840m		-45	65	1			M64e	
68	N112	1H	250k	3DM	-3.0	-11	DTL	2	2	12	0		500n	2.0u	1.1		-54	71	1			M64b	
69	N121A	1H	250k	3DM	-3.0	-11	DTL	2	2	12	0		500n	2.0u	1.3		-54	71	1			M64b	
70	N134	1H	250k	3DM	-3.0	-11	DTL	2	2	12	0		500n	6.0u	1.1								

11. COUNTERS

IN ORDER OF: (1)TYPE OF COUNTER (2)LOG. TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL	LINE No.	TYPE No.	1] TYPE OF COUNTER	5] MAX OPER. FREQ. (Hz)	PRO-CESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPAGA-TION DELAY (s)	MAX. RISE TIME tr (s)		MAX. FALL TIME tf (s)		MAX. PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP. °C		CKT PER MOD	DRAWINGS			
						3] '1' (V)	4] '0' (V)	2] TYPE	IN	OUT MAX.	NEG (V)	POS (V)		R	F	L	H			L	H		LOW	HI	LOGIC DWG. No	OUTLINE DWG. No Δ = MO
	1#	T158D2	2		MON	1.7%	.90*		9		0.0	5.0	20nΔ				300mΔ		-55	125	1	E0147	M200			
	2#	T158D1	2		MON	1.8%	.85*		9		0.0	5.0	20nΔ				300mΔ		0	75	1	E0147	M200			
	3	DM76L76D	2	13MΔ		2.0%	.70*		9		0.0	5.0	140nΔ				32mΔ		-55	125	1	E0179	M224b			
	4	DM76L76W	2	13MΔ		2.0%	.70*		9		0.0	5.0	140nΔ				32mΔ		55	125	1	E0179	FP88			
	5	DM86L76W	2	13MΔ		2.0%	.70*		9		0.0	5.0	140nΔ				32mΔ		0	70	1	E0179	FP88			
	6	DM76L93D	2	15MΔ		2.0%	.70*		2	20	0.0	5.0	400nΔ				18mΔ		-55	125	1	E0253	M297a			
	7	DM86L93D	2	15MΔ		2.0%	.70*		2	20	0.0	5.0	400nΔ				18mΔ		0	70	1	E0253	M297a			
	8	SN54L93D	2	15MΔ		2.0%	.70*		2	20	0.0	5.0	400nΔ				18mΔ		-55	125	1	E0253a	M297a			
	9	SN54L93F	2	15MΔ		2.0%	.70*		2	20	0.0	5.0	400nΔ				18mΔ		-55	125	1	E0253a	FP87			
	10	SN74L93D	2	15MΔ		2.0%	.70*		2	20	0.0	5.0	400nΔ				18mΔ		0	70	1	E0253a	M297a			
	11	SN74L93F	2	15MΔ		2.0%	.70*		2	20	0.0	5.0	400nΔ				18mΔ		0	70	1	E0253a	FP87			
	12	N8281J	2	25MΔ	MON	2.6%	.50*†		8	8	0	5.0	25nΔ		50n	194m	1.0 Δ	0	75	1	E0237a	TO88				
	13	S8281J	2	25MΔ	MON	2.6%	.50*†		8	8	0	5.0	25nΔ		50n	194m	1.0 Δ	-55	125	1	E0237a	TO88				
	14	DC50CSCTR2	2	50M	PCB	3.0	0.0		10	4	12	12	9.0n	7.0n	50n	10n	1.0	1.0	-10	100	4	E0237	TO88			
	15	MPC2B	2	2.0M	PCB	3.0%	.40*		16	16	0.0	5.0	75n				250m	1.0	0	70	2	E066	CB53			
	16	M10493G	2	60k	3DM	4.5	0.0				28	0.0									1					
	17	M10493S	2	100k	3DM	4.5	0.0				28	0.0									1					
	18	DC01CSCTR2	2	20k	PCB	6.0	0.0		10	4	12	12	500n	1.0u	1.0u		1.0	1.0	-55	100	4	E024				
	19	DC01CSXCTR2	2	20k	PCB	6.0	0.0		10	4	12	12	500n	1.0u	1.0u		1.0	1.0	-55	100	4	E024				
	20	MM10933	2	1.0M	3DM	6.0	0.0				6.0	18									1		MP38			
	21	DC2CSCTR2	2	2.0M	PCB	6.0	0.0		10	6	18	18	50n	150n	250n		1.2	-55	100	4						
	22	MM10333	2	10M	3DM	6.0	0.0				6.0	18									1		MP38			
	23	PM10283	2	10M	3DM	6.5	0.0				18	6.0									1		ZB37			
	24	WM10333	2	10M	3DM	6.5	0.0				6.0	18									1		M43			
	25	SCL5407D	2	500k	MOS	7.0%	3.0*		9	10	50	20	700n%	100u	100u	100u%		0	75	1	E0247	M□				
	26	SCL5407F	2	500k	MOS	7.0%	3.0*		9	10	50	20	700n%	100u	100u	100u%		0	75	1	E0247	FP□				
	27	SCL5401D	2	2.0M	MOS	7.0%	3.0*		9	10	50	20	175n%	10u	10u	1.0u%		-55	125	1	E0247	M□				
	28	SCL5401F	2	2.0M	MOS	7.0%	3.0*		9	10	50	20	175n%	10u	10u	1.0u%		-55	125	1	E0247	FP□				
	29	DC10CCTR2	2	10M	PCB	-0.0	-6.0		10	4	18	18	25n	50n	80n		1.2	-55	55	4						
	30	MEM1050B	2	25M	MOS	-2.0*	-10%		4	4	27	0		650n	525n	300m		-55	85	1	E0226	FP47				
	31	MEM1055	2	25M	MOS	-2.0*	-10%		4	4	27	0		650n	525n	300m		-55	85	1	E0226a	FP48				
	32	S1694	2	1.0M	MOS	-4.2	-1.2				12	5.0				1.5m	1.0	0	70							
	33	PM6003	2	175k	3DM	5.0	0.0				18	0.0									1					
	34	CM8603	2	100k	3DM	10	0.0				10	30									1		M37			
	35	CM86031	2	300k	3DM	10	0.0				10	30									1		M37			
	36	PM8513	2	750k	3DM	10	0.0				10	30									1		ZB37			
	37	SCL5407AD	2	1.0M	MOS	10	0.0		9	50	0.0	10	500n	100u	100u	100u	4.5	-55	125	1	E0247	M□				
	38	SCL5407AF	2	1.0M	MOS	10	0.0		9	50	0.0	10	500n	100u	100u	100u	4.5	-55	125	1	E0247	FP□				
	39	HD1-14516-2	2	6.0M	MOS	10	0.0				0.0	15	100n			1.0u	3.0	-40	85	1						
	40	HD1-14516-9	2	6.0M	MOS	10	0.0				0.0	15	100n			1.0u	3.0	-40	85	1						
	41	HD1-14518-2	2	6.0M	MOS	10	0.0				0.0	15	100n			4.0u	3.0	-55	125	2						
	42	HD1-14518-9	2	6.0M	MOS	10	0.0				0.0	15	100n			4.0u	3.0	-40	85	2						
	43	HD9-14516-2	2	6.0M	MOS	10	0.0				0.0	15	100n			1.0u	3.0	-55	125	1						
	44	HD9-14516-9	2	6.0M	MOS	10	0.0				0.0	15	100n			1.0u	3.0	-40	85	1						
	45	HD9-14518-2	2	6.0M	MOS	10	0.0				0.0	15	100n			4.0u	3.0	-55	125	2						
	46	HD9-14518-9	2	6.0M	MOS	10	0.0				0.0	15	100n			4.0u	3.0	-40	85	2						
	47	CD4004AD	2	10MΔ	MOS	10	0.0†		2		0.0	10	125nΔ	10uΔ	10uΔ	100u%	4.5 Δ	-55	125	1	E0154	Δ001AD				
	48	CD4004AE	2	10MΔ	MOS	10	0.0†		2		0.0	10	150nΔ	10uΔ	10uΔ	1.0m%	4.5 Δ	-40	85	1	E0154	Δ001AB				
	49	CD4004AK	2	10MΔ	MOS	10	0.0†		2		0.0	10	125nΔ	10uΔ	10uΔ	100u%	4.5 Δ	-55	125	1	E0154a	Δ004AF				
	50	CD4004AT	2	10MΔ	MOS	10	0.0†		2		0.0	10	125nΔ	10uΔ	10uΔ	100u%	4.5 Δ	-55	125	1	E0154a	Δ006AG				
	51	CM4004AD	2	10MΔ	MOS	10	0.0†		2		0.0	10	25nΔ	10uΔ	10uΔ	200m	4.5 Δ	-55	125	1	E0154	M105av				
	52	CM4004AE	2	10MΔ	MOS	10	0.0†		2		0.0	10	50nΔ	10uΔ	10uΔ	200m	4.5 Δ	-40	85	1	E0154	M105av				
	53	CM10243	2	3.0M	3DM	17	5.0				0	20									1		M37			
	54	PM8563	2	500k	3DM	17	0.0				30	0.0									1		ZB37			
	55	MEM5048	2	500k	MOS	-10%	-2.0*		7		27	0.0	2.0u	1.0n	1.0n	250mΔ		-55	85	1	E0176	M191				
	56	MC1181L	2	100k†	MOS	-18%	.30*		4		15	0.0	100n	25u	25u	500m	1.0 *	-55	125	2	E01110	CH□				
	57	CD40193BH	2	7.0MΔ	MOS	0.0	10†	CMS	4		0.0	10	100n			500m	1.0 *	-55	125	2	E01110	Δ004AF				
	58	CD40193BK	2	7.0MΔ	MOS	0.0	10†	CMS	4		0.0	10	100n			500m	1.0 *	-55	125	2	E01110	Δ004AF				
	59#	MO03T1	2	1.0M	MOS	3.5%	.80*	CMS	17		12	5.0				122mΔ		0	70	1	E02118	M193				
	60#	MO03T2	2	1.0M	MOS	3.5%	.80*	CMS	17		12	5.0				122mΔ		-55	125	1	E02118	M193				
	61	SW4017A	2	2.5MΔ	MOS	5.0	0.0	CMS	13	50	0.0	5.0	350m			200m		-40	85	1	E0259	M117z				
	62	SW4020A	2	2.5MΔ	MOS	5.0	0.0	CMS	2	50	0.0	5.0	450n			200m		-40	85	1	E0272	M117z				
	63	SW4024A	2	2.5MΔ	MOS	5.0	0.0	CMS	2	50	0.0	5.0	350n			200m		-40	85	1	E0154	M313a				
	64	TP4020AN	2	MOS	7.0%	3.0*	CMS	2	6E	0.0	10					400u%	2.0 *	-40	85	1	E02103	M117x				
	65	TP4020BN	2	MOS	7.0%	3.0*	CMS	2	6E	0.0	10					400u%	2.0 *	-40	85	1	E02103	M117x				
	66	TP4024AN	2	MOS	7.0%	3.0*	CMS	2	6E	0.0	10					400u%	2.0 *	-40	85	1	E0154	TO116				
	67	TP4024BN	2	MOS	7.0%	3.0*	CMS	2	6E	0.0	10					400u%	2.0 *	-40	85	1	E0154	TO116				
	68	TP4040AN	2	MOS	7.0%	3.0*	CMS	2	6E	0.0	10					400u%	2.0 *	-40	85	1	E0291	M117x				
	69	TP4040BN	2	MOS	7.0%	3.0*	CMS	2	6E	0.0	10					400u%	2.0 *	-40	85	1	E0291	M117x				
	70	TP4520AN	2	MOS	7.0%	3.0*	CMS	3	6E	0.0	10					400u%	2.0 *	-40	85	2	E0292	M117x				
	71	TP4526AN	2	MOS	7.0%	3.0*	CMS	3	6E	0.0	10					400u%	2.0 *	-40	85	1	E0293	M117x				
	72	TP4361AJ	2	2.5MΔ	MOS	7.1%	2.9*	CMS			0.0	10	350nΔ	5.0u	5.0u	14m%		-40	85	1	E0					

11. COUNTERS

IN ORDER OF: (1)TYPE OF COUNTER (2)LOG. TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF COUNTER	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX. RISE TIME		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					LEVEL	TYPE	IN	OUT MAX.	NEG (V)	POS (V)	tr (s)		tf (s)	LOW °C			HI °C	LOGIC DWG. No		OUTLINE DWG. No Δ = MO	
																					3
1	SCL4516AE	2	6.0M%	MOS	9.99%	.01*	CMS		0.0	10	300nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-40	85		E0199	M475f	
2	SCL4516AF	2	6.0M%	MOS	9.99%	.01*	CMS		0.0	10	300nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125		E0199	FP111	
3	SCL4516AH	2	6.0M%	MOS	9.99%	.01*	CMS		0.0	10	300nΔ	15uΔ	15uΔ	100u%	4.5 Δ	-55	125		E0199	FCZ	
4	HD14020A2	2	7.0MΔ%	MOS	9.99%	.01*	CMS		0.0	10	225mΔ	15u	15u	250u%	4.5 Δ	-55	125	1	E0272	M200q	
5	HD14020A9	2	7.0MΔ%	MOS	9.99%	.01*	CMS		0.0	10	250nΔ	15u	15u	1.0m%	4.5 Δ	-40	85	1	E0272	M200q	
6	HD14024A2	2	7.0MΔ%	MOS	9.99%	.01*	CMS		0.0	10	125nΔ	10u	10u	100u%	4.5 Δ	-55	125	1	E0154	M126v	
7	HD14024A9	2	7.0MΔ%	MOS	9.99%	.01*	CMS		0.0	10	150nΔ	10u	10u	1.0m%	4.5 Δ	-40	85	1	E0154	M126v	
8	HD94020A2	2	7.0MΔ%	MOS	9.99%	.01*	CMS		0.0	10	225nΔ	15u	15u	250u%	4.5 Δ	-55	125	1	E0272	FP103	
9	HD94020A9	2	7.0MΔ%	MOS	9.99%	.01*	CMS		0.0	10	250nΔ	15u	15u	1.0m%	4.5 Δ	-40	85	1	E0272	FP103	
10	HD94024A2	2	7.0MΔ%	MOS	9.99%	.01*	CMS		0.0	10	125nΔ	10u	10u	100u%	4.5 Δ	-55	125	1	E0154	T086	
11	HD94024A9	2	7.0MΔ%	MOS	9.99%	.01*	CMS		0.0	10	150nΔ	10u	10u	1.0m%	4.5 Δ	-40	85	1	E0154	T086	
12	SCL4020AC	2	8.0M%	MOS	9.99%	.01*	CMS	2	0.0	10	225nΔ	15uΔ	15uΔ	250u%	4.5	-55	125	1	E0261	M475d	
13	SCL4020AD	2	8.0M%	MOS	9.99%	.01*	CMS	2	0.0	10	225nΔ	15uΔ	15uΔ	250u%	4.5	-55	125	1	E0261	M475e	
14	SCL4020AE	2	8.0M%	MOS	9.99%	.01*	CMS	2	0.0	10	225nΔ	15uΔ	15uΔ	250u%	4.5	-40	85	1	E0261	M475f	
15	SCL4020AF	2	8.0M%	MOS	9.99%	.01*	CMS	2	0.0	10	225nΔ	15uΔ	15uΔ	250u%	4.5	-55	125	1	E0261	FP111	
16	SCL4020AH	2	8.0M%	MOS	9.99%	.01*	CMS	2	0.0	10	225nΔ	15uΔ	15uΔ	250u%	4.5	-55	125	1	E0261	FCZ	
17	SCL4040AC	2	8.0M%	MOS	9.99%	.01*	CMS	2	0.0	10	225nΔ	15uΔ	15uΔ	250u%	4.5	-55	125	1	E0296	M475d	
18	SCL4040AD	2	8.0M%	MOS	9.99%	.01*	CMS	2	0.0	10	225nΔ	15uΔ	15uΔ	250u%	4.5	-55	125	1	E0296	M475e	
19	SCL4040AE	2	8.0M%	MOS	9.99%	.01*	CMS	2	0.0	10	225nΔ	15uΔ	15uΔ	250u%	4.5	-40	85	1	E0296	M475f	
20	SCL4040AF	2	8.0M%	MOS	9.99%	.01*	CMS	2	0.0	10	225nΔ	15uΔ	15uΔ	250u%	4.5	-55	125	1	E0296	FP111	
21	SCL4040AH	2	8.0M%	MOS	9.99%	.01*	CMS	2	0.0	10	225nΔ	15uΔ	15uΔ	250u%	4.5	-55	125	1	E0296	FCZ	
22	SCL4060AC	2	8.0M%	MOS	9.99%	.01*	CMS	2	0.0	10	225nΔ	15uΔ	15uΔ	250u%	4.5	-55	125	1		M475d	
23	SCL4060AD	2	8.0M%	MOS	9.99%	.01*	CMS	2	0.0	10	225nΔ	15uΔ	15uΔ	250u%	4.5	-55	125	1		M475e	
24	SCL4060AE	2	8.0M%	MOS	9.99%	.01*	CMS	2	0.0	10	225nΔ	15uΔ	15uΔ	250u%	4.5	-40	85	1		M475f	
25	SCL4060AF	2	8.0M%	MOS	9.99%	.01*	CMS	2	0.0	10	225nΔ	15uΔ	15uΔ	250u%	4.5	-55	125	1		FP111	
26	SCL4060AH	2	8.0M%	MOS	9.99%	.01*	CMS	2	0.0	10	225nΔ	15uΔ	15uΔ	250u%	4.5	-55	125	1		FCZ	
27	SCL4024AC	2	10M%	MOS	9.99%	.01*	CMS	2	0.0	10	145nΔ	10uΔ	10uΔ	100u%	4.5	-55	125	1	E0154	M475a	
28	SCL4024AD	2	10M%	MOS	9.99%	.01*	CMS	2	0.0	10	145nΔ	10uΔ	10uΔ	100u%	4.5	-55	125	1	E0154	M475b	
29	SCL4024AE	2	10M%	MOS	9.99%	.01*	CMS	2	0.0	10	145nΔ	10uΔ	10uΔ	100u%	4.5	-40	85	1	E0154	M475c	
30	SCL4024AF	2	10M%	MOS	9.99%	.01*	CMS	2	0.0	10	145nΔ	10uΔ	10uΔ	100u%	4.5	-55	125	1	E0154	FP110	
31	SCL4024AH	2	10M%	MOS	9.99%	.01*	CMS	2	0.0	10	145nΔ	10uΔ	10uΔ	100u%	4.5	-55	125	1	E0154	FCZ	
32	SCL4520AC	2	10M%	MOS	9.99%	.01*	CMS	3	0.0	10	175nΔ	5.0uΔ	5.0uΔ	100u%	4.5 Δ	-55	125	2	E0292	M475d	
33	SCL4520AD	2	10M%	MOS	9.99%	.01*	CMS	3	0.0	10	175nΔ	5.0uΔ	5.0uΔ	100u%	4.5 Δ	-55	125	2	E0292	M475e	
34	SCL4520AE	2	10M%	MOS	9.99%	.01*	CMS	3	0.0	10	175nΔ	5.0uΔ	5.0uΔ	100u%	4.5 Δ	-40	85	2	E0292	M475f	
35	SCL4520AF	2	10M%	MOS	9.99%	.01*	CMS	3	0.0	10	175nΔ	5.0uΔ	5.0uΔ	100u%	4.5 Δ	-55	125	2	E0292	FP111	
36	SCL4520AH	2	10M%	MOS	9.99%	.01*	CMS	3	0.0	10	175nΔ	5.0uΔ	5.0uΔ	100u%	4.5 Δ	-55	125	2	E0292	FCZ	
37	CD4040AH	2	3.0M	MOS	10	0.0	CMS	4	50	0.0	900nΔ	15u	7.5u	200m	4.5 Δ	-55	125	1	E0299	CB6	
38	CD4040AK	2	5.0M%	MOS	10	0.0	CMS	2	50	0.0	450nΔ	7.5u	7.5u	200m	4.5 Δ	-55	125	1	E0299	Δ004AG	
39	CD4040AK	2	5.0M%	MOS	10	0.0	CMS	2	50	0.0	450nΔ	7.5u	7.5u	250u%	4.5 Δ	-55	125	1	E0299	Δ004AG	
40	CD4520BK	2	6.0M%	MOS	10	0.0	CMS	3	0.0	10	260nΔ	15u	15u	200m	4.5 Δ	-55	125	2	E0198	Δ004AG	
41	CD4020AK	2	7.0MΔ%	MOS	10	0.0	CMS	2	0.0	10	150nΔ	15u	15u	250u%	4.5 Δ	-55	125	1	E0272	Δ004AG	
42	CD4024AK	2	7.0MΔ%	MOS	10	0.0	CMS	2	50	0.0	125nΔ	10u	10u	100u%	4.5 Δ	-55	125	1	E0154	Δ004AF	
43	CD4024AT	2	7.0MΔ%	MOS	10	0.0	CMS	2	50	0.0	125nΔ	10u	10u	100u%	4.5 Δ	-55	125	1	E0154a	Δ006AG	
44	SCL4024AT	2	10M%	MOS	10	0.0	CMS	2	50	0.0	125nΔ	10u	10u	100u%	4.5 Δ	-55	125	1	E0154	T099	
45	4526BDC	2	12M%	MOS	11%	4.0*	CMS	9	25E	0.0	15	66n	9.0m%	6.7 Δ	-40	85	1	E0293	M561		
46	4526BDM	2	12M%	MOS	11%	4.0*	CMS	9	25E	0.0	15	66n	9.0m%	6.7 Δ	-55	125	1	E0293	M561		
47	4526BFC	2	12M%	MOS	11%	4.0*	CMS	9	25E	0.0	15	66n	9.0m%	6.7 Δ	-40	85	1	E0293	FP103		
48	4526BFM	2	12M%	MOS	11%	4.0*	CMS	9	25E	0.0	15	66n	9.0m%	6.7 Δ	-55	125	1	E0293	FP103		
49	4526BFC	2	12M%	MOS	11%	4.0*	CMS	9	25E	0.0	15	66n	9.0m%	6.7 Δ	-40	85	1	E0293	M562		
50	CD40103BY	2	2.0M	MOS	15%	.05**	CMS		0.0	15	250nΔ	20m	200m	300u%	2.5	-55	125	1	E01109	Δ001AC	
51	CD40103BK	2	2.4MΔ	MOS	15%	.05**	CMS		0.0	15	250nΔ	20m	200m	300u%	2.5	-55	125	1	E01116	Δ004AG	
52	RTC334	2	2.0M	PCM	0.0	6.0	DTL	4	6	6.0	12	35n	50n	70n	2.9	2.0	0	55	10	E0222a	CB36
53	CC335	2	250k	PCB	0.0	6.0	DTL	2	2	12	6.0									E0221	CB36
54	RTC354	2	250k	PCM	0.0	6.0	DTL	4	8	12	6.0	140n	150n	500n	2.5k	2.0	-55	71	10	E0222	CB36
55	CC335	2	2.0M	PCB	0.0	6.0	DTL	2	2	12	6.0									E0221a	CB36
56	CC365	2	2.0M	PCB	0.0	6.0	DTL	2	2	12	6.0									E0221	CB36
57	RTC364	2	2.0M	PCM	0.0	6.0	DTL	4	8	12	6.0	40n	32n	70n	3.5	2.0	-55	71	10	E0222	CB36
58	410	2	300k	PCB	0.0	6.8	DTL	10	10	12	12				1.0	0	55	1		CB24	
59	SW839F	2	30M%	MON	1.9%	1.2*	DTL	6	81	0.0	8.0				150m	1.0	0	75	1		
60	SW839P	2	30M%	MON	1.9%	1.2*	DTL	6	81	0.0	8.0				150m	1.0	0	75	1		
61	827	2	5.0MΔ	PCB	2.0%	.45*	DTL	7	9	0.0	5.0	70nΔ			600m	1.4	0	70	2	E0225	CB50
62	NE8281A	2	25M%	MON	2.0%	.80*	DTL	8	81	0.0	6.0				100m	0	75	1	E0237	T0116	
63	NE8281J	2	25M%	MON	2.0%	.80*	DTL	8	81	0.0	6.0				100m	0	75	1	E0237	T088	
64	SE8281A	2	25M%	MON	2.0%	.80*	DTL	8	81	0.0	6.0				100m	-55	125	1	E0237	T0116	
65	SE8281J	2	25M%	MON	2.0%	.80*	DTL	8	81	0.0	6.0				100m	-55	125	1	E0237a	T085	
66	RC213D	2	11M%	MON	2.0%	1.0*	DTL	7	15	0.0	6.0				50m	550m	0	75	1		M105m
67	RC213G	2	11M%	MON	2.0%	1.0*	DTL	7	15	0.0	6.0				50m	550m	0	75	1		T084
68	RC213P	2	11M%	MON	2.0%	1.0*	DTL	7	15	0.0	6.0				50m	550m	0	75	1		M105k
69	RC213T	2	11M%	MON	2.0%	1.0*	DTL	7	15	0.0	6.0				50m	550m	0	75	1		T0101
70	RM213D	2	11M%	MON	2.0%	1.0*	DTL	7	15	0.0	6.0				50m	550m	-55	125	1		M105m
71	RM213G	2	11M%	MON	2.0%	1.0*	DTL	7	15	0.0	6.0				50m	550m	-55	125	1		T084
72	RM213P	2	11M%	MON	2.0%	1.0*	DTL	7	15	0.0	6.0				50m	550m	-55	125	1		M10

11. COUNTERS

IN ORDER OF: (1)TYPE OF COUNTER (2)LOG. TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL	LINE No.	TYPE No.	TYPE OF COUNTER	MAX OPERATING FREQ. (Hz)	PRO-CESSES	LOGIC			FAN		POWER SUPPLY SPAN		PROPAGATION DELAY (s)	MAX.		TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
						LEVEL		TYPE	IN	OUT MAX.	NEG (V)	POS (V)		RISE TIME tr (s)	FALL TIME tf (s)			LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=MO
						1	0															
	1	GBC1-5	2	5.0M	PCB	-10	0.0	RCT	1	8	12	6.0	100n	50n	50n	720m	1.5	0	55	4	E0219	CB15
	2	IUC1-2	2	200k	PCB	-10	0.0	TFT	5	10	30	6.0	1.2u	1.0u	500n	3.1	1.5	0	55	2	E0228	
	3	S2567	2		MOS		-18	TTL	7		15	0.0				250m		0	60	1	E02121	M505
	4#	9316-1-4L	2	15M	MON	1.7%	.90*	TTL	4	6	0.0	5.0	20n			300m	400m	-55	125	1	E0239	FP47a
	5#	MIC64161J	2	15M	MON	1.7%	.90*	TTL	4	6	0.0	5.0	20n			300m	400m	-48	85	1	E0147	M153a
	6#	9316-9-4L	2	15M	MON	1.8%	.85*	TTL	4	6	0.0	5.0	20n			300m	400m	0	75	1	E0239	FP47a
	7	9316FC	2	15M	MON	1.8%	.85*	TTL	4	6	0.0	5.0	20n			300m	400m	0	75	1	E0147	FP47a
	8	5608BM	2	200k	MOH	2.0%	.60*	TTL	2	8	0	6.8					-55	125	1		FP50a	
	9	5608CM	2	200k	MOH	2.0%	.60*	TTL	2	8	0	6.8					0	70	1		FP50a	
	10	5605BM	2	300k	MOH	2.0%	.60*	TTL	1	16	0	6.8					-55	125	1		FP50a	
	11	5605CM	2	300k	MOH	2.0%	.60*	TTL	1	16	0	6.8					0	70	1		FP50a	
	12	5598BM	2	5.0M	MOH	2.0%	.60*	TTL	1	16	0	6.8					-55	125	1		FP50a	
	13	5598CM	2	5.0M	MOH	2.0%	.60*	TTL	1	16	0	6.8					0	70	1		FP50a	
	14	9LS161DM	2		MON	2.0%	.70*	TTL	10	2.5	0.0	5.0	18n			160m	300m	-55	125	1	E0147	M200
	15	9LS161FM	2		MON	2.0%	.70*	TTL	10	2.5	0.0	5.0	18n			160m	300m	-55	125	1	E0147	FP47b
	16	9LS163DM	2		MON	2.0%	.70*	TTL	10	2.5	0.0	5.0	18n			160m	300m	-55	125	1	E0147	M200
	17	9LS163FM	2		MON	2.0%	.70*	TTL	10	2.5	0.0	5.0	18n			160m	300m	-55	125	1	E0147	FP47b
	18	5628BM	2		MOH	2.0%	.70*	TTL	2	8	0	6.8					-55	125	1		FP50a	
	19	5628CM	2	1.0M	MOH	2.0%	.70*	TTL	2	8	0	6.8					0	70	1		FP50a	
	20	5625BM	2	1.5M	MOH	2.0%	.70*	TTL	1	16	0	6.8					-55	125	1		FP50a	
	21	5625CM	2	1.5M	MOH	2.0%	.70*	TTL	1	16	0	6.8					0	70	1		FP50a	
	22	5648BM	2	3.0M	MOH	2.0%	.70*	TTL	2	8	0	6.8					-55	125	1		FP50a	
	23	5648CM	2	3.0M	MOH	2.0%	.70*	TTL	2	8	0	6.8					0	70	1		FP50a	
	24	5645BM	2	5.0M	MOH	2.0%	.70*	TTL	1	16	0	6.8					-55	125	1		FP50a	
	25	5645CM	2	5.0M	MOH	2.0%	.70*	TTL	1	16	0	6.8					0	70	1		FP50a	
	26#	FJB93L16	2	20M	AMON	2.0%	.70*	TTL	10	8	0.0	5.0				85m		0	70	1	E0147	M210a
	27	JANM38510/31512BFB	2																			
	28	JANM38510/31512CFB	2	22M	MON	2.0%	.70*	TTL	9	10D	0.0	5.0	56n			176m		-55	125	1	E0166a	FP117
	29	JANM38510/32004BDB	2	22M	MON	2.0%	.70*	TTL	9	10D	0.0	5.0	56n			176m		-55	125	1	E0166a	FP117
	30	JANM38510/32004CDB	2	29M	MON	2.0%	.70*	TTL	4	10D	0.0	5.5	81n			82m	300m*	-55	125	1	E02108	FP116
	31	9LS93DM	2	29M	MON	2.0%	.70*	TTL	4	10D	0.0	5.5	81n			82m	300m*	-55	125	1	E02108	FP116
	32	9LS93FM	2	32M	MON	2.0%	.70*	TTL	4	2.5	0.0	5.0	18n			75m	300m	-55	125	1	E0234a	TO116
	33	9LS191DM	2	35M	MON	2.0%	.70*	TTL	8	2.5	0.0	5.0	36n			75m	300m	-55	125	1	E0234a	TO86
	34	9LS191FM	2	35M	MON	2.0%	.70*	TTL	8	2.5	0.0	5.0	36n			175m	300m	-55	125	1	E0166	M200
	35	9LS193DM	2	40M	MON	2.0%	.70*	TTL	8	2.5	0.0	5.0	22n			170m	300m	-55	125	1	E0332a	M200
	36	9LS193FM	2	40M	MON	2.0%	.70*	TTL	8	2.5	0.0	5.0	22n			170m	300m	-55	125	1	E0332a	FP47b
	37	25LS161CH#2	2	40M	MON	2.0%	.70*	TTL	9	20	0.0	5.0	35n			160m	250m*	-55	125	1	E0166	CH66
	38	25LS161J#2	2	40M	MON	2.0%	.70*	TTL	9	20	0.0	5.0	35n			160m	250m*	-55	125	1	E0166	M200h
	39	25LS161W#2	2	40M	MON	2.0%	.70*	TTL	9	20	0.0	5.0	35n			160m	250m*	-55	125	1	E0166	FP101b
	40	25LS163CH#2	2	40M	MON	2.0%	.70*	TTL	9	20	0.0	5.0	35n			160m	250m*	-55	125	1	E0166a	CH66
	41	25LS163J#2	2	40M	MON	2.0%	.70*	TTL	9	20	0.0	5.0	35n			160m	250m*	-55	125	1	E0166a	M200h
	42	25LS163W#2	2	40M	MON	2.0%	.70*	TTL	9	20	0.0	5.0	35n			160m	250m*	-55	125	1	E0166a	FP101b
	43	9LS293DM	2	50M	MON	2.0%	.70*	TTL	4	2.5	0.0	5.0	70n			75m	300m	-55	125	1	E02108	TO116
	44	9LS293FM	2	50M	MON	2.0%	.70*	TTL	4	2.5	0.0	5.0	70n			75m	300m	-55	125	1	E02108	TO86
	45	SN54LS197N	2	50M	MON	2.0%	.70*	TTL	8	10D	0.0	5.0	42n			60m	1.0 Δ	-55	125	1	E0167a	M126e
	46	9LS197DM	2	60M	MON	2.0%	.70*	TTL	8	2.5	0.0	5.0	26n			100m	300m	-55	125	1	E02134	TO116
	47	9LS197FM	2	60M	MON	2.0%	.70*	TTL	8	2.5	0.0	5.0	26n			100m	300m	-55	125	1	E02134	TO86
	48	54LS197DM	2	60M	MON	2.0%	.70*	TTL	8	2.5	0.0	5.0	26n			100m	300m	-55	125	1	E02134	TO116
	49	54LS197FM	2	60M	MON	2.0%	.70*	TTL	8	2.5	0.0	5.0	26n			100m	300m	-55	125	1	E02134	TO86
	50	9LS161DC	2		MON	2.0%	.80*	TTL	10	5	0.0	5.0	18n			160m	300m	0	75	1	E0147	M200
	51	9LS161FC	2		MON	2.0%	.80*	TTL	10	5	0.0	5.0	18n			160m	300m	0	75	1	E0147	FP47b
	52	9LS161PC	2		MON	2.0%	.80*	TTL	10	5	0.0	5.0	18n			160m	300m	0	75	1	E0147	M267b
	53	9LS163DC	2		MON	2.0%	.80*	TTL	10	5	0.0	5.0	18n			160m	300m	0	75	1	E0147	M200
	54	9LS163FC	2		MON	2.0%	.80*	TTL	10	5	0.0	5.0	18n			160m	300m	0	75	1	E0147	FP47b
	55	9LS163PC	2		MON	2.0%	.80*	TTL	10	5	0.0	5.0	18n			160m	300m	0	75	1	E0147	M267b
	56	74LS161FC	2		MON	2.0%	.80*	TTL	10	5	0.0	5.0	18n			160m	300m	0	75	1	E0147	FP47b
	57	74LS163FC	2		MON	2.0%	.80*	TTL	10	5	0.0	5.0	18n			160m	300m	0	75	1	E0147	FP47b
	58	74177FC	2	2.0M	MON	2.0%	.80*	TTL	4	10	0.0	5.0					0	70	4	E02188	FP52	
	59	SN54L193N	2	7.0M	MON	2.0%	.80*	TTL	8	10	0.0	5.0	135n			43m		-55	125	1	E0332a	M117x
	60	SW7493J	2	10M	MON	2.0%	.80*	TTL	4	10	0.0	5.25	135n			160m	1.0	0	70	1	E0235	M114
	61	SW7493N	2	10M	MON	2.0%	.80*	TTL	4	10	0.0	5.25	135n			160m	1.0	0	70	1	E0235	M105n
	62	93L160C	2	13M	MON	2.0%	.80*	TTL	9		0.0	5.0	95n			75m		0	70	1	E0147	M591
	63	93S16PCA	2	13M	MON	2.0%	.80*	TTL	9		0.0	5.0	95n			75m		0	70	1	E0147	M591
	64	BC903	2	14M	PCB	2.0%	.80*	TTL	11	10	0.0	5.0	50n			320m	400m	0	70	2		CBZ
	65	N7493A	2	18M	MON	2.0%	.80*	TTL	4	10	0.0	5.0	135n			265m	1.0 ↑	0	70	1	E0254	M318
	66	S5493A	2	18M	MON	2.0%	.80*	TTL	4	10	0.0	5.0	135n			230m	1.0 ↑	-55	125	1	E0254	M318
	67	SW5493H	2	18M	MON	2.0%	.80*	TTL	4	10	0.0	5.5	60n			160m	1.0	-55	125	1	E0235	FPZ
	68	SW7493H	2	18M	MON	2.0%	.80*	TTL	4	10	0.0	5.25	60n			160m	1.0	0	70	1	E0235	FPZ
	69#	TL7492N	2	18M	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100n			267m		0	70	1	E0234	M126n
	70#	TL7493N	2	18M	MON	2.0%	.80*	TTL	4	10	0.0	5.0	135n			267m		0	70	1	E0234a	M126n
	71#	TL8493N	2	18M	MON	2.0%	.80*	TTL	4	10	0.0	5.0	135n			267m		-25	85	1	E0234a	M126n
	72#	74191PCA	2	20M	MON	2.0%	.80*	TTL	1	10	0.0	5.0	52n			325m		0	70	1	E0182	M562
	73#	SN7493N#	2	20M	MON	2.0%	.80*	TTL	4													

11. COUNTERS

IN ORDER OF: (1)TYPE OF COUNTER (2)LOG. TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	6	TYPE No.	1	TYPE OF COUNTER	5	MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPA-GATION DELAY (s)	MAX.		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
								3	LEVEL	TYPE	IN	OUT MAX.	NEG (V)	POS (V)		RISE TIME tr (s)	FALL TIME tf (s)			LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=Mo
1		9LS93FC	2	32M	MON	2.0%	80*	TTL	4	5	0.0	5.0	18nΔ				75m%	300m	0	75	1	E0234a	TO86	
2		9LS93PC	2	32M	MON	2.0%	80*	TTL	4	5	0.0	5.0	18nΔ				75m%	300m	0	75	1	E0234a	TO116	
3		74LS93FC	2	32M	MON	2.0%	80*	TTL	4	5	0.0	5.0	18nΔ				75m%	300m	0	75	1	E0234a	TO86	
4		74293DC	2	32MΔ	MON	2.0%	80*	TTL	4	5	0.0	5.0	15n				290m%		0	70	1	E02108	M294q	
5		74293FC	2	32MΔ	MON	2.0%	80*	TTL	4	5	0.0	5.0	15n				290m%		0	70	1	E02108	FP52	
6#		FJJ411D	2	32M	MON	2.0%	80*	TTL	8	60	0.0	5.0	47nΔ				325m%		0	70	1	E0257	M200f	
7#		FJJ411P	2	32M	MON	2.0%	80*	TTL	8	60	0.0	5.0	47nΔ				325m%		0	70	1	E0257	M117u	
8#		GF874193	2	32M	MON	2.0%	80*	TTL	8	60	0.0	5.0	47nΔ				325m%	1.0 Δ	0	70	1	E0257	M200f	
9#		MIC54193J	2	32M	MON	2.0%	80*	TTL	8	10	0.0	5.0	47nΔ				325m%		-55	125	1	E0257	M153g	
10#		MIC64193J	2	32M	MON	2.0%	80*	TTL	8	10	0.0	5.0	47nΔ				325m%		-40	85	1	E0257	M153a	
11#		MIC74193J	2	32M	MON	2.0%	80*	TTL	8	10	0.0	5.0	47nΔ				325m%		0	75	1	E0257	M153g	
12#		MIC74193N	2	32M	MON	2.0%	80*	TTL	8	10	0.0	5.0	47nΔ				325m%		0	75	1	E0257	M117ab	
13		N74161B	2	32MΔ	MON	2.0%	80*	TTL	10	20	0.0	5.0	35nΔ				505m%	1.0 †	0	70	1	E0271	M317	
14		N74163B	2	32MΔ	MON	2.0%	80*	TTL	10	20	0.0	5.0	35nΔ				505m%	1.0 †	0	70	1	E0271	M317	
15		S54161B	2	32MΔ	MON	2.0%	80*	TTL	10	20	0.0	5.0	35nΔ				455m%	1.0 †	-55	125	1	E0271	M317	
16		S54163B	2	32MΔ	MON	2.0%	80*	TTL	10	20	0.0	5.0	35nΔ				455m%	1.0 †	-55	125	1	E0271	M317	
17		SN54193N	2	32M	MON	2.0%	80*	TTL	8	60	0.0	5.0	47nΔ				325m%		-55	125	1	E0257	M117	
18		SN74193W	2	32M	MON	2.0%	80*	TTL	8	60	0.0	5.0	47nΔ				325m%		0	70	1	E0257	TO84	
19		SW74161J	2	32M	MON	2.0%	80*	TTL	4		0.0	5.0	35nΔ	10n	10n		325m%		0	70	1	E0271	M117	
20		SW74163J	2	32M	MON	2.0%	80*	TTL	4		0.0	5.0	35nΔ	10n	10n		325m%		0	70	1	E0271	M117	
21#		TL74161N	2	32M†	MON	2.0%	80*	TTL	10	20	0.0	5.0	35nΔ				511m%		0	70	1	E0166	M117u	
22#		TL74163N	2	32M†	MON	2.0%	80*	TTL	10	20	0.0	5.0	35nΔ				511m%		0	70	1	E0166	M117u	
23#		TL74193N	2	32M†	MON	2.0%	80*	TTL	10	20	0.0	5.0	47nΔ				535m%		0	70	1	E0257	M117u	
24		9LS191DC	2	35M	MON	2.0%	80*	TTL	8	5	0.0	5.0	36nΔ				175m%	300m	0	75	1	E0166	M200	
25		9LS191FC	2	35M	MON	2.0%	80*	TTL	8	5	0.0	5.0	36nΔ				175m%	300m	0	75	1	E0166	FP47b	
26		9LS191PC	2	35M	MON	2.0%	80*	TTL	8	5	0.0	5.0	36nΔ				175m%	300m	0	75	1	E0166	M267b	
27		74LS191FC	2	35M	MON	2.0%	80*	TTL	8	5	0.0	5.0	36nΔ				175m%	300m	0	75	1	E0166	FP47b	
28		9LS193DC	2	40M	MON	2.0%	80*	TTL	8	5	0.0	5.0	22n				170m%	300m	0	75	1	E0332a	M200	
29		9LS193FC	2	40M	MON	2.0%	80*	TTL	8	5	0.0	5.0	22n				170m%	300m	0	75	1	E0332a	FP103	
30		9LS193PC	2	40M	MON	2.0%	80*	TTL	8	5	0.0	5.0	22n				170m%	300m	0	75	1	E0332a	M267b	
31		25LS161CH#1	2	40M	MON	2.0%	80*	TTL	9	20	0.0	5.0	35nΔ				160m%	350m*	0	70	1	E0166	CH66	
32		25LS161J#1	2	40M	MON	2.0%	80*	TTL	9	20	0.0	5.0	35nΔ				160m%	350m*	0	70	1	E0166	M200h	
33		25LS161W#1	2	40M	MON	2.0%	80*	TTL	9	20	0.0	5.0	35nΔ				160m%	350m*	0	70	1	E0166	FP101b	
34		25LS163CH#1	2	40M	MON	2.0%	80*	TTL	9	20	0.0	5.0	35nΔ				160m%	350m*	0	70	1	E0166a	CH66	
35		25LS163J#1	2	40M	MON	2.0%	80*	TTL	9	20	0.0	5.0	35nΔ				160m%	350m*	0	70	1	E0166a	M200h	
36		25LS163W#1	2	40M	MON	2.0%	80*	TTL	9	20	0.0	5.0	35nΔ				160m%	350m*	0	70	1	E0166a	FP101b	
37		74LS193FC	2	40M	MON	2.0%	80*	TTL	8	5	0.0	5.0	22n				170m%	300m	0	75	1	E0332a	FP47b	
38#		74293PCΔ	2	42M	MON	2.0%	80*	TTL					70nΔ				195m%		0	70	1	E02108	M665	
39#		FJB9316	2	45M	MON	2.0%	80*	TTL	10	8	0.0	5.0	45nΔ				325m%		0	70	1	E0147	M210a	
40		9LS293DC	2	50M	MON	2.0%	80*	TTL	4	5	0.0	5.0	70nΔ				75m%	300m	0	75	1	E02108	TO116	
41		9LS293FC	2	50M	MON	2.0%	80*	TTL	4	5	0.0	5.0	70nΔ				75m%	300m	0	75	1	E02108	TO86	
42		9LS293PC	2	50M	MON	2.0%	80*	TTL	4	5	0.0	5.0	70nΔ				75m%	300m	0	75	1	E02108	TO116	
43		74LS293FC	2	50M	MON	2.0%	80*	TTL	4	5	0.0	5.0	70nΔ				75m%	300m	0	75	1	E02108	TO86	
44		SN54197N	2	50M	MON	2.0%	80*	TTL	8	5	0.0	5.0	38nΔ				240m%		-55	125	1	E0266	M126e	
45		9LS197DC	2	60M	MON	2.0%	80*	TTL	8	5	0.0	5.0	26n				100m%	300m	0	75	1	E02134	TO116	
46		9LS197FC	2	60M	MON	2.0%	80*	TTL	8	5	0.0	5.0	26n				100m%	300m	0	75	1	E02134	TO86	
47		9LS197PC	2	60M	MON	2.0%	80*	TTL	8	5	0.0	5.0	26n				100m%	300m	0	75	1	E02134	TO116	
48		74LS197FC	2	60M	MON	2.0%	80*	TTL	8	5	0.0	5.0	26n				100m%	300m	0	75	1	E02134	TO86	
49#		74197PCΔ	2	70M	MON	2.0%	80*	TTL	1	10	0.0	5.0	63nΔ				295m%		0	70	1	E0167	M665	
50#		FJB93197	2	70MΔ	MON	2.0%	80*	TTL	8	4	0.0	5.0	63nΔ				240m%		0	70	1	E0167	Δ001AA	
51		D4209	2	10M	PCB	2.0%	95*	TTL						10n†	10n†			1.0 Δ	0	75		CB7		
52		MIC9316-1B	2	10M	PCB	2.4%	40*	TTL	10	6	0.0	5.0	14n				300m%		-55	125	1	E0147	FP47b	
53		MIC9316-1D	2	10M	PCB	2.4%	40*	TTL	10	6	0.0	5.0	14n				300m%		-55	125	1	E0147	M153a	
54		M211	2	10M	PCB	2.4%	40*	TTL					50n				650m%	1.0	0	70				
55		SN5493AN	2	20M	MON	2.4%	40*	TTL	1	10	0.0	5.0	50n	10n†	10n†		160mΔ	1.0 Δ	-55	125	1	E0235	M75a	
56		SN5493J	2	20M	MON	2.4%	40*	TTL	1	10	0.0	5.0	50n	10n†	10n†		160mΔ	1.0 Δ	-55	125	1	E0235	M75a	
57		US5493J	2	20M	MON	2.4%	40*	TTL	1	10	0.0	5.0	50n	10n†	10n†		160mΔ	1.0 Δ	-55	125	1	E0235	TO88	
58		MC74193P	2	25M	MON	2.4%	40†	TTL	8	10	0.0	5.0	31n%				325m%		0	75	1	E0332	M278	
59		MIC9316-5B	2	25M	MON	2.4%	45*	TTL	10	6	0.0	5.0	14n				300m%		0	75	1	E0147	FP47b	
60		MIC9316-5D	2	25M	MON	2.4%	45*	TTL	10	6	0.0	5.0	14n				300m%		0	75	1	E0147	M153a	
61		54R193	2	35M	MON	2.5%	40	TTL					34n				445m%		-55	125				
62		74R193	2	35M	MON	2.5%	40	TTL					34n				445m%		0	75				
63		N8293A	2	10M†	MON	2.6%	40†	TTL	8	4	0.0	5.0		5.0n	5.0n		69m		0	75	1	E0250	M105q	
64		S8293A	2	10M†	MON	2.6%	40†	TTL	8	4	0.0	5.0		5.0n	5.0n		69m		-55	125	1	E0250	M105q	
65		S8293Q	2	10M†	MON	2.6%	40†	TTL	8	4	0.0	5.0		5.0n	5.0n		69m		-55	125	1	E0250	TO88	
66		N8288A	2	25M†	MON	2.6%	40†	TTL	8	8	0.0	5.0		5.0n	5.0n		194m		0	75	1	E0248	M105q	
67		S8281Q	2	25M†	MON	2.6%	40†*	TTL	8	8	0.0	5.0	25nΔ				236m		-55	125	1	E0237a	TO88	
68		S8288A	2	25M†	MON	2.6%	40†	TTL	8	8	0.0	5.0		5.0n	5.0n		194m		-55	125	1	E0248	M105a	
69		S8288F	2	25M†	MON	2.6%	40†*	TTL	8	8	0.0	5.0		5.0n	5.0n		236m		-55	125	1	E0248	M157	
70		S8288Q</																						

11. COUNTERS

IN ORDER OF: (1)TYPE OF COUNTER (2)LOG. TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL	LINE No.	6	TYPE No.	1	TYPE OF COUNTER	5	MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPA-GATION DELAY (s)	MAX.		TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PCK MOD	DRAWINGS		
									3	1	4	2	IN	OUT MAX.	NEG (V)		POS (V)	RISE tr (s)			FALL tf (s)	LOW		HI	LOGIC DWG. No	OUTLINE DWG. No Δ = MO
	1		MEM1050	2		160k	MOS	2.0*	-10%	TTL	4		30	30					300m	1.0 *	-55	85	1	E0226	FP47	
	2		CD4020	2		2.5M%	MOS	10	0.0	TTL	2	50	0.0	10	150n	15u	15u	250u	4.5 Δ	-55	125			FP47		
	3		CD4017	2		3.0M%	MOS	10	0.0	TTL	3	50	0.0	10	225n	15u	15u	100u	4.5 Δ	-55	125			FP47		
	4		CD4018	2		3.0M%	MOS	10	0.0	TTL	4	50	0.0	10	250n	15u	15u	100u	4.5 Δ	-55	125			FP47		
	5		FT11	2, 1		10M	PCB	4.0	0.0	DTL	11	27	0	8.0			1.4				5	71	4	E0230	CB37a	
	6		5603BM	2, 3R		200kΔ	MOH	2.0%	.60*	TTL	1	4	0	6.8							0	-55	125	1		FP50a
	7		5603CM	2, 3R		200kΔ	MOH	2.0%	.60*	TTL	1	4	0	6.8							0	-55	125	1		FP50a
	8		5623BM	2, 3R		1.0MΔ	MOH	2.0%	.70*	TTL	1	4	0	6.8							0	-55	125	1		FP50a
	9		5623CM	2, 3R		1.0MΔ	MOH	2.0%	.70*	TTL	1	4	0	6.8							0	-55	125	1		FP50a
	10		5643BM	2, 3R		3.0MΔ	MOH	2.0%	.70*	TTL	1	4	0	6.8							0	-55	125	1		FP50a
	11		5643CM	2, 3R		3.0MΔ	MOH	2.0%	.70*	TTL	1	4	0	6.8							0	-55	125	1		FP50a
	12		N74LS196A	2, 3V		30MΔ	MON	2.0%	.80*	TTL	8		0.0	5.0	41n			100mt			0	-55	125	1	E02117	M318
	13		N74LS197A	2, 3V		30MΔ	MON	2.0%	.80*	TTL	8		0.0	5.0	63n			100mt			0	-55	125	1	E02117	M318
	14		S54LS196A	2, 3V		30MΔ	MON	2.0%	.80*	TTL	8		0.0	5.0	41n			100mt			0	-55	125	1	E02117	M318
	15		S54LS197A	2, 3V		30MΔ	MON	2.0%	.80*	TTL	8		0.0	5.0	63n			100mt			0	-55	125	1	E02117	M318
	16		OC5404	2, 6		5.0M	PCB	2.6%	.70*	DTL	3	6	0	5.0	200nΔ				1.0	0	0	-70	2		CB56	
	17		OC5405	2, 6		5.0M	PCB	2.6%	.70*	DTL	3	6	0	5.0	200nΔ				1.0	0	0	-70	3		CB56	
	18		MC11	2F		1.0M	PCB	0.0		DTL	21		18	18	40n	100n	100n	3.4	2.5	0	55	1		CB25		
	19		MC10	2F		1.0M	PCB	0.0		DTL	17		18	18	30n	100n	100n	2.9	2.5	0	55	1		CB25		
	20		MC12N	2F		1.0M	PCB	0.0		DTL	21		18	18	40n	100n	100n	3.5	2.5	0	55	1		CB25		
	21		MC15	2F		1.0M	PCB	0.0		DTL	12	8	18	18	40n	100n	100n	2.2	2.5	0	55	1		CB25		
	22		412N	2F		300k	PCB	0.0	.6.8	DTL	16	8	12	12				2.4		0	55	1		CB24		
	23		415Δ	2F		300k	PCB	0.0	.6.8	DTL	11	8	12	12				1.4		0	55	1		CB24		
	24		IBC0254	2F		5.0M	PCB	2.0%	1.1*	DTL	2	10	0	5.0	90nΔ			545m	500m	0	75	2	E0233	CB51		
	25		MS10	2F		1.0M	PCB	6.2	0.0	DTL	9	9	18	18	50n	100n	100n	2.9	2.5	-30	100	1		CB25		
	26		MS12N	2F		1.0M	PCB	6.2	0.0	DTL	6	8	18	18	40n	100n	100n	3.5	2.5	-30	100	1		CB25		
	27		MS15	2F		1.0M	PCB	6.2	0.0	DTL	11	8	18	18	40n	100n	100n	2.2	2.5	-30	100	1		CB25		
	28		9356DC	2F		18M%	MON	1.8%	.85*	TTL	4	10	0.0	5.25	135nΔ			250m%	400m	0	75	1	E0234b	M105ad		
	29#		MIC74L93J	2F		3.0M%	MON	2.0%	.70*	TTL	4	10	0.0	5.0	280n			16mt	1.0 Δ	0	75	1	E0234	T0116		
	30		SN54L93N	2F		3.0M%	MON	2.0%	.70*	TTL	4	10	0.0	5.0	450nΔ			16mt	1.0 Δ	-55	125	1	E0233a	M126e		
	31		SN74L93T	2F		3.0M%	MON	2.0%	.70*	TTL	4	10	0.0	5.0	450nΔ			16mt	1.0 Δ	0	70	1	E0233a	FP52e		
	32		9392DC	2F		10M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			255m%		0	70	1	E0234	T0116		
	33		9392DM	2F		10M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			255m%		-55	125	1	E0234	T0116		
	34		9392FC	2F		10M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			255m%		0	70	1	E0234	FP115		
	35		9392FM	2F		10M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			255m%		-55	125	1	E0234	FP115		
	36		9393DC	2F		10M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	135nΔ			265m%		0	70	1	E0235	T0116		
	37		9393DM	2F		10M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	135nΔ			265m%		-55	125	1	E0235	T0116		
	38		9393FC	2F		10M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	135nΔ			265m%		0	70	1	E0235	FP115		
	39		9393FM	2F		10M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	135nΔ			265m%		-55	125	1	E0235	FP115		
	40#		FJJ21	2F		10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	135nΔ			128m	1.0 Δ	0	70	1	E0235	M146e		
	41#		FJB251	2F		10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			155mt	1.0 Δ	0	70	1	E0234	T0116		
	42#		FJB493	2F		10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	135nΔ			128m	1.0 Δ	0	70	1	E0235	M146e		
	43		SW7492J	2F		10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.25	100nΔ			155mt	1.0	0	70	1	E0234	M114		
	44		SW7492N	2F		10MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.25	100nΔ			155mt	1.0	0	70	1	E0234	M105n		
	45		ITT74LS93	2F		16M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	70nΔ			75m		0	70	1	E02139	M3		
	46#		5492-1-6A	2F		18M%	MON	2.0%	.80*	TTL	4	40	0.0	5.0	100nΔ			155mt	1.0 Δ	-55	125	1	E0234	M157		
	47#		5493-1-6A	2F		18M%	MON	2.0%	.80*	TTL	4	40	0.0	5.0	75n%			155mt	1.0	-55	125	1	E0235	M157		
	48#		7492-9-6A	2F		18M%	MON	2.0%	.80*	TTL	4	40	0.0	5.0	100nΔ			155mt		0	70	1	E0234	M157		
	49#		7493-9-6A	2F		18M%	MON	2.0%	.80*	TTL	4	40	0.0	5.0	75n%			155mt	1.0	0	70	1	E0235	M157		
	50		ITT5492J	2F		18M%	MON	2.0%	.80*	TTL	4	40	0.0	7.0	75n%			155mt	1.0 Δ	-55	125	1	E0234	M157		
	51		ITT5492N	2F		18M%	MON	2.0%	.80*	TTL	4	40	0.0	7.0	75n%			155mt	1.0 Δ	-55	125	1	E0235	M157		
	52		ITT7492J	2F		18M%	MON	2.0%	.80*	TTL	4	40	0.0	7.0	75n%			155mt	1.0 Δ	0	70	1	E0234	M157		
	53		ITT7492N	2F		18M%	MON	2.0%	.80*	TTL	4	40	0.0	7.0	75n%			155mt	1.0 Δ	0	70	1	E0235	M157		
	54#		MIC5492J	2F		18M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	135nΔ			120mt	500m	-55	125	1	E0234a	T0116		
	55#		MIC6493J	2F		18M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	135nΔ			120mt	500m	-40	85	1	E0234a	T0116		
	56#		MIC7493J	2F		18M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	135nΔ			120mt	500m	0	75	1	E0234a	T0116		
	57#		MIC7493N	2F		18M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	135nΔ			120mt	500m	0	75	1	E0234a	M126x		
	58		NC7492N	2F		18M%	MON	2.0%	.80*	TTL	4	40	0.0	7.0	75n%			155mt	1.0	0	70	1	E0234	T0116		
	59		NC7493N	2F		18M%	MON	2.0%	.80*	TTL	4	40	0.0	7.0	75n%			155mt	1.0	0	70	1	E0235	T0116		
	60		PD7493	2F		18M%	MON	2.0%	.80*	TTL	4	40	0.0	7.0	75n%			155mt	1.0	0	75	1	E0235	T0116		
	61		SN5492S	2F		18M%	MON	2.0%	.80*	TTL	4	40	0.0	7.0	75n%			155mt	1.0 Δ	-55	125	1	E0234	T084		
	62		SN5493	2F		18M%	MON	2.0%	.80*	TTL	4	40	0	5.5	75n%			155mt	1.0	-55	125	1	E0235	T084		
	63		SN5493S	2F		18M%	MON	2.0%	.80*	TTL	4	40	0.0	7.0	75n%			155mt	1.0 Δ	-55	125	1	E0235	T084		
	64#		SN6492N	2F		18M%	MON	2.0%	.80*	TTL	4	40	0.0	7.0	75n%			155mt	1.0m	-40	85	1	E0234	M75a		
	65#		SN6493N	2F		18M%	MON	2.0%	.80*	TTL	4	40	0.0	7.0	75n%			155mt	1.0m	-40	85	1	E0235	M75a		
	66#		SN7492	2F		18M%	MON	2.0%	.80*	TTL	4	40	0	7.0	75n%			155mt	1.0	0	70	1	E0234	T084		
	67		SN7492AW	2F		18M%	MON	2.0%																		

11. COUNTERS

IN ORDER OF: (1)TYPE OF COUNTER (2)LOG. TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF COUNTER	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC LEVEL			FAN IN/OUT		POWER SUPPLY SPAN	PROPAGATION DELAY (s)	MAX. RISE TIME tr (s)	MAX. FALL TIME tf (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V/mV)	TEMP.		CKT PER MOD	DRAWINGS		
					3	1	4	2	IN							OUT MAX.	LOW		HI	LOGIC DWG. No	OUTLINE DWG. No
					(V)	(V)	(V)										°C		°C	Δ No	Δ No
1	25LS191J#1	2R	35M	MON	2.0%	80*	TTL	8	20	0.0	5.0	39nΔ	175m%	350m*	0	70	1	E0182	M200h		
2	25LS191W#1	2R	35M	MON	2.0%	80*	TTL	8	20	0.0	5.0	39nΔ	175m%	350m*	0	70	1	E0182	FP101b		
3	25LS193CH#1	2R	35M	MON	2.0%	80*	TTL	8	20	0.0	5.0	32nΔ	170m%	350m*	0	70	1	E02130	CH82		
4	25LS193J#1	2R	35M	MON	2.0%	80*	TTL	8	20	0.0	5.0	32nΔ	170m%	350m*	0	70	1	E02130	M200h		
5	25LS193W#1	2R	35M	MON	2.0%	80*	TTL	8	20	0.0	5.0	32nΔ	170m%	350m*	0	70	1	E02130	FP101b		
6	SN54LS169AJ	2R,U	32M	MON	2.0%	70*	TTL	9	10	0.0	5.0	35nΔ	170m%	350m*	-55	125	1	E02140	M153d		
7	SN54LS169AW	2R,U	32M	MON	2.0%	70*	TTL	9	10	0.0	5.0	35nΔ	170m%	350m*	-55	125	1	E02140	Δ004AG		
8	DC366	3	2.0M	PCM						12	6.0							E039b	C36		
9	M6784	3	800k	3DM	0.0	-6.5				18	6.0								M40		
10	M7233	3	1.0M	3DM	0.0	-6.5				18	6.0								M40		
11	M6744	3	2.0M	3DM	0.0	-6.5				18	6.0								M40		
12	N8280J	3	25M†	MON	2.6%	50*†				0	5.0	25n%Δ	50n	194m	1.0 Δ	0	75	1	E0317a	TO88	
13	S8280J	3	25M†	MON	2.6%	50*†		8	8	0	5.0	25n%Δ	50n	194m	1.0 Δ	-55	125	1	E0317a	TO88	
14	M8742	3	100k	3DM	8.0	0.0				10	30								M40		
15	M8742I	3	300k	3DM	8.0	0.0				10	30								M40		
16#	MP124B	3	200kΔ	MOS	10%	3.5*				24	0.0		150m			-20	70	1	E0334	M308	
17#	MP126B	3	200kΔ	MOS	10%	3.5*				24	0.0		150m			-20	70	1	E0334	M308	
18	BIP2610-1	3	500k	MON	14.5*	0.0%			2	0.0	14.5		200m			0	55	1	E0330	M280	
19	BIP2611-1	3	500k	MON	14.5*	0.0%		2	0.0	14.5			200m			0	55	1	E0330	M280	
20	ICM7227BPI	3	2.0M	MOS	3.0	1.5	CMS			0.0	5.0					20	70	1	E03-77b	M522a	
21	ICM7227C	3	2.0M	MOS	3.0	1.5	CMS			0.0	5.0					20	70	1	E03-77c	M667	
22	TP4360AJ	3	2.5MΔ	MOS	7.1%	2.9*	CMS			0.0	10	350nΔ	5.0u	5.0u	14m%	-40	85	1	E0349	M153d	
23	TP4360AN	3	2.5MΔ	MOS	7.1%	2.9*	CMS			0.0	10	350nΔ	5.0u	5.0u	14m%	-40	85	1	E0349	M117x	
24	TP4362AJ	3	2.5MΔ	MOS	7.1%	2.9*	CMS			0.0	10	350nΔ	5.0u	5.0u	14m%	-40	85	1	E0349	M153d	
25	TP4362AN	3	2.5MΔ	MOS	7.1%	2.9*	CMS			0.0	10	350nΔ	5.0u	5.0u	14m%	-40	85	1	E0349	M117x	
26	TF4360AJ	3	3.0MΔ	MOS	7.1%	2.9*	CMS			0.0	10	250nΔ	5.0u	5.0u	6.0m%	-55	125	1	E0349	M153d	
27	TF4360AN	3	3.0MΔ	MOS	7.1%	2.9*	CMS			0.0	10	250nΔ	5.0u	5.0u	6.0m%	-55	125	1	E0349	M117x	
28	TF4362AJ	3	3.0MΔ	MOS	7.1%	2.9*	CMS			0.0	10	250nΔ	5.0u	5.0u	6.0m%	-55	125	1	E0349	M153d	
29	TF4362AN	3	3.0MΔ	MOS	7.1%	2.9*	CMS			0.0	10	250nΔ	5.0u	5.0u	6.0m%	-55	125	1	E0349	M117x	
30	SCL4017ABC	3	5.0M%	MOS	9.95%	.05*†	CMS	3	50	0.0	10	480nΔ	100u%	3.0		-55	125	1	E0355	M200ag	
31	SCL4017ABD	3	5.0M%	MOS	9.95%	.05*†	CMS	3	50	0.0	10	480nΔ	100u%	3.0		-55	125	1	E0355	Δ001AE	
32	SCL4017ABE	3	5.0M%	MOS	9.95%	.05*†	CMS	3	50	0.0	10	480nΔ	100u%	3.0		-40	85	1	E0355	M200ah	
33	SCL4017ABF	3	5.0M%	MOS	9.95%	.05*†	CMS	3	50	0.0	10	480nΔ	100u%	3.0		-55	125	1	E0355	Δ004AH	
34	SCL4017ABH	3	5.0M%	MOS	9.95%	.05*†	CMS	3	50	0.0	10	480nΔ	100u%	3.0		-55	125	1	E0355	CHZ	
35	SCL4160BD	3	8.5M%	MOS	9.95%	.05*†	CMS	10	50	0.0	10	190nΔ	100u%	3.0		-55	125	1	E0357	Δ001AE	
36	SCL4160BE	3	8.5M%	MOS	9.95%	.05*†	CMS	10	50	0.0	10	190nΔ	100u%	3.0		-40	85	1	E0357	M200ah	
37	SCL4162BD	3	8.5M%	MOS	9.95%	.05*†	CMS	10	50	0.0	10	190nΔ	100u%	3.0		-55	125	1	E0357	Δ001AE	
38	SCL4162BF	3	8.5M%	MOS	9.95%	.05*†	CMS	10	50	0.0	10	190nΔ	100u%	3.0		-55	125	1	E0357	Δ004AH	
39	SCL4017AC	3	5.0M%	MOS	9.99%	.01*†	CMS	3	0.0	0.0	10	450nΔ	15uΔ	15uΔ	100u%	4.5	-55	125	1	E0259	M475d
40	SCL4017AD	3	5.0M%	MOS	9.99%	.01*†	CMS	3	0.0	0.0	10	450nΔ	15uΔ	15uΔ	100u%	4.5	-55	125	1	E0259	M475e
41	SCL4017AE	3	5.0M%	MOS	9.99%	.01*†	CMS	3	0.0	0.0	10	450nΔ	15uΔ	15uΔ	100u%	4.5	-40	85	1	E0259	M475f
42	SCL4017AF	3	5.0M%	MOS	9.99%	.01*†	CMS	3	0.0	0.0	10	450nΔ	15uΔ	15uΔ	100u%	4.5	-55	125	1	E0259	FP111
43	SCL4017AH	3	5.0M%	MOS	9.99%	.01*†	CMS	3	0.0	0.0	10	450nΔ	15uΔ	15uΔ	100u%	4.5	-55	125	1	E0259	FCZ
44	SCL4018AC	3	5.0M%	MOS	9.99%	.01*†	CMS	4	0.0	0.0	10	250nΔ	15uΔ	15uΔ	100u%	4.5	-55	125	1	E0260	M475d
45	SCL4018AD	3	5.0M%	MOS	9.99%	.01*†	CMS	4	0.0	0.0	10	250nΔ	15uΔ	15uΔ	100u%	4.5	-55	125	1	E0260	M475e
46	SCL4018AE	3	5.0M%	MOS	9.99%	.01*†	CMS	4	0.0	0.0	10	250nΔ	15uΔ	15uΔ	100u%	4.5	-40	85	1	E0260	M475f
47	SCL4018AF	3	5.0M%	MOS	9.99%	.01*†	CMS	4	0.0	0.0	10	250nΔ	15uΔ	15uΔ	100u%	4.5	-55	125	1	E0260	FP111
48	SCL4018AH	3	5.0M%	MOS	9.99%	.01*†	CMS	4	0.0	0.0	10	250nΔ	15uΔ	15uΔ	100u%	4.5	-55	125	1	E0260	FCZ
49	4534BDC	3	MOS	11%	4.0*	CMS	9	25E	0.0	15					6.7 Δ	-40	85	1	E0365	M559	
50	4534BDM	3	MOS	11%	4.0*	CMS	9	25E	0.0	15					6.7 Δ	-55	125	1	E0365	M559	
51	4534BFC	3	MOS	11%	4.0*	CMS	9	25E	0.0	15					6.7 Δ	-40	85	1	E0365	FP66	
52	4534BFM	3	MOS	11%	4.0*	CMS	9	25E	0.0	15					6.7 Δ	-55	125	1	E0365	FP66	
53	4534BPC	3	MOS	11%	4.0*	CMS	9	25E	0.0	15					6.7 Δ	-40	85	1	E0365	M560	
54	DC356	3	250k	PCB	0.0	-6.0	DTL	3		12	6.0					-55	71	1	E039	CB36	
55	DC336	3	2.0M	PCB	0.0	-6.0	DTL	3		6.0	12					-55	71	1	E039a	CB36	
56	305	3	5.0MΔ	PCB	2.0%	45*	DTL	7	68	0.0	5.0	70nΔ	680m	100m	1.4	0	70	2	E0312	CB50	
57	NE8280A	3	25MΔ	MON	2.0%	80*	DTL	8	8†	0	6.0					0	75	1	E0317	TO116	
58	NE8280J	3	25MΔ	MON	2.0%	80*	DTL	8	8†	0	6.0					0	75	1	E0317a	TO88	
59	SE8280A	3	25MΔ	MON	2.0%	80*	DTL	8	8†	0	6.0					-55	125	1	E0317	TO116	
60	SE8280J	3	25MΔ	MON	2.0%	80*	DTL	8	8†	0	6.0					-55	125	1	E0317a	TO88	
61	D4033	3	5.0M	PCB	2.0%	95*	DTL	2	9	0	5.0	40n%	50n†	15n†	755m	1.0 Δ	0	75	1	CBZ	CB10a
62	DC31	3	5.0M	PCB	3.0	0.0	DTL	3	30	0	4.0					-40	75	2		M153d	
63	SN10137J	3	MON	.98%	-1.6*	ECT	8		5.2	0.0	4.0					0	85	1	E075	FP103	
64	SN10137N	3	MON	.98%	-1.6*	ECT	8		5.2	0.0	4.0					0	85	1	E075	M117x	
65	F10137FC	3	250M%	MON	-96%	-1.6*†	ECT	8	80G	5.2	0.0	6.9nΔ	702m%	145m*		0	75	1	E0367	FP103	
66	MC1696F	3	1.0G†	MON	-96%	-1.6*†	ECT	4		5.2	0.0		650m†			-30	85	1	E0341	FB85	
67	SDC1	3	1.5M	PCB	0.0	-8.0	RCT	3	10	12	12	120n%	150n	250n	1.5	-40	75	1	E0311	CB10	
68	SDC21	3	300k	PCB	0.0	-8.0	RCT	3	10	12	12	180n%	500n	1.0u	350m	1.5	-40	75	1	E0311	CB10
69	DC21	3	100k	PCB	0.0	-10	RCT	3	10	12	6.0	300n%	1.0u	4.0u	370m	1.5	-20	55	1	E0311	CB10
70	DC1	3	300k	PCB	0.0	-10	RCT	3	10	12	6.0	180n%	500n	1.0u	380m	1.5	-20	55	1	E0311	CB10
71	DC1A	3	2.0M	PCB	0.0	-10	RCT	3	7	12	6.0	100n%	100n	250n	760m	1.5	-20	55	1	E0311	CB10
72	DC2	3	5.0M	PCB	0.0	-10	RCT	3	7	12	6.0	50n%	50n	150n	760m	1.5	-20	55	1	E0311	CB10
73	GDC1-2	3	200k	PCB	-10	0.0	RCT	2	8	12	6.0	400n	1.0u	500n	720m	2.0	0	55	4	E038	CB15
74	GDC1-1	3	1.0M	PCB	-10	0.0	RCT	2	8	12	6.0	200n	250n	200n	720m	2.0	0	55	4	E038	CB15
75	GDC1-5	3	5.0M	PCB	-10	0.0															

11. COUNTERS

IN ORDER OF: (1)TYPE OF COUNTER (2)LOG. TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	1	TYPE OF COUNTER	5	MAX OPERATING FREQ. (Hz)	PRO-CESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPAGA-TION DELAY (s)	MAX. RISE TIME (s)		MAX. FALL TIME (s)	MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
							3	'1' (V)	'0' (V)	2	IN	OUT MAX.	NEG (V)		POS (V)	LOW				HI	LOGIC DWG. No		OUTLINE DWG. No Δ=MO	
																								LEVEL
1	74LS190DC	3	35M	MON	2.0%	.80*	TTL	8	5	0.0	5.0	36nΔ	175m	300m	0	75	1	E0166	M200					
2	74LS190FC	3	35M	MON	2.0%	.80*	TTL	8	5	0.0	5.0	36nΔ	175m	300m	0	75	1	E0166	FP47b					
3	9LS192DC	3	40M	MON	2.0%	.80*	TTL	8	5	0.0	5.0	22n	170m	300m	0	75	1	E0329	M200					
4	9LS192FC	3	40M	MON	2.0%	.80*	TTL	8	5	0.0	5.0	22n	170m	300m	0	75	1	E0329	FP47b					
5	9LS192PC	3	40M	MON	2.0%	.80*	TTL	8	5	0.0	5.0	22n	170m	300m	0	75	1	E0329	M267b					
6	74LS192FC	3	40M	MON	2.0%	.80*	TTL	8	5	0.0	5.0	22n	170m	300m	0	75	1	E0329	FP47b					
7	9LS290DC	3	50M%	MON	2.0%	.80*	TTL	6	5	0.0	5.0	50nΔ	75m	300m	0	75	1	E0340	TO116					
8	9LS290FC	3	50M%	MON	2.0%	.80*	TTL	6	5	0.0	5.0	50nΔ	75m	300m	0	75	1	E0340	TO86					
9	9LS290PC	3	50M%	MON	2.0%	.80*	TTL	6	5	0.0	5.0	50nΔ	75m	300m	0	75	1	E0340	TO116					
10	74LS290FC	3	50M%	MON	2.0%	.80*	TTL	6	5	0.0	5.0	50nΔ	75m	300m	0	75	1	E0340	TO86					
11#	74176PC#	3	50M%	MON	2.0%	.80*	TTL	2	10	0.0	5.0	50nΔ	240m	300m	0	70	4	E0167a	M665					
12#	74196PCA	3	70M%	MON	2.0%	.80*	TTL	1	10	0.0	5.0	63nΔ	295m	300m	0	70	1	E0157	M665					
13	MC8390F	3	10M10	MON	2.4%	.40*†	TTL	6	10	0.0	5.0	100nΔ	160m†	160m†	0	75	1	E0323	TO86					
14	MC8390L.P%	3	10M10	MON	2.4%	.40*†	TTL	6	10	0.0	5.0	100nΔ	160m†	160m†	0	75	1	E0323	TO116					
15	MC9390F	3	10M10	MON	2.4%	.40*†	TTL	6	10	0.0	5.0	100nΔ	160m†	160m†	0	75	1	E0323	TO86					
16	MC9390L	3	10M10	MON	2.4%	.40*†	TTL	6	10	0.0	5.0	100nΔ	160m†	160m†	-55	125	1	E0323	TO116					
17	MC74192P	3	25M	MON	2.4%	.40*†	TTL	8	10	0.0	5.0	31nΔ	325m†	236m†	0	75	1	E0332	M278					
18	S8280Q	3	25M%	MON	2.6%	.40*†	TTL	8	8	0.0	5.0	25nΔ	194m	1.0 Δ	-55	125	1	E0317	TO88					
19	N8280A	3	25M1%	MON	2.6%	.50*†	TTL	8	8	0.0	5.0	25nΔ	194m	1.0 Δ	-55	125	1	E0317	TO116					
20	S8280A	3	25M1%	MON	2.6%	.50*†	TTL	8	8	0.0	5.0	25nΔ	194m	1.0 Δ	-55	125	1	E0317	TO116					
21	TMCD1	3	10M	PCB	3.3	.22	TTL	1	10	0.0	5.0	100nΔ	265m	1.0	0	70	1	E0317	CB53					
22	TMCD2	3	10M	PCB	3.3	.22	TTL	1	10	0.0	5.0	100nΔ	530m	1.0	0	70	2	E0316	CB53					
23	PL5050#1	3	50KΔ	MON	-4*	-13%	TTL	4	4	30	0	0	25m	25m	-55	125	1	E0316	TO86					
24	PL5050#2	3	50KΔ	MON	-4*	-13%	TTL	4	4	30	0	0	25m	25m	-55	125	1	E0316	FP33					
25	F1831	3H	3.0M	PCB	0.0	-6.0	RCT	2	2	8	0	3.3	70n	200	0	72	1	E0314	CB52					
26	F1832.A	3H	3.0M	PCB	0.0	-6.0	RCT	2	2	8	0	3.3	70n	200	0	72	1	E0314	CB52					
27	F1822A	3H	1.1M	PCB	0.0	-6.0	RCT	2	2	8	0	12	70n	200	0	72	1	E031	CB5					
28	BIP8054	3J	110k	PCB	12	0.0	0.0	1	1	12	200	100n	100n	1.8	0	85	1	E035	CB12					
29	BIP8055	3J	150k	PCB	12	0.0	0.0	1	1	12	200	100n	100n	1.8	0	85	10	E036	CB12					
30	SCL4018BD	3U	5.0M%	MOS	9.95%	.05*†	CMS	4	50	0.0	10	300nΔ	100u	3.0	-55	125	1	E0356	Δ001AE					
31	SCL4018BF	3U	5.0M%	MOS	9.95%	.05*†	CMS	4	50	0.0	10	300nΔ	100u	3.0	-55	125	1	E0356	Δ004AH					
32#	GZF1201D	3W	5.0M	MOS	3.5%	1.5*	CMS	8	8	0.0	5.0	90n	500n	200n	-40	85	1	E0350	M570					
33	N402	4	250k	PCB	1.5	-5.0	DTL	4	4	0	6.5	90n	500n	2.0u	-54	71	1	E041	CB13					
34	N129	4	250k	PCB	1.5	-5.0	DTL	4	4	0	6.5	90n	500n	2.0u	-54	71	1	E041	CB13					
35	N401	4	250k	PCB	1.5	-5.0	DTL	15	2	12	0	90n	200nΔ	1.0	0	55	8	E042	CB13					
36	UD320	4	2.0M	MOH	6.3	1.1	DTL	4	4	0.0	6.3	160n	800m	1.3	0	55	4	E041a	CB13					
37	BC337	4	5.0M	MOH	6.3	1.1*	DTL	10	8	0.0	6.3	80n	500n	200n	0	75	1	E041a	CB13					
38	UD335	4	5.0M	MOH	6.3	1.1	DTL	7	6	0.0	6.3	80n	500n	200n	0	75	1	E041a	CB13					
39	UD336	4	5.0M	MOH	6.3	1.1	DTL	8	6	0.0	6.3	80n	500n	200n	0	75	1	E041a	CB13					
40	N403	4	250k	PCB	-3.0	-11	DTL	4	10	0	6.5	90n	500n	200n	-54	71	1	E052	M105j					
41#	30350-01-2-268	5	300k	PCB	0.0	-12	DTL	12	12	30	1.0u	1.0u	16m†	2.0 Δ	0	50	12	E052	M105j					
42#	M5812P	5	100k	MOS	-9.0%	-4.0*	CMS	4	4	0.0	10	1.5u	300m	3.0 Δ	-20	70	1	E054	M105z					
43#	MP131B	5	500kΔ	MOS	-9.5%	-3.5*	CMS	4	4	0.0	10	1.0u	400u	2.0 *	-40	85	1	E055	M117x					
44	TP4022AN	5	5.0M%	MOS	7.0%	3.0*	CMS	3	3	6E	0.0	10	600nΔ	6.0m	-55	125	1	E0259	M153d					
45	TF4017AJ	5	5.0MΔ	MOS	7.1%	2.9*	CMS	3	3	0.0	10	600nΔ	6.0m	14m	-55	125	1	E0259	M117x					
46	TF4017AN	5	5.0MΔ	MOS	7.1%	2.9*	CMS	3	3	0.0	10	600nΔ	6.0m	14m	-55	125	1	E0259	M153d					
47	TF4017AJ	5	5.0MΔ	MOS	7.1%	2.9*	CMS	3	3	0.0	10	750nΔ	14m	14m	-40	85	1	E0259	M117x					
48	TF4017AN	5	5.0MΔ	MOS	7.1%	2.9*	CMS	3	3	0.0	10	750nΔ	14m	14m	-40	85	1	E0259	M153d					
49	SCL4426ABD	5	5.0M%	MOS	9.25%	.1*	CMS	2	50	0.0	10	500nΔ	100u	3.0	-55	125	1	E0512	Δ001AE					
50	SCL4426ABF	5	5.0M%	MOS	9.25%	.1*	CMS	2	50	0.0	10	500nΔ	100u	3.0	-55	125	1	E0512	Δ004AH					
51	SCL4433ABD	5	5.0M%	MOS	9.25%	.1*	CMS	4	50	0.0	10	500nΔ	100u	3.0	-55	125	1	E0513	Δ001AE					
52	SCL4433ABF	5	5.0M%	MOS	9.25%	.1*	CMS	4	50	0.0	10	500nΔ	100u	3.0	-55	125	1	E0513	Δ004AH					
53	SCL4022ABC	5	5.0M%	MOS	9.95%	.05*†	CMS	3	50	0.0	10	480nΔ	100u	3.0	-55	125	1	E0511	M200ag					
54	SCL4022ABD	5	5.0M%	MOS	9.95%	.05*†	CMS	3	50	0.0	10	480nΔ	100u	3.0	-55	125	1	E0511	Δ001AE					
55	SCL4022ABE	5	5.0M%	MOS	9.95%	.05*†	CMS	3	50	0.0	10	480nΔ	100u	3.0	-55	125	1	E0511	M200ah					
56	SCL4022ABF	5	5.0M%	MOS	9.95%	.05*†	CMS	3	50	0.0	10	480nΔ	100u	3.0	-55	125	1	E0511	Δ004AH					
57	SCL4022ABH	5	5.0M%	MOS	9.95%	.05*†	CMS	3	50	0.0	10	480nΔ	100u	3.0	-55	125	1	E0511	CHZ					
58	SCL4026ABD	5	5.0M%	MOS	9.95%	.05*†	CMS	4	50	0.0	10	500nΔ	100u	3.0	-55	125	1	E057	Δ001AE					
59	SCL4033ABD	5	5.0M%	MOS	9.95%	.05*†	CMS	5	50	0.0	10	500nΔ	100u	3.0	-55	125	1	E058	Δ001AE					
60	SCL4033ABF	5	5.0M%	MOS	9.95%	.05*†	CMS	5	50	0.0	10	500nΔ	100u	3.0	-55	125	1	E058	Δ004AH					
61	HD1-4017A2	5	5.0MΔ	MOS	9.99%	.01*†	CMS	3	0.0	0.0	10	400nΔ	15u	15u	4.5 Δ	-55	125	1	E0259	M200q				
62	HD1-4017A9	5	5.0MΔ	MOS	9.99%	.01*†	CMS	3	0.0	0.0	10	400nΔ	15u	15u	1.0m	4.5 Δ	-40	85	1	E0259	M200q			
63	HD1-4018A2	5	5.0MΔ	MOS	9.99%	.01*†	CMS	3	0.0	0.0	10	400nΔ	15u	15u	1.0m	4.5 Δ	-55	125	1	E0260	M200q			
64	HD1-4018A9	5	5.0MΔ	MOS	9.99%	.01*†	CMS	3	0.0	0.0	10	400nΔ	15u	15u	1.0m	4.5 Δ	-40	85	1	E0260	M200q			
65	HD1-4022A2	5	5.0MΔ	MOS	9.99%	.01*†	CMS	3	0.0	0.0	10	400nΔ	15u	15u	1.0m	4.5 Δ	-55	125	1	E056	M200q			
66	HD1-4022A9	5	5.0MΔ	MOS	9.99%	.01*†	CMS	3	0.0	0.0	10	800nΔ	15u	15u	1.0m	4.5 Δ	-40	85	1	E056	M200q			
67	HD9-4017A2	5	5.0MΔ	MOS	9.99%	.01*†	CMS	3	0.0	0.0	10	400nΔ	15u	15u	1.0m	4.5 Δ	-55	125	1	E0259	FP103			
68	HD9-4017A9	5	5.0MΔ	MOS	9.99%	.01*†	CMS	3	0.0	0.0	10	500nΔ	15u	15u	1.0m	4.5 Δ	-40	85	1	E0260	FP103			
69	HD9-4018A2	5	5.0MΔ	MOS	9.99%	.01*†	CMS	3	0.0	0.0	10	400nΔ	15u	15u	1.0m	4.5 Δ	-55	125	1	E0260	FP103			
70	HD9-4018A9	5	5.0MΔ	MOS	9.99%	.01*†	CMS	3	0.0	0.0	10	400nΔ	15u	15u	1.0m	4.5 Δ	-40	85	1	E0260	FP103			
71	HD9-4022A2	5	5.0MΔ	MOS	9.99%	.01*†	CMS	3	0.0	0.0	10	400nΔ	15u	15u	1.0m	4.5 Δ	-55	125	1	E056	FP103			
72	HD9-4022A9	5	5.0MΔ	MOS	9.99%	.01*†	CMS	3	0.0	0.0	10	800nΔ	15u	15u	1.0m	4.5 Δ	-40	85	1	E056	FP103			
73	SCL4022AC	5	5.0M%	MOS	9.99%	.01*†	CMS	3	0.0	0.0	10	450nΔ	15uΔ	15uΔ										

11. COUNTERS

IN ORDER OF: (1)TYPE OF COUNTER (2)LOG. TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	TYPE No.	TYPE OF COUNTER	MAX OPER. FREQ. (Hz)	PRO-CESS	LOGIC			FAN		POWER SUPPLY SPAN		PROPA-GATION DELAY (s)	MAX. RISE TIME		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS	
					LEVEL	TYPE	IN	OUT MAX.	NEG (V)	POS (V)	tr (s)		tf (s)	LOW °C			HI °C	LOGIC DWG. No		OUTLINE DWG. No Δ=MO	
																					3
1	TP4018BN	6			MOS	7.0%	3.0*	CMS	9	6E	0.0	10			400u*	2.0*	-40	85	1	E02135	M117x
2	TF4029AJ	6	5.0MΔ	MOS	7.1%	2.9*	CMS			0.0	10	550nΔ			6.0m*		-55	125	1	E0611	M153d
3	TF4029AN	6	5.0MΔ	MOS	7.1%	2.9*	CMS			0.0	10	550nΔ			6.0m*		-55	125	1	E0611	M117x
4	TP4029AJ	6	5.0MΔ	MOS	7.1%	2.9*	CMS			0.0	10	1.1uΔ			14m*		-40	85	1	E0611	M153d
5	TP4029AN	6	5.0MΔ	MOS	7.1%	2.9*	CMS			0.0	10	1.1uΔ			14m*		-40	85	1	E0611	M117x
6	SCL4029BD	6	6.0M%	MOS	9.95%	.05*†	CMS	9	50	0.0	10	300nΔ			100u*	3.0	-55	125	1	E0618	Δ001AE
7	SCL4029BF	6	6.0M%	MOS	9.95%	.05*†	CMS	9	50	0.0	10	300nΔ			100u*	3.0	-55	125	1	E0618	Δ004AH
8	HD1-4029A2	6	5.0MΔ	MOS	9.99%	.01*†	CMS			0.0	10	300nΔ	15u	15u	100u*	4.5 Δ	-55	125	1	E0611	M200q
9	HD1-4029A9	6	5.0MΔ	MOS	9.99%	.01*†	CMS			0.0	10	300nΔ	15u	15u	1.0m*	4.5 Δ	-40	85	1	E0611	M200q
10	HD9-4029A2	6	5.0MΔ	MOS	9.99%	.01*†	CMS			0.0	10	300nΔ	15u	15u	100u*	4.5 Δ	-55	125	1	E0611	FP103
11	HD9-4029A9	6	5.0MΔ	MOS	9.99%	.01*†	CMS			0.0	10	300nΔ	15u	15u	1.0m*	4.5 Δ	-40	85	1	E0611	FP103
12	SCL4029AC	6	6.0M%	MOS	9.99%	.01*†	CMS	9		0.0	10	300nΔ	15uΔ	15uΔ	100u*	4.5	-55	125	1	E0618	M475d
13	SCL4029AD	6	6.0M%	MOS	9.99%	.01*†	CMS	9		0.0	10	300nΔ	15uΔ	15uΔ	100u*	4.5	-55	125	1	E0618	M475e
14	SCL4029AE	6	6.0M%	MOS	9.99%	.01*†	CMS	9		0.0	10	300nΔ	15uΔ	15uΔ	100u*	4.5	-40	85	1	E0618	M475f
15	SCL4029AF	6	6.0M%	MOS	9.99%	.01*†	CMS	9		0.0	10	300nΔ	15uΔ	15uΔ	100u*	4.5	-55	125	1	E0618	FP111
16	SCL4029AH	6	6.0M%	MOS	9.99%	.01*†	CMS	9		0.0	10	300nΔ	15uΔ	15uΔ	100u*	4.5	-55	125	1	E0618	FCΔ
17	CD4029AK	6	5.0MΔ	MOS	10	0.0†	CMS	9	50	0.0	10	300nΔ	15uΔ	15uΔ	100u*	4.5 Δ	-55	125	1	E0611	Δ004AG
18	RDC808	6	5.0M	PCB	2.2%	70*	DTL	13	6	0	5.0	40n			750m	400m	0	75	1		CBΔ
19	MC1679L	6	350M%	MON	-96%	-1.6*	ECT	7	7	5.2	0.0	3.7n	2.7n	2.6n	750m†	70m†	0	75	1	E069	M191
20#	MA20	6	1.0M	PCB	0.0	-4.0*	MOS	6	7	2.0	0.0	450n	40n	425n	40m	750m	-55	125	1	E066	CN25a
21#	4215	6	1.0M	PCB	0.0	-3.0	RCT	2	6	15	10		90n	160n	1.4	500m	-20	55	4		E061a
22	NB1001	6	20M	MON	82	.57	RTL	3	5†	2.7	3.3	16n	38n	36n	70m	540m	-55	125	1	E063	CN29
23	NB2001	6	20M	MON	82	.57	RTL	3	5†	2.7	3.3	16n	38n	36n	70m	540m	-55	125	1	E063	CN29
24	NB3001	6	20M	MON	82	.57	RTL	3	5†	2.7	3.3	16n	38n	36n	70m	540m	15	55	1	E063	CN29
25	9319DC	6	35n%	MON	2.0%	.80*	TTL	5	20	0.0	5.0	50nΔ			300mΔ		0	70	5	660	M561
26	9319DM	6	35n%	MON	2.0%	.80*	TTL	5	20	0.0	5.0	50nΔ			300mΔ		-55	125	5	660	M561
27	9320DC	6	35n%	MON	2.0%	.80*	TTL	5	30	0.0	5.0	50nΔ			300mΔ		0	70	5	E0628	M561
28	9320DM	6	35n%	MON	2.0%	.80*	TTL	5	30	0.0	5.0	50nΔ			300mΔ		-55	125	5	E0628	M561
29	9320PC	6	35n%	MON	2.0%	.80*	TTL	5	3.0	0.0	5.0	50nΔ			300mΔ		0	70	5	E0628	M591
30#	FJB9305	6	26M%	MON	2.0%	.80*	TTL	6	8	0.0	5.0	62nΔ			330m*		0	70	1	E068	Δ001AA
31	DM7532D	6	30M%	MON	2.0%	.80*	TTL	4	10	0	5.0	20n%			250m†	1.0	-55	125	1		CBΔ
32	74176FC	6	35M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	75nΔ			240mΔ		0	70	4	E0624	FP52
33	D4027	6B	5.0M	PCB	2.0%	.95*	DTL	2	11	0	5.0	40n%	50n†	15n†	500m	1.0 Δ	0	75	4		CBΔ
34	E001	6C	1.0M								12				200m		-55	125			M19c
35	DC1CDD1	6F	10k	PCB	0.0	-6.0		3	6	18	18	1.0u	1.5u	3.0u		1.2	-55	55	4		
36	DC01CDD1	6F	20k	PCB	0.0	-6.0		3	4	12	12	1.5u	3.5u	5.0u		1.0	-55	55	4		
37	DC01CXDD1	6F	20k	PCB	0.0	-6.0		3	4	12	12	1.5u	3.5u	5.0u		1.0	-55	55	4		
38	DC2CDD1	6F	2.0M	PCB	0.0	-6.0		3	6	18	18	50n	150n	250n		1.2	-55	55	4		
39	DC10CDD1	6F	10M	PCB	0.0	-6.0		3	4	18	18	25n	50n	80n		1.2	-55	55	4		
40	DC50CSD1	6F	50M	PCB	3.0	0.0		3	4	12	12	9.0n	7.0n	10n		1.0	-10	100	4		
41	DC01CSDD1	6F	20k	PCB	6.0	0.0		3	4	12	12	500n	1.0u	1.0u		1.0	-55	100	4		
42	DC01CSXDD1	6F	20k	PCB	6.0	0.0		3	4	12	12	500n	1.0u	1.0u		1.0	-55	100	4		
43	DC2CSDD1	6F	2.0M	PCB	6.0	0.0		3	6	18	18	50n	150n	250n		1.2	-55	100	4		
44#	MIC5492J	6F	18MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			124m†	500m	-55	125	1	E0234	TO116
45#	MIC6492J	6F	18MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			124m†	500m	-40	85	1	E0234	TO116
46#	MIC7492J	6F	18MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			124m†	500m	0	75	1	E0234	TO116
47#	MIC7492N	6F	18MΔ	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			124m†	500m	0	75	1	E0234	M126x
48	BQDC100	6J	100k	PCB	4.0	0.0	RCT	2		50	135		500n		2.2				1	E064	CB4
49	9305DM	6U	20MΔ	MON	1.7%	.90*	TTL	6	8	0.0	5.0	55n%			300m*	400m	-55	125	1	E068	M105ad
50	9305DC	6U	20MΔ	MON	1.8%	.85*	TTL	6	8	0.0	5.0	55n%			325m*	400m	0	75	1	E068	M105ad
51	9305FC	6U	20MΔ	MON	2.0%	.80*	TTL	6	8	0.0	5.0	62nΔ			330m*	400m	0	75	1	E068	T086
52	93S05DC	6U	90M%	MON	2.0%	.80*	TTL	6	10B	0.0	5.0	18n			400m†	300m*	0	75	1	E068	TO116
53	93S05DM	6U	90M%	MON	2.0%	.80*	TTL	6	10B	0.0	5.0	18n			400m†	300m*	-55	125	1	E068	TO116
54	93S05FM	6U	90M%	MON	2.0%	.80*	TTL	6	10B	0.0	5.0	18n			400m†	300m*	-55	125	1	E068	FP21h
55	93S05PC	6U	90M%	MON	2.0%	.80*	TTL	6	10B	0.0	5.0	18n			400m†	300m*	0	75	1	E068	M591
56	SN10136J	7		MON	.98%	-1.6*	ECT	8		5.2	0.0				400m†	300m*	0	85	1	E075	M153d
57	SN10136N	7		MON	.98%	-1.6*	ECT	8		5.2	0.0				400m†	300m*	0	85	1	E075	M117x
58	F10138FC	7	250M%	MON	-96%	-1.6*†	ECT	8	80G	5.2	0.0	6.9nΔ			702m*	145m*	0	75	1	E075	FP103
59	JANM38510/31510BDE	8	29M	MON	2.0%	.70*	TTL	4	10D	0.0	5.0	81nΔ			83m		-55	125	1	E083	FP116
60	JANM38510/31510CDE	8	29M	MON	2.0%	.70*	TTL	4	10D	0.0	5.0	81nΔ			83m		-55	125	1	E083	FP116
61	9LS92DM	8	32M	MON	2.0%	.70*	TTL	4	2.5	0.0	5.0	18nΔ			75m*	300m	-55	125	1	E0234	TO116
62	9LS92FM	8	32M	MON	2.0%	.70*	TTL	4	2.5	0.0	5.0	18nΔ			75m*	300m	-55	125	1	E0234	T086
63	54LS92DM	8	32MΔ	MON	2.0%	.70*	TTL	4	5	0.0	5.0	18nΔ			75m*	300m	-55	125	1	E0234	M294q
64	N7492A	8	18M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			255m†	1.0 †	0	70	1	E0254	M318
65	S5492A	8	18M%	MON	2.0%	.80*	TTL	4	10	0.0	5.0	100nΔ			220m†	1.0 †	-55	125	1	E0254	M318
66	9LS92DC	8	32M	MON	2.0%	.80*	TTL	4	5	0.0	5.0	18nΔ			75m*	300m	0	75	1	E0234	TO116
67	9LS92FC	8	32M	MON	2.0%	.80*	TTL	4	5	0.0	5.0	18nΔ			75m*	300m	0	75	1	E0234	T086
68	9LS92PC	8	32M	MON	2.0%	.80*	TTL	4	5	0.0	5.0	18nΔ			75m*	300m	0	75	1	E0234	TO116
69	74LS92DC	8	32M	MON	2.0%	.80*	TTL	4	5	0.0	5.0	18nΔ			75m*	300m	0	75	1	E0234	TO116
70	74LS92FC	8	32M	MON	2.0%	.80*	TTL	4	5	0.0	5.0	18nΔ			75m*	300m	0	75	1	E0234	T086
71#	7492PC	8	42M%	MON	2.0%	.80*	TTL	2	10	0.0	5.0	50nΔ			195m		0	70	4	E082	M665

DIGITAL

12. CLOCKS/MULTIVIBRATORS

IN ORDER OF: (1)TYPE OF M-V (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL	LINE No.	TYPE No.	TYPE OF M-V	MAX OPERATING FREQ. (Hz)	PROCESS	LOGIC			FAN IN	OUT MAX.	POWER SUPPLY SPAN		MIN. DELAY (s)	MAX.		TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS			
						LEVEL	TYPE	TYPE			NEG. (V)	POS. (V)		RISE TIME tr (s)	FALL TIME tf (s)			LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=MO		
																							'1'	'0'
	1	NC19		15M	MOH	5.0	0.0	RCT		5	0	12			200m		-55	125						
	2	PC19		15M	MOH	5.0	0.0	RCT		5	0	12					-55	125						
	3	XR220#2	1		MON	9.8%Δ	2.2*†		4	4	0.0	12		100n†	40n†	750m		0	75	1	C0121	M294e		
	4	XR220M#2	1		MON	9.8%Δ	2.2*†		4	4	0.0	12		100n†	40n†	750m		-55	0	1	C0121	M294e		
	5	XR320#2	1		MON	10.4%Δ	1.5*†		4	4	0.0	12		100n†	40n†	750m		0	75	1	C0121	M294e		
	6	HD1-14528-2	1		MOS	15	0.0				0.0	15	175n	75n	50n	3.0	-55	125	2					
	7	HD1-14528-9	1		MOS	15	0.0				0.0	15	175n	75n	50n	3.0	-40	85	2					
	8	HD9-14528-2	1		MOS	15	0.0				0.0	15	175n	75n	50n	3.0	-55	125	2					
	9	HD9-14528-9	1		MOS	15	0.0				0.0	15	175n	75n	50n	3.0	-40	85	2					
	10#	MN6052	1	4.1M	MOS			CMS			1.5				300m		-30	0			C0126	M266d		
	11	MV340	1	10M	PCB			DTL	8	12	6.0		30n		1.2		55	1			C0113			
	12	EM3010	1	2.0M	3DM	0.0	6.0	DTL	0	0	0			25n	80n	210m		-55	125	1		M62		
	13	EM2510	1	250k	3DM	0.0	-6.0	DTL	0	0	6.0	0		200n	1.0u	90m		-55	71	1		M62		
	14	EM2510A	1	250k	3DM	0.0	-6.0	DTL	0	0	6.0	0		200n	1.0u	90m		-55	71	1		M62		
	15	EM2610	1	2.0M	3DM	0.0	-6.0	DTL	0	0	6.0	0		50n	95n	192m		-55	71	1		M62		
	16	IMC2275	1	5.0M	PCB	2.5%	4.0*	DTL	0	8	0	5.0				500m	0	75	1			CB51		
	17	T105A	1	250M	PCB	6.0	-6.0	DTL	2	2	12	18	1.0u	1.0u	60m	2.6	-45	100	1					
	18	MS50	1	1.0M	PCB	6.2	0.0	DTL	8	14	18	18	60n	100n	2.6	2.5 *	-30	65	1			CB25		
	19#	H117D1#1	1		MON	8.0%	6.0*	DTL	2	25	0.0	20	91uΔ		500m%	5.0	0	75	1			C0114	M443	
	20#	H117D2#1	1		MON	8.0%	6.0*	DTL	2	25	0.0	16	91uΔ		400m%	5.0	-55	125	1			C0114	M443	
	21#	H117D6#1	1		MON	8.0%	6.0*	DTL	2	25	0.0	16	91uΔ		400m%	5.0	-40	85	1			C0114	M443	
	22	CG21-1	1	5.0M	3DM	9.0	0.0	DTL	1	5	12	12	10n	100n	30n	150m	-35	125	1			C013	M16	
	23	F005-2	1			11	0.0	RCT			0.0	12			50m		-55	125	2			C011a		
	24	F005-3	1			11	0.0	RCT			0.0	12			50m		-55	125	3			C011b		
	25	F005-1	1	1.0M		11	0.0	RCT			0.0	12			50m		-55	125	1			C011		
	26	GCG1-2	1	200k	PCB	-10	0.0	RCT		15	12	6.0		1.0u	500n	540m	0	55	1			C013	CB15	
	27	GCG1-1	1	1.0M	PCB	-10	0.0	RCT		15	12	6.0		250m	200n	540m	0	55	1			C013	CB15	
	28	GCG1-5	1	5.0M	PCB	-10	0.0	RCT		15	12	6.0		50n	50n	540m	0	55	1			C013	CB15	
	29#	MIC54124J#2	1		MON	2.0%	8.0*	TTL	3	10	0.0	5.0	85nΔ	10n	4.0n	150m†	-55	125	1			C0117	TO116	
	30#	MIC64124J#2	1		MON	2.0%	8.0*	TTL	3	10	0.0	5.0	85nΔ	10n	4.0n	150m†	-40	85	1			C0117	TO116	
	31#	MIC74124J#2	1		MON	2.0%	8.0*	TTL	3	10	0.0	5.0	85nΔ	10n	4.0n	150m†	0	75	1			C0117	TO116	
	32#	MIC74124N#2	1		MON	2.0%	8.0*	TTL	3	10	0.0	5.0	85nΔ	10n	4.0n	150m†	0	75	1			C0117	M157b	
	33	RM556D#1	1		MON	3.3	1.0†	TTL	5	5	0.0	5.0		100n†	100n†	600m	-55	125	2			C0122a	M312	
	34	RC555DN#1	1		MON	3.3	.25†	TTL	5	5	0.0	5.0		100n†	100n†	600m	0	70	1			C0122	M239c	
	35	RC555D#1	1		MON	3.3	.25†	TTL	5	5	0.0	5.0		100n†	100n†	600m	0	70	2			C0122a	M312	
	36	RC555DP#1	1		MON	3.3	.25†	TTL	5	5	0.0	5.0		100n†	100n†	600m	0	70	2			C0122a	M313	
	37	XR555CT#1	1		MON	12.7%	.25*†	TTL	5	5	0.0	15		100n†	100n†	300m	0	75	1			J0598b	CN7	
	38	XR555MT#1	1		MON	13%	.15*†	TTL	5	5	0.0	15		100n†	100n†	300m	-55	125	1			J0598b	CN7	
	39	CG333A	1A	2.0M	PCB	0.0	-6.0	DTL	3	3	6.0	12					-55	71	1			C018	CB36	
	40	CG363A	1A	2.0M	PCB	0.0	-6.0	DTL	3	3	6.0	12					-55	71	1			C018	CB36	
	41	IP1H	1B	5.0M	MOH	0.0	5.0			12	0.0	5.0					1.0mΔ	0	100	1			C019	CB7
	42	IP1M	1B	5.0M	MOH	0.0	5.0			12	0.0	5.0					1.0mΔ	0	100	1			C019	CB7
	43	IP1L	1B	5.0M	PCB	0.0	5.0	DTL	3†	17	0	5.5		55n	55n	200m	0	55	1			C015	CB7	
	44	IP1S	1B	5.0M	PCB	0.0	5.0	DTL	3†	17	0	5.5		55n	55n	200m	-40	85	1			C015	CB7	
	45	GMV1-2	1B	200k	PCB	-10	0.0	RCT		20	12	6.0	400m	1.0u	250n	840m	0	55	1			C015	CB15	
	46	GMV1-1	1B	1.0M	PCB	-10	0.0	RCT		15	12	6.0	200n	500n	200n	840m	0	55	1			C015	CB15	
	47	MV601	1BCC	100k	PCB	0.0	-6.0	RCT	1	6	12	12		1.0u	2.0u	250m	1.5uΔ	-45	65	1			C031	CB1
	48	MV701	1BCC	500k	PCB	0.0	-6.0	RCT	1	6	12	12		350n	350n	450m	1.5uΔ	-45	65	1			C031	CB1
	49	MV801	1BCC	2.0M	PCB	0.0	-6.0	RCT	1	5	12	12		90n	110n	600m	1.5uΔ	-45	65	1			C031	CB1
	50	MV901	1BCC	5.0M	PCB	0.0	-6.0	RCT	1	4	12	12		26n	30n	1.2u	1.5uΔ	-45	65	1			C031	CB1
	51	MC50	1F	1.0M	PCB	0.0	-6.2	DTL	12	14	18	18	50n	100n	100n	2.6	2.5 *	0	55	1			C012	CB25
	52	XR2250CN#2	1U		MON	12.5	2.5	TTL	3	3	0.0	15			750m		0	75	1			C0124	M200u	
	53	XR2250CP#2	1U		MON	12.5	2.5	TTL	3	3	0.0	15			625m		0	75	1			C0124	M200u	
	54	XR2250M#2	1U		MON	12.5	2.5	TTL	3	3	0.0	15			750m		-55	125	1			C0124	M200u	
	55	XR2250N#2	1U		MON	12.5	2.5	TTL	3	3	0.0	15			750m		0	75	1			C0124	M200u	
	56	XR2250P#2	1U		MON	12.5	2.5	TTL	3	3	0.0	15			625m		0	75	1			C0124	M200u	
	57	CC11	2	100k	PCB	1.1	0.0		1	48	12	6.0			750m		-10	55	1			C028	CB33	
	58	EM5011	2	125k	3DM	0.0	-6.0	DTL			5						1.0mΔ	0	70	1			C029	CB37c
	59	MMV1Δ	2	4.0	PCB	2.0%	.95*	RCT	2	25	12	6.0		600n	1.4u	300m		-55	71	1			C025b	CB16
	60	G323	2	100k	PCB	0.0	-6.0	RCT		4	12	6.0		100n	300n	665m		-55	71	1			C025b	CB16
	61	G224	2	1.0M	PCB	0.0	-6.0	RCT	10	10	12	6.0		200n	200n	582m	1.5	0	50	1			C023	
	62	MV2M	2	1.0M	3DM	0.0	-6.0	RCT	1	55	15	6.0		200n	200n	1.1	1.5	0	50	2			C022	CB14
	63	MV2Z	2	1.0M	PCB	0.0	-6.0	RCT	1	55	15	6.0		400n	400n	132m	1.5	-45	65	2			C024	CB16
	64	CT104-2	2	325k	PCB	-3.0	-1.1	RCT	2	2	12	0.0		400n	300n	66m	1.5	-45	65	1			C025	M17
	65	T104	2	325k	3DM	-3.0	-1.1	RCT	2	2	12	0.0		400n	300n	66m	1.5	-45	65	1			C025	M17
	66	GA323	2	100k	PCB	-6.0	0.0	RCT		4	12	6.0		600n	1.4u	300m		-55	71	1			C025b	CB16
	67	GA224	2	100k	PCB	-6.0	0.0	RCT	10	10	12	6.0		100n	300n	665m		0	50	2			C026	CB19
	68	2AMM	2	100k	PCB	-10	0.0	RCT		6	12	12			100n	650m		-55	125	1			C025b	CB16
	69	UC504	2A	1.0M	PCB	0.0	6.5	RCT		3	12	12						55	125	1			C025b	CB16
	70	DC01MCM1	3	100k	PCM	0.0	-6.0		4	12	12	1.5u	3.5u	5.0u		1.0	-55	55	1					
	71	DC1MCM1	3	100k	PCM	0.0	-6.0		6	18	18	1.0u	1.5u	3.0u		1.2	-55	55	1					

12. CLOCKS/MULTIVIBRATORS

IN ORDER OF: (1)TYPE OF M-V (2)LOGIC TYPE (3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

LINE No.	6	TYPE No.	1	5	MAX OPERATING FREQ. (Hz)	LOGIC			FAN		POWER SUPPLY SPAN		MIN. DELAY (s)	MAX.		MAX. TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS		
						PRO-CESS	LEVEL		TYPE	IN	OUT MAX.	NEG. (V)		POS. (V)	RISE TIME tr (s)			FALL TIME tf (s)	LOW °C		HI °C	LOGIC DWG. No	OUTLINE DWG. No Δ=MO
							3	'1'															
1		DBMV1192XB	3		10M		6.0	1.0†	DTL	10	10	6.0	12	90n	18n	350m	-20	75	1	C0312	MP52a		
2		DBMV1192XC	3		10M		6.0	1.0†	DTL	10	10	6.0	12	90n	18n	350m	-40	100	1	C0312	M52		
3		DBMV1192XC	3		10M		6.0	1.0†	DTL	10	10	6.0	12	90n	18n	350m	-40	100	1	C0312	MP52a		
4		DBMV1192XD	3		10M		6.0	1.0†	DTL	10	10	6.0	12	90n	18n	350m	-55	125	1	C0312	M52		
5		DBMV1192XD	3		10M		6.0	1.0†	DTL	10	10	6.0	12	90n	18n	350m	-55	125	1	C0312	MP52a		
6		DCMV1192XA	3		10M		6.0	1.0†	DTL	10	10	6.0	12	90n	18n	350m	0	50	1	C0312	CB29		
7		DCMV1192XB	3		10M		6.0	1.0†	DTL	10	10	6.0	12	90n	18n	350m	-20	75	1	C0312	CB29		
8		DCMV1192XC	3		10M		6.0	1.0†	DTL	10	10	6.0	12	90n	18n	350m	-40	100	1	C0312	CB29		
9		DCMV1192XD	3		10M		6.0	1.0†	DTL	10	10	6.0	12	90n	18n	350m	-55	125	1	C0312	CB29		
10		DCMV1192YA	3		10M		6.0	1.0†	DTL	10	10	6.0	12	90n	18n	350m	0	50	1	C0312	CB29		
11		DCMV1192YB	3		10M		6.0	1.0†	DTL	10	10	6.0	12	90n	18n	350m	-20	75	1	C0312	CB29		
12		DCMV1192YC	3		10M		6.0	1.0†	DTL	10	10	6.0	12	90n	18n	350m	-40	100	1	C0312	CB29		
13		DCMV1192YD	3		10M		6.0	1.0†	DTL	10	10	6.0	12	90n	18n	350m	-55	125	1	C0312	CB29		
14		CG11-1	3		200k	3DM	9.0	0.0	DTL	1	8	12	12	100n	200n	500n	-55	125	1	C037	M15		
15		MC3	3		300k	PCB	0.0	8.0	RCT	5	12	6.0		500n	1.0u	450m	-20	55	1		CB10		
16		SMC1	3		1.0M	PCB	0.0	8.0	RCT	7	12	12		150n	250n	400m	-40	75	3	C035	CB10		
17		SMC3	3		1.0M	PCB	0.0	8.0	RCT	7	12	12		150n	250n	425m	-40	75	1		CB10		
18		MC3A	3		2.0M	PCB	0.0	8.0	RCT	5	12	6.0		100n	250n	450m	-20	55	1		CB10		
19		MV210	3		250k	3DM	0.0	-6.0	RCT	4	4	12	0	400n	2.5u	180m	-54	71	1	C032	M2		
20		MV310	3		500k	3DM	0.0	-6.0	RCT	4	4	12	0	150n	1.3u	200m	-25	125	1	C032a	M2		
21		MV410	3		5.0M	3DM	0.0	-6.0	RCT	4	4	12	0	40n	150n	200m	-25	60	1	C032	M2		
22		MC1	3		300k	PCB	0.0	-10	RCT	10	12	6.0		500n	1.0u	425m	-20	55	3	C035	CB10		
23		MC1A	3		2.0M	PCB	0.0	-10	RCT	7	12	6.0		100n	250n	425m	-20	55	3	C035	CB10		
24		4401	3		500k	PCB	2.5	0.0	RCT	8	15	0.0		100n	250n	675m	-20	55	1	C0319	CB10		
25		8401	3		1.0M	PCB	2.5	0.0	RCT	8	15	0.0		100n	250n	675m	-20	55	1	C0317	CB10		
26		8401	3		30M	PCB	-3.0	0.0	RCT	8	15	0.0		100n	250n	675m	-20	55	1	C0317	CB10		
27		T314	3		1.0M	3DM	-3.0	-11	RCT	12	12	0		300n	200n	264	-54	71	1		M17		
28		J001	3		1.0M	3DM	11	0.0	RCT	12	12	0		300n	30n	50m	-55	125	1		M19b		
29		5K20	3		500k	3DM	12	2.0	RCT	12	12	0		300n	30n	240m	-55	125	1		M82		
30		PD74121	3		500k	MON	2.0	.80*	TTL	2	10	0.0	7.0	20n	100n	33m†	0	75	1		TO116		
31		556CJ#2	3		100k	MON	12.5	2.5†	TTL	5	5	0.0	15	100n†	100n†	530m	0	70	2	C0328	M2		
32		556CL#2	3		100k	MON	12.5	2.5†	TTL	5	5	0.0	15	100n†	100n†	530m	0	70	2	C0328	M2		
33		DC1CCM1	3		100k	PCM	0.0	-6.0		1	6	18	18	1.0u	1.5u	3.0u	-55	55	1				
34		DC2CCM1	3,2F		2.0M	PCM	0.0	-6.0		1	6	18	18	50n	150n	250n	-55	55	1				
35		DC2SCM1	3,2F		2.0M	PCM	6.0	0.0		1	6	18	18	50n	150n	250n	-55	100	1				
36		MC31	3A		2.0M	PCB	3.0	0.0		8	30	0	4.0	210n	100n	112m	-40	70	1				
37		MC32	3A		2.0M	PCB	3.0	0.0	DTL	4	30	0	4.0	210n	100n	244m	-40	70	1		CB10a		
38		450A	3B		300k	PCB	0.0	-6.8	DTL	3	2	12	12	200n	500n	1.6	0	55	1		CB24		
39		CLO2	3BF		5.0M	PCB	1.9	1.1*	DTL	3	8	0	5.0	100n	100n		1.0 Δ	0	70	1	C0322		
40		MV335	3CG		5.0M	MOH	6.3*	1.1*	DTL	4	1	0	6.3	45n		870m	1.3	0	55	1	C036	CB13	
41		MV1514B	3G		1.0M	TFH				1	0	12	0				1.5	-55	125	1	C0316	ZB54	
42		B901	4		8.0k	PCB				1	12	0				96m	-15	45	1		CB35		
43		B906	4		8.0k	PCB				1	12	0				430m	-20	60	1		CB35		
44		B902	4		30k	PCB				1	12	0				96m	-15	45	1		CB35a		
45		SQX01	4		100k	MON				0	0	3.0		20n	20n		0	70	1		CB35a		
46		B903	4		400k	PCB				1	12	0				96m	-15	45	1		CB35a		
47		B907	4		400k	PCB				1	12	0				430m	-20	60	1		CB35a		
48		B904	4		2.0M	PCB				1	12	0				96m	-15	45	1		CB35		
49		B908	4		2.0M	PCB				1	12	0				430m	-15	45	1		CB35		
50		DC1MOS1	4		100k	PCM	0.0	-6.0		6	18	18		1.0u	3.0u	430m	-20	60	1				
51		DC2MOS1	4		2.0M	PCM	0.0	-6.0		6	18	18		150m	250n		-55	55	1				
52 #		SAJ250AA	4		32kΔ	MON	.90	3.0		0	0	3.0					-10	60	1	C0435	TO99		
53 #		SAJ250AB	4		32kΔ	MON	.90	3.0		0	0	3.0					-10	60	1	C0435	M226a		
54 #		SAJ250BA	4		32kΔ	MON	.90	3.0		0	0	3.0					-10	60	1	C0435	M226a		
55		CO238	4		30M	PCM	2.4	.40*		0	0	5.0					0	70	1		M288		
56		CO1	4		10M	PCM	3.0	0.0		0	0	5.0					0	50	1				
57		DC50MSOS1	4		50M	PCM	3.0	0.0		4	12	12		7.0n	10n		1.0	-10	100	1			
58		6292	4		3.0M	TFH	5.0	-5.0		0	0	15		150n	250n		-55	100	1				
59		DC2MSOS1	4		2.0M	PCM	6.0	0.0		6	18	18		150n	250n		-55	100	1				
60		PG113	4		300k		10	†		0	0	15		300n	500n		-55	85	1		M202		
61		D4411	4		3.0M	PCB	13	1.5		1	9	1.0	18	20n	20n		5.0	0	50	1			
62		KG100M	4		100k	PCB	-10	0.0				12	12			375m	0	50	1	C0411	CB19		
63		KG100H	4		1.0M	PCB	-10	0.0				12	12			425m	0	50	1	C0411	CB19		
64		LQX0-4M	4		250k	MOS			CMS			0.0	5.0				-55	125	1		TO5		
65		LQX0-4I	4		250k	MOS			CMS			0.0	5.0				-40	85	1		TO5		
66		MC340	4		10M	PCB			DTL	10	12	6.0		30n			0	55	1	C0431			
67		MC50X	4		1.0M	PCB	0.0	-6.2	DTL	14	14	18	18	100n	100n	2.9	2.5 *	0	55	1		CB25	
68		450X1	4		100k	PCB	0.0	-6.8	DTL	9	6	12	12			1.3	0	55	1		CB24		
69		450X2	4		200k	PCB	0.0	-6.8	DTL	9	6	12	12			1.3	0	55	1		CB24		
70		450X3	4		300k	PCB	0.0	-6.8	DTL	9	6	12	12			1.9	0	55	1		CB24		
71		450X	4		300k	PCB	0.0	-6.8	DTL	9	6	12	12			1.3	0	55	1		CB24		
72		450XH	4		300k	PCB	0.0	-6.8	DTL	9	6	12	12			1.9	0	55	1		CB24		
73		213A	4		100k	PCB	2.0	.45*	DTL	1	25	12	12			500m	1.4	0	70	1	C0424	CB50	
74		213	4		1.0M	PCB	2.0	.45*	DTL	1	25	12	12			500m	1.4	0	70	1	C0424	CB50	
75		OB1104	4		5.0M	PCB	2.2	.70*	DTL	0	0	5.0		50n			0	75	1		CB7		
76		IX0-0234	4		5.0M	PCB	2.5	.40*	DTL	0	8	0	5.0			100m	500m	0	75	1		CB51	
77		IX0-0271	4		5.0M	PCB	2.5	.40*	DTL	0	25	0	5.0			150m	500m	0	75	1		CB51	
78		MCG1	4</																				

12. CLOCKS/MULTIVIBRATORS

IN ORDER OF: (1)TYPE OF M-V (2)LOGIC TYPE
(3)LOG '1' (4)LOG '0' (5)MAX.FREQ.(6)TYPE No

DIGITAL

LINE No.	TYPE No.	TYPE OF M-V	MAX OPERATING FREQ. (Hz)	PRO-CESSES	LOGIC			FAN IN	FAN OUT MAX.	POWER SUPPLY SPAN (V)	MIN. DELAY (s)	MAX.		TOTAL PKG. DISS. (W)	MAX. NOISE REJECT (V)	TEMP.		CKT PER MOD	DRAWINGS		
					LEVEL	TYPE						RISE TIME tr (s)	FALL TIME tf (s)			LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=NO	
						'1'	'0'														2
1	DBC01171YBN	4	10M		6.0	1.0†	DTL	40	6.0	12		100n	40n		350m	-20	75	1	C0414	MP52a	
2	DBC01171YCN	4	10M		6.0	1.0†	DTL	40	6.0	12		100n	40n		350m	-40	100	1	C0414	MP52a	
3	DBC01171YDN	4	10M		6.0	1.0†	DTL	40	6.0	12		100n	40n		350m	-55	125	1	C0414	MP52a	
4	DBC01171ZAN	4	10M		6.0	1.0†	DTL	40	6.0	12		100n	40n		350m	0	50	1	C0414	MP52a	
5	DBC01171ZBN	4	10M		6.0	1.0†	DTL	40	6.0	12		100n	40n		350m	-20	75	1	C0414	MP52a	
6	DBC01171ZCN	4	10M		6.0	1.0†	DTL	40	6.0	12		100n	40n		350m	-40	100	1	C0414	MP52a	
7	DBC01171ZDN	4	10M		6.0	1.0†	DTL	40	6.0	12		100n	40n		350m	-55	125	1	C0414	MP52a	
8	DCC01171XA	4	10M		6.0	1.0†	DTL	40	6.0	12		100n	40n		350m	0	50	1	C0414	CB29	
9	DCC01171XB	4	10M		6.0	1.0†	DTL	40	6.0	12		100n	40n		350m	-20	75	1	C0414	CB29	
10	DCC01171XC	4	10M		6.0	1.0†	DTL	40	6.0	12		100n	40n		350m	-40	100	1	C0414	CB29	
11	DCC01171XD	4	10M		6.0	1.0†	DTL	40	6.0	12		100n	40n		350m	-55	125	1	C0414	CB29	
12	MS50X	4	1.0M	PCB	6.2	0.0	DTL	13	14	18	350nΔ	100n		2.9	2.5 *	-30	100	1		CB25	
13	CO233M	4	150M	PCB			ECT	10	28	0.0						-55	85			M253	
14	DQX01	4	200k	TFH	6.0	0.0	MOS	10	0.0	6.0		5.0u	5.0u	2.0m%		-55	125	1		CN44b	
15	DQX01F	4	200k	TFH	6.0	0.0	MOS	10	0.0	6.0		5.0u	5.0u	2.0m%		-55	125	1		FP116	
16	LQX01	4	200k	TFH	6.0	0.0	MOS	10	0.0	6.0		5.0u	5.0u	2.0m%		-55	125	1		CN44b	
17	LQX01F	4	200k	TFH	6.0	0.0	MOS	10	0.0	6.0		5.0u	5.0u	2.0m%		-55	125	1		FP116	
18	DQX02	4	200k	TFH	12	0.0	MOS	10	0.0	12		5.0u	5.0u	5.0m%		-55	125	1		CN44b	
19	DQX02F	4	200k	TFH	12	0.0	MOS	10	0.0	12		5.0u	5.0u	5.0m%		-55	125	1		FP116	
20	LQX02	4	200k	TFH	12	0.0	MOS	10	0.0	12		5.0u	5.0u	5.0m%		-55	125	1		CN44b	
21	LQX02F	4	200k	TFH	12	0.0	MOS	10	0.0	12		5.0u	5.0u	5.0m%		-55	125	1		FP116	
22	CO409	4	10M	3DM	0.0	-6.0	RCT	4	12	12		40n	30n	200m		-25	60	1	C043	M2	
23	G510A	4	10M	PCB	0.0	-6.0	RCT	5	12	6.0		20n	50n	1.0		-20	71	1	C0433	CB16	
24	4407	4	500k	PCB	2.5	0.0	RCT	8	15	10				1.3		-20	55	1		C0415	
25	6403	4	10M	PCB	2.5	0.0	RCT	8	15	0.0				900m		-20	55	1		C0415	
26	GA510A	4	10M	PCB	-6.0	0.0	RCT	5	12	6.0		20n	50n	1.0		-20	71	1		C049b	
27	CGG2-2	4	200k	PCB	-10	0.0	RCT	15	12	6.0		1.0u	500n	540m		0	55	1		C0420	
28	CGG2-1	4	10M	PCB	-10	0.0	RCT	15	12	6.0		250n	200n	540m		0	55	1		CB15	
29	CGG2-5	4	5.0M	PCB	-10	0.0	RCT	15	12	6.0		50n	50n	540m		0	55	1		CB15	
30	IX02471	4	5.0M	PCB	2.0%	1.1*	TTL	8	0	5.0		3.0n	4.0n	125m	1.0	0	75	1		CBZ	
31	D4301	4	5.0M	PCB	2.5%	.50*	TTL	10	0	5.0		3.0n	4.0n		1.0	0	75	1		CBZ	
32	Q51	4	5.0M	PCB	2.6%	.50*	TTL	2	0	5.0					0	60	1		C0432		
33	S113353	4	30M	PCB	2.9%	.40*	TTL	0	8	0	5.0			125m	500	0	75	1		CB51	
34	CO231L	4	30M	PCB	3.0%	.40*	TTL	10	4.5	5.5						-55	85			M250a	
35	CO237	4	30M	PCB	3.0%	.40*	TTL	10	4.5	5.5						-55	85			M252	
36	DM340	4	10M	MOH	6.3	0.0	TTL	4	4	0.0	6.0			600m		0	55	4		CB13	
37	DM341	4	10M	MOH	6.3	0.0	TTL	4	4	0.0	6.0			600m		0	55	4		CB13	
38	XC11	4.2	200k	PCB	11	0.0		48	12	6.0				580m		-10	55	1		C0419	
39	XC21	4.2	2.0M	PCB	11	0.0		48	12	6.0				380m		-10	55	1		C0419	
40	XC31	4.2	8.0M	PCB	11	0.0		24	12	6.0				860m		-10	55	1		C0419	
41	SN74S124W	4.6	85M%	MON	2.0%	.80*	TTL	10	10	0.0	5.0	70n		750m%	1.0 Δ	0	70	1		C0436	
42	CG333B	4A	2.0M	PCB	0.0	-6.0	DTL	3	6.0	12						-55	71	1		C0421	
43	CG363B	4A	2.0M	PCB	0.0	-6.0	DTL	3	12	6.0						-55	71	1		C0421	
44	MC335	4A	5.0M	MOH	6.3*	1.1*	DTL	4	2	0	6.3			680m	1.3	0	55	1		C047	
45	CL12	4A	10M	PCB	8.0	0.0	DTL	1	30	25	25			5.6		-55	100	1		C0417	
46	SMCX	4A	900k	PCB	0.0	8.0	RCT	7	12	12		150n	250n	450m		-40	75	1		CB10	
47	SMC1X	4A	1.5M	PCB	0.0	8.0	RCT	7	12	12		150n	250n	475m		-40	75	1		C045	
48	MC1X	4A	300k	PCB	0.0	-10	RCT	10	12	6.0		500n	1.0u	500m		-20	55	1		C045	
49	MCX	4A	900k	PCB	0.0	-10	RCT	10	12	6.0		100n	250n	475m		-20	55	1		CB10	
50	MC1AX	4A	2.0M	PCB	0.0	-10	RCT	7	12	6.0		100n	250n	500m		-20	55	1		C045	
51	MC2X	4A	5.0M	PCB	0.0	-10	RCT	7	12	6.0		50n	150n	500m		-20	55	1		C045	
52	XC601	4AB	100k	PCB	0.0	-6.0	RCT	6	12	12	0.0	1.0u	2.0u	700m	1.5 Δ	-45	65	1		C041	
53	XC701	4AB	500k	PCB	0.0	-6.0	RCT	6	12	12	0.0	350n	350n	900m	1.5 Δ	-45	65	1		C041	
54	XC801	4AB	2.0M	PCB	0.0	-6.0	RCT	5	12	12	0.0	90n	110n	1.7	1.5 Δ	-45	65	1		C041	
55	XC901	4AB	10M	PCB	0.0	-6.0	RCT	4	12	12	0.0	26n	30n	2.3	1.5 Δ	-45	65	1		C041	
56	DC1CCG1	4B	100k	PCM	0.0	-6.0		6	18	18		1.0u	1.5u	3.0u	1.2	-55	55	4			
57	DC2CCG1	4B	2.0M	PCM	0.0	-6.0		6	18	18		50n	150n	250n	1.2	-55	55	4			
58	DC50CSG1	4B	50M	PCM	3.0	0.0		4	12	12		9.0n	7.0n	10n	1.0	-10	100	4			
59	DC2CSCG1	4B	2.0M	PCM	6.0	0.0		6	18	18		50n	150n	250n	1.2	-55	100	4			
60	D4022	4B	5.0M	PCB	2.0%	.95*	DTL	19Δ	100	0	5.0			600m	1.0 Δ	0	75	1		CB56	
61	CL01	4B	5.0M	PCB	2.5%	.45*	DTL	5Δ	6	25	25			30n	25n		0	70	1		C0428
62	CX13	4C	12	PCB	8.0	0.0	DTL	6	25	25				1.8		-55	100	1		C0418	
63	CX14	4C	12	PCB	8.0	0.0	DTL	6	25	25				6.8		-55	100	1		C0418	
64	XCG200	4E	1.0M%	PCB	10	40	RCT	9	6.0	12				80n	2.5	-55	100	1		C048	
65	PM10551	5	700	3DM					28	0											
66	PM10541	5	4.0k	3DM					28	0											
67	PE9951-59	5		MON	3.2	.45	DTL	3Δ	10	0.0	5.0	40n		37m	1.0	0	75	1		J0545	
68	CX18	5E	10k	PCB	8.0	0.0		14	25	25				950m		-20	70	1		M131	
69	004B	6	100	PCB	2.0%	.45%	DTL	0	50	0	5.0			350m		0	70	1		C063	
70	004	6	1.0M	PCB	2.0%	.45%	DTL	0	50	0	5.0			350m		0	70	1		C063	
71	IMV0225	6	1.0M	PCB	2.5%	.40*	DTL	0	4	0	5.0			40m	500m	0	75	1		C068	
72	085	6	100	PCB	5.0	.45	DTL	25	25	0	5.0					0	70	1		B038f	
73	085A	6	1.0M	PCB	5.0	.45	DTL	25	25	0	5.0	40n	25n			0	70	1		B038f	
74	085B	6	5.0M	PCB	5.0	.45	DTL	25	25	0	5.0	40n	25n			0	70	1		B038f	
75 #	TAA775	6		MON	12	1.0Δ	TTL	3		0.0	12					-25	85	1		M198	
76	CT16	6.4	2.0M	PCB	4.0	0.0		171	0	8.0				2.1		5	71	1		C0611	
77	CJ16	6.4	2.0M	PCB	5.0	0.0	DTL	394	8	8.0				2.3		0	70	1		C0611	
78	CT10	6.4B	5.0M	PCB	5.0	0.0	DTL	190	8	8.0				1.7		0	70	1		C064	
79	CC10	6A	300k	PCB	8.0	0.0	DTL	1	25	25	25			3.0		-					

13. FREQUENCY DIVIDERS

IN ORDER OF: (1)TYPE CODE (2)LOGIC TYPE
(3)MAX DIVISOR (4)MAX FREQUENCY (5)TYPE No.

LINE No.	TYPE No.	1 TYPE CODE	3 MAXIMUM DIVISOR	4 MAX OPERATING FREQ. (Hz)	No. OF STAGES	PRO-CESS	LOGIC LEVEL		TYPE	MINIMUM SINK CURRENT		POWER SUPPLY SPAN		MAX. TOTAL PKG. DISS. (W)	TEMP.		DRAWINGS	
							'1'	'0'		(A)	@ Vo (V)	NEG (V)	POS (V)		LOW	HI	LOGIC DWG. No	OUTLINE DWG. No Δ=MO
							(V)	(V)							°C	°C		
1	CD4059AH	1	15999	3.0M	5	MOS	9.95%	.05*†	CMS	4.0m†	.50	0.0	10	200m	-55	125	H011	CH77
2	CD4059AK	1	15999	3.0M	5	MOS	9.95%	.05*†	CMS	4.0m†	.50	0.0	10	200m	-55	125	H011	FP109
3	4527BDC	2	10		4	MOS	11%	4.0*	CMS	3.0m†	1.5	0.0	15		-40	85	H028	M561
4	4527BDM	2	10		4	MOS	11%	4.0*	CMS	3.4m†	1.5	0.0	15		-55	125	H028	M561
5	4527BFC	2	10		4	MOS	11%	4.0*	CMS	3.0m†	1.5	0.0	15		-40	85	H028	FP103
6	4527BFM	2	10		4	MOS	11%	4.0*	CMS	3.4m†	1.5	0.0	15		-55	125	H028	FP103
7	4527BPC	2	10		4	MOS	11%	4.0*	CMS	3.0m†	1.5	0.0	15		-40	85	H028	M562
8	CD4527BK	2	10	4.5M%	4	MOS	15	0.0	CMS	6.8m†	1.5	0.0	15	200m	-55	125	H027	Δ004AG
9	SCL4527BD	2	10	6.0M%	4	MOS	9.95%	.05*†	CMS	1.3m†	.50	0.0	10	100u%	-55	125	H023	Δ001AE
10	SCL4527BF	2	10	6.0M%	4	MOS	9.95%	.05*†	CMS	1.3m†	.50	0.0	10	100u%	-55	125	H023	Δ004AH
11	CD4089BK	2	16	4.5M%	4	MOS	9.95%	.05*†	CMS	2.6m†	.50	0.0	10	1.6u%	-55	125	H024	Δ004AG
12	54167DM	2	10	25M	2	MON	2.0%	.80*	TTL			5.0	495mΔ	-55	125	H0211	M563	
13	74167DC	2	10	25M	2	MON	2.0%	.80*	TTL			5.0		0	70	H0211	M562	
14#	SAJ110A	3	128	50k	7	MON	7.0%	.10*†		5.0m□		0.0	9.0	-10	60	H0323	M344d	
15#	SAJ110B	3	128	50k	7	MON	7.0%	.10*†		5.0m□		0.0	9.0	-10	60	H0323	M580	
16	4521BDC	3	24		24	MOS	11%	4.0*	CMS	3.0m†	1.5	0.0	15		-40	85	H0347	M561
17	4521BDM	3	24		24	MOS	11%	4.0*	CMS	3.4m†	1.5	0.0	15		-55	125	H0347	M561
18	4521BFC	3	24		24	MOS	11%	4.0*	CMS	3.0m†	1.5	0.0	15		-40	85	H0347	FP103
19	4521BFM	3	24		24	MOS	11%	4.0*	CMS	3.4m†	1.5	0.0	15		-55	125	H0347	FP103
20	4521BPC	3	24		24	MOS	11%	4.0*	CMS	3.0m†	1.5	0.0	15		-40	85	H0347	M562
21	UCN4500C	3	512	1.0k		MOS			CMS			0.0	1.5	-25	80	H0337	FP26j	
22	UCN4500L	3	512	1.0k		MOS			CMS			0.0	1.5	-25	80	H0337	FP26j	
23	UCN4104A	3	49152	3.1M∅		MOS			CMS	3.0m†	.75	0.0	2.5	0	70	H0327	TO116	
24	UCN4104M	3	49152	3.1M∅		MOS			CMS	3.0m†	.75	0.0	2.5	0	70	H0328	M266e	
25	UCN4113A	3	65536	2.0M∅	16	MOS			CMS	300u∅	1.3	0.0	1.5	0	70	H0333	TO116	
26	UCN4113M	3	65536	2.0M∅	16	MOS			CMS	300u∅	1.3	0.0	1.5	0	70	H0334	M266e	
27	UCN4111A	3	131072	3.9M∅	17	MOS			CMS	500u∅	2.6	0.0	2.2	0	70	H0329	TO116	
28	UCN4111M	3	131072	3.9M∅	17	MOS			CMS	500u∅	2.6	0.0	2.2	0	70	H0330	M266e	
29	UCN4114A	3	2097152	2.0M		MOS			CMS	1.7m∅	.60	0.0	1.1	-30	80	H0335	TO116	
30	UCN4114M	3	2097152	2.0M		MOS			CMS	1.7m∅	.60	0.0	1.1	-30	80	H0336	M266e	
31	SCL4445BD	3	2097152	9.0M%	21	MOS	9.95%	.05*†	CMS	1.3m†	.50	0.0	10	100u%	-55	125	H0345	Δ001AE
32	SCL4445BF	3	2097152	9.0M%	21	MOS	9.95%	.05*†	CMS	1.3m†	.50	0.0	10	100u%	-55	125	H0345	Δ004AH
33#	SAA1004	3	128	50k	7	MON	7.7	1.3†	IIL	5.0m□		0.0	9.0	-10	60	H0323	TO116	
34#	SAA1004N	3	128	50k	7	MON	8.1	.30†	IIL	5.0m□		0.0	9.0	-10	60	H0323	M344c	
35#	SAA1005	3	128	50k	7	MON	11.1	.30†	IIL	5.0m□		0.0	12	-10	60	H0324	M344c	
36#	SAA1005P	3	128	50k	7	MON	11.1	.30†	IIL	5.0m□		0.0	12	-10	60	H0324	M344c	
37	MC1180L	3	8	100k	6	MOS	-18%	.30*	PCH			27	0.0	0	70	H0321	TO116	
38#	MN115	3	525	100k	11	MON	-1.0*	-9.0%	PCH			12	0.0	-30	70	H0340	CN58b	
39#	MN115P	3	525	100k	11	MOS			PCH			12	0.0	-30	70	H0340	M266d	
40#	MN116	3	625	100k	11	MON	-1.0*	-9.0%	PCH			12	0.0	-30	70	H0341	CN58b	
41#	MN116P	3	625	100k	11	MOS			PCH			12	0.0	-30	70	H0341	M266d	
42	MC1302P	3	128	1.0M	7	MON	12%	.50*†	TTL	10m†		0.0	16	0	75	H0339	M157d	
43	S2470	3F	64	100k	6	MOS	-8.0%	-2.5*	PCH	300u	-8.0	27	0.0	0	70	H0343	M505	
44	S2193	3F	128	100k	7	MOS	-2.0%	-8.0*	PCH	100u	-11	28	0.0	0	70	H0342	M505	

DIGITAL

15. ADDERS

IN ORDER OF: (1)TYPE CODE (2)LOGIC TYPE
(3)BITS (4)MAX PROPAG DELAY (5)TYPE No.

DIGITAL

LINE No.	TYPE No.	TYPE CODE	BITS	O P O R E	M A X. PROPAG DELAY (s)	PRO-CESS	LOGIC LEVEL		SINK CURRENT (A)	POWER SUPPLY SPAN		MAX. TOTAL PKG. DISS. (W)	FEATURES	TEMP.		DRAWINGS			
							'1' 'V'	'0' (V)		NEG	POS			LOW	HI	LOGIC DWG. No	OUTLINE DWG. No Δ=MO		
																		TYPE	TYPE
1	MC303F	1	1	P	9.0n	MON	.75	-1.6†	ECT	1.0m∅	-75	5.2	0.0	60m†	Carry,NOR Outp	-55	125	A011	TO91
2	MC303G	1	1	P	9.0n	MON	.75	-1.6†	ECT	1.0m∅	-75	5.2	0.0	60m†	Carry,NOR Outp	-55	125	A011	CN9
3	MC353F	1	1	P	9.0n	MON	.75	-1.6†	ECT	1.0m∅	-75	5.2	0.0	60m†	Carry,NOR Outp	0	75	A011	TO91
4	MC353G	1	1	P	9.0n	MON	.75	-1.6†	ECT	1.0m∅	-75	5.2	0.0	60m†	Carry,NOR Outp	0	75	A011	CN9
5	9LS283DC	1	4	P	24n	MON	2.0*	.80*	TTL	8.0m	.50	.00	5.0	195m§	Binary W/Lace	0	75	A029a	M561
6	9LS283DM	1	4	P	24n	MON	2.0*	.80*	TTL	4.0m	.40	.00	5.0	195m§	Binary W/LAC	-55	125	A029a	M561
7	9LS283FC	1	4	P	24n	MON	2.0*	.80*	TTL	8.0m	.50	.00	5.0	195m§	Binary W/Lace	0	75	A029a	FP103
8	9LS283FM	1	4	P	24n	MON	2.0*	.80*	TTL	4.0m	.40	.00	5.0	195m§	Binary W/Lace	-55	125	A029a	FP103
9	9LS283PC	1	4	P	24n	MON	2.0*	.80*	TTL	8.0m	.50	.00	5.0	195m§	Binary W/Lace	0	75	A029a	M562
10	74LS83AFC	1	4	P	24n	MON	2.0*	.80*	TTL	8.0m	.50	.00	5.0	195m§	Binary W/LAC	0	75	A029	FP103
11	74LS283FC	1	4	P	24n	MON	2.0*	.80*	TTL	8.0m	.50	.00	5.0	195m§	Binary W/Lace	0	75	A029a	FP103
12	CD4032AK	2	3	S	250n	MOS	9.99%	.01*†	CMS	700u	.50	.00	10	100u%	Triple Adder	-55	125	A0227	Δ001AG
13	CD4038AK	2	3	S	250n	MOS	9.99%	.01*†	CMS	700u	.50	.00	10	100u%	Triple Adder	-55	125	A0228	Δ001AG
14	4560BDC	2	4	P		MOS	11%	4.0*	CMS	3.0m	1.5	0.0	15		NBCD	-40	85	A0213	M561
15	4560BDM	2	4	P		MOS	11%	4.0*	CMS	3.4m	1.5	0.0	15		NBCD	-55	125	A0213	M561
16	4560BFC	2	4	P		MOS	11%	4.0*	CMS	3.0m	1.5	0.0	15		NBCD	-40	85	A0213	FP103
17	4560BFM	2	4	P		MOS	11%	4.0*	CMS	3.4m	1.5	0.0	15		NBCD	-55	125	A0213	FP103
18	4560BPC	2	4	P		MOS	11%	4.0*	CMS	3.0m	1.5	0.0	15		NBCD	-40	85	A0213	M562
19	SCL4008BD	2	4	P		MOS	9.95%	.05*†	CMS	1.3m	.50	.00	10	100u%	LACO	-55	125	A021	Δ001AE
20	SCL4008BF	2	4	P		MOS	9.95%	.05*†	CMS	1.3m	.50	.00	10	100u%	LACO	-55	125	A021	Δ004AH
21	TP4008BN	2	4	P		MOS	7.0%	3.0*	CMS	1.1m	.50	.00	10	400u%	LACO	-40	85	A0226	M117x
22	CD4008BK	2	4	P	230n	MOS	14.9%	.05*†	CMS	3.4m	1.5	0.0	15	200m	LAC	-55	125	A021	Δ004AG
23	TF4008AJ	2	4	P	350n	MOS	7.1%	2.9*	CMS	900u	.50	.00	10	200m	LACO	-55	125	A021	M153d
24	TF4008AN	2	4	P	350n	MOS	7.1%	2.9*	CMS	900u	.50	.00	10	200m	LACO	-55	125	A0226	M117x
25	CD4008AK	2	4	P	500n	MOS	9.95%	.05*†	CMS	750u	.50	.00	10	100u%	LAC	-55	125	A021	Δ004AG
26	HD1-4008A2	2	4	P	500n	MOS	10	0.0†	CMS	250u	3.0	0.0	10	200m	LACO	-55	125	A021	M105az
27	HD9-4008A2	2	4	P	500n	MOS	10	0.0†	CMS	250u	3.0	0.0	10	200m	LACO	-55	125	A0226	TO86
28	TP4008AJ	2	4	P	500n	MOS	7.1%	2.9*	CMS	600u	.50	.00	10	200m	LACO	-40	85	A0226	M153d
29	TP4008AN	2	4	P	500n	MOS	7.1%	2.9*	CMS	600u	.50	.00	10	200m	LACO	-40	85	A0226	M117x
30	HD1-4008A9	2	4	P	650n	MOS	10	0.0†	CMS	200u	3.0	0.0	10	200m	LACO	-40	85	A0226	M105az
31	HD9-4008A9	2	4	P	650n	MOS	10	0.0†	CMS	200u	3.0	0.0	10	200m	LACO	-40	85	A0226	TO86
32	JANM38510/05401CEA	12	4	P	4.35u	MOS	10%	2.1*	CMS	50u	.50	.00	12.5	200m	LACO	-55	125	A0210	M323
33	JANM38510/05401CEC	12	4	P	4.35u	MOS	10%	2.1*	CMS	50u	.50	.00	12.5	200m	LACO	-55	125	A0210	M323
34	MC1019P	2	1	P	13n	MON	.85%	-1.5*†	ECT	2.5m∅	-.85	-5.2	0.0	145m†	Carry Output	0	75	A0216	TO116
35	MC1059P	2	1	P	13n	MON	.85%	-1.5*†	ECT	2.5m∅	-.85	-5.2	0.0	35m†	Dual Adder	0	75	A0217	M278
36	MC1219F	2	1	P	13n	MON	.85%	-1.5*†	ECT	2.5m∅	-.85	-5.2	0.0	145m†	Carry Output	-55	125	A0216	TO86
37	MC1219L	2	1	P	13n	MON	.88%	-1.5*†	ECT	2.5m∅	-.85	-5.2	0.0	145m†	Carry Output	-55	125	A0216	TO116
38	MC1259F	2	1	P	13n	MON	.85%	-1.5*†	ECT	2.5m∅	-.85	-5.2	0.0	35m†	Dual Adder	-55	125	A0217	FP85
39	MC1259L	2	1	P	13n	MON	.85%	-1.5*†	ECT	2.5m∅	-.85	-5.2	0.0	35m†	Dual Adder	-55	125	A0217	M191
40	N8268A	2	1	P	45n	MON	2.6%	.40*†	TTL	16m	.40	.00	5.0	185m§	Gated W/LACO	0	75	A0234	M318
41	S8268A	2	1	P	45n	MON	2.6%	.40*†	TTL	16m	.40	.00	5.0	185m§	Gated W/LACO	-55	125	A0234	M318
42	S8268F	2	1	P	45n	MON	2.6%	.40*†	TTL	16m	.40	.00	5.0	185m§	Gated w/LACO	-55	125	A0234	M257f
43	S8268W	2	1	P	45n	MON	2.6%	.40*†	TTL	16m	.40	.00	5.0	185m§	Gated w/LACO	-55	125	A0234a	FP39e
44	7480DC	2	1	P	47n§	MON	2.0*	.80*	TTL			.00	5.0	105m†	Gated W/LACO	0	75	A026	TO116
45	7480PC	2	1	P	47n§	MON	2.0*	.80*	TTL			.00	5.0	105m†	Gated W/LACO	0	75	A026	TO116
46#	7480PCΔ	2	1	P	80n	MON	2.0*	.80*	TTL			.00	5.0	175m	Gated w/LACO	0	75	A206	M665
47	9380DC	2	1	P	80n	MON	2.0*	.80*	TTL			.00	5.0	105m†	Gated W/LACO	0	70	A026	M561
48	9380DM	2	1	P	80n	MON	2.0*	.80*	TTL			.00	5.0	105m†	Gated W/LACO	-55	125	A026	M561
49	9380FC	2	1	P	80n	MON	2.0*	.80*	TTL			.00	5.0	105m†	Gated W/LACO	0	70	A026	FP103
50	9380FM	2	1	P	80n	MON	2.0*	.80*	TTL			.00	5.0	105m†	Gated W/LACO	-55	125	A026	FP103
51	N7480A	2	1	P	80n	MON	2.0*	.80*	TTL	16m	.40	.00	5.0	175m§	Gated W/LACO	-55	125	A0233	M318
52	54H183DM	2	2	P	12n§	MON	2.0*	.80*	TTL			.00	5.0	375mΔ	LACO	-55	125	A0243	M294q
53	74H183DC	2	2	P	12n§	MON	2.0*	.80*	TTL			.00	5.0	375mΔ	LACO	0	70	A0243	M294q
54	5482DM	2	2	P	38n§	MON	2.0*	.80*	TTL			.00	5.0	176m†	LACO	55	125	A027	M294q
55	7482DC	2	2	P	38n§	MON	2.0*	.80*	TTL			.00	5.0	176m†	LACO	0	75	A027	TO116
56	7482PC	2	2	P	38n§	MON	2.0*	.80*	TTL			.00	5.0	176m†	LACO	0	75	A027	TO116
57#	MIC5482J	2	2	P	40n	MON	2.0*	.80*	TTL	16m	.40	.00	5.0	175m†		-55	125	A027	TO116
58#	MIC7482J	2	2	P	40n	MON	2.0*	.80*	TTL	16m	.40	.00	5.0	175m†		0	75	A027	TO116
59#	MIC7482N	2	2	P	40n	MON	2.0*	.80*	TTL	16m	.40	.00	5.0	175m†		0	75	A027	M126x
60#	T152D2	2	2	P	40n	MON	1.7%	.90*	TTL	16m	.40	.00	5.0	150m†	Dual 1 Bit	-55	125	A025	M200c
61#	7482PCΔ	2	2	P	42n	MON	2.0*	.80*	TTL			.00	5.0	290m	LACO	0	70	A0236	M665
62	9382DC	2	2	P	42n	MON	2.0*	.80*	TTL			.00	5.0	176m†	Full W/LAC	0	70	A027	TO116
63	9382DM	2	2	P	42n	MON	2.0*	.80*	TTL			.00	5.0	176m†	Full W/LAC	-55	125	A027	TO116
64	9382FC	2	2	P	42n	MON	2.0*	.80*	TTL			.00	5.0	176m†	Full W/LAC	0	70	A027	TO86
65	9382FM	2	2	P	42n	MON	2.0*	.80*	TTL			.00	5.0	176m†	Full W/LAC	-55	125	A027	TO86
66	ITT5482J	2	2	P	42n	MON	2.0*	.80*	TTL	16m	.40	.00	5.0	175m†		-55	125	A027	M157
67	ITT7482J	2	2	P	42n	MON	2.0*	.80*	TTL	16m	.40	.00	5.0	175m†		0	70	A027	M157
68	9304FC	2	2	P	45n	MON	1.8%	.85*	TTL	9.8m	.45	.00	5.0	150m†	Dual 1 Bit	0	75	A025	FP103
69#	T152B1	2	2	P	45n	MON	1.8%	.85*	TTL	16m	.45	.00	5.0	150m†	Dual 1 Bit	0	75	A025	M267
70#	T152D1	2	2	P	45n	MON	1.8%	.85*	TTL	16m	.45	.00	5.0	150m†	Dual 1 Bit	0	75	A025	M561
71	9LS83DC	2	4	P	24n	MON	2.0*	.80*	TTL	8.0m	.50	.00	5.0	195m§	Binary W/LAC	0	75	A029	M561
72	9LS83DM	2	4	P	24n	MON	2.0*	.70*	TTL	4.0m	.40	.00	5.0	195m§	Binary W/LAC	-55	125	A029	M561
73	9LS83FC	2	4	P	24n	MON	2.0*	.80*	TTL	8.0m	.50	.00	5.0	195m§	Binary W/LAC	0	75	A029	FP103
74	9LS83FM	2	4	P	24n	MON	2.0*	.70*	TTL	4.0m	.40	.00	5.0	195m§	Binary W/LAC	-55	125	A029	FP103
75	9LS83PC	2	4	P	24n	MON	2.0*	.80*	TTL	8.0m	.50	.00	5.0	195m§	Binary W/LAC	0	75	A029	M562
76	74283FC	2	4	P	24n	MON	2.0*	.80*	TTL			.00	5.0	550mΔ	Fast Carry	0	70	A0244	FP93c
77	N74LS83B	2	4	P	24n	MON	2.0*	.80*	TTL	8m	.50	.00	5.0	195m§		0	70	A0232	M317
78	N82S83B	2	4	P	40n	MON													

16. MULTIPLIERS

IN ORDER OF: (1)MODE (2)LOGIC TYPE
(3)LOW ARRAY No (4)MAX PROP DELAY (5)TYPE No

LINE No.	TYPE No.	MODE	BIT ARRAY		ARITHMETIC CAPABILITY	4 MAX. PROPAG. DELAY (s)	PRO-CESS	LOGIC LEVEL		TYPE	MINIMUM SINK CURRENT		POWER SUPPLY SPAN		MAX. TOTAL PKG. DISS. (W)	TEMP.		DRAWINGS	
			3 LOWxHIGH					'1'	'0'		(A)	@ Vo (V)	NEG (V)	POS (V)		LOW	HI	LOGIC DWG. No	OUTLINE DWG. No
			LO	HI				(V)	(V)							°C	°C		Δ = MO
1	25LS257J		1		BIN	7.0n		2.0%	0.7*	TTL		0.0	5.0	50m	T7		X029		
2	25LS257W		1		BIN	7.0n		2.0%	0.7*	TTL		0.0	5.0	50m	T7		X029		
3	25LS258J		1		BIN	7.0n		2.0%	0.7*	TTL		0.0	5.0	35m	T7		X026		
4	25LS258W		1		BIN	7.0n		2.0%	0.7*	TTL		0.0	5.0	35m	T7		X026		
5	25LS53W	P	1	4	BIN	9.0n		2.0%	0.7*	TTL	20u	2.4	0.0	5.0	35m	T7	X028		
6	25LS251J	P	1	8	BIN	9.0n		2.0%	0.7*	TTL	20u	2.7	0.0	5.0	35m	T7	X027		
7	25LS251W	P	1	8	BIN	9.0n		2.0%	0.7*	TTL	20u	2.7	0.0	5.0	35m	T7	X027		
8	25LS253J	P	1	4	BIN	9.0n		2.0%	0.7*	TTL	20u	2.4	0.0	5.0	35m	T7	X028		
9	93S43FC	P	2	4	BIN,2sC	20n%	MON	2.0%	80*	TTL	20m	.50	0.0	5.0	490mf	0	75	X001	FP66
10	9344DC	P	2	4	BIN	30n%	MON	2.0%	80*	TTL		0.0	5.0	550mf	0	75	X002	M559	
11	9344DM	P	2	4	BIN	30n%	MON	2.0%	80*	TTL		0.0	5.0	550mf	-55	125	X002	M559	
12	9344FC	P	2	4	BIN	30n%	MON	2.0%	80*	TTL		0.0	5.0	550mf	0	75	X002	FP66	
13	9344PC	P	2	4	BIN	30n%	MON	2.0%	80*	TTL		0.0	5.0	550mf	0	70	X002	M396b	
14	SN54S274J	P	4	4	BIN	95n	MON	2.0%	80*	TTL	12m	.50	0.0	5.0	775m\$	-55	125	X009	M12
15	Am25S557DC	P	8	8	2SC	45n\$	MON	2.0%	80*	TTL		0.0	5.0	5.0	0	70	X0039	M628	
16	Am25S557DM	P	8	8	2SC	45n\$	MON	2.0%	80*	TTL		0.0	5.0	5.0	55	125	X0039	M628	
17	Am25S558DC	P	8	8	2SC	45n\$	MON	2.0%	80*	TTL		0.0	5.0	5.0	0	70	X0039a	M628	
18	Am25S558DM	P	8	8	2SC	45n\$	MON	2.0%	80*	TTL		0.0	5.0	5.0	55	125	X0039a	M628	
19	25LS14J#1	SP	1	8	2SC	25n	MON	2.0%	80*	TTL	12m	.45	0.0	5.0	775m	0	70	X0013	M200h
20	25LS14J#2	SP	1	8	2SC	25n	MON	2.0%	80*	TTL	12m	.45	0.0	5.0	775m	-55	125	X0013	M200h
21	25LS14W#1	SP	1	8	2SC	25n	MON	2.0%	80*	TTL	12m	.45	0.0	5.0	775m	0	70	X0013	FP101b
22	25LS14W#2	SP	1	8	2SC	25n	MON	2.0%	80*	TTL	12m	.45	0.0	5.0	775m	-55	125	X0013	FP101b
23	74LS384DC	SP	1	8	2SC	25n	MON	2.0%	80*	TTL		0.0	5.0	775mΔ	0	70	X0025	M561	
24	74LS384PC	SP	1	8	2SC	25n	MON	2.0%	80*	TTL		0.0	5.0	775mΔ	0	70	X0025	M562	

DIGITAL

17. MAGNITUDE COMPARATORS

IN ORDER OF: (1)TYPE CODE (2)LOGIC TYPE
(3)BITS (4)MAX PROPAG DELAY (5)TYPE No.

DIGITAL

LINE No.	TYPE No.	TYPE CODE	BITS	COMPARES CODE	MAX. PROPAG-ATION DELAY (s)	PRO-CESS	LOGIC LEVEL			MINIMUM SINK CURRENT (A)	POWER SUPPLY SPAN		MAX. TOTAL PKG. DISS. (W)	TEMP.		DRAWINGS		
							'1' (V)	'0' (V)	TYPE		NEG (V)	POS (V)		LOW °C	HI °C	LOGIC DWG. No	OUTLINE DWG. No Δ=MO	
1	93S46FC		6	BIN	12n	MON	2.0%	.80*	TTL	20m	.50	0.0	5.0	350m	0	75	N002	FP103
2	93S47FC		6	BIN	15n	MON	2.4%	.50*†	TTL	20m	.50	0.0	5.0	325m	0	75	N003	FP103
3	AmZ8121		8	BIN	15n	MON	2.0%	.80*	TTL			0.0	5.0		0	70	N0029	MJ2
4	CD4063BK	M	4	BIN,BCD	175n	MOS	15	0.0†	CMS	3.4m	1.5	0.0	15	200m	-55	125	N0017	Δ001AG
5	SCL4585BD	M	4	BIN,BCD	250n	MOS	9.95%	.05*†	CMS	1.3m	.50	0.0	10	100u%	-55	125	N005	Δ001AE
6	SCL4585BF	M	4	BIN,BCD	250n	MOS	9.95%	.05*†	CMS	1.3m	.50	0.0	10	100u%	-55	125	N005	Δ004AH
7	F10166FC	M	5	BIN	6.5n	MON	-96%	-1.6	ECT	20m	-.96	5.2	0.0	390m	0	75	N0023	FP103
8	SW7485J	M	4	BIN,BCD		MON	2.0%	.80*	TTL			0.0	5.0	280m	0	70		M153
9	SW7485N	M	4	BIN,BCD		MON	2.0%	.80*	TTL			0.0	5.0	280m	0	70		M117
10	N74S85B	M	4	BIN,BCD	18n	MON	2.0%	.80*	TTL	16m	.40	0.0	5.0	550m	0	70	N009	M317
11#	7485PC	M	4	BIN,BCD	35n	MON	2.0%	.80*	TTL			5.0	5.0	440m	0	70	N009	M562
12	N7485B	M	4	BIN,BCD	35n	MON	2.0%	.80*	TTL	16m	.40	0.0	5.0	440m	0	70	N009	M317
13	N74LS85B	M	4	BIN,BCD	40n	MON	2.0%	.80*	TTL	8m	.50	0.0	5.0	100m	0	70	N009	M317
14	N8269A	M	4	BIN	40n	MON	2.6%	.40*†	TTL	16m	.40	0.0	5.0	278m	0	75	N0020	M318
15	S8269A	M	4	BIN	40n	MON	2.6%	.40*†	TTL	16m	.40	0.0	5.0	278m	-55	125	N0020	M318
16	S8269F	M	4	BIN	40n	MON	2.6%	.40*†	TTL	16m	.40	0.0	5.0	278m	-55	125	N0020	M257f
17	S8269W	M	4	BIN	40n	MON	2.6%	.40*†	TTL	16m	.40	0.0	5.0	278m	-55	125	N0020	FP39e
18	JANM38510/31101BFB	M	4	BIN,BCD	42n	MON	2.0%	.70*	TTL	4.0m	.40	0.0	5.5	110m	-55	125	N009	FP117
19	JANM38510/31101CFB	M	4	BIN,BCD	42n	MON	2.0%	.70*	TTL	4.0m	.40	0.0	5.5	110m	-55	125	N009	FP117
20	T9324FM	M	5	BIN	45n	MON	2.0%	.80*	TTL	16m	.40	0.0	5.0	405m	-55	125	N0022	FP101a
21	T9324JM	M	5	BIN	45n	MON	2.0%	.80*	TTL	16m	.40	0.0	5.0	405m	-55	125	N0022	M153c
22	T9324F	M	5	BIN	48n	MON	2.0%	.80*	TTL	16m	.40	0.0	5.0	405m	0	75	N0022	FP101a
23	T9324J	M	5	BIN	48n	MON	2.0%	.80*	TTL	16m	.40	0.0	5.0	405m	0	75	N0022	M153c
24	9324FC	M	5	BIN	49n	MON	1.8%	.85*	TTL	13m	.45	0.0	5.0	375m	0	75	N004	M563

18. ARITHMETIC LOGIC UNITS

IN ORDER OF: (1)BITS (2)LOGIC TYPE
(3)NO LOG OPER (4)MAX PROP DELAY (5)TYPE No.

LINE No.	TYPE No.	BITS	NUMBER OF OPERATIONS		MAXIMUM PROPAGATION DELAY (s)	MAXIMUM @OPER-ATE MODE	PRO-CESS	LOGIC LEVEL		TYPE	MINIMUM SINK CURRENT		POWER SUPPLY SPAN		MAX. TOTAL PKG. DISS. (W)	FEATURES	TEMP.		DRAWINGS	
			LOGIC	ARITH				'1' (V)	'0' (V)		@ Vo (V)	NEG (V)	POS (V)	LOW °C			HI °C	LOGIC DWG. No	OUTLINE DWG. No Δ=MO	
1	CD4057AK	4	7	9	720n	SUM	MOS	9.95%	.05*†	CMS	90u∅	.50	0.0	10	10u%	4 MODES	-55	125	U0017	FP109a
2	4581BDC	4	16	16			MOS	11%	4.0*	CMS	3.0m	1.5	0.0	15		LACO	-40	85	U0018	M559
3	4581BDM	4	16	16			MOS	11%	4.0*	CMS	3.4m	1.5	0.0	15		LACO	-55	125	U0018	M559
4	4581BFC	4	16	16			MOS	11%	4.0*	CMS	3.0m	1.5	0.0	15		LACO	-40	85	U0018	FP66
5	4581BFM	4	16	16			MOS	11%	4.0*	CMS	3.4m	1.5	0.0	15		LACO	-55	125	U0018	FP66
6	4581BPC	4	16	16			MOS	11%	4.0*	CMS	3.0m	1.5	0.0	15		LACO	-40	85	U0018	M560
7	TP4581AN	4	16	16			MOS	7.0%	3.0*	CMS	1.1m	.50	0.0	10	400u%	LACO	-40	85	U003	M186
8	SCL4581BD	4	16	16	370n	SUM	MOS	9.95%	.05*†	CMS	1.3m	.50	0.0	10	100u%	LACO	-55	125	U0018	M565a
9	F10181PC	4	16	16	11n	SUM	MON	-9.6%	-1.6*†	ECT	20m	-.96	5.2	0.0	754m%	LACGO	0	75	U0021	M560
10	S8260N	4	2	1	33n	SUM	MON	2.6%	.40*†	TTL	9.6m	.40	0.0	5.0	600m%	LACGO	-55	125	U005	M474
11	S8260Q	4	2	1	33n	SUM	MON	2.6%	.40*†	TTL	9.6m	.40	0.0	5.0	600m%	LACGO	-55	125	U005	FP59b
12	9340FC	4	6	2	33n\$	SUBT	MON	1.8%	.85*	TTL	16m	.45	0.0	5.0	425m†	LACGO	0	75	U0013	FP66
13	74S181FC	4	16	16	23n	DIFF	MON	2.0%	.80*	TTL	20m	.50	0.0	5.0	750m%	LACGO	0	75	U0010	FP66
14	93S41FC	4	16	16	23n	DIFF	MON	2.0%	.80*	TTL	20m	.50	0.0	5.0	750m%	LACGO	0	75	U0010	FP66
15	9341FC	4	16	16	27n\$	DIFF	MON	2.0%	.80*	TTL	16m	.40	0.0	5.0	450m†	LACGO	0	75	U0010	FP66
16	74181FC	4	16	16	27n\$	DIFF	MON	2.0%	.80*	TTL	16m	.55	0.0	5.0	450m†	LACGO	0	75	U0010	FP66
17	93L41FC	4	16	16	35n\$	DIFF	MON	2.0%	.70*	TTL	16m	.55	0.0	5.0	120m†	LACGO	0	75	U0010	FP66
18	25LS181CH#1	4	16	16	50n	DIFF	MON	2.0%	.80*	TTL	16m	.55	0.0	5.0	185m	LACGO	0	70	U002	CH91
19	25LS181CH#2	4	16	16	50n	DIFF	MON	2.0%	.70*	TTL	16m	.55	0.0	5.0	175m	LACGO	-55	125	U002	CH91
20	25LS181J#1	4	16	16	50n	DIFF	MON	2.0%	.80*	TTL	16m	.55	0.0	5.0	185m	LACGO	0	70	U002	M199h
21	25LS181J#2	4	16	16	50n	DIFF	MON	2.0%	.70*	TTL	16m	.55	0.0	5.0	175m	LACGO	-55	125	U002	M199h
22	25LS181W#1	4	16	16	50n	DIFF	MON	2.0%	.80*	TTL	16m	.55	0.0	5.0	185m	LACGO	0	70	U002	FP66a
23	25LS181W#2	4	16	16	50n	DIFF	MON	2.0%	.70*	TTL	16m	.55	0.0	5.0	175m	LACGO	-55	125	U002	FP66a
24#	MIC74181J	4	16	16	50n	DIFF	MON	2.0%	.80*	TTL	16m	.40	0.0	5.0	450m†	LACGO	0	75	U0010	M197g
25#	MIC74181N	4	16	16	50n	DIFF	MON	2.0%	.80*	TTL	16m	.40	0.0	5.0	450m†	LACGO	0	75	U0010	
26	9LS181DC	4	16	16	62n	DIFF	MON	2.0%	.80*	TTL	8.0m	.50	0.0	5.0	185m%	LACGO	0	75	U0010	M559
27	9LS181DM	4	16	16	62n	DIFF	MON	2.0%	.70*	TTL	4.0m	.40	0.0	5.0	175m%	LACGO	-55	125	U0010	M559
28	9LS181FC	4	16	16	62n	DIFF	MON	2.0%	.80*	TTL	8.0m	.50	0.0	5.0	185m%	LACGO	0	75	U0010	FP66
29	9LS181FM	4	16	16	62n	DIFF	MON	2.0%	.70*	TTL	4.0m	.40	0.0	5.0	175m%	LACGO	-55	125	U0010	FP66
30	9LS181PC	4	16	16	62n	DIFF	MON	2.0%	.80*	TTL	8.0m	.50	0.0	5.0	185m%	LACGO	0	75	U0010	M560
31	54LS181DM	4	16	16	62n	DIFF	MON	2.0%	.70*	TTL	4.0m	.40	0.0	5.0	175m%	LACGO	-55	125	U0010	M559
32	74LS181DC	4	16	16	62n	DIFF	MON	2.0%	.80*	TTL	8.0m	.50	0.0	5.0	185m%	LACGO	0	75	U0010	M559
33	74LS181FC	4	16	16	62n	DIFF	MON	2.0%	.80*	TTL	8.0m	.50	0.0	5.0	185m%	LACGO	0	75	U0010	FP66

DIGITAL

19. LOOK-AHEAD CARRY GENERATORS

IN ORDER OF: (1)BITS (2)LOGIC TYPE
(3)MAX PROPAGATION DELAY (4)TYPE No.

DIGITAL

LINE No.	TYPE No.	BITS	3 MAX. PROPAG. DELAY (s)	PRO-CESS	LOGIC LEVEL			MINIMUM SINK CURRENT		POWER SUPPLY SPAN		MAX. TOTAL PKG. DISS. (W)	FEATURES	TEMP.		CKT PER MOD	DRAWINGS	
					'1' (V)	'0' (V)	TYPE	(A)	@ Vo (V)	NEG (V)	POS (V)			LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=MO
1	SN54S182JΔ		7.0n	MON	2.0%	.80*	TTL	20	5.5	0.0	5.0	495m		0	70	4		MZ
2	SN74S182JΔ		7.0n	MON	2.0%	.80*	TTL	20	5.5	0.0	5.0	545m		-55	125	4		MZ
3#	74182PC		19n	MON	2.0%	.80*	TTL			0.0	5.0	360m	Used w/74181PC	0	70	1	S002	M562
4	TP4582AN	16		MOS	7.0%	3.0*	CMS	1.1m	.50	0.0	10	400u%		-40	85	1	S003	M117x
5	34582D	16	20ns	MOS	10.5%	4.5*	CMS	2.0m	.50	0.0	15	400m		-40	85	1	S003	M561
6	34582F	16	20ns	MOS	10.5%	4.5*	CMS	2.0m	.50	0.0	15	400m		-40	85	1	S003	FP103
7	34582P	16	20ns	MOS	10.5%	4.5*	CMS	2.0m	.50	0.0	15	400m		-40	85	1	S003	M562
8	CD40182BK	16	90ns	MOS	14.9%	.05*†	CMS	6.0m†	1.5	0.0	15	200m	Used w/CD40181ALU	-55	125	1	S001	Δ004AG
9	SCL4582BD	16	170n	MOS	9.95%	.05*†	CMS	1.3m	.50	0.0	10	100u%	Used W/SCL4581B ALU	-55	125	1	S003	Δ001AE
10	SCL4582BF	16	170n	MOS	9.95%	.05*†	CMS	1.3m	.50	0.0	10	100u%	Used W/SCL4581B ALU	-55	125	1	S003	Δ004AH
11	F10179FC	16	5.5n	MON	-96%	-1.6*†	ECT	20m	-.96	5.2	0.0	374m%	Used W/F10181 ALU	0	75	1	S004	FP103
12	F10179PC	16	5.5n	MON	-96%	-1.6*†	ECT	20m	-.96	5.2	0.0	374m%	Used W/F10181 ALU	0	75	1	S004	M562
13	N74S182B	16	10n	MON	2.0%	.80*	TTL	16m	.40	0.0	5.0	545m	Used W/74S181ALU	0	70	1	S002	M317
14	S54S182B	16	10n	MON	2.0%	.80*	TTL	16m	.40	0.0	5.0	495m	Used W/54S181ALU	-55	125	1	S002	M317
15	93S42FC	16	11n	MON	2.0%	.80*	TTL	20m	.50	0.0	5.0	400m†	Used W/93S41ALU	0	75	1	S002	FP103
16	9342FC	16	12ns	MON	2.0%	.80*	TTL			0.0	5.0	180m†	Used w/9341ALU	0	75	1	S002	FP103
17	54LS182DM	16	13ns	MON	2.0%	.70*	TTL	4.0m	.40	0.0	5.0	80m	Used W/54LS181 ALU	-55	125	1	S009	M561
18	54LS182FM	16	13ns	MON	2.0%	.70*	TTL	4.0m	.40	0.0	5.0	80m	Used W/54LS181 ALU	-55	125	1	S009	FP103
19	74LS182DC	16	13ns	MON	2.0%	.80*	TTL	8.0m	.50	0.0	5.0	80m	Used W/74LS181 ALU	0	70	1	S009	M561
20	74LS182FC	16	13ns	MON	2.0%	.80*	TTL	8.0m	.50	0.0	5.0	80m	Used W/74LS181 ALU	0	70	1	S009	FP103
21	74LS182PC	16	13ns	MON	2.0%	.80*	TTL	8.0m	.50	0.0	5.0	80m	Used W/74LS181 ALU	0	70	1	S009	M562
22#	MIC74182J	16	22n	MON	2.0%	.80*	TTL	16m	.40	0.0	5.0	180m	Used W/MIC74181ALU	0	75	1	S009	M153g
23#	MIC74182N	16	22n	MON	2.0%	.80*	TTL	16m	.40	0.0	5.0	180m	Used W/MIC74181ALU	0	75	1	S009	M117ab
24	N74182B	16	22n	MON	2.0%	.80*	TTL	16m	.40	0.0	5.0	360m	Used W/74181ALU	0	70	1	S002	M317
25	S54182B	16	22n	MON	2.0%	.80*	TTL	16m	.40	0.0	5.0	325m	Used W/54181ALU	-55	125	1	S002	M317

25. PARITY GENERATORS/CHECKERS

IN ORDER OF: (1)BITS (2)LOGIC TYPE
(3)MAX PROPAGATION DELAY (4)TYPE No.

LINE No.	TYPE No.	BITS	MAX. PROPAGATION DELAY (s)	PROCESS	LOGIC LEVEL			MINIMUM SINK CURRENT		POWER SUPPLY SPAN		MAX. TOTAL PKG. DISS. (W)	FEATURES	TEMP.		CKT PER MOD	DRAWINGS	
					'1'	'0'	TYPE	(A)	@ Vo (V)	NEG (V)	POS (V)			LOW	HI		LOGIC DWG. No	OUTLINE DWG. No
					(V)	(V)					°C			°C	Δ = MO			
1	MC1046P	8	14ns	MON	-85%	-1.5*†	ECT	2.5m∅	-85	5.2	0.0	250m†	Used w/MC1030	0	75		P0010	T0116
2	MC1246L	8	14ns	MON	-85%	-1.5*†	ECT	2.5m∅	-85	5.2	0.0	250m†	Used w/MC1030	-55	125		P0010	T0116
3	93180DC	8	40ns	MON	2.0%	.80*	TTL			0.0	5.0	170m†		0	75	1	P0012	T0116
4	93180DM	8	40ns	MON	2.0%	.80*	TTL			0.0	5.0	170m†		-55	125	1	P0002	T0116
5	93180FC	8	40ns	MON	2.0%	.80*	TTL			0.0	5.0	170m†		0	75	1	P0012	T086
6	93180FM	8	40ns	MON	2.0%	.80*	TTL			0.0	5.0	170m†		-55	125	1	P0012	T086
7	93180PC	8	40ns	MON	2.0%	.80*	TTL			0.0	5.0	170m†		0	75	1	P0012	T0116
8#	74180B1	8	60n	MON	2.0%	.80*	TTL	16m	.40	0.0	5.0	170m†	Compatible W/DTL	0	70	1	P0017	T0116
9	74180FC	8	68n	MON	2.0%	.80*	TTL			0.0	5.0	280mΔ	Even/Odd Output	0	70	6	P0026	FP52
10#	74180OC#	8	68n	MON	2.8% %	.80*	TTL			0.0	5.0	245m	Odd/Even	0	70	1	P009	665%
11	N74180A	8	68n	MON	2.0%	.80*	TTL	16m	.40	0.0	5.0	280m\$		0	70	1	P004	M318
12	S54180A	8	68n	MON	2.0%	.80*	TTL	16m	.40	0.0	5.0	245m\$		-55	125	1	P004	M318
13	CD40101BK	9	125ns	MOS	14.9%	.05*†	CMS	6.8m†	1.5	0.0	15	600m†	Inhibit Input	-55	125	1	P001	Δ004AF
14	93S62FC	9	26n	MON	2.0%	.80*	TTL	20m	.50	0.0	5.0	325m\$	Enable Input	0	75	1	P0014	T086
15#	T167B1	9	50n	MON	2.0%	.80*	TTL	16m	.40	0.0	5.0	350m%	Compatible w/DTL	0	75	1	P0017	T0116
16	N8262A	9	55n	MON	2.6%	.40*†	TTL	20m	.50	0.0	5.0	370m\$	Inhibit Input	0	75	1	P0021	M318
17	S8262A	9	55n	MON	2.6%	.40*†	TTL	20m	.50	0.0	5.0	370m\$	Inhibit Input	-55	125	1	P0021	M318
18#	T167D1	9	60n	MON	2.0%	.80*	TTL	16m	.40	0.0	5.0	350m%	Compatible W/DTL	0	75	1	P0017	T0116
19#	MIC54180J	9	68n	MON	2.0%	.80*	TTL	16m	.40	0.0	5.0	170m†	Odd/Even	-55	125	1	P004	T0116
20#	MIC74180J	9	68n	MON	2.0%	.80*	TTL	16m	.40	0.0	5.0	170m†	Odd/Even	0	70	1	P004	T0116
21#	MIC74180N	9	68n	MON	2.0%	.80*	TTL	16m	.40	0.0	5.0	170m†	Odd/Even	0	70	1	P004	M126x
22	F10170FC	11	7.5n	MON	-96%	-1.6*†	ECT	20m	-.96	5.2	0.0	354m%	11 Input	0	75	1	P0024	FP103
23	TP4531AN	12		MOS	7.0%	3.0*	CMS	1.1m	.50	0.0	10	400u%		-40	85	1	P003	M117x
24	SCL4531BD	12	350n	MOS	9.95%	.05*†	CMS	1.3m	.50	0.0	10	100u%	Buffered Output	-55	125	1	P003	Δ001AE
25	SCL4531BF	12	350n	MOS	9.95%	.05*†	CMS	1.3m	.50	0.0	10	100u%	Buffered Output	-55	125	1	P003	Δ004AH
26	F10160FC	12	7.5n	MON	-96%	-1.6*†	ECT	20m	-.96	5.2	0.0	307m%		0	75	1	P0023	FP103
27	F10160PC	12	7.5n	MON	-96%	-1.6*†	ECT	20m	-.96	5.2	0.0	307m%		0	75	1	P0023	M562
28	9348FC	12	40ns	MON	2.0%	.80*	TTL			0.0	5.0	235m†		0	75	1	P0013	T086

DIGITAL

26. LATCHES

IN ORDER OF: (1)BITS (2)LOGIC TYPE
(3)MAX PROPAGATION DELAY (4)TYPE No.

DIGITAL

LINE No.	TYPE No.	BITS	TYPE CODE	MAX. PROPAGATION DELAY (s)	PROCESS	LOGIC LEVEL			MINIMUM SINK CURRENT		POWER SUPPLY SPAN		MAX. TOTAL PKG. DISS. (W)	FEATURES	TEMP.		CKT PER MOD	DRAWINGS	
						'1' (V)	'0' (V)	TYPE	(A)	@ V _o (V)	NEG (V)	POS (V)			LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=MO
1	9LS279DC	1	R/S	27n	MON	2.0%	.80*	TTL	8m	.50	0.0	5.0	35m		0	75	4	L0041	M561
2	9LS279DM	1	R/S	27n	MON	2.0%	.70*	TTL	4m	.40	0.0	5.0	35m		-55	125	4	L0041	M561
3	9LS279FC	1	R/S	27n	MON	2.0%	.80*	TTL	8m	.50	0.0	5.0	35m		0	75	4	L0041	FP103
4	9LS279FM	1	R/S	27n	MON	2.0%	.70*	TTL	4m	.40	0.0	5.0	35m		-55	125	4	L0041	FP103
5	9LS279PC	1	R/S	27n	MON	2.0%	.80*	TTL	8m	.50	0.0	5.0	35m		0	75	4	L0041	M562
6	9N279DC	1	R/S	27n	MON	2.0%	.80*	TTL	8m	.50	0.0	5.0	90m		0	75	4	L0041	M561
7	9N279DM	1	R/S	27n	MON	2.0%	.80*	TTL	4m	.40	0.0	5.0	90m		-55	125	4	L0041	M561
8	9N279FC	1	R/S	27n	MON	2.0%	.80*	TTL	8m	.50	0.0	5.0	90m		0	75	4	L0041	FP103
9	9N279FM	1	R/S	27n	MON	2.0%	.80*	TTL	4m	.40	0.0	5.0	90m		-55	125	4	L0041	FP103
10	9N279PC	1	R/S	27n	MON	2.0%	.80*	TTL	8m	.50	0.0	5.0	90m		0	75	4	L0041	M562
11	74LS279FC	1	R/S	27n	MON	2.0%	.80*	TTL	8.0m	.50	0.0	5.0	35m		0	75	4	L0041	FP103
12	N74279B	1	R/S	27n	MON	2.0%	.80*	TTL	1.6m	.40	0.0	5.0	150m	NAND	0	70	4	L0041	M561
13	F10130FC	2	D	3.5n	MON	-.96%	-1.6**	ECT	20m	-.96	5.2	0.0	182m%	COMPL	0	75	2	L0075	FP103
14	F10130PC	2	D	3.5n	MON	-.96%	-1.6**	ECT	20m	-.96	5.2	0.0	182m%	COMPL	0	75	2	L0075	M562
15	F10133FC	2	D	5.4n	MON	-.96%	-1.6**	ECT	20m	-.96	5.2	0.0	390m%	COMPL	0	75	2	L0075	FP103
16	F10133PC	2	D	5.4n	MON	-.96%	-1.6**	ECT	20m	-.96	5.2	0.0	390m%	COMPL	0	75	2	L0075	M562
17	F10153FC	2	D	5.4n	MON	-.96%	-1.6**	ECT	20m	-.96	5.2	0.0	390m%	COMPL	0	75	2	L0075	FP103
18	F10153PC	2	D	5.4n	MON	-.96%	-1.6**	ECT	20m	-.96	5.2	0.0	390m%	COMPL	0	75	2	L0075	M562
19	74LS375FC	2	D	16n	MON	2.0%	.80*	TTL	8.0m	.50	0.0	5.0	30m	Full Compl	0	70	2	L0029	FP103
20	9377FC	2	D	16n	MON	2.0%	.80*	TTL	1.6m	.40	0.0	5.0	160m		0	75	2	L0042	T086
21	9377FM	2	D	16n	MON	2.0%	.80*	TTL	1.6m	.40	0.0	5.0	160m		0	75	2	L0042	T086
22	9375DC	2	D	20n	MON	2.0%	.80*	TTL	1.6m	.40	0.0	5.0	160m	FULL COMPL	0	75	2	L0040	M561
23	9375DM	2	D	20n	MON	2.0%	.80*	TTL	1.6m	.40	0.0	5.0	160m	FULL COMPL	-55	125	2	L0040	M561
24	9375FC	2	D	20n	MON	2.0%	.80*	TTL	1.6m	.40	0.0	5.0	160m	FULL COMPL	0	75	2	L0040	FP103
25	9375FM	2	D	20n	MON	2.0%	.80*	TTL	1.6m	.40	0.0	5.0	160m	FULL COMPL	-55	125	2	L0040	FP103
26	9375PC	2	D	20n	MON	2.0%	.80*	TTL	1.6m	.40	0.0	5.0	160m	FULL COMPL	0	75	2	L0040	M562
27	54LS75DM	2	D	27n	MON	2.0%	.70*	TTL	4.0m	.40	0.0	5.0	60m	Full Compl	-55	125	2	L0052	M561
28	54LS75FM	2	D	27n	MON	2.0%	.70*	TTL	4.0m	.40	0.0	5.0	60m	Full Compl	-55	125	2	L0052	FP103
29	54LS77DM	2	D	27n	MON	2.0%	.70*	TTL	4.0m	.40	0.0	5.0	60m	14 Pin Pkg	-55	125	2	L0053	TO116
30	54LS77FM	2	D	27n	MON	2.0%	.70*	TTL	4.0m	.40	0.0	5.0	60m	14 Pin Pkg	-55	125	2	L0053	FP211h
31	74LS75DC	2	D	27n	MON	2.0%	.80*	TTL	8.0m	.50	0.0	5.0	60m	Full Compl	0	70	2	L0052	M561
32	74LS75FC	2	D	27n	MON	2.0%	.80*	TTL	8.0m	.50	0.0	5.0	60m	Full Compl	0	70	2	L0052	FP103
33	74LS75PC	2	D	27n	MON	2.0%	.80*	TTL	8.0m	.50	0.0	5.0	60m	Full Compl	0	70	2	L0052	M562
34	74LS77DC	2	D	27n	MON	2.0%	.80*	TTL	8.0m	.50	0.0	5.0	60m	14 Pin Pkg	0	70	2	L0053	TO116
35	74LS77FC	2	D	27n	MON	2.0%	.80*	TTL	8.0m	.50	0.0	5.0	60m	14 Pin Pkg	0	70	2	L0053	FP211h
36	74LS77PC	2	D	27n	MON	2.0%	.80*	TTL	8.0m	.50	0.0	5.0	60m	14 Pin Pkg	0	70	2	L0053	TO116
37	ITT5475J	2	D	40n	MON	2.0%	.80*	TTL	16m	.40	0.0	5.0	230m	COMPL	-55	125	2	L007	M153
38	ITT7475J	2	D	40n	MON	2.0%	.80*	TTL	16m	.40	0.0	5.0	265m	COMPL	0	70	2	L007	M153
39#	MIC5475J	2	D	40n	MON	2.0%	.80*	TTL	16m	.40	0.0	5.0	160m		-55	125	2	L0052	M153g
40#	MIC7475J	2	D	40n	MON	2.0%	.80*	TTL	16m	.40	0.0	5.0	160m		0	75	2	L0052	M153g
41#	MIC7475N	2	D	40n	MON	2.0%	.80*	TTL	16m	.40	0.0	5.0	160m		0	75	2	L0052	M117ab
42	N7475B	2	D	40n	MON	2.0%	.80*	TTL	16m	.40	0.0	5.0	265m	COMPL	0	70	2	L0052	M317
43	N8275B	2	D	40n	MON	2.6%	.40**	TTL	16m	.40	0.0	5.0	265m	COMP	0	75	2	L0063	M317
44	N8275F	2	D	40n	MON	2.6%	.40**	TTL	16m	.40	0.0	5.0	265m	COMP	0	75	2	L0063	M200v
45	N8275W	2	D	40n	MON	2.6%	.40**	TTL	16m	.40	0.0	5.0	265m	COMP	0	75	2	L0063	FP47g
46	S5475B	2	D	40n	MON	2.0%	.80*	TTL	16m	.40	0.0	5.0	230m	COMPL	-55	125	2	L0052	M317
47	S8275B	2	D	40n	MON	2.6%	.40**	TTL	16m	.40	0.0	5.0	265m	COMP	-55	125	2	L0063	M317
48	S8275F	2	D	40n	MON	2.6%	.40**	TTL	16m	.40	0.0	5.0	265m	COMP	-55	125	2	L0063	M200v
49	S8275W	2	D	40n	MON	2.6%	.40**	TTL	16m	.40	0.0	5.0	265m	COMP	-55	125	2	L0063	FP47g
50#	T7475B1	2	D	40n	MON	2.0%	.80*	TTL	16m	.40	0.0	5.0	160m	Dual 2 Bit	0	70	2	L0052	M267
51	SN74677W	2	D	80n	MON	2.0%	.80*	TTL	8.0m	.40	0.0	5.0	80m		0	70	2	L007a	FP52e
52	54LS452FM	3	D	30n	MON	2.0%	.80*	TTL	1.6m	.40	0.0	5.0	200m	Comp	55	125	8	L0101	FP144
53	74LS563DC	3	D	30n	MON	2.0%	.80*	TTL	1.6m	.40	0.0	5.0	200m	Comp	0	70	8	L0101	M633
54	74LS563PC	3	D	30n	MON	2.0%	.80*	TTL	1.6m	.40	0.0	5.0	200m	Comp	0	70	8	L0101	M582
55	74LS573DC	3	D	35n	MON	2.0%	.80*	TTL	1.6m	.40	0.0	5.0	200m	0	70	125	8	M633	N
56	CD1867E	4	D		MOS	3.5%	1.5*	CMS	1.6m	.40	0.0	10.5	500m	W/Decoder	-40	85	1	L0114	M680
57	CD4043BH	4	R/S		MOS	15%	0.0	CMS	1.6m	.40	0.0	15	500m		-55	125	1	L001	CHI2
58	CD4043BK	4	R/S		MOS	15%	0.0	CMS	3.4m	1.5	0.0	15	500m		-55	125	1	L001	Δ004AG
59	CD4044AK	4	R/S		MOS	9.95%	.05**	CMS	500u	.50	0.0	10	200u	NAND	-55	125	1	L0021	Δ004AG
60	CD4044BH	4	R/S		MOS	15%	0.0	CMS	1.6m	.40	0.0	15	500m		-55	125	1	L001	CHI2
61	CD4044BK	4	R/S		MOS	15%	0.0	CMS	3.4m	1.5	0.0	15	500m		-55	125	1	L0021	Δ004AG
62	TP4042AN	4	D		MOS	7.0%	3.0*	CMS	1.1m	.50	0.0	10	80u		-40	85	1	L003	M117x
63	TP4042BN	4	D		MOS	7.0%	3.0*	CMS	1.1m	.50	0.0	10	80u		-40	85	1	L003	M117x
64	TP4043AN	4	R/S		MOS	7.0%	3.0*	CMS	1.1m	.50	0.0	10	80u		-40	85	1	L004	M117x
65	TP4043BN	4	R/S		MOS	7.0%	3.0*	CMS	1.1m	.50	0.0	10	80u		-40	85	1	L004	M117x
66	TP4044AN	4	R/S		MOS	7.0%	3.0*	CMS	1.1m	.50	0.0	10	80u		-40	85	1	L005	M117x
67	TP4044BN	4	R/S		MOS	7.0%	3.0*	CMS	1.1m	.50	0.0	10	80u		-40	85	1	L005	M117x
68	TP4376AN	4	R/S		MOS	7.0%	3.0*	CMS	1.1m	.50	0.0	10	80u		-40	85	1	L005	M117x
69	TP4377AN	4	R/S		MOS	7.0%	3.0*	CMS	1.1m	.50	0.0	10	80u		-40	85	1	L005	M117x
70	34042DC	4	D	27n	MOS	10.5%	4.5*	CMS	3.6m	.50	0.0	15	2.8m	FULL COMPL	-40	85	1	L0043	M561
71	34042DM	4	D	27n	MOS	10.5%	4.5*	CMS	3.6m	.50	0.0	15	1.2m	FULL COMPL	-55	125	1	L0043	M561
72	34042FC	4	D	27n	MOS	10.5%	4.5*	CMS	3.6m	.50	0.0	15	2.8m	FULL COMPL	-40	85	1	L0043	FP103
73	34042FM	4	D	27n	MOS	10.5%	4.5*	CMS	3.6m	.50	0.0	15	1.2m	FULL COMPL	-55	125	1	L0043	FP103
74	34042PC	4	D	27n	MOS	10.5%	4.5*	CMS	3.6m	.50	0.0	15	2.8m	FULL COMPL	-40	85	1	L0043	M562
75	34723DC	4	D	35n	MOS	10.5%	4.5*	CMS	3.6m	.50	0.0	15	2.0m	Addressable	-40	85	2	L0047	M561
76	34723DM	4	D	35n	MOS	10.5%	4.5*	CMS	3.6m	.50	0.0	15	300u	Addressable	-55	125	2	L0047	M561
77	34723FC	4	D	35n	MOS	10.5%	4.5*	CMS	3.6m	.50	0.0	15	2.0m	Addressable	-40	85	2	L0047	FP103
78	34723FM	4	D	35n	MOS	10.5%	4.5*	CMS											

26. LATCHES

IN ORDER OF: (1)BITS (2)LOGIC TYPE
(3)MAX PROPAGATION DELAY (4)TYPE No.

LINE No.	TYPE No.	BITS	TYPE CODE	3 MAX. PROPAG. DELAY (s)	PRO-CESS	LOGIC LEVEL		TYPE	MINIMUM SINK CURRENT		POWER SUPPLY SPAN		MAX. TOTAL PKG. DISS. (W)	FEATURES	TEMP.		CKT PER MOD	DRAWINGS	
						'1' (V)	'0' (V)		(A)	@ V _o (V)	NEG (V)	POS (V)			LOW °C	HI °C		LOGIC DWG. No	OUTLINE DWG. No Δ=MO
1	HD1-4043A9	4	R/S	200n	MOS	10s	0.0†	CMS	1.0m∅†	9.5	0.0	10	200m	NOR	-40	85	1	L001	M200q
2	HD1-4044A9	4	R/S	200n	MOS	10s	0.0†	CMS	1.0m∅†	9.5	0.0	10	200m	NAND	-40	85	1	L0021	M200q
3	HD9-4043A9	4	R/S	200n	MOS	10s	0.0†	CMS	1.0m∅†	9.5	0.0	10	200m	NOR	-40	85	1	L001	FP103
4	HD9-4044A9	4	R/S	200n	MOS	10s	0.0†	CMS	1.0m∅†	9.5	0.0	10	200m	NAND	-40	85	1	L0021	FP103
5	SCL4043BD	4	R/S	350n	MOS	13.5%	0.45*	CMS		0.0	0.0	12	300u%	NOR	-55	125	1	L00106	M∅
6	SCL4043BF	4	R/S	350n	MOS	13.5%	0.45*	CMS		0.0	0.0	12	300u%	NOR	-55	125	1	L00106	FP∅
7	SCL4044BD	4	R/S	350n	MOS	13.5%	0.45*	CMS		0.0	0.0	12	300u%	NAND	-55	125	1	L00107	M∅
8	SCL4044BF	4	R/S	350n	MOS	13.5%	0.45*	CMS		0.0	0.0	12	300u%	NAND	-55	125	1	L00107	FP∅
9	F10168FC	4	D	5.4n	MON	-96%	-1.6*†	ECT	20m	-.96	5.2	0.0	390m%		0	75	1	L0077	FP103
10	F10168PC	4	D	5.4n	MON	-96%	-1.6*†	ECT	20m	-.96	5.2	0.0	390m%		0	75	1	L0077	M562
11	MC1040P	4	D	12n	MON	-85%	-1.5*†	ECT	2.5m∅	-.85	5.2	0.0	250m†	FO-25	0	75	1	L0010	TO116
12	MC1070P	4	D	12n	MON	-85%	-1.5*†	ECT	2.5m∅	-.85	5.2	0.0	200m†	FO-25	0	75	1	L0010	TO116
13	MC1240F	4	D	12n	MON	-85%	-1.5*†	ECT	2.5m∅	-.85	5.2	0.0	250m†	FO-25	-55	125	1	L0010	TO86
14	MC1240L	4	D	12n	MON	-85%	-1.5*†	ECT	2.5m∅	-.85	5.2	0.0	250m†	FO-25	-55	125	1	L0010	TO116
15	MC1270F	4	D	12n	MON	-85%	-1.5*†	ECT	2.5m∅	-.85	5.2	0.0	200m†	FO-25	-55	125	1	L0010	TO86
16	MC1270L	4	D	12n	MON	-85%	-1.5*†	ECT	2.5m∅	-.85	5.2	0.0	200m†	FO-25	-55	125	1	L0010	TO116
17	9308FC	4	D	12n§	MON	1.8%	-.85*	TTL	14m	.45	0.0	5.0	585m§	Enable Gate	0	75	2	L0032	FP66
18	93116DC	4	D	12n§	MON	2.0%	-.80*	TTL			0.0	5.0	300m†	Enable Gate	0	75	2	L032	M559
19	93116DM	4	D	12n§	MON	2.0%	-.80*	TTL			0.0	5.0	300m†	Enable Gate	0	75	2	L0032	M559
20	93116PC	4	D	12n§	MON	2.0%	-.80*	TTL			0.0	5.0	300m†	Enable Gate	0	75	2	L0032	M560
21	9314FC	4	D,R/S	18n§	MON	1.8%	-.85*	TTL	14m	.45	0.0	5.0	300m§	Multimode	0	75	1	L0033	FP103
22	74279FC	4	R/S	27n%	MON	2.0%	-.80*	TTL			0.0	5.0	150m	Comp	0	70	4		FP93c
23	74LS256FC	4	D	30n	MON	2.0%	-.80*	TTL	8.0m	.50	0.0	5.0	125m	Addressable	0	70	2	L0047	FP103
24	93L08FC	4	D	32n§	MON	1.8%	-.85*	TTL	14m	.45	0.0	5.0	100m†	Enable Gate	0	75	2	L0032	FP66
25	5477DM	4	D	35n%	MON	2.0%	-.80*	TTL			0.0	5.0	250m	Comp	-55	125	1	L0100	M294q
26	7477DC	4	D	35n%	MON	2.0%	-.80*	TTL			0.0	5.0	250m	Comp	0	70	1	L0100	M294q
27	7477PC	4	D	35n%	MON	2.0%	-.80*	TTL			0.0	5.0	250m	Comp	0	70	1	L0100	M591
28	93L14FC	4	D,R/S	45n§	MON	1.8%	-.85*	TTL	14m	.45	0.0	5.0	50m†	Multimode	0	75	1	L0033	FP103
29	F10175FC	5	D	4.3n	MON	-96%	-1.6*†	ECT	20m	-.96	5.2	0.0	504m%	Quint Latch	0	75	1	L0078	FP103
30	F10175PC	5	D	4.3n	MON	-96%	-1.6*†	ECT	20m	-.96	5.2	0.0	504m%	Quint Latch	0	75	1	L0078	M562
31#	MIC54118J	6	R/S	29n	MON	2.0%	-.80	TTL	16m	.40	0.0	5.0	150m†		-55	125	1	L0057	M153g
32#	MIC74118J	6	R/S	29n	MON	2.0%	-.80	TTL	16m	.40	0.0	5.0	150m†		0	75	1	L0057	M153g
33#	MIC74118N	6	R/S	29n	MON	2.0%	-.80	TTL	16m	.40	0.0	5.0	150m†		0	75	1	L0057	M117ab
34	34099DC	8	D	35n§	MOS	10.5%	4.5*	CMS	3.6m	.50	0.0	15	2.0m%	Addressable	-40	85	1	L0046	M561
35	34099DM	8	D	35n§	MOS	10.5%	4.5*	CMS	3.6m	.50	0.0	15	300u%	Addressable	-55	125	1	L0046	M561
36	34099FC	8	D	35n§	MOS	10.5%	4.5*	CMS	3.6m	.50	0.0	15	2.0m%	Addressable	-40	85	1	L0046	FP103
37	34099FM	8	D	35n§	MOS	10.5%	4.5*	CMS	3.6m	.50	0.0	15	300u%	Addressable	-55	125	1	L0046	FP103
38	34099PC	8	D	35n§	MOS	10.5%	4.5*	CMS	3.6m	.50	0.0	15	2.0m%	Addressable	-40	85	1	L0046	M562
39	CD4099BK	8	D	150n	MOS	9.95%	.05*†	CMS	1.3m	.50	0.0	10	100u%	ADDR	-55	125	1	L0028	Δ004AG
40	67S373N	8	D	13n	MON	2.0%	-.80*	TTL	32m	.50	0.0	5.0	800m	Non-Invert	0	70	1	L0061	M599
41	67S380N	8	D	13n	MON	2.0%	-.80*	TTL	20m	.50	0.0	5.0	800m	Invert	0	70	1	L0091	M599
42	67S382N	8	D	13n	MON	2.0%	-.80*	TTL	32m	.50	0.0	5.0	800m	Invert	0	70	1	L0091	M599
43	67LS380N	8	D	18n	MON	2.0%	-.80*	TTL	20m	.50	0.0	5.0	200m	Invert	0	70	1	L0091	M599
44	SN54S373J#	8	D	18n	MON	2.0%	-.80*	TTL			0.0	5.0		Buffered In	-55	125	8	L0061	M581
45	SN54S412J	8	D	27n	MON	2.0%	-.85*	TTL	20m	.50	0.0	5.0	410m†	Multimode	-55	125	1	L0062	Δ015AA
46	9LS259DC	8	D	28n§	MON	2.0%	-.80*	TTL			0.0	5.0	70m†	Addressable	0	75	1	L0034	M561
47	9LS259DM	8	D	28n§	MON	2.0%	-.70*	TTL			0.0	5.0	70m†	Addressable	-55	125	1	L0034	M561
48	9LS259FC	8	D	28n§	MON	2.0%	-.80*	TTL			0.0	5.0	70m†	Addressable	0	75	1	L0034	FP103
49	9LS259FM	8	D	28n§	MON	2.0%	-.70*	TTL			0.0	5.0	70m†	Addressable	-55	125	1	L0034	FP103
50	9LS259PC	8	D	28n§	MON	2.0%	-.80*	TTL			0.0	5.0	70m†	Addressable	0	75	1	L0034	M562
51	9334FC	8	D	28n§	MON	2.0%	-.80*	TTL			0.0	5.0	280m†	Addressable	0	75	1	L0034	FP103
52	74LS259FC	8	D	30n	MON	2.0%	-.80*	TTL	8.0m	.50	0.0	5.0	180m	Addressable	0	70	1	L0034	FP103
53	74LS573PC	8	D	36n	MON	2.0%	-.80*	TTL	8.0m	.50	0.0	5.0	200m	Transparent	0	70	1	L0069	M582
54	SN54LS363J	8	D	36n	MON	2.0%	-.70*	TTL	12m	.40	0.0	5.0	350m%	Buffered In	-55	125	1	L0060	M∅
55	SN74LS363J	8	D	36n	MON	2.0%	-.80*	TTL	12m	.40	0.0	5.0	200m%	Buffered In	0	70	1	L0061	M∅
56	SN74LS363N	8	D	36n	MON	2.0%	-.80*	TTL	12m	.40	0.0	5.0	200m%	Buffered In	0	70	1	L0061	M566
57	93L34FC	8	D	37n§	MON	2.0%	-.80*	TTL			0.0	5.0	70m†	Addressable	0	75	1	L0034	FP103

DIGITAL

27. SPECIAL DEVICES

IN ORDER OF: (1)TYPE CODE (2)TYPE NUMBER

DIGITAL

LINE No.	TYPE No.	1 TYPE CODE	MAX. FREQ. (Hz)	PRO-CESS	LOGIC LEVEL		POWER SUPPLY SPAN		MAX. TOTAL PKG. DISS. (W)	TEMP.		DESCRIPTION	DRAWINGS	
					'1' (V)	'0' (V)	NEG (V)	POS (V)		LOW °C	HI °C		LOGIC DWG.No.	OUTLINE DWG.No. Δ = MO
1	25LS170J	1		MON	2.0%	0.7*	0.0	5.0	125m	T7		4 x 4 Register w/Open Collector Outputs	K016	
2	25LS170W	1		MON	2.0%	.70*	0.0	5.0	125m	T7		4x4 Register w/Open Collector Outputs	K016	
3	25LS670J	1		MON	2.0%	.70*	0.0	5.0	150m	T7		4x4 Register w/3-State Outputs	K016	
4	25LS670W	1		MON	2.0%	0.7*	0.0	5.0	150m	T7		4 x 4 Register w/3-State Outputs	K016	
5	3800-4-6H	1	300k	MOS	-10%	-2.0*	27	0.0	180m†	-55	85	8 Bit Parallel Accumulator		M132
6	3800-9-6H	1	300k	MOS	-10%	-2.0*	27	0.0	180m†	0	70	8 Bit Parallel Accumulator		M132
7	CTI100P12DSQ	1	100k†	3DM			0.0	12	400m	0	55	Core Transistor Input Element		M18c
8	CTI100P/N24LDSQ	1	100k†	3DM			0.0	24	625m	100		Core Transistor Input Element		M18d
9	CTI250P12DSQ	1	250k†	3DM			0.0	12	500m	55		Core Transistor Input Element		M18c
10	CTI250P/N24LDSQ	1	250k†	3DM			0.0	24	750m	100		Core Transistor Input Element		M18d
11	CTL100N312SQ	1	100k†	3DM			0.0	12	140m	55		Univ Magnetic Core Logic Elements		M18e
12	CTL100N3124LSQ	1	100k†	3DM			0.0	24	280m	125		Univ Magnetic Core Logic Elements		M18b
13	CTL100P312SQ	1	100k†	3DM			0.0	12	140m	55		Univ Magnetic Core Logic Elements		M18e
14	CTL100P3124LSQ	1	100k†	3DM			0.0	24	280m	125		Univ Magnetic Core Logic Elements		M18b
15	CTL100P/N12SQ	1	100k†	3DM			0.0	12	140m	55		Univ Magnetic Core Logic Elements		M18e
16	CTL100P/N124LSQ	1	100k†	3DM			0.0	24	280m	125		Univ Magnetic Core Logic Elements		M18b
17	CTL100P/N24LSQ	1	100k†	3DM			0.0	24	280m	125		Univ Magnetic Core Logic Elements		M18b
18	CTL100P/N24PB	1	100k†	3DM			0.0	24	150m	125		Univ Magnetic Core Logic Elements		M18e
19	CTL250N312SQ	1	250k†	3DM			0.0	12	250m	55		Univ Magnetic Core Logic Elements		M18e
20	CTL250P312SQ	1	250k†	3DM			0.0	12	250m	55		Univ Magnetic Core Logic Elements		M18e
21	CTL250P3128PB	1	250k†	3DM			0.0	28	300m	100		Univ Magnetic Core Logic Elements		M18
22	CTL250P412S28MPB	1	250k†	3DM			0.0	28	300m	100		Univ Magnetic Core Logic Elements		M18f
23	CTL250P/N12SQ	1	250k†	3DM			0.0	12	250m	55		Univ Magnetic Core Logic Elements		M18e
24	CTL250P/N24LSQ	1	250k†	3DM			0.0	24	400m	125		Univ Magnetic Core Logic Elements		M18b
25	CTL250P/N28PB	1	250k†	3DM			0.0	28	300m	100		Univ Magnetic Core Logic Elements		M18
26	CTP5P12DSQ	1	5.0k†	3DM			0.0	12	840m	55		Core Transistor Logic Element		M18c
27	CTP5P24DSQ	1	5.0k†	3DM			0.0	24	1.5	100		Core Transistor Logic Element		M18c
28	RL60K	1		MON	3.5	.20†	0.0	5.0	80m	-55	125	4-Bit Storage Register;ton-16ns;toff-11ns		FP21b
29	RL61K	1		MON	3.5	.20†	0.0	5.0	80m	-55	125	4-Bit Storage Register;ton-16ns;toff-11ns		FP21b
30	RL62K	1		MON	3.5	.20†	0.0	5.0	80m	0	75	4-Bit Storage Register;ton-16ns;toff-11ns		FP21b
31	RL63K	1		MON	3.5	.20†	0.0	5.0	80m	0	75	4-Bit Storage Register;ton-16ns;toff-11ns		FP21b
32	RL70K	1		MON	3.5	.20†	0.0	5.0	120m	-55	125	4 Bit Storage Register;ton-16ns;toff-11ns		FP21b
33	RL71K	1		MON	3.5	.20†	0.0	5.0	120m	-55	125	4 Bit Storage Register;ton-16ns;toff-11ns		FP21b
34	RL72K	1		MON	3.5	.20†	0.0	5.0	120m	0	75	4 Bit Storage Register;ton-16ns;toff-11ns		FP21b
35	RL73K	1		MON	3.5	.20†	0.0	5.0	120m	0	75	4 Bit Storage Register;ton-16ns;toff-11ns		FP21b
36	TDL100-24LSQ	1	100k†	3DM			0.0	24		100		Core Logic Accessory		M18b
37#	ZN1002E	1			3.5	.20	0.0	5.25		0	70	Core Store Driver;pd 15ns;IC 65mA	K011	M210
38	4566BDC	2		MOS	11%	4.0*	0.0	15		-40	85	Industrial Time Base Generator	K0226	M561
39	4566BDM	2		MOS	11%	4.0*	0.0	15		-55	125	Industrial Time Base Generator	K0226	M561
40	4566BFC	2		MOS	11%	4.0*	0.0	15		-40	85	Industrial Time Base Generator	K0226	FP103
41	4566BFM	2		MOS	11%	4.0*	0.0	15		-55	125	Industrial Time Base Generator	K0226	FP103
42	4566BPC	2		MOS	11%	4.0*	0.0	15		-40	85	Industrial Time Base Generator	K0226	M562
43#	SAH190	2	1.5M	MOS			17	.30		-20	80	Twelve-Tone Generator For Electron Organ	K0217	TO96
44#	SAH220	2		MON			0.0	.12				Tone Generator For Musical Instruments	K0216	
45#	SAS201S2	2		MON		.40*	0.0	.27		0	70	Hall Effect Sw W/Dynamic Output		FP128
46#	SAS201S4	2		MON		.40*	0.0	.18		0	70	Hall Effect Sw W/Dynamic Output		FP128
47#	SAS211S2	2		MON		.40*	0.0	.27		0	70	Hall Effect Sw W/Static Output		FP128
48#	SAS211S4	2		MON		.40*	0.0	.18		0	70	Hall Effect Sw W/Static Output		FP128
49#	TAA790A	2					0.0	8.0		0	60	Controlled Pulse Generator For TV Sets		TO116
50#	TAA790B	2					0.0	8.0		0	60	Controlled Pulse Generator For TV Sets		M181
51	ULN3006S	2		MON	12	.40*†	0.0	12	144m†	-10	85	Hall Effect Digital Sensor	K0224	M578
52	ULN3006T	2		MON	16	.40†	0.0	16	192m	0	70	Hall Effect Switch	K0215	M540
53	ULS3006S	2		MON	12	.40*†	0.0	12	144m†	-55	125	Hall Effect Digital Sensor	K0224	M578
54	4850	3		3DM	2.0%	.80*	15	15	825m	-25	85	3 Mode Integrator,Track And Hold,SPDT SW	K034	M□
55	API1620	3								0	50	Angle Pos Indicator;Acc 0.01°		
56#	GFZ1200D	3	1.0MΔ	MOS	3.5%	1.5*	0.0	5.0		-40	85	Digital Voltmeter Circuit	K038	M316g
57	SAY115X	3	10k	MON	3.5	2.5	0.0	16	256m%	-40	85	Speedometer Ckt;5 Stage Divide By 32	K039	M509
58	SAY115Y	3	10k	MON	3.5	2.5	0.0	16	256m%	-40	85	Speedometer Ckt;6 Stage Divide By 64	K039	M509
59	74H87FC	4		MON	2.0%	.80*	0.0	5.0	270m†	0	70	4-Bit True/Complement Element	K043	FP21h
60	3102-4-5F	4		MOS	-9.0%	-2.0*	27	0.0	200m	-55	85	3 Input Gate Building Block	K0414	TO100
61	CD4048AK	4		MOS	10	0.0†	0.0	10	20u%	-55	125	CMOS Multi Function Exp 8 Input Gate	K0415	Δ004AG
62	N8261A	4		MON	2.6%	.40†	0.0	5.0	140m	0	75	Fast Carry Extender;Gate Array	K0410	M105q
63	NC74H87N	4		MON	2.0%	.80*	0.0	5.0	270m	0	70	4-Bit True/Complement Element	K043	TO116
64	S8261A	4		MON	2.6%	.40†	0.0	5.0	140m	-55	125	Fast Carry Extender;Gate Array	K0410	M105q
65	S8261F	4		MON	2.6%	.40†	0.0	5.0	140m	-55	125	Fast Carry Extender;Gate Array	K0410	M105r
66	S8261Q	4		MON	2.6%	.40†	0.0	5.0	140m	-55	125	Fast Carry Extender;Gate Array	K0410	TO88
67	SN54H87N	4		MON	2.0%	.80*	0.0	5.0	270m†	-55	125	4-Bit True/Complement Element	K043	M126
68	SN74H87W	4		MON	2.0%	.80*	0.0	5.0	270m†	0	70	4-Bit True/Complement Element	K043	TO84
69	SW74180J	4		MON	2.0%	.80*	0.0	5.25	294m†	0	70	TTL;tpd 40ns;Noise Rej 1.0V;FO 10	K045	M114
70	SW74180N	4		MON	2.0%	.80*	0.0	5.25	294m†	0	70	TTL;tpd 40ns;Noise Rej 1.0V;FO 10	K045	M105n
71#	TL74H87N	4		MON	2.0%	.80*	0.0	5.0	467m†	0	70	4 Bit True/Complement Element	K043	M126n
72	DV6000 #1	5	150k	3DM	4.5	0.0	0.0	15		0	70	Square Wave Clock	K0513	M469
73	DV6000 #2	5	150k	3DM	4.5	0.0	0.0	15		0	70	Square Wave One Shot	K0513	M469
74	S2555	5		MOS	-8.0%	-2.0*	15	0.0	700m	0	70	Top Octave Synthesizer	K0517	M505
75	S2555/S2556	5	2.1M	MOS	-8.0%	-2.0*	15	0.0	700m	0	70	Top Octave Synthesizer,2 Chip Set	K0526	M505
76	S2556	5		MOS	-8.0%	-2.0*	15	0.0	700m	0	70	Top Octave Synthesizer	K0518	M505
77	SAH215	5		MON	-6.0		18		4.0m§	-40	70	Telephone Push-Button Dialing IC	K0516	CN18b
78#	SAK115	5	10k	MON			0.0	8.0		-25	65	Pulse Shaper For Rev Counter For Cars		M198
79	SCL1006	5		3DM	2.4%	.40*	15	15	1.0 †	0	70	Clock Module;16 x Bit Rate		M379a
80#	UAA1001	5		MON			0.0	220		0	100	Sensor Light Switch w/Dimming Facility		M266
81	CTD100N24DSQ	6	100k†	3DM	-10	0.0	0.0	24	1.2	100	Magnetic Shaper-Driver	K0611	M18c	
82	CTD100N24LDSQ	6	100k†	3DM	-10	0.0	0.0	24	1.2	100	Magnetic Shaper-Driver	K0611	M18d	
83	CTD100P6DSQ	6	100k†	3DM	-5.0	0.0	0.0	6.0	500m	55		Magnetic Shaper-Driver	K0611	M18c
84	CTD100P12DSQ	6	100k†	3DM	-10	0.0	0.0	12	750m	55		Magnetic Shaper-Driver	K0611	M18c
85	CTD100P12SDSQ	6	100k†	3DM	-10	0.0	0.0	12	610m	100		Magnetic Shaper-Driver	K0611	M18c
86	CTD100P12SLDSQ	6	100k†	3DM	-10	0.0	0.0	12	610m	100		Magnetic Shaper-Driver	K0611	M18d
87	CTD250N24LDSQ	6	250k†	3DM	-10	0.0	0.0	24	1.5	100	Magnetic Shaper-Driver	K0611	M18d	
88	CTD500N24DSQ	6	500k†	3DM	-10	0.0	0.0	24	1.5	100	Magnetic Shaper-Driver	K0611	M18c	
89	CTD500N24LDSQ	6	500k†	3DM	-10	0.0	0.0	24	1.5	100	Magnetic Shaper-Driver	K0611	M18d	
90	CTD500P12DSQ	6	500k†	3DM	-10	0.0	0.0	12	1.2	55		Magnetic Shaper-Driver	K0611	M18c
91	CTD500P12SDSQ	6	500k†	3DM	-10	0.0	0.0	12	1.2	100		Magnetic Shaper-Driver	K0611	M18c
92	CTD750P12DSQ	6	750k†	3DM	-10	0.0	12	1.2	1.8	55		Magnetic Shaper-Driver	K0611	M18c
93	MC304F	6		MON	-7.5	-1.6†	5.2	0.0	18m†	-55	125	Bias Driver;Fan Out 25;ECT Logic		TO91
94	MC304G	6		MON	-7.5	-1.6†	5.2	0.0	18m†	-55	125	Bias Driver;Fan Out 25;ECT Logic		CN9
95	MC354F	6		MON	-7.5	-1.6†	5.2	0.0	18m†	0	75	Bias Driver;Fan Out 25;ECT Logic		TO91
96	MC354G	6		MON	-7.5	-1.6†	5.2	0.0	18m†	0	75	Bias Driver;Fan Out 25;ECT Logic		CN9
97	N8243P	6		MON		.40†	0.0	5.0	500m	0	75	8 Bit Position Scaler;Prop Delay 20ns	K067	FP49
98	N8243Y	6		MON		.40†	0.0	5.0	500m	0	75	8 Bit Position Scaler	K067	M237
99	S8243N	6		MON		.40*†	0.0	5.0	500m	-55	125	8 Bit Position Scaler	K067	M237
100	S8243P	6		MON		.40†	0.0	5.0	500m	-55	125	8 Bit Position Scaler;Prop Delay 20ns	K067	FP5

27. SPECIAL DEVICES

IN ORDER OF: (1)TYPE CODE (2)TYPE NUMBER

LINE No.	TYPE No.	1 TYPE CODE	MAX. FREQ. (Hz)	PRO-CESS	LOGIC LEVEL		POWER SUPPLY SPAN		MAX. TOTAL PKG. DISS. (W)	TEMP.		DESCRIPTION	DRAWINGS	
					'1' (V)	'0' (V)	NEG (V)	POS (V)		LOW °C	HI °C		LOGIC DWG.No.	OUTLINE DWG.No.
1#	GZF1202	7		MON	3.5%	1.5*	0.0	5.0	500n	-40	85	Coder/Decoder For Error Detection	K072	
2#	ZNPCMICE	7	4.0M%	MON	2.5%	.80*	0.0	5.0	550m	0	70	Single Channel Code I.C. K	K07-6	M237a
3	S2144	8	57kΔ	MOS	.80%	-4.6*	6.2	0.0	87m	0	45	Calculator; 8 Digit Capacity	K0815	M506
4	S9411	8		MOS	2.0%	-3.0*	15	0.0		0	55	Calculator	K084	M478b
5	S9412A	8		MOS	1.8%	-4.6*	15	0.0	160m	0	70	Calculator	K084	M480a
6	S9412B	8		MOS	1.8%	-4.6*	15	0.0	160m	0	70	Calculator	K084	M480a
7	S9412C	8		MOS	1.8%	-4.6*	15	0.0	160m	0	70	Calculator	K084	M480a
8	S9414A	8		MOS	1.8%	-4.6*	15	0.0	160m	0	70	Calculator	K085	M480a
9	S9414B	8		MOS	1.8%	-4.6*	15	0.0	160m	0	70	Calculator	K085	M480a
10	S9510	8		MOS	1.7%	-4.8*	14	0.0	160m	0	55	Calculator	K082	M480a
11	S9510/S9511	8		MOS	1.7%	-4.8*	14	0.0	185m	0	55	Calculator;12 Digit Cap;2 Chip Set	K0816	M480b
12	S9511	8		MOS	1.7%	-4.8*	14	0.0	185m	0	55	Calculator	K083	M480a
13	S9650	8		MOS	1.7%	-4.8*	15	0.0	160m	0	55	Calculator	K082	
14	S9650/S9511	8		MOS	1.7%	-4.8*	15	0.0	185m	0	55	Calculator; 12 Digit Cap; 2 Chip Set	K0816	M480b
15	S9651	8		MOS	1.7%	-4.6*	15	0.0	160m	0	70	Calculator	K086	M480a
16	DF211DICE	9	32k	MOS	1.5%	.80*	0.0	3.0	30u%	-35	70	LED Watch Chip,MUX 4 Digit,D.Hr,Mn,S	K098	CH78
17	DF213CJ	9	3.2M	MOS	3.5	.30	14	5.0	625m	0	70	Mins,Secs,Sports Dig. Stopwatch	K097	M478a
18	DF214CJ	9	3.2M	MOS	3.5	.30	14	5.0	625m	0	70	Decimal,Mins,Industrial Dig Stopwatch	K097a	M478a
19	DQX03A	9	10k	TFH			0.0	6.0	9.0m	-40	85	Crystal Osc Repeat Cycle Timer		CN77
20	DQX03B	9	10k	TFH			0.0	6.0	9.0m	-40	85	Crystal Osc Repeat Cycle Timer		CN77
21#	HD38980	9	10k	MOS	1.0	-.12	18	0.0	145m%	-20	75	Dig Clock W/Fluoresent Display Driver	K0931	M620
22#	HD38991	9	10k	MOS	1.0	-.12	18	0.0	145m%	-20	75	Dig Clock With LED Display Driver	K0931	M620
23#	HD43880	9	4.2M	MOS	1.5	0.0†	0.0	1.5	45u†	-20	75	Analog Clock:4MHz Counter,Driver	K0932a	M621
24#	HD431115	9	4.2M	MOS	1.5	0.0†	0.0	1.5	45u†	-20	75	Analog Clock:4MHz Counter,Driver	K0932	M621
25	ICM7200A1LG	9	32k	MOS			0.0	3.1	31u	-10	60	A-N Day/Date LED Watch Circuit	K0945	CH124
26	ICM7202A1LG	9	32k	MOS			0.0	3.1	31u	-10	60	w/Perp Cal LED Watch Circuit	K0945	CH124
27	LQX03	9	300k	TFH			0.0	6.0	9.0m	-40	85	Crystal Osc Repeat Cycle Timer		CN77
28	LQX03A	9	300k	TFH			0.0	6.0	9.0m	-40	85	Crystal Osc Repeat Cycle Timer		CN77
29	LQX03B	9	300k	TFH			0.0	6.0	9.0m	-40	85	Crystal Osc Repeat Cycle Timer		CN77
30#	MN6076L	9	10k	MOS	1.0	-.11	12	0.0	15m	-10	70	DIG AC Clock Timer	K0948	M641
31#	MNG076L	9	10k	MOS	1.0	-.11	12	0.0	15m	-10	70	DIG AC Clock Timer	K0948	M641
32	S1400	9		MOS	0.0	-7.5	7.5	0.0		-10	70	LCD Watch Divider/Driver	K0912	CH80
33	S1401	9		MOS	0.0	-7.5	7.5	0.0		-10	70	LCD Watch Divider/Driver	K0912	CH80
34	S1402	9		MOS	0.0	-7.5	7.5	0.0		-10	70	LCD Watch Divider/Driver	K0912a	M579
35	S1403	9		MOS	0.0	-7.5	7.5	0.0		-10	70	LCD Watch Divider/Driver	K0912	FP135
36	S1404	9		MOS	0.0	-7.5	7.5	0.0		-10	70	LCD Watch Divider/Driver	K0912	CH81
37	S1410	9		MOS	0.0	-3.2	3.2	0.0		-10	70	LCD Time Date Second Watch Ckt	K0913	CH□
38	S1998	9		MOS	7.0%	1.0*	0.0	8.0		0	70	Digital Alarm Clock	K0915	M579
39#	SAA3100	9	4.2M	MOS			0.0	1.6	192u	-10	60	Ckt for H.F. Crystall Clocks W/Alarm	K0922	M266k
40#	SAF1055	9	4.2M	MOS			0.0	12	36m	-45	85	Quartz Clock and Pulse Gen Ckt	K0924	M588
41#	SAJ300N	9	4.2M	MOS			0.0	12	300m	-45	85	4.2 MHz Quartz Clock IC,fo 1.0Hz		TO116
42#	SAJ300S	9	4.2M	MOS			0.0	12	300m	-45	85	4.2 MHz Quartz Clock IC,fo 1.0Hz		TO116
43	SY5001	9	32k	MOS	1.00	-1.4†	1.5	0.0	7.0u	-20	60	LCD Watch Ckt:Hr,M,S,Mon,Date,Day,L Year	K0919	CH106
44	SY5002	9	32k	MOS			3.2	0.0		-20	60	LED Watch Ckt:Hr,M,S,Mon,Date,Day,L Year	K0920	CH107
45	SY5008	9	32k	MOS	1.5	0.0	1.5	0.0	4.8u	-20	60	Freq Divider and Motor Drive for Watch	K0921	CH108
46	SY5009A	9		MOS	0.0	-3.0	1.5	0.0	8.0u			6 Dig LCD Watch Ckt;Stopwatch,Event Count		CH109
47#	UAA1007	9		MON			0.0	1.5	420m	-10	60	Alarm Clock IC		M266
48	UCN4501C	9		MOS			10	0.0		-25	80	Dec/Dri for LCD Watch	K0911	CH□
49	UCN4501F	9		MOS			10	0.0		-25	80	Dec/Dri for LCD Watch	K0911	FP134
50	2929-18	11	10k	MOS	2.0%	.80*	5.0	5.0	1.5	0	70	PROCESSOR,Signal;Tcyc(Inst)800ns	K11-1	M□

DIGITAL

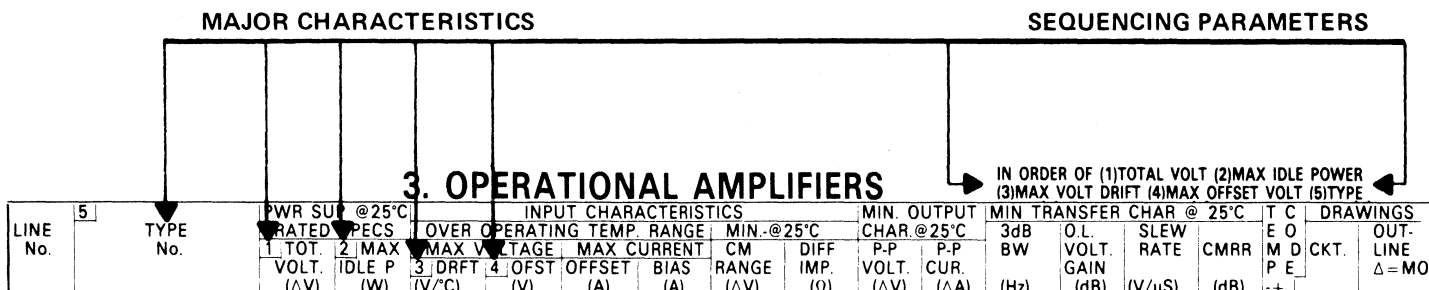
2 – LINEAR DISCONTINUED DEVICES

HOW TYPE NUMBERS ARE SEQUENCED IN THE TYPE NUMBER CROSS INDEX

Sequencing of type numbers in the Type Number Cross-Index is governed by the following rules:	EXAMPLES
Rules: 1) Type numbers are listed in numeric-alphabetic sequence; i.e., type numbers beginning with a number (decimal, fraction, or whole) precede type numbers beginning with a letter.	13A01 143 1202 A147 AN127 B2000
2) Decimals and fractions precede whole numbers. An equivalent decimal precedes the fraction when the remainder of type number is identical.	25Z150 1/4Z150 3/4M12Z 1T3
3) Zeros are ignored in sequencing except when the zero is the only basis for distinguishing one type number from another. In this case the type number containing the zero is listed first.	0112 112 0113 00115 AP01 AP1 AP02
4) Number and/or letter groupings preceding hyphens or slashes are the controlling factors in sequencing. The hyphens and slashes themselves precede any identically positioned letters also having the same beginning number/letter groupings.	66-0706 66M1 70/10 70A9

HOW TYPE NOS. ARE ARRANGED IN THE TECHNICAL SECTION – SEQUENCING PARAMETERS

The arrangement of types in the technical sections is keyed to a set of special characteristics selected for their importance from among the general group of characteristics tabulated in each section. These selected characteristics, or sequencing parameters, differ from one section to another, and are identified at the top corner of each page, as shown in the sample below.



The different types within a section are first arranged in ascending numeric (or alphabetic) order of the first such parameter. Groups of types having a common value for the first parameter are then arranged in ascending order of the second parameter. This process continues for each parameter in turn, up to and including the last parameter which, in every instance, is the type number itself. The final arrangement, by type number, is done in accordance with the sequencing of type numbers in the cross-index.

**INTERPRETER
SYMBOL & CODES
TYPE No. CROSS INDEX & TECHNICAL SECTIONS**

- ⊠ } Indicators of separate manufacturers producing same type number (non-JEDEC), whose characteristics are not the same.
- △ } This manufacturer-identifying symbol (assigned by D.A.T.A.) is an integral part of the type number (in Type No. Cross Index, Technical Data Sections) to avoid the possibility of confusing the devices of one manufacturer with the devices of others.
- ‰ }

#1, #2, : Device has two or more modes of operation – listed on separate lines in the same technical section.
 - RT: Suffix indicates device is a replacement type; consult manufacturer.

SYMBOLS & CODES COMMON TO ALL TECHNICAL SECTIONS

LINE No.	OPERATING TEMP. RANGE CODE	TYPE No.				
<ul style="list-style-type: none"> ▼ – New Type ◆ – Revised Specification # – Non-JEDEC type Manufactured outside U.S.A. 	<p>0 – 0 up to 10°C</p> <p>1 – 10 up to 20°C</p> <p>2 – 20 up to 30°C</p> <p>3 – 30 up to 40°C</p> <p>4 – 40 up to 50°C</p> <p>5 – 50 up to 60°C</p> <p>6 – 60 up to 70°C</p> <p>7 – 70 up to 80°C</p> <p>8 – 80 up to 90°C</p> <p>9 – 90 up to 100°C</p> <p>A – 100 up to 110°C</p> <p>B – 110 up to 120°C</p> <p>C – 120 up to 130°C</p> <p>D – 130 up to 140°C</p> <p>E – 140 up to 150°C</p> <p>F – 150 up to 160°C</p> <p>G – 160 up to 170°C</p> <p>H – 170 up to 180°C</p>	<ul style="list-style-type: none"> ▼ – Custom circuit § – Device has two or more modes of operation – listed in separate technical sections * – Device contains two or more identical or matched circuits ∅ – Dual comparators (Sect. 9 only) † – Programmable op-amp characteristics given for highest specified bias current (Sect. 3 only) § – Chopper stabilized (Sect. 3 & 4 only) ◆ – Audio driver: one or more characteristics apply for overall system (Sect. 5 only) – Optically coupled 				
<p>OUTLINE DRAWINGS</p> <ul style="list-style-type: none"> * __-: Dual in line package style * __ T: Dual in line package style - with mounting tab CB: Printed circuit board CH: Chip package CN: Can type - non-JEDEC outline FP: Flat pack - non-JEDEC outline MT: Mounting tab outline MP: Molded or encapsulated package not included in other categories TO: Outline in accordance with JEDEC registration 	<p>\$ Both values of temp. are pos. Max. value only is indicated.</p> <p>Examples Of Operating Temp. Range Code:</p> <p style="text-align: center;">5 C</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 2px;">Min. value lies between -50° and -60°</td> <td style="padding: 2px;">Max. value lies between +120°C and +130°C</td> </tr> </table> <p style="text-align: center;">OR</p> <p style="text-align: center;">\$ 8</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 2px;">Both values of temp. are pos. Max. value only as indicated.</td> <td style="padding: 2px;">Max. value lies between +80° and +90°C</td> </tr> </table> <p>J – 180 up to 190°C</p> <p>K – 190 up to 200°C</p> <p>M – 200°C and ABOVE</p>	Min. value lies between -50° and -60°	Max. value lies between +120°C and +130°C	Both values of temp. are pos. Max. value only as indicated.	Max. value lies between +80° and +90°C	
Min. value lies between -50° and -60°	Max. value lies between +120°C and +130°C					
Both values of temp. are pos. Max. value only as indicated.	Max. value lies between +80° and +90°C					
	<p>OCT: Octal plug-in (no dwg. shown)</p> <p>△: MO outline in accordance with JEDEC registration</p> <p>⊠: Package style - actual dimensions not specified</p>	<p>* No. before – and T indicates no. of pins (Ex: 4-1, 4 pin Dual in line)</p> <p>(Ex: 4T1, 4 pin Dual in line with mounting tab)</p>				

3. OPERATIONAL AMPLIFIERS 4. DIFFERENTIAL AMPLIFIERS IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	TYPE No.	PWR SUP @25°C		INPUT CHARACTERISTICS					MIN. OUTPUT CHAR. @25°C		MIN TRANSFER CHAR @ 25°C			T C DRAWINGS		
		1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	3 MAX VOLTAGE DRIFT (V/°C)	4 MAX VOLTAGE OFFSET (V)	5 MAX CURRENT (A)	CM RANGE (ΔV)	DIFF IMP. (Ω)	P.P. VOLT. (ΔV)	P.P. CUR. (ΔA)	3dB BW (Hz)	OL VOLT. GAIN (dB)	SLEW RATE (V/μS)	CMRR (dB)	M D P E	OUT. LINE Δ=MO
3	◆															
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
16																

- | | | | |
|--|--|--|---|
| <p>3 † – Typical
 △ – Max. Volt.
 ◆ – One or more characteristics not at rated supply voltage
 § – Value not symmetrical about zero
 * – ± Volt. range</p> <p>4 † – Typical
 * – Minimum
 ⊠ – Absolute Max.
 △ – Max Power Diss.
 § – Pkg Power Diss.</p> <p>• SEE SYMBOLS AND CODES COMMON TO ALL TECHNICAL SECTIONS</p> <p>◆ TYPE NO. SYMBOLS AND CODES AT TOP OF INTERPRETER CARD</p> | <p>5 † – Typical
 § – 25°C
 ⊠ – Over limited temperature range</p> <p>6 † – Typical
 § – 25°C
 △ – Adjustable to zero
 ⊠ – Over limited temperature range
 * – ± Volt Range</p> <p>7 † – Typical
 8 § – 25°C
 ⊠ – Over limited temperature range</p> | <p>9 * – ± Volt. range
 † – Typical
 △ – Max. safe operating range
 ⊠ – Value not symmetrical about zero
 SE – Single-ended input over operating temp. range</p> <p>10 ∅ – Single-ended input impedance
 † – Typical
 § – Common mode</p> <p>11 † – Typical
 § – Value is not symmetrical about zero
 ∅ – Over oper. temp. range</p> <p>12 † – Typical
 ∅ – Load impedance (ohms) corresponding to output volt. swing
 ◆ – No load</p> | <p>13 † – Typical
 ∅ – Unity gain BW
 § – Gain BW Product
 △ – BW less than 3dB
 ⊠ – Power bandwidth
 * – Adjustable by external connection or control</p> <p>14 § – Large Signal Av (V/mv)
 † – Typical
 ∅ – Over oper. temp. range
 * – Adjustable by external connection or control
 △ – V/mv</p> <p>15 † – Typical
 ∅ – Full power BW (kHz)
 ⊠ – Full Power BW (MHZ)</p> <p>16 † – Typical
 ∅ – Over Oper. Temp. Range
 △ – Power Supply Rej. Ratio</p> |
|--|--|--|---|

INTERPRETER
SYMBOL & CODES

SYMBOLS & CODES COMMON TO ALL TECHNICAL SECTIONS

LINE No.	OPERATING TEMP. RANGE CODE	TYPE No.				
<ul style="list-style-type: none"> ▼ - New Type ◆ - Revised Specification # - Non-JEDEC type Manufactured outside U.S.A. 	<p>0 - 0 up to 10°C</p> <p>1 - 10 up to 20°C</p> <p>2 - 20 up to 30°C</p> <p>3 - 30 up to 40°C</p> <p>4 - 40 up to 50°C</p> <p>5 - 50 up to 60°C</p> <p>6 - 60 up to 70°C</p> <p>7 - 70 up to 80°C</p> <p>8 - 80 up to 90°C</p> <p>9 - 90 up to 100°C</p> <p>A - 100 up to 110°C</p> <p>B - 110 up to 120°C</p> <p>C - 120 up to 130°C</p> <p>D - 130 up to 140°C</p> <p>E - 140 up to 150°C</p> <p>F - 150 up to 160°C</p> <p>G - 160 up to 170°C</p> <p>H - 170 up to 180°C</p>	<ul style="list-style-type: none"> ▼ - Custom circuit § - Device has two or more modes of operation - listed in separate technical sections * - Device contains two or more identical or matched circuits ∅ - Dual comparators (Sect. 9 only) † - Programmable op-amp characteristics given for highest specified bias current (Sect. 3 only) § - Chopper stabilized (Sect. 3 & 4 only) ◆ - Audio driver: one or more characteristics apply for overall system (Sect. 5 only) # - Optically coupled 				
<p>OUTLINE DRAWINGS</p> <ul style="list-style-type: none"> * __ - Dual in line package style * __ T: Dual in line package style - with mounting tab CB: Printed circuit board CH: Chip package CN: Can type - non-JEDEC outline FP: Flat pack - non-JEDEC outline MT: Mounting tab outline MP: Molded or encapsulated package not included in other categories TO: Outline in accordance with JEDEC registration 	<p>\$ Both values of temp. are pos. Max. value only is indicated.</p> <p>Examples Of Operating Temp. Range Code:</p> <p style="text-align: center;">5 C</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Min. value lies between -50° and -60°</td> <td>Max. value lies between +120°C and +130°C</td> </tr> </table> <p style="text-align: center;">OR</p> <p style="text-align: center;">\$ 8</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Both values of temp. are pos. Max. value only as indicated.</td> <td>Max. value lies between +80° and +90°C</td> </tr> </table> <p>J - 180 up to 190°C</p> <p>K - 190 up to 200°C</p> <p>M - 200°C and ABOVE</p>	Min. value lies between -50° and -60°	Max. value lies between +120°C and +130°C	Both values of temp. are pos. Max. value only as indicated.	Max. value lies between +80° and +90°C	
Min. value lies between -50° and -60°	Max. value lies between +120°C and +130°C					
Both values of temp. are pos. Max. value only as indicated.	Max. value lies between +80° and +90°C					
	<p>OCT: Octal plug-in (no dwg. shown)</p> <p>△: MO outline in accordance with JEDEC registration</p> <p>⊠: Package style - actual dimensions not specified</p>	<p>* No. before - and T indicates no. of pins (Ex: 4-1, 4 pin Dual in line)</p> <p>(Ex: 4T1, 4 pin Dual in line with mounting tab)</p>				

5. AUDIO AMPLIFIERS

IN ORDER OF (1) TOT VOLT (2) MAX IDLE POWER (3)MIN UPPER 3dB BW (4)MIN VOLT GAIN (5)TYPE

LINE No.	TYPE No.	TRANSFER CHARACTERISTICS @25°C										OUTPUT CHAR. @25°C					T C	DRAWINGS				
		PWR SUP@25°C RATED SPECS		3dB BANDWIDTH		MIN. MAX. VOLT. GAIN		NOISE FIGURE		MAX. THD		ΔTEMP GAIN VAR.		MIN. MAX. RESIST		MIN. MAX. POWER			LOAD RES.			
		1. TOT VOLT (ΔV)	2. MAX IDLE P (W)	3. MIN. UPPER (Hz)	4. MAX. LOWER (Hz)	5. VOLT. GAIN (dB)	6. NOISE (dB)	7. MAX. THD (%)	8. ΔTEMP (dB)	9. MIN. RESIST (Ω)	10. MAX. P-P (ΔV)	11. MAX. RESIST (Ω)	12. MIN. P-P (ΔV)	13. MIN. POWER (W)	14. MAX. POWER (W)	15. LOAD RES. (Ω)	E	O	M	D	CKT. LINE	OUT- Δ=MO
5		3	4	5	6	7	8	9	10	11	12	13	14	15								

- 3** ◆ - One or more Characteristics not rated at supply voltage
- § - Value not symmetrical about zero
- † - Typical
- 4** △ - Max. power diss.
- † - Typical
- * - Minimum
- ⊠ - Absolute max. power dissipation
- § - Pkg. power diss.
- 5** § - Useful frequency range
- § - Bandwidth 3dB
- - Full power bandwidth
- Unity gain bandwidth
- † - Typical
- ◆ - Test frequency
- 6** † - Typical
- 7** † - Typical
- △ - Power gain
- % - Current gain
- § - Differential volt. gain
- * - Gain adjustable by external connection or control
- ∅ - Open loop volt. gain
- 8** † - Typical
- § - Max. signal to noise ratio
- * - Max equivalent input noise (μV rms)
- ∅ - Max equivalent input noise (dBm)
- △ - Max. equivalent output noise (dBm)
- § - Max equivalent input noise (nV/√Hz)
- * - Max. equivalent output noise voltage
- 9** † - Typical
- ◆ - Measured at less than rated output power
- 10** † - Typical
- ∅ - Gain variation temperature coefficient (dB/°C)
- 11** † - Typical
- △ - Differential input
- 12** * - Minimum range for linear output
- ◆ - Input voltage at less than rated power RMS
- △ - RMS
- † - Typical
- 13** † - Typical
- △ - Voltage level limited output
- 14** † - Typical
- § - Voltage level limited output
- 15** † - Typical
- % - Output current swing (ΔmA)
- ◆ - Measured at higher than rated THD
- △ - Per channel

• SEE SYMBOLS AND CODES COMMON TO ALL TECHNICAL SECTIONS

◆ TYPE NO. SYMBOLS AND CODES AT TOP OF FIRST INTERPRETER CARD

INTERPRETER SYMBOL & CODES

6. RF/IF AMPLIFIERS

IN ORDER OF (1) TOT VOLT (2) MAX IDLE POWER
(3) POWER GAIN (4) UNTUNED 3dB BW (5) TYPE No.

LINE No.	TYPE No.	PWR SUP @ 25°C		MIN TRANSFER CHARACTERISTICS @ 25°C					INPUT CHAR @ 25°C			OUTPUT CHAR @ 25°C			T C	DRAWINGS				
		RATED SPECS		3 PWR GAIN @	4 UN-	Y21	Y12	MAX. NF	MIN. VOLT. P.P.	MAX. COND.	MAX. CAP.	MIN. VOLT. P.P.	MIN. COND.	MAX. CAP.			E O	M D	CKT. P E	OUT-LINE Δ=MO
		1 TOT VOLT (ΔV)	2 MAX IDLE P (W)	3 SOURCE & LOAD SPEC (dB)	TUNED 3dB BW (Hz)															
•	♦	3	4	5	7	8	9	10	11	12	13	14	15	16	•	•				

3 ♦ - One or more specs. are not rated at supply voltage
§ - Value not symmetrical about zero

4 † - Typical
* - Minimum
☐ - Absolute max. power dissipation
Δ - Max. power dissipation
§ - Pkg power dissipation

5 Δ - Max available power gain
* - Voltage gain
§ - Current gain
§ - AGC available
† - Typical
♦ - Load other than 50 ohm
∅ - AGC threshold vs. freq. (-μVrms)

7 † - Typical
♦ - Usable freq. range

8 † - Typical
* - Voltage gain (dB)

9 † - Typical
% - Reverse transfer capacitance (pF)
∅ - Reverse current transfer ratio (G12)

10 † - Typical
Δ - S/N ratio (dB)

11 † - Typical
Δ - Absolute safe Max.
☐ - Typical input power at saturation

12 † - Typical
Δ - Differential input

13 14 Δ - Output current (A) P/F
† - Typical
☐ - Maximum
* - RMS

15 † - Typical
Δ - Differential output

† - Typical
♦ - Typical susceptibility (mhos)

7. WIDEBAND AMPLIFIERS

IN ORDER OF (1) TOT VOLT (2) MAX IDLE POWER
(3) MIN UPPER 3dB BW (4) MIN VOLT GAIN (5) TYPE

LINE No.	TYPE No.	PWR SUP @ 25°C		TRANSFER CHARACTERISTICS @ 25°C					INPUT CHAR. @ 25°C			OUTPUT CHAR. @ 25°C			T C	DRAWINGS			
		RATED SPECS		3dB BW	4 MIN. VOLTAGE	MAX. NOISE	MAX. THD	MIN. RESIST (Ω)	MAX. P.P. VOLTS (ΔV)	RESIST (Ω)	MIN. VOLT. P.P. (ΔV)	LOAD RESIST (Ω)	TRANSIENT MAX TIME (s)	E O			M D	CKT. P E	OUT-LINE Δ=MO
		1 TOT VOLT (ΔV)	2 MAX IDLE P (W)	UPPER (Hz)	LOWER (Hz)	GAIN (dB)	FIGURE (dB)												
•	♦	3	4	5	6	7	8	9	10	11	12	13	14	15	16	•	•		

3 ♦ - One or more of the characteristics not at rated supply voltage
§ - Value not symmetrical about zero

4 † - Typical
* - Minimum
☐ - Absolute max.
Δ - Max. power diss.
§ - Pkg power diss.

5 † - Typical
∅ - Full power bandwidth
§ - Freq. for min. gain
Δ - Bandwidth less than 3dB
♦ - Test frequency

6 † - Typical
Δ - Bandwidth less than 3dB

7 † - Typical
Δ - Power gain
% - Current gain
§ - Differential volt. gain
* - Other values of gain available by external connection
§ - AGC available
∅ - Units
♦ - Large signal Volt. gain V/mv

8 † - Typical
§ - Max. signal to noise ratio
* - Max. equivalent input noise (μVrms)
Δ - Max. equivalent output noise (mVrms)

9 † - Typical
Δ - Intermodulation distortion in dB
* - Max. 2nd order distortion (-dB)

10 † - Typical
Δ - Differential input
∅ - Max. VSWR

11 † - Typical
* - Min. range for linear output

12 † - Typical
Δ - Differential output available
∅ - Max. VSWR

13 † - Typical
Δ - Output power (W)
* - Output power (dBm)
§ - Over oper. temp.

14 ♦ - No load

15 16 † - Typical

• SEE SYMBOLS AND CODES COMMON TO ALL TECHNICAL SECTIONS

♦ TYPE NO. SYMBOLS AND CODES AT TOP OF FIRST INTERPRETER CARD

**INTERPRETER
SYMBOL & CODES**

SYMBOLS & CODES COMMON TO ALL TECHNICAL SECTIONS

LINE No.	OPERATING TEMP. RANGE CODE	TYPE No.
<ul style="list-style-type: none"> ▼ - New Type ◆ - Revised Specification # - Non-JEDEC type Manufactured outside U.S.A. 	<p>0 - 0 up to 10°C</p> <p>1 - 10 up to 20°C</p> <p>2 - 20 up to 30°C</p> <p>3 - 30 up to 40°C</p> <p>4 - 40 up to 50°C</p> <p>5 - 50 up to 60°C</p> <p>6 - 60 up to 70°C</p> <p>7 - 70 up to 80°C</p> <p>8 - 80 up to 90°C</p> <p>9 - 90 up to 100°C</p> <p>A - 100 up to 110°C</p> <p>B - 110 up to 120°C</p> <p>C - 120 up to 130°C</p> <p>D - 130 up to 140°C</p> <p>E - 140 up to 150°C</p> <p>F - 150 up to 160°C</p> <p>G - 160 up to 170°C</p> <p>H - 170 up to 180°C</p> <p>J - 180 up to 190°C</p> <p>K - 190 up to 200°C</p> <p>M - 200°C and ABOVE</p>	<ul style="list-style-type: none"> ▼ - Custom circuit § - Device has two or more modes of operation - listed in separate technical sections * - Device contains two or more identical or matched circuits ∅ - Dual comparators (Sect. 9 only) † - Programmable op-amp characteristics given for highest specified bias current (Sect. 3 only) § - Chopper stabilized (Sect. 3 & 4 only) ◆ - Audio driver: one or more characteristics apply for overall system (Sect. 5 only) # - Optically coupled
<p>OUTLINE DRAWINGS</p> <ul style="list-style-type: none"> *__-: Dual in line package style *__T: Dual in line package style - with mounting tab CB: Printed circuit board CH: Chip package CN: Can type - non-JEDEC outline FP: Flat pack - non-JEDEC outline MT: Mounting tab outline MP: Molded or encapsulated package not included in other categories TO: Outline in accordance with JEDEC registration 	<p> \$ Both values of temp. are pos. Max. value only is indicated. Examples Of Operating Temp. Range Code: <div style="text-align: center;"> $\frac{\text{---} \text{ C}}{\text{---}}$ </div> Min. value lies between -50° and -60° Max. value lies between +120°C and +130°C OR <div style="text-align: center;"> $\frac{\text{---} \\$ \text{---}}{\text{---}}$ </div> Both values of temp. are pos. Max. value only as indicated. Max. value lies between +80° and +90°C </p> <p>OCT: Octal plug-in (no dwg. shown)</p> <p>△: MO outline in accordance with JEDEC registration</p> <p>⊠: Package style - actual dimensions not specified</p> <p>* No. before - and T indicates no. of pins (Ex: 4-1, 4 pin Dual in line)</p> <p>(Ex: 4T1, 4 pin Dual in line with mounting tab)</p>	

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V (3)MAX POWER DISSIPATION (4)TYPE No.

LINE No.	TYPE No.	1 NOM. VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE (V)	2 MAX. MIN. INPUT LINE V (V)	3 MAX. MAX. POWER DISS. @25°C (W)	MAX. CUR. LOAD (A)	MAX. IMP. @ 25°C (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX. LINE REG. CHG. (ΔV)	MAX. LOAD REG. CHG. (ΔA)	MAX. TRANSIENT RECOVERY @ LINE CHG. (s)	T C @ LOAD M D P E (s)	DRAWINGS
4		3	4	5	7	8	9	10	11	13	15	17	18

3 ⊠ - Shunt Reg.
 § - Positive and negative of this magnitude
 ◆ - Negative output voltage

7 * - Min. input voltage (V)
 △ - Absolute Max.

11 † - Typical
 % - Percent change over entire range
 § - Over entire operating range
 △ - %/°C
 * - Neg Volt.

15 † - Typical
 △ - Voltage change in volts
 * - Change in %/A

4 5 * - Other fixed non-adjustable output voltage
 % - Accuracy in % tolerance of value indicated in nom. volt. out column
 § - Tolerance in volts (± of value indicated in nom. volt. out column)
 ◆ - Negative volt.
 △ - Positive volt.

8 § - Over entire operating range
 * - Internally limited

16 † - Typical
 △ - Ripple Sens. in %/A

9 * - Min load I

17 18 † - Typical

10 † - Typical

13 § - Voltage change (volts)
 † - Typical
 △ - Change in %/volt
 ◆ - % change for max. line regulation
 % - % E₀/%E₁

• SEE SYMBOLS AND CODES COMMON TO ALL TECHNICAL SECTIONS

◆ TYPE NO. SYMBOLS AND CODES AT TOP OF FIRST INTERPRETER CARD

INTERPRETER
SYMBOL & CODES

SYMBOLS & CODES COMMON TO ALL TECHNICAL SECTIONS

LINE No.	OPERATING TEMP. RANGE CODE	TYPE No.
<ul style="list-style-type: none"> ▼ - New Type ◆ - Revised Specification # - Non-JEDEC type · - Manufactured outside U.S.A. 	<p>0 - 0 up to 10°C</p> <p>1 - 10 up to 20°C</p> <p>2 - 20 up to 30°C</p> <p>3 - 30 up to 40°C</p> <p>4 - 40 up to 50°C</p> <p>5 - 50 up to 60°C</p> <p>6 - 60 up to 70°C</p> <p>7 - 70 up to 80°C</p> <p>8 - 80 up to 90°C</p> <p>9 - 90 up to 100°C</p> <p>A - 100 up to 110°C</p> <p>B - 110 up to 120°C</p> <p>C - 120 up to 130°C</p> <p>D - 130 up to 140°C</p> <p>E - 140 up to 150°C</p> <p>F - 150 up to 160°C</p> <p>G - 160 up to 170°C</p> <p>H - 170 up to 180°C</p>	<ul style="list-style-type: none"> ▼ - Custom circuit § - Device has two or more modes of operation - listed in separate technical sections * - Device contains two or more identical or matched circuits ∅ - Dual comparators (Sect. 9 only) † - Programmable op-amp characteristics given for highest specified bias current (Sect. 3 only) § - Chopper stabilized (Sect. 3 & 4 only) ◆ - Audio driver: one or more characteristics apply for overall system (Sect. 5 only) # - Optically coupled
<p style="text-align: center;">OUTLINE DRAWINGS</p> <p>*__-: Dual in line package style</p> <p>*__T: Dual in line package style - with mounting tab</p> <p>CB: Printed circuit board</p> <p>CH: Chip package</p> <p>CN: Can type - non-JEDEC outline</p> <p>FP: Flat pack - non-JEDEC outline</p> <p>MT: Mounting tab outline</p> <p>MP: Molded or encapsulated package not included in other categories</p> <p>TO: Outline in accordance with JEDEC registration</p>	<p style="text-align: center;">OPERATING TEMP. RANGE CODE</p> <p>\$ Both values of temp. are pos. Max. value only is indicated.</p> <p>Examples Of Operating Temp. Range Code:</p> <div style="text-align: center;"> </div> <p>Min. value lies between -50° and -60°</p> <p>Max. value lies between +120°C and +130°C</p> <p style="text-align: center;">OR</p> <div style="text-align: center;"> </div> <p>Both values of temp. are pos. Max. value only as indicated.</p> <p>Max. value lies between +80° and +90°C</p> <p>J - 180 up to 190°C</p> <p>K - 190 up to 200°C</p> <p>M - 200°C and ABOVE</p>	
	<p>OCT: Octal plug-in (no dwg. shown)</p> <p>△: MO outline in accordance with JEDEC registration</p> <p>∅: Package style - actual dimensions not specified</p>	<p>* No. before - and T indicates no. of pins (Ex: 4-1, 4 pin Dual in line)</p> <p>(Ex: 4T1, 4 pin Dual in line with mounting tab)</p>

9. VOLTAGE COMPARATORS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	TYPE No.	PWR SUP@25°C RATED SPECS		INPUT CHARACTERISTICS					OUTPUT CHAR. @ 25°C				W/C TRANSFER T C		DRAWINGS		
		1 TOT.	2 MAX	3 DRFT	4 OFFSET	5 OFFSET	BIAS	RANGE	CUR-MAX	MIN. VOLTAGE	MAX. VOLTAGE	RES.	SINK	GAIN	RESP. TIME	M D	CKT. LINE
		(ΔV)	(W)	(V/°C)	(V)	(A)	(A)	(ΔV)	(A)	(V)	(V)	(Ω)	(A)	(dB)	(s)	-	Δ=MO
5	◆	3	4	5	6	7	8	9	10	11	12	13	14	15	16		

- 3** ◆ - One or more of the characteristics are not at rated supply voltage
- § - Value is not symmetrical about zero
- * - ± volt. range
- 4** † - Typical
- * - Minimum
- ∅ - Absolute max power dissipation
- △ - Max power dissipation
- § - Pkg power dissipation

- 5** † - Typical
- § - 25°C
- ∅ - Over limited temperature range
- 6** † - Typical
- § - 25°C
- △ - Adjustable to zero
- ∅ - Over limited temp. range
- 7** † - Typical
- 8** § - 25°C
- ∅ - Over limited temperature range

- 9** † - Typical
- △ - Max. safe operating range
- § - Value is not Symmetrical about zero
- SE - Single-ended input
- * - CMR in dB
- 10** † - Typical
- 11** † - Typical
- ∅ - Negative
- ◆ - Max. output voltage at a specified output leakage current
- 12** † - Typical
- § - Positive
- △ - Max.

- 14** † - Typical
- △ - Absolute safe max.
- SEE NOTE BELOW
- † - Typical
- △ - Volt. gain V/mv
- * - Units
- 15** † - Typical
- △ - Volt. gain V/mv
- * - Units
- 16** SEE NOTE BELOW
- † - Typical
- § - Not at 100 mV input with 5 mV overdrive
- * - Turn on time
- ∅ - Rise time

Note: W/C (Worst Case) conditions specified:
Min. voltage gain
Max. response time

• SEE SYMBOLS AND CODES COMMON TO ALL TECHNICAL SECTIONS

◆ TYPE NO. SYMBOLS AND CODES AT TOP OF FIRST INTERPRETER CARD

**INTERPRETER
SYMBOL & CODES**

SYMBOLS & CODES COMMON TO ALL TECHNICAL SECTIONS

LINE No.	OPERATING TEMP. RANGE CODE	TYPE No.				
<ul style="list-style-type: none"> ▼ - New Type ◆ - Revised Specification # - Non-JEDEC type Manufactured outside U.S.A. 	<p>0 - 0 up to 10°C</p> <p>1 - 10 up to 20°C</p> <p>2 - 20 up to 30°C</p> <p>3 - 30 up to 40°C</p> <p>4 - 40 up to 50°C</p> <p>5 - 50 up to 60°C</p> <p>6 - 60 up to 70°C</p> <p>7 - 70 up to 80°C</p> <p>8 - 80 up to 90°C</p> <p>9 - 90 up to 100°C</p> <p>A - 100 up to 110°C</p> <p>B - 110 up to 120°C</p> <p>C - 120 up to 130°C</p> <p>D - 130 up to 140°C</p> <p>E - 140 up to 150°C</p> <p>F - 150 up to 160°C</p> <p>G - 160 up to 170°C</p> <p>H - 170 up to 180°C</p> <p>J - 180 up to 190°C</p> <p>K - 190 up to 200°C</p> <p>M - 200°C and ABOVE</p>	<ul style="list-style-type: none"> ▼ - Custom circuit § - Device has two or more modes of operation - listed in separate technical sections * - Device contains two or more identical or matched circuits ∅ - Dual comparators (Sect. 9 only) † - Programmable op-amp characteristics given for highest specified bias current (Sect. 3 only) § - Chopper stabilized (Sect. 3 & 4 only) ◆ - Audio driver: one or more characteristics apply for overall system (Sect. 5 only) # - Optically coupled 				
<p>OUTLINE DRAWINGS</p> <ul style="list-style-type: none"> *__-: Dual in line package style *__T: Dual in line package style - with mounting tab CB: Printed circuit board CH: Chip package CN: Can type - non-JEDEC outline FP: Flat pack - non-JEDEC outline MT: Mounting tab outline MP: Molded or encapsulated package not included in other categories TO: Outline in accordance with JEDEC registration 	<p>OPERATING TEMP. RANGE CODE</p> <p>\$ Both values of temp. are pos. Max. value only is indicated.</p> <p>Examples Of Operating Temp. Range Code:</p> <p align="center">5 C</p> <table border="1"> <tr> <td>Min. value lies between -50° and -60°</td> <td>Max. value lies between +120° and +130°</td> </tr> </table> <p align="center">OR</p> <table border="1"> <tr> <td>Both values of temp. are pos. Max. value only as indicated.</td> <td>Max. value lies between +80° and +90°</td> </tr> </table> <p>OCT: Octal plug-in (no dwg. shown)</p> <p>△: MO outline in accordance with JEDEC registration</p> <p>☐: Package style - actual dimensions not specified</p> <p>* No. before - and T indicates no. of pins (Ex: 4-1, 4 pin Dual in line)</p> <p>(Ex: 4T1, 4 pin Dual in line with mounting tab)</p>	Min. value lies between -50° and -60°	Max. value lies between +120° and +130°	Both values of temp. are pos. Max. value only as indicated.	Max. value lies between +80° and +90°	
Min. value lies between -50° and -60°	Max. value lies between +120° and +130°					
Both values of temp. are pos. Max. value only as indicated.	Max. value lies between +80° and +90°					

10. SPECIAL FUNCTIONS

IN ORDER OF (1) USE (2) TOTAL VOLTAGE
(3) MAX. IDLE POWER & (4) TYPE No.

LINE No.	TYPE No.	1. PWR SUP @25°C		MIN. INPUT CHAR. @25°C		OUTPUT CHAR. @25°C		T C E O M D P E	DRAWINGS OUT. LINE	GENERAL DESCRIPTION
		U RATED	S 2 TOT. 3 MAX. IDLE P	IMPED- VOLT RANGE	MAX. MIN VOLT IMP. RANGE	MIN VOLT IMP. RANGE	Δ = MO			
		(ΔV)	(W)	(Ω)	(ΔV)	(Ω)	(ΔV)			

3
4
5
6
7
8
9
13

- 3 1 - Current Ampl.
- 2 - Log Ampl.
- 3 - Multiplier
- 4 - Squaring Ampl.
- 5 - Funct. Gen
- 6 - Sin/Cos Funct. Gen.
- 7 - Sin/Sq/Tri Osc
- 8 - Divider
- 9 - Freq. to Freq. Conv.
- 10 - Volt. Contr. Xtal Osc.
- 11 - Volt to Freq. Conv.
- 12 - CRT Correction CRT
- 13 - Alarm Ckt.
- 14 - Analog Level Det.
- 15 - S/H Ampl.
- 16 - Instr. Ampl.
- 17 - Anti-Log Ampl.
- 18 - Buffer Ampl.
- 19 - Volt. Ref. Ampl.
- 20 - Servo. Ampl.
- 21 - Isolation Ampl.
- 22 - Freq. Synth.
- 23 - Oscillator
- 24 - Pulse Gen.
- 25 - Volt. to Current Conv.

- 4 ◆ - One or more of the characteristics are not at rated supply voltage
- § - Value is not symmetrical about zero
- * - ± Volt. range listed
- 5 † - Typical
- § - Under load conditions
- ☐ - Absolute max. power diss.
- △ - Max. power dissipation
- * - Pkg. power dissipation

- 6 † - Typical
- * - Min. in current range in Δ mA
- 7 † - Typical
- * - Max. offset voltage (mV)
- § - Value is not symmetrical about zero
- △ - Absolute safe max.
- - Indicates all negative range

- 8 † - Typical
- * - Min. out current range in Δ mA
- ∅ - Load impedance in ohms
- ∅ - Min. out Volt. level
- 9 † - Typical
- § - Value is not symmetrical about zero
- - Indicates all negative range
- * - ± Volt Range

• **SEE SYMBOLS AND CODES COMMON TO ALL TECHNICAL SECTIONS**

◆ **TYPE NO. SYMBOLS AND CODES AT TOP OF FIRST INTERPRETER CARD**

13 SEE NEXT PAGE

INTERPRETER
SYMBOL & CODES

11. POWER SUPPLIES

IN ORDER OF (1) USE (2) TYPE No.

LINE No.	TYPE No.	1 U S E	T E M P	C O D E	DRAWINGS D C K T.	OUT- LINE Δ =MO	GENERAL DESCRIPTION
----------	----------	------------------	------------------	------------------	-------------------------------	------------------------------	---------------------

- 3** 50. AC to DC power supply
52. DC to DC power supply

12. MISCELLANEOUS

IN ORDER OF (1) USE (2) TYPE No.

LINE No.	TYPE No.	1 U S E	T E M P	C O D E	DRAWINGS D C K T.	OUT- LINE Δ =MO	GENERAL DESCRIPTION
----------	----------	------------------	------------------	------------------	-------------------------------	------------------------------	---------------------

- 3** 54. Transistor array
56. Ring modulator
58. Temp. controlled diff. pair
59. Special Subsystem
60. Diode array
61. General transistor stage
62. Phase control circuit
63. Reference amplifiers & diodes
64. Voltage or current stabilizers & limiters (temp controlled)
65. Analog adder/summing amp
66. Common B/W & color TV circuits

67. Color TV circuits
68. Audio signal processor (stereo & 4 channel Circuits)
69. AM/FM RF-IF circuit
70. FM multiplexer
71. Modulator/demodulator
72. AFC circuit
73. AGC circuit
74. Mixer
75. Phase lock loop
76. Active filters
77. Channel Scanner/Selector/Display
78. Synchro devices

79. Programmable gain amplifiers
80. Pulse width mod.
81. Motor speed controller
82. AM receiver
83. FM Receiver
84. Tone/freq. decoder
85. Automotive Application
86. Tone/Freq. encoder
87. Multi-function devices
88. Hall effect switch

◆ SEE SYMBOLS AND CODES COMMON TO ALL TECHNICAL SECTIONS

◆ TYPE No. SYMBOLS AND CODES AT TOP OF FIRST INTERPRETER CARD

7 13 GENERAL DESCRIPTION COMMON TO SECTIONS 10., 11. & 12.

- | | | |
|--|---|---|
| <p>☑ - Selected ranges available
 Δ - Maximum
 * - Minimum
 \dagger - Typical
 \circ - Adjustable
 # - Over entire temperature range
 \S - Value is not symmetrical about zero
 ◆ - Optional characteristic, consult manufacturer</p> <p>ΔF - Frequency deviation
 ΔI_i - Input current (P-P)
 ΔI_o - Output current (P-P)
 ΔV_i - Input voltage (P-P)
 ΔV_o - Output voltage (P-P)
 ΔV_s - Power supply span
 1%BW - Bandwidth for 1% accuracy
 Acc - Accuracy
 Adj - Adjustable
 Anlg - Antilogarithmic function
 BP - Bandpass
 BVcbo - Breakdown voltage collector-to-base; emitter open-circuit
 BVceo - Breakdown voltage; collector-to-emitter; base open-circuit
 BVcer - Breakdown voltage; collector-to-emitter; base-to-emitter resistance specified
 BVebo - Breakdown voltage; emitter-to-base; collector open-circuit
 BW 3db - Bandwidth</p> | <p>Cd - Capacitance
 CL - Conversion Loss
 Darl - Number of darlington pairs
 Dio - Number of diodes
 Dr - Drift with time
 ECL - Emitter coupled logic
 FP BW - Full power bandwidth
 Freq - Operating frequency
 Ft - Extrapolated unity gain frequency (gain bandwidth product). Product of the common-emitter current transfer ratio and the frequency of measurement at a frequency where the current gain is decreasing at the rate of 6 dB per octave. This frequency is also known as the transition frequency.
 Gi - Current gain
 Gv - Voltage gain
 hFE - DC forward current transfer ratio, common emitter
 HP - Highpass
 I_c - Collector current, DC
 I_f - Forward current
 I_o - Output current
 I_{os} - Offset current
 LP - Lowpass
 I_r - Reverse current
 I_z - Zener current
 Lgrf - Logarithmic ratio function
 Log - Logarithmic function</p> | <p>Mod - Module has both log and antilog function
 No - Output noise
 Pd - Total power dissipation
 PIV - Peak Inverse Voltage
 PLL - Phase lock loop
 Po - Power output
 Reg - Line or load regulation - whichever is worst case
 RL - Rated load
 Ring - Input voltage range in dB
 Ro - Output resistance
 Rpl - Ripple
 Seg - Number of line segments
 Sen - Sensitivity
 SL Rng - Slope range
 SR - Slew rate
 TC - Temperature coefficient
 Trn - Number of transistors
 Trr - Reverse recovery time
 Vbe - Base-to-emitter voltage, DC
 Vcb - Collector-to-base voltage, DC
 Vce - Collector-to-emitter voltage, DC
 V_f - Forward voltage
 V_i - Input voltage
 V_o - Output voltage
 V_{os} - Offset voltage
 V_{ref} - Reference voltage
 Zz - Zener impedance</p> |
|--|---|---|

2. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

LINEAR	TYPE No.		MFRS Pg&Line		TYPE No.		MFRS Pg&Line		TYPE No.		MFRS Pg&Line		TYPE No.		MFRS Pg&Line	
	TYPE No.	MFRS Pg&Line	TYPE No.	MFRS Pg&Line	TYPE No.	MFRS Pg&Line	TYPE No.	MFRS Pg&Line	TYPE No.	MFRS Pg&Line	TYPE No.	MFRS Pg&Line	TYPE No.	MFRS Pg&Line	TYPE No.	MFRS Pg&Line
	0-578A1	DDC 40-26	47A	ANA 29-85	110B	ANA 45-49	149C	ANA 45-71	280	ANA 45-71	280	ANA 45-71	280	ANA 45-71	280	ANA 45-71
	0-578A2	DDC 40-40	47B	ANA 29-56		ANA 45-49	150A	ANA 21-43	280-1	ANA 21-43	280-1	ANA 21-43	280-1	ANA 21-43	280-1	ANA 21-43
	0-578B1	DDC 40-73	47S	ANA 29-70	110C	ANA 45-48	150Z	ZEL 42-99	282J	ZEL 42-99	282J	ZEL 42-99	282J	ZEL 42-99	282J	ZEL 42-99
	0-578C	DDC 40-43	47T	ANA 29-57	111	ANA 42-69	154C	ZEL 34-10	283J	ZEL 34-10	283J	ZEL 34-10	283J	ZEL 34-10	283J	ZEL 34-10
	1-578A1	DDC 40-27	48NT100	ACO 84-42	111A	DMC 43-47	155	ZEL 43-69	301	ZEL 43-69	301	ZEL 43-69	301	ZEL 43-69	301	ZEL 43-69
	1-578A2	DDC 40-41	55E04A	none 84-43	111B	DMC 43-31	155F	ZEL 52-88	302	ZEL 52-88	302	ZEL 52-88	302	ZEL 52-88	302	ZEL 52-88
	1-578B1	DDC 40-74	64B4	SESC 54-11	112-1	TRA 90-40	155L	ITH 57-100	302A	ITH 57-100	302A	ITH 57-100	302A	ITH 57-100	302A	ITH 57-100
	1-578B2	DDC 40-93	64B4P	SESC 54-12	112-2	TRA 90-41	155N	ITH 57-101	302B	ITH 57-101	302B	ITH 57-101	302B	ITH 57-101	302B	ITH 57-101
	1-578B3	DDC 40-100	68	none 95-1	113	ANA 45-84	156	ZEL 32-95	303	ZEL 32-95	303	ZEL 32-95	303	ZEL 32-95	303	ZEL 32-95
	1-578C1	DDC 40-106	71B4	SESC 54-50	114A	ANA 34-80	160	ANA 52-8	303A	ANA 52-8	303A	ANA 52-8	303A	ANA 52-8	303A	ANA 52-8
	1-578C2	DDC 40-108	71B4P	SESC 54-51	114B	ANA 34-83	161	ITH 57-99	303B	ITH 57-99	303B	ITH 57-99	303B	ITH 57-99	303B	ITH 57-99
	1NT100	ACO 84-1	74B4	SESC 54-52	114C	ANA 34-80	161A	ANA 52-13	316	ANA 52-13	316	ANA 52-13	316	ANA 52-13	316	ANA 52-13
	1.5NT100	ACO 84-2	74B4P1	SESC 54-53	115	ZEL 32-11	161Z	ZEL 32-13	316-04	ZEL 32-13	316-04	ZEL 32-13	316-04	ZEL 32-13	316-04	ZEL 32-13
	1.5NT175	ACO 84-3	78L02WC	FSC 63-10	115-1	TRA 90-42	162	ITH 34-11	326-01	ITH 34-11	326-01	ITH 34-11	326-01	ITH 34-11	326-01	ITH 34-11
	2LV1	TPN 21-37	78L05HC	FSC 63-73	115-2	TRA 90-43		ITH 57-108	327-02	ITH 57-108	327-02	ITH 57-108	327-02	ITH 57-108	327-02	ITH 57-108
	2NT100	ACO 84-4	78L05WC	FSC 63-74	115A	ANA 37-27	165	ZEL 34-12	340	ZEL 34-12	340	ZEL 34-12	340	ZEL 34-12	340	ZEL 34-12
	2NT175	ACO 84-5	78L06WC	FSC 65-37	115B	ANA 37-25	170A	ANA 53-26	350A	ANA 53-26	350A	ANA 53-26	350A	ANA 53-26	350A	ANA 53-26
	3NT100	ACO 84-6	78L12HC	FSC 67-42	115C	ANA 37-23	170Z	ZEL 21-68	350B	ZEL 21-68	350B	ZEL 21-68	350B	ZEL 21-68	350B	ZEL 21-68
	3NT175	ACO 84-7	78L12WC	FSC 67-43	115E	ZEL 52-6	174AA	SIX 42-88	350C	SIX 42-88	350C	SIX 42-88	350C	SIX 42-88	350C	SIX 42-88
	3u536	none 48-43	78L15HC	FSC 68-55	116A	ANA 45-74	174AL	SIX 42-89	350CP4	SIX 42-89	350CP4	SIX 42-89	350CP4	SIX 42-89	350CP4	SIX 42-89
	3.6NT100	ACO 84-8	78L15WC	FSC 68-56	116Z	ZEL 32-12	174CA	SIX 42-90	350MP4	SIX 42-90	350MP4	SIX 42-90	350MP4	SIX 42-90	350MP4	SIX 42-90
	3.6NT175	ACO 84-9	78M05BE	TSC 63-69	116BC	ZEL 36-109	174CL	SIX 42-91	350RP2	SIX 42-91	350RP2	SIX 42-91	350RP2	SIX 42-91	350RP2	SIX 42-91
	3.6NT300	ACO 84-10	78M05CE	TSC 63-70	116C	ZEL 36-76	176A	DMC 55-25	360PM	DMC 55-25	360PM	DMC 55-25	360PM	DMC 55-25	360PM	DMC 55-25
	4JD13V	GESY 73-24	78M05HC	TEC 64-29	116D	ZEL 32-22	176B	DMC 55-24	369	DMC 55-24	369	DMC 55-24	369	DMC 55-24	369	DMC 55-24
			78M05UC	TEC 64-30	116K	ZEL 46-62	183J	ANA 42-4	376	ANA 42-4	376	ANA 42-4	376	ANA 42-4	376	ANA 42-4
			78M06BE	TSC 64-94	117	ANA 45-75		ITI 90-44	380CP4	ITI 90-44	380CP4	ITI 90-44	380CP4	ITI 90-44	380CP4	ITI 90-44
	5E50	none 84-11	78M06CE	TSC 64-95	117-2	TRA 90-44	183K	ANA 42-2	380CP5	ANA 42-2	380CP5	ANA 42-2	380CP5	ANA 42-2	380CP5	ANA 42-2
	5NT100	ACO 84-12	78M06HC	TEC 65-9	118-2	TRA 90-45		ITI 44-37	380MP4	ITI 44-37	380MP4	ITI 44-37	380MP4	ITI 44-37	380MP4	ITI 44-37
	5NT200	ACO 84-13	78M06UC	TEC 65-10	120A	ANA 44-37	183L	ANA 41-105	384CP5	ANA 41-105	384CP5	ANA 41-105	384CP5	ANA 41-105	384CP5	ANA 41-105
	6NT100	ACO 84-14	78M08BE	TSC 65-49	120B	ANA 44-36		ITI 90-45	395	ITI 90-45	395	ITI 90-45	395	ITI 90-45	395	ITI 90-45
	6NT200	ACO 84-15	78M08CE	TSC 65-50	121	ANA 45-80	201	ANA 45-83	396	ANA 45-83	396	ANA 45-83	396	ANA 45-83	396	ANA 45-83
	6P05M1-A	none 90-35	78M08HC	TEC 65-69	123K	ITH 78-4	201-1	HBC 90-46	400D	HBC 90-46	400D	HBC 90-46	400D	HBC 90-46	400D	HBC 90-46
	007A3	CPD 27-56	78M08UC	TEC 65-70	123L	ITH 78-5	201-2	HBC 90-47	401D	HBC 90-47	401D	HBC 90-47	401D	HBC 90-47	401D	HBC 90-47
	007A4	DDC 27-58	78M12BE	TSC 67-25	125K	ITH 78-6	201-3	HBC 90-48	402A	HBC 90-48	402A	HBC 90-48	402A	HBC 90-48	402A	HBC 90-48
		DDC 27-58	78M12CE	TSC 67-26	125L	ITH 78-7	202	ANA 45-81		ANA 45-81		ANA 45-81		ANA 45-81		ANA 45-81
	007A	CPD 27-73	78M12HC	TEC 67-54	126	ITH 57-86	202-1	HBC 90-49	402C	HBC 90-49	402C	HBC 90-49	402C	HBC 90-49	402C	HBC 90-49
		DDC 27-73	78M12UC	TEC 67-55	130A	DMC 32-101	202-2	HBC 90-50		HBC 90-50		HBC 90-50		HBC 90-50		HBC 90-50
	007B	CPD 27-75	78M15BE	TSC 68-31	130B	DMC 32-92	202-3	HBC 90-51	402D	HBC 90-51	402D	HBC 90-51	402D	HBC 90-51	402D	HBC 90-51
		DDC 27-75	78M15CE	TSC 68-32	130C	DMC 32-91	203	ANA 45-82		ANA 45-82		ANA 45-82		ANA 45-82		ANA 45-82
	007C	CPD 27-95	78M15HC	TEC 68-69	132	ZEL 33-46	203-1	HBC 90-52	403A	HBC 90-52	403A	HBC 90-52	403A	HBC 90-52	403A	HBC 90-52
		DDC 27-95	78M15UC	TEC 68-70	132A	ZEL 33-47	203-2	HBC 90-53		HBC 90-53		HBC 90-53		HBC 90-53		HBC 90-53
	007D1	CPD 38-70	78M20BE	TSC 71-64	132AC03	ZEL 40-19	203-3	HBC 90-54	403C	HBC 90-54	403C	HBC 90-54	403C	HBC 90-54	403C	HBC 90-54
	007E1	CPD 39-23	78M20CE	TSC 71-65	132AC	ZEL 40-34	207	ANA 53-27		ANA 53-27		ANA 53-27		ANA 53-27		ANA 53-27
	7NT100	ACO 84-16	78M20HC	TEC 71-81	132AD	ZEL 34-8	207A1	CPD 38-10	403D	CPD 38-10	403D	CPD 38-10	403D	CPD 38-10	403D	CPD 38-10
	008A3	CPD 28-11	78M20UC	TEC 71-82	132AE	ZEL 52-18		DDC 38-11	404D	DDC 38-11	404D	DDC 38-11	404D	DDC 38-11	404D	DDC 38-11
		DDC 28-11	78M24BE	TSC 72-50	132D	ZEL 32-24	207A2	DDC 27-57	405B	DDC 27-57	405B	DDC 27-57	405B	DDC 27-57	405B	DDC 27-57
	008A	CPD 28-36	78M24CE	TSC 72-51	133	ZEL 32-25	207A3	DDC 27-59	406D	DDC 27-59	406D	DDC 27-59	406D	DDC 27-59	406D	DDC 27-59
		DDC 28-36	78M24HC	TEC 72-86	133AC	ZEL 29-22	207A4	DDC 27-74	407D	DDC 27-74	407D	DDC 27-74	407D	DDC 27-74	407D	DDC 27-74
	008B	CPD 28-37	78M24UC	TEC 72-87	134	ZEL 29-30	207A	DDC 38-14	408	DDC 38-14	408	DDC 38-14	408	DDC 38-14	408	DDC 38-14
		DDC 28-37	79MGT1C	FSC 69-29	134A	ZEL 29-31	207B1	DDC 27-76	410%	DDC 27-76	410%	DDC 27-76	410%	DDC 27-76	410%	DDC 27-76
	008C1	CPD 39-39	79MGT2C	FSC 69-30	134D	ZEL 58-1	207B	DDC 38-45	411	DDC 38-45	411	DDC 38-45	411	DDC 38-45	411	DDC 38-45
		DDC 39-39	79MGT3C	FSC 69-31	137	ITH 58-2	207C1	DDC 27-96	411%	DDC 27-96	411%	DDC 27-96	411%	DDC 27-96	411%	DDC 27-96
	008C2	CPD 39-45	101A	ANA 44-47	138	ITH 58-2	207C1	CPD 38-72	412	CPD 38-72	412	CPD 38-72	412	CPD 38-72	412	CPD 38-72
		DDC 39-45	101B	ANA 44-46	140A	ANA 45-35	207C	DDC 39-25	417D	DDC 39-25	417D	DDC 39-25	417D	DDC 39-25	417D	DDC 39-25
	008C	CPD 29-28	101C	ANA 44-45	140B	ANA 45-31	207D1	CPD 38-17	418D	CPD 38-17	418D	CPD 38-17	418D	CPD 38-17	418D	CPD 38-17
		DDC 29-28	101N5	EELC 63-78	141	ZEL 53-28	207E1	DDC 38-46	420A	DDC 38-46	420A	DDC 38-46	420A	DDC 38-46	420A	DDC 38-46
	8NT100	ACO 84-17	101N9	EELC 65-102	140BHV	ZEL 53-34	208A1	CPD 39-9	420B	CPD 39-9	420B	CPD 39-9	420B	CPD 39-9	420B	CPD 39-9
	9NT100	ACO 84-18	101N12	EELC 67-78	141	ZEL 52-19		DDC 39-20	421D	DDC 39-20	421D	DDC 39-20	421D	DDC 39-20	421D	DDC 39-20
	10L2LA	CDI 40-63	101N15	EELC 69-11	141A	ANA 45-37	208A2	DDC 39-31	422D	DDC 39-31	422D	DDC 39-31	422D	DDC 39-31	422D	DDC 39-31
	10L3LB	CDI 78-54	101N18	EELC 70-31	141B	ANA 45-36		DDC 39-42	422K	DDC 39-42	422K	DDC 39-42	422K	DDC 39-42	422K	DDC 39-42
	10L4LA	CDI 40-64	101N24	EELC 73-13	141C	ANA 45-34	208B1	DDC 39-47	423D	DDC 39-47	423D	DDC 39-47	423D	DDC 39-47	423D	DDC 39-47
	10M1CM	CDI 43-72	101P5	EELC 63-79	141CZ	ZEL 52-20		DDC 41-19	424D	DDC 41-19	424D	DDC 41-19	424D	DDC 41-19	424D	DDC 41-19
	10M3	CDI 31-40	101P9	EELC 65-103	141M25	ZEL 43-53	208B2	DDC 41-87	428C#1	DDC 41-87	428C#1	DDC 41-87	428C#1	DDC 41-87	428C#1	DDC 41-87
	10NT100	ACO 84-19	101P12	EELC 67-79	142	ZEL 53-29		DDC 41-88	428D#1	DDC 41-88	428D#1	DDC 41-88	428D#1	DDC 41-88	428D#1	DDC 41-88
	10Q1ARQ	CDI 36-49	101P15	EELC 69-12	142A	ANA 45-45	208B3	CPD 39-31	422D	CPD 39-31	422D	CPD 39-31	422D	CPD 39-31	422D	CPD 39-31
	10Q1ARQA	CDI 36-50	101P18	EELC 70-32		ANA 45-44	208C1	DDC 39-42	422J	DDC 39-42	422J	DDC 39-42	422J	DDC 39-42	422J	DDC 39-42
	10Q5ARQ	CDI 41-4	101P24	EELC 73-14	142B											

2. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
501B	ANA	41-39	717-9-8A	FSC	56-4	811CE	TSC	29-54	859V24	BECK	72-74	1020-03	TPN	42-95
501C	ANA	41-40		SGAI	59-78	811CJ	TSC	29-55	859V28	BECK	73-39	1029	TPN	40-95
505	BUB	84-82	720	ITI	84-95	813CJ	TSC	22-71	861BL	TSC	95-2	1029-01	TPN	40-77
510/25	BUB	90-55	721	ITI	84-96	819BE	TSC	21-79	861CL	TSC	95-3	1035-01	TPN	28-26
510A25	BUB	90-56	723BE	TSC	71-12	819BH	TSC	21-80	866	BECK	78-81	1036	TPN	33-99
510A/25	BUB	90-57	723BL	TSC	71-46	820	ZEL	34-40	868	BECK	97-24	1036-20	TPN	33-100
512	OEI	80-42	723BN	TSC	71-47	821	BECK	62-79	869	OEI	84-103	1037	TPN	53-19
512-513	OEI	80-58	723CE	TSC	71-13	822BE	TSC	72-10	870	OEI	84-104	1037-20	TPN	53-20
513	OEI	80-43	723CJ	TSC	71-11	822CU	TSC	72-9	871	OEI	84-105	1040	EELC	58-58
516Δ	OPA	84-83	723CL	TSC	71-48	823AE	TSC	72-11	872	OEI	84-106	1231WA	DAM	81-90
516□	BUB	84-84	723CN	TSC	71-49	823AL	TSC	72-12	873	OEI	84-107	1300	DMC	37-9
519	OEI	79-29	735-12-5B #1	FSC	21-40	823AN	TSC	72-13	878	BECK	97-25		TPN	55-45
519A	OEI	79-27	735-12-5B #2	FSC	23-38	823BE	TSC	71-14	881	BECK	104-14	1301	DMC	37-10
520-25	BUB	90-58	739CJ	TSC	43-30	823BL	TSC	71-50	882F697	BECK	104-15		TPN	55-42
521	BUB	84-85	741-1-5B	GECB	24-99	823BN	TSC	71-51	882F770	BECK	104-16	1302	TPN	46-67
521-522	OEI	80-85	741-1-36	GECB	24-100	824	BECK	62-80	882F852	BECK	104-17	1305A	BUB	33-107
523-524	OEI	80-86	741-9-5B	GECB	25-91	824BE	TSC	72-37	882F941	BECK	104-18	1306A	BUB	42-21
524□	BUB	84-86	741-9-6E	GECB	25-92	825	BECK	45-13	882F1209	BECK	104-19	1320	TPN	29-41
541	BUB	84-87	741-9-36	GECB	25-93		SIC		882F1336	BECK	104-20	1323-01	TPN	23-32
545	ITI	80-55	741-93-6E	FSC	25-94	825CU	TSC	68-91	882F1477	BECK	104-21	1323-02	TPN	23-33
547	OEI	81-83	GECB	SGAI		826BE	TSC	72-5	882F1633	BECK	104-22	1324	TPN	43-81
570	BUB	82-48	741BE	TSC	24-101	826V14	BECK	97-16	885	OEI	84-108	1324-01	TPN	43-64
	OEI	84-88	741BH	TSC	24-102	826V18	BECK	97-17	887	OEI	84-109	1339	TPN	38-54
571	BUB	81-76	741BL	TSC	24-103	826V30	BECK	97-18	888	OEI	84-110	1339-01	TPN	38-38
	OEI	84-89	741BN	TSC	22-76	826V40	BECK	97-19	892	OEI	85-1	1339-02	TPN	38-30
572	BUB	84-90	741CE	TSC	25-95	827V5	BECK	97-20	896	OEI	64-98	1341	BUB	52-98
580	BUB	84-91	741CH	TSC	25-96	827V6	BECK	97-21	897	OEI	65-93	1342	BUB	53-10
581	BUB	84-92	741CJ	TSC	25-97	827V7	BECK	97-22	899-60	BECK	98-102	1360B	BUB	54-110
601Δ	CPD	68-25	741CL	TSC	25-98	827V8	BECK	97-23	901Δ	ROA	52-10	1385	none	101-17
	DDC		741CN	TSC	25-99	828AV5	BECK	64-61	901%	ANA	85-2	1391	ITH	97-26
601□	GPS	31-101	741CP	TSC	25-100	828AV6	BECK	65-35	901BE	TSC	62-14	1392	ITH	97-27
601%	ANA	55-40	741DE	TSC	26-92	828AV9	BECK	66-7	901CE	TSC	62-15	1395	ITH	97-28
602	GPS	34-20	741DJ	TSC	26-93	828AV12	BECK	67-96	901E	ANA	85-3	1396	ITH	97-29
602J10	ANA	55-39	747BE	TSC	24-104	828AV15	BECK	69-22	903BE	TSC	62-16	1402	TPN	23-78
602J100	ANA	55-38	747BL	TSC	24-105	829BE	TSC	67-80	903BR	TSC	62-17	1402-01	TPN	23-77
602K100	ANA	55-37	747BN	TSC	35-90	829CE	TSC	67-4	903CE	TSC	62-18	1402-02	TPN	23-76
603	GPS	33-78	747CE	TSC	25-101	830	ZEL	34-61	903CR	TSC	62-19	1404-01	TPN	21-45
604	GPS	33-79	747CJ	TSC	25-102	830BE	BECK	68-88	909	ANA	85-4	1406	TPN	45-25
605Δ	GPS	36-32	747CN	TSC	25-103	830CE	TSC	68-15	910A	HBC	36-8	1407	TPN	39-82
605□	ZEL	79-60	748BE	TSC	24-106	831AE	TSC	54-82	910B	HBC	36-2	1407-01	TPN	39-80
606	GPS	36-33	748BH	TSC	24-107	831AH	TSC	54-83	910C	HBC	35-107	1408	TPN	41-57
702	GPS	34-21	748BL	TSC	24-108	831BE	TSC	54-84	911BE	TSC	60-4	1408-01	TPN	41-41
702-1-3H	FSC	22-22	748CE	TSC	25-104	831BH	TSC	54-85	911BJ	TSC	60-5	1408-02	TPN	41-42
	GECB		748CJ	TSC	25-105	831CE	TSC	54-86	911CE	TSC	60-6	1412	TPN	27-52
702-1-5B	FSC	22-23	748CL	TSC	25-106	831CH	TSC	54-87	911CJ	TSC	60-7	1413	TPN	28-27
	GECB		748CP	TSC	25-107	831DE	TSC	54-88	915A	HBC	23-45	1414-10	TPN	42-62
702-1-36	GECB	22-24	749BH	TSC	36-9	833-21	BECK	21-103	915B	HBC	23-44	1414-83	TPN	42-65
702-9-3H	FSC	22-47	749BN	TSC	36-10	833-21C	BECK	21-104	916	ANA	85-5	1421-24	TPN	29-87
	GECB		749CN	TSC	36-11	835BJ	TSC	31-13	917	ANA	85-6	1421-25	TPN	29-84
702-9-5B	FSC	22-48	751N	ANA	96-83	835BL	TSC	31-14	918	ANA	85-7	1422	TPN	29-25
	GECB		751P	ANA	96-84	835CJ	TSC	32-77		HBC	85-7	1422-01	TPN	29-26
702-9-6E	GECB	22-49	752N	ANA	78-103	835CL	TSC	32-78	920BE	TSC	61-53	1423	TPN	42-5
	GECB		752P	ANA	78-104	836BJ	TSC	31-15	920CU	TSC	61-54	1423-01	TPN	42-1
702-9-36	GECB	22-50	756	KNA	46-68	836BL	TSC	31-16	931	ANA	85-8	1423-02	TPN	41-104
703	GPS	33-80	756N	ANA	78-100	836CJ	TSC	32-84	932	ANA	85-9	1427	TPN	43-84
703BE	TSC	59-45	756P	ANA	78-101	836CL	TSC	32-85	933	ANA	85-10	1427-01	TPN	43-74
703CE	TSC	59-46	765	KNA	84-97	838AV5	BECK	64-62	935	ANA	85-11	1428	TPN	29-24
704	GPS	34-22	766	KNA	84-98	838AV6	BECK	65-36	956A	HBC	42-53	1428-01	TPN	28-38
705	GPS	36-34	800BE	TSC	22-94	838AV9	BECK	66-8	956B	HBC	42-34	1428-02	TPN	28-39
709-1-36	GECB	35-2	800DE	TSC	22-86	838AV12	BECK	67-97	960A	HBC	44-22	1429	TPN	29-29
709-9-6E	GECB	37-67	801	GPS	54-106	838AV15	BECK	69-23	960B	HBC	44-17	1429-01	TPN	28-40
709-9-36	GECB	37-68	801A	ANA	45-41	840-T1	BECK	99-22	961A	HBC	44-23	1429-02	TPN	29-27
709-11-3A	FSC	29-107	801B	ANA	45-39	840-T2	BECK	99-23	961B	HBC	44-18	1451	ITH	57-98
	GECB		801BE	TSC	22-95	841BE	TSC	24-109	971	ANA	85-12	1451CD1	DDC	78-110
709-11-36	GECB	29-108	801DE	TSC	22-87	841CE	TSC	27-27	976	OEI	52-31	1451CD2	DDC	79-1
709AE	TSC	29-95	801E	ANA	45-40	843V12	BECK	67-52	976A	OEI	44-94	1452	ITH	57-97
709AH	TSC	29-96	801V9	BECK	65-96		SIC		980J	ANA	66-9	1452CD1	DDC	79-2
709AL	TSC	29-97	801V12	BECK	67-10	843V15	BECK	68-62	980K	ANA	66-10	1452CD2	DDC	79-3
709AN	TSC	29-94	801V18	BECK	69-84		SIC		1001	TPN	43-62	1453CP1	DDC	80-63
709B4	SESC	35-3	801V21	BECK	72-2	844BE	TSC	27-63	1001CT	DDC	37-20	1453CP2	DDC	80-64
709B4P	SESC	35-4	802□	GPS	54-109	844BH	TSC	51-49	1001MT	DDC	34-79	1453CP3	DDC	80-65
709BE	TSC	29-98	803	GPS	54-107	844BL	TSC	27-64	1002CD	DDC	40-102	1453MD1	DDC	80-59
709BH	TSC	29-99	803V24	BECK	72-75	844CE	TSC	27-102	1002MD	DDC	37-19	1453MD2	DDC	80-60
709BL	TSC	29-100	803V28	BECK	73-40	844CL	TSC	27-103	1003	TPN	36-19	1458CE	TSC	40-61
709BN	TSC	34-97	803V32	BECK	73-51	844CP	TSC	27-104	1003-01	TPN	36-20	1458CP	TSC	40-62
709CE	TSC	29-101	804	BECK	73-28	844V12	BECK	67-53	1003CT	DDC	21-60	1458E	TSC	35-91
709CH	TSC	37-69	804□	GPS	54-108	844V15	BECK	68-63	1003MT	DDC	21-58	1458P	TSC	35-92
709CJ	TSC	29-102	805	GPS	55-1	844V18	BECK	69-106	1008CT	DDC	31-79	1474	ITH	97-30
709CN	TSC	37-70	805BE	TSC	39-69		SIC		1008MT	DDC	31-78	1475	ITH	97-31
710-1-3H	FSC	74-80	805BH	TSC	39-70	844V20	BECK	71-63	1009-01	ITI	43-12	1476	ITH	97-32
	GECB		805CE	TSC	22-96		SIC			TPN		1503/15	BUB	42-46
710-1-36	GECB	74-81	805V5	BECK	63-77	845BE	TSC	27-65	1009-02	ITI	43-4	1504	BUB	43-75
710-9-6E	GECB	75-10	805V6	BECK	64-101	845BH	TSC	51-50		TPN		1506-15	BUB	33-51
710-9-36	GECB	75-11	806□	GPS	55-2	845BL	TSC	27-66	1010CT	DDC	36-26	1506/13	BUB	33-64
710BE	TSC	74-82	806BE	TSC	39-71	845CE	TSC	27-105	1010MT	DDC	36-25	1506/15	BUB	33-65
710BH	TSC	74-83	806BH	TSC	39-72	845CL	TSC	27-106	1011	ITI	43-23	1506/16	BUB	33-66
710BL	TSC	74-84	806CE	TSC	22-97	845CP	TSC	27-107		TPN		1506/26	BUB	33-67
710CE	TSC	75-12	807BE	TSC	39-64	846BE	TSC	27-67	1011-01	ITI	43-20	1509/13	BUB	38-56
710CH	TSC	75-13	807BH	TSC	39-65	846BH	TSC							

2. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

LINEAR	TYPE No.				TYPE No.				TYPE No.				TYPE No.			
	MFRS	Pg&Line	MFRS	Pg&Line	MFRS	Pg&Line	MFRS	Pg&Line	MFRS	Pg&Line	MFRS	Pg&Line	MFRS	Pg&Line	MFRS	Pg&Line
1525/26	BUB	36-46	2104	♦TPN	68-11	3011/26	BUB	41-101	3226-03	♦BUB	36-41	4051	DMC	85-34		
1527/13	BUB	43-65	2105	♦TPN	68-12	3012/13	BUB	41-107	3227-03	♦BUB	36-89	4060	DMC	85-35		
1527/16	♦BUB	43-66	2108	MDI	45-1	3012/16	♦BUB	41-108	3229-12C	♦BUB	23-27	4061	DMC	85-36		
1527/25	♦BUB	43-67	2151	MDI	44-110	3012/25	♦BUB	41-109	3229-12C	BUB	45-89	4062-45	BUB	80-76		
1527/26	BUB	43-68	2203-21	♦TPN	85-14	3012/26	BUB	41-110	3230-12C	♦BUB	23-28	4070	DMC	85-37		
1538A-13	BUB	40-11	2204-21	♦TPN	85-15	3013/13	BUB	40-50	3230-12C	BUB	45-90	4071	DMC	85-38		
1538A-16	BUB	40-12	2206-21	♦TPN	85-16	3013/15	♦BUB	40-51	3233-15	BUB	55-52	4085RM	none	82-82		
1538A-25	BUB	40-13	2207	♦TPN	85-17	3013/16	♦BUB	40-52	3234-15	BUB	55-53	4090	DMC	85-39		
1538A-26	BUB	40-14	2212	♦TPN	85-18	3013/26	BUB	40-53	3241-12C	♦BUB	36-12	4091	DMC	85-40		
1540/13	BUB	52-43	2212-21	♦TPN	85-19	3014-13	BUB	36-61	3241-12C	BUB	36-13	4093	DMC	85-41		
1540/15	♦BUB	52-44	2216	♦OEI	78-96	3014-15	BUB	36-62	3243-25	BUB	55-75	4094-15C	♦BUB	79-67		
1540/16	♦BUB	52-45		♦TPN	85-20	3014-16	♦BUB	36-63	3244-25	BUB	55-76	4097-25	♦BUB	79-65		
1540/26	BUB	52-46	2216-21	♦TPN	85-21	3014-26	BUB	36-64	3260/25	BUB	44-39	4098-25	♦BUB	79-66		
1541/13	BUB	52-99	2230	♦TPN	85-22	3015/13	BUB	36-78	3263/14	♦BUB	55-11	4101	DMC	85-42		
1541/16	♦BUB	52-100	2230-21	♦TPN	85-23	3015/15	BUB	36-79	3264/14	♦BUB	55-12	4103	DMC	85-43		
1541/25	♦BUB	52-101	2231	♦TPN	85-24	3015/16	♦BUB	36-80	3266/12C	BUB	42-69	4110	DMC	85-44		
1541/26	BUB	52-102	2231-21	♦TPN	85-25	3015/26	BUB	36-81	3267/12C	♦BUB	42-35	4111	DMC	85-45		
1542/13	BUB	53-11	2245A	♦OEI	79-10	3016-25	BUB	78-55	3268/14	BUB	33-9	4112-25	BUB	80-19		
1542/16	♦BUB	53-12	2245C	♦OEI	79-14	3017-25	BUB	78-87	3269/14	BUB	34-14	4113	DMC	85-46		
1542/25	♦BUB	53-13	2255A	♦OEI	97-1	3018/13	BUB	33-109	3271-16	♦BUB	53-24	4116	♦BUB	79-11		
1542/26	BUB	53-14	2268	♦OEI	79-19	3018/15	♦BUB	33-110	3278-14	♦BUB	43-70	4118-25	♦BUB	80-97		
1543/13	BUB	52-51	2277	♦OEI	79-26	3018/16	♦BUB	34-1	3279-14	♦BUB	43-83	4118/25	BUB	80-98		
1543/15	♦BUB	52-52	2317-2	♦MDI	34-72	3018/26	BUB	34-2	3302J	♦TSC	74-46	4126-15C	♦BUB	80-57		
1543/16	♦BUB	52-53	2317-3	♦MDI	34-74	3019-15	♦BUB	33-53	3307/12C	♦BUB	42-36	4128	♦BUB	97-37		
1543/26	BUB	52-54	2327	MDI	41-67	3019/13	♦BUB	33-73	3308/12C	♦BUB	42-54	4170	DMC	85-47		
1544/13	BUB	52-94	2357	♦OEI	79-15	3019/15	♦BUB	33-74	3310-12C	BUB	42-15	4171	DMC	85-48		
1544/16	♦BUB	52-95	2358	MDI	51-57	3019/16	♦BUB	33-75	3311-12C	BUB	42-44	4180	DMC	85-49		
1544/25	♦BUB	52-96	2359	MDI	51-58	3019/26	BUB	33-76	3312-12C	♦BUB	42-37	4181	DMC	85-50		
1544/26	BUB	52-97	2369	♦OEI	78-102	3020-15	♦BUB	33-22	3312/12C	♦BUB	42-70	4190	DMC	85-51		
1545/13	BUB	53-5	2391	♦OEI	78-99	3020/13	BUB	33-23	3313-12C	♦BUB	42-55	4191	DMC	85-52		
1545/16	♦BUB	53-6	2397D	♦OEI	78-95	3020/15	♦BUB	33-24	3313/12C	♦BUB	42-71	4201	DMC	85-53		
1545/25	♦BUB	53-7	2404BG	TSC	24-4	3020/16	♦BUB	33-25	3317-14	BUB	34-15	4202A	♦BUB	79-35		
1545/26	BUB	53-8	2405BG	TSC	52-83	3020/26	BUB	33-26	3318-14	BUB	34-62	4202B	♦BUB	79-36		
1547/13	BUB	52-47	2417	♦OEI	97-2	3021-15	♦BUB	33-59	3322-14	BUB	34-16	4210	DMC	85-54		
1547/15	♦BUB	52-48	2421	♦OEI	97-3	3021/13	BUB	33-81	3323-14	BUB	34-63	4211	DMC	85-55		
1547/16	♦BUB	52-49	2435	♦OEI	79-16	3021/15	♦BUB	33-82	3327	♦OEI	81-65	4220	DMC	85-56		
1547/26	BUB	52-50	2457	♦OEI	78-106	3021/16	♦BUB	33-83	3328	♦OEI	81-66	4221	DMC	85-57		
1548-13	BUB	52-38	2507	♦OEI	79-8	3021/26	♦BUB	33-84	3329	♦OEI	82-43	4230	DMC	85-58		
1548-16	♦BUB	52-39	2519	♦OEI	79-4	3022	♦EELC	78-62	3330	♦OEI	81-67	4231	DMC	85-59		
1548-25	BUB	52-56	2523	♦OEI	97-4	3022-15	♦BUB	34-23	3331	♦OEI	81-68	4240	DMC	85-60		
1548-26	BUB	52-40	2531	♦OEI	79-20	3022/13	BUB	34-31	3332	♦OEI	81-69	4241	DMC	85-61		
1549/13	BUB	52-34	2532	♦OEI	97-5	3022/15	♦BUB	34-32	3333	♦OEI	81-70	4250	DMC	21-59		
1549/15	♦BUB	52-35	2533	♦OEI	79-21	3022/16	♦BUB	34-33	3334	♦OEI	81-80		INL	85-62		
1549/16	♦BUB	52-36	2534	♦OEI	79-17	3022/26	BUB	34-34	3335	♦OEI	81-81	4250C	INL	21-61		
1549/26	BUB	52-37	2536	♦OEI	78-107	3034/17	♦BUB	36-98	3336	♦OEI	81-82	4251	DMC	85-63		
1552-15	♦BUB	33-108	2537	♦OEI	78-105	3038/25	BUB	53-15	3336-27	BUB	42-16	4253-01	♦TPN	55-20		
1552/16	♦BUB	40-48	2538	♦OEI	79-12	3042/16	BUB	52-63	3337	♦OEI	81-60	4260	DMC	85-64		
1552/17	♦BUB	40-49	2543	♦OEI	79-22	3043/15	BUB	43-97	3337-27	BUB	42-47	4261	DMC	85-65		
1554/13	BUB	40-54	2544	♦OEI	79-18	3044-15	♦BUB	38-43	3338	♦OEI	81-62	4270	DMC	85-66		
1554/15	♦BUB	40-55	2709BG	TSC	36-48	3044/15	BUB	38-41	3338-27	BUB	42-17	4271	DMC	85-67		
1554/16	♦BUB	40-56	2709CG	TSC	28-17	3045/16	BUB	45-9	3339	♦OEI	81-63	4706-02	♦TPN	81-52		
1554/26	BUB	40-57	2731	MDI	58-5	3046/40	BUB	45-10	3339-27	BUB	42-48	4707-01	♦TPN	82-13		
1555/13	♦BUB	43-5	2740BE	♦TSC	27-41	3049-15	BUB	44-15	3345-14	BUB	55-50	4707-02	♦TPN	82-14		
1555/16	♦BUB	43-6	2740CE	♦TSC	27-47	3050S01	BUB	36-18	3346-14	♦BUB	55-51	4708-03	♦TPN	81-74		
1555/25	♦BUB	43-7	2740DE	♦TSC	29-52	3050S/01	♦BUB	36-14	3348-03	♦BUB	38-20	4708-3	♦TPN	81-51		
	ITI		2802BG	TSC	73-21	3052A/01	BUB	36-35	3349-03	♦BUB	38-49	4709-01	♦TPN	82-36		
1555/26	BUB	43-8	2803BG	TSC	73-22	3053A/01	BUB	36-92	3350	♦OEI	97-34	4709-03	♦TPN	82-37		
1556-15	♦BUB	33-21	2809BG	TSC	36-82	3054S01	♦BUB	36-17	3350-03	♦BUB	38-69	4710-3	♦TPN	81-75		
1556/13	BUB	40-29	2809CG	TSC	29-62	3054S/01	♦BUB	36-15	3351	♦OEI	97-34	4715-02	♦TPN	82-38		
1556/16	♦BUB	40-30	2901A	♦BUB	43-18	3056A/01	BUB	36-36	3352-03	♦BUB	33-22	4715-03	♦TPN	82-39		
1556/26	BUB	40-32	3001-15	♦BUB	21-70	3058/01	BUB	36-93	3357-15	♦BUB	33-14	4850	♦TPN	97-38		
1557-15	BUB	36-77	3001/13	BUB	21-71	3061-25	BUB	23-19	3358-12C	BUB	33-15	5003	♦MDI	55-14		
1557/16	♦BUB	40-79	3001/15	♦BUB	21-72	3062-15	♦BUB	55-26	3360	♦OEI	81-16	5010	♦OEI	80-88		
1557/17	♦BUB	40-80	3001/16	♦BUB	21-73	3062/15	♦BUB	36-31	3370	♦OEI	82-32	5040	♦OEI	80-54		
1557/16	♦BUB	40-79	3001/26	BUB	21-73	3062/15	♦BUB	36-39	3371	♦OEI	81-71	5050	♦OEI	79-80		
1558E	♦TSC	34-5	3002-15	♦BUB	21-74	3063/40	BUB	44-86	3374	♦OEI	82-33	5060	♦OEI	81-28		
1560-13	BUB	44-40	3002/13	♦BUB	21-75	3064/12C	♦BUB	40-84	3375	♦OEI	82-49	5061	♦OEI	81-27		
1560-16	♦BUB	44-41	3002/15	♦BUB	21-76	3064/15	♦BUB	40-85	3376	♦OEI	82-50	5062	♦OEI	81-29		
1560-25	♦BUB	44-42	3002/16	♦BUB	21-77	3065/15	♦BUB	33-60	3377	♦OEI	82-34	5091WB	DAM	81-91		
1560-26	BUB	44-43	3002/26	♦BUB	21-78	3068-17	♦BUB	36-30	3378	♦OEI	82-35	5091WXA	DAM	81-92		
1573	MDI	40-81	3003-15	♦BUB	27-60	3068/17	♦BUB	36-29	3379	♦OEI	82-25	5099WA	DAM	81-93		
1615	MDI	33-106	3003/13	BUB	33-1	3069-49	BUB	78-66	3380	♦OEI	82-26	5100	♦MDI	58-23		
1618	MDI	38-55	3003/15	♦BUB	33-2	3070/40	BUB	52-62	3382	♦OEI	81-72	5109A	♦OEI	80-7		
1626	MDI	44-82	3003/16	♦BUB	33-3	3071-25	BUB	41-94	3383	♦OEI	81-73	5109C	♦OEI	80-8		
1643A-16	♦BUB	52-105	3003/26	♦BUB	33-4	3072-25	BUB	41-102	3403A	♦BUB	42-56	5114WA	DAM	81-94		
1643A-26	BUB	52-106	3004-15	♦BUB	27-77	3077-12C	BUB	38-61	3403B	♦BUB	42-38	5120A	♦OEI	81-23		
1644A-16	♦BUB	53-22	3004/13	BUB	33-17	3089PC	♦FSC	102-51	3420J	♦BUB	36-24	5130WA	DAM	81-95		
1644A-26	BUB	53-23	3004/15	♦BUB	33-18	3090-25	BUB	55-34	3420K	♦BUB	36-7	5130WB	DAM	81-96		
1650	MDI	34-13	3004/16	♦BUB	33-19	3104A12C	♦BUB	36-87	3420L	♦BUB	36-4	5174	♦OEI	82-51		
1671	MDI	41-35	3004/26	BUB	33-20		ITI		3421J	♦BUB	29-86	5175	♦OEI	82-52		
1673	MDI	42-67	3005-15	♦BUB	33-57	3112-12C	♦BUB	37-13	3421K	♦BUB	29-83	5176	♦OEI	82-53		
1680	MDI	44-83	3005/13	BUB	33-69	3112/12C	BUB	40-96	3421L	♦BUB	29-82	5179WXA	DAM	81-97		
1681	MDI	38-39	3005/15</													

2. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
5359WA	DAM	81-108	8556	DMC	82- 89	9736	OEI	52- 93	A1005	ITI	32- 21	AM27	MDI	58- 19
5372A	OEI	77- 55	8557	DMC	82- 81	9737	OEI	45- 6	A1019	ITI	32- 30	AM200A	DTL	55- 6
5378	OEI	76-106	8900	OEI	66- 20	9738	OEI	32- 96	A1029	ITI	32- 26	AM200B	DTL	55- 4
5385	OEI	77- 49	8901	OEI	66- 23	9739	OEI	33- 6	A1032	ITI	40- 75	AM200C	DTL	55- 3
5391	OEI	79- 62	9000	OEI	100- 8	9746	OEI	78- 49	A1072	ITI	35- 110	AM301A	DTL	53- 17
5395WYA	DAM	81-109	9001	DMC	78- 10	9776	OEI	44- 96	A3000	ITI	27- 98	AM301B	DTL	53- 9
5461WC	DAM	81-110		OEI		9800	OEI	78- 90	A3001	ITI	27- 99	AM302A	DTL	53- 32
5469WA	DAM	82- 1	9004	DMC	100- 9	9802	OEI	38- 9	A3002	ITI	27-100	AM302B	DTL	53- 31
5472WA	DAM	82- 2	9008	DMC	97- 39	9803	OEI	44- 66	A3003	ITI	27- 79	AM500	DTL	44- 68
5485	OEI	79- 41	9009	OEI	80- 84	9805	OEI	44-108	A4350	ITI	78- 97	AML27	MDI	58- 13
5500	OEI	80- 21	9018	OEI	97- 40	9806	OEI	44-103	A4351	ITI	78- 98	AN124	MATJ	56- 101
5501	OEI	77- 45	9024	OEI	80- 79	9807	OEI	43- 22	A6010	ITI	39- 88	AN127	MATJ	56- 7
5507	OEI	79- 45	9028	OEI	97- 41	9809	OEI	44- 48	A6020	ITI	39- 87	AN136	MATJ	56- 46
5515WXA	DAM	82- 3	9051	OEI	76-110	9810	OEI	78- 50	A8400#2	ITI	81- 64	AN155	MATJ	97- 44
5520WA	DAM	82- 4	9052	OEI	77- 50	9811	OEI	44- 57	A8402#2	ITI	81- 55	AN156	MATJ	99- 24
5524WA	DAM	82- 5	9053	OEI	77- 52	9812	OEI	45- 7	A8404#2	ITI	81- 66	AN202	MATJ	100- 17
5533WXA	DAM	82- 6	9070	OEI	55- 15	9813	OEI	29- 21	A8495#2	ITI	80- 33	AN203	MATJ	59- 17
5548WXA	DAM	82- 7	9071	OEI	55- 8	9814	OEI	27- 61	A8495#3	ITI	81- 17			102- 52
5559WA	DAM	82- 8	9072	OEI	55- 36	9815	OEI	31- 45	A8595#1	ITI	79- 28	AN204	MATJ	56- 81
5600	OEI	80- 9	9110	OEI	78- 86	9816	OEI	43- 14	A8595#2	ITI	80- 34	AN205	MATJ	100- 18
5607WB	DAM	82- 9	9110B	OEI	78- 47	9819	OEI	44- 27	A8595#3	ITI	81- 18	AN206	MATJ	102- 53
5616WB	DAM	82- 10	9118	OEI	62- 41	9820	OEI	78- 64	AA1101	GPS	100- 10	AN208	MATJ	97- 45
5627	OEI	79- 68	9125	OEI	24- 23	9821	OEI	36- 99	AA1102	GPS	100- 11	AN209	MATJ	100- 19
5658WB	DAM	81- 89	9130	OEI	42- 13	9822	OEI	44-101	AA1103	GPS	100- 12	AN210	MATJ	59- 18
5670BM	TSC	60- 15	9146	OEI	78- 63	9823	OEI	44- 72	AA1104	GPS	100- 13	AN211	MATJ	103- 17
5676WB	DAM	82- 11	9146A	OEI	78- 59	9824	OEI	44- 16	AA1105	GPS	100- 14	AN212	MATJ	57- 49
5712	OEI	80- 66	9156	OEI	45- 15	9824A	OEI	44-109	AA1106	GPS	100- 15	AN213	MATJ	58- 34
5748	OEI	80- 89	9162	OEI	78- 60	9825	OEI	31- 58	AB01	VDM	23- 7	AN215	MATJ	56- 43
5759	OEI	79- 30	9162A	OEI	78- 51	9827	OEI	29- 32	AB01-10	VDM	23- 4	AN217	MATJ	59- 16
5762	OEI	80- 90	9162B	OEI	78- 56	9829	OEI	39- 44	AB01-20	VDM	23- 5	AN219	MATJ	102- 54
5762B	OEI	80- 93	9165	OEI	32- 32	9830	OEI	44- 58	AB01-30	VDM	23- 6	AN220	MATJ	60- 16
5805	OEI	80- 1	9186	OEI	44- 88	9831	OEI	27- 81	AB21	VDM	44- 73	AN221	MATJ	100- 20
5822	OEI	80- 2	9186B	OEI	44- 92	9874-19	BUB	80- 35	AB49	MDI	56- 6	AN222	MATJ	100- 21
5822B	OEI	79- 95	9245	OEI	44- 89	9875-19	BUB	80- 36	ABL27	MDI	58- 16	AN223	MATJ	101- 21
5887	OEI	79- 32	9245A	OEI	44- 93	9876	OEI	45- 8	AD0042C	ANA	32- 18	AN224	MATJ	101- 22
5888	OEI	80- 77	9251	OEI	43- 15	9892-25	BUB	97- 43	AD111	ANA	77- 59	AN225	MATJ	101- 23
5889	OEI	80- 72	9263	OEI	42- 63	9905	OEI	78- 44	AD211	ANA	77- 60	AN227	MATJ	101- 24
5890	OEI	80- 78	9271	OEI	78- 52	11431	none	101- 18	AD311#1	ANA	77- 61	AN228	MATJ	100- 22
5895	OEI	81- 36	9278	OEI	42- 66	11436	none	101- 19	AD311#2	ANA	77- 62	AN228W	MATJ	101- 25
5897	OEI	79- 69	9300	OEI	21- 81	11440	none	101- 20	AD351J	ANA	76-105	AN229	MATJ	100- 23
5898	OEI	79- 42	9302	OEI	39- 28	11604	ZEL	31- 94	AD351K	ANA	76-103	AN230	MATJ	100- 24
5904	OEI	80- 41	9308	OEI	36- 38	12001W	none	104- 67	AD351S	ANA	76-104	AN231	MATJ	100- 25
6190	OEI	80- 81	9314	OEI	36- 37	13203	ZEL	33- 10	AD501A	ANA	41- 58	AN232	MATJ	100- 26
6210	OEI	80- 67	9380CP4	TMI	80- 13	13215	ZEL	33- 48	AD501B	ANA	41- 43	AN233	MATJ	100- 27
6220	OEI	80- 73	9380CP5	TMI	80- 14	13303	ZEL	31- 60	AD501C	ANA	41- 44	AN234	MATJ	101- 26
6230	OEI	80- 69	9380MP4	TMI	80- 15	13304	ZEL	31- 95	AD503TH	ANA	51- 60	AN235	MATJ	101- 27
6240	OEI	80- 74	9428	OEI	44- 90	14508	ZEL	42- 94	AD508JH	ANA	31- 59	AN237	MATJ	101- 28
6241	OEI	80- 70	9432	OEI	42- 10	14704	ZEL	42- 18	AD508KH	ANA	27- 54	AN238	MATJ	59- 83
6250	OEI	80- 61	9432A	OEI	97- 42	14710	ZEL	42- 45	AD508LH	ANA	27- 55	AN238S	MATJ	59- 95
6251	OEI	80- 71	9487	OEI	43- 55	16103	ZEL	31- 66	AD511A	ANA	51- 67	AN240	MATJ	100- 28
6260	OEI	80- 62	9491	OEI	44- 79	16104	ZEL	31- 96	AD511B	ANA	51- 63	AN240D	MATJ	100- 29
6261	OEI	80- 75	9501	GPS	34- 76	16110	ZEL	32- 14	AD511C	ANA	51- 64	AN241	MATJ	97- 46
6270	OEI	80- 82	9502	GPS	34- 65	16204	ZEL	33- 49	AD512J	ANA	37- 57	AN241D	MATJ	100- 30
6281	OEI	100- 7	9503	GPS	34- 45	16210	ZEL	34- 18	AD512K	ANA	37- 58	AN242	MATJ	101- 29
6342N	none	100- 16	9504	GPS	34- 46	34306A	none	85- 69	AD512S	ANA	37- 59	AN244	MATJ	102- 24
7100	OEI	77- 44	9505	GPS	34- 47	35000A	HPA	62- 57	AD513JH	ANA	39- 34	AN245	MATJ	101- 30
		99- 5	9506	GPS	34- 48	35001A	HPA	62- 78	AD513KH	ANA	39- 13	AN246	MATJ	100- 31
7805KC	TEC	64- 33	9510	DMC	78- 67	35002A	HPA	62- 70	AD513LH	ANA	51- 61	AN247	MATJ	59- 85
7805KM	TEC	64- 34		OEI		35005A	HPA	62- 58	AD513SH	ANA	39- 29	AN248	MATJ	59- 86
7805UC	TEC	64- 35	9524	OEI	44- 97	35007A	HPA	62- 56	AD513TH	ANA	51- 62	AN249	MATJ	100- 32
7806KC	TEC	65- 14	9570-100-117	TRA	90- 59	35007B	HPA	62- 55	AD516JH	ANA	39- 33	AN252	MATJ	56- 98
7806KM	TEC	65- 15	9641-101	TRA	69- 25	220721	TPN	85- 70	AD516KH	ANA	39- 10	AN253	MATJ	59- 12
7806UC	TEC	65- 16	9646-101	TRA	90- 60	425301	TPN	55- 21	AD516SH	ANA	39- 21	AN255	MATJ	101- 31
7808KC	TEC	65- 75	9648-19	BUB	80- 46	470210	TPN	81- 61	AD5342J	ANA	32- 27	AN258	MATJ	103- 18
7808KM	TEC	65- 76	9665D	FSC	95- 4	470901	TPN	82- 40	ADM501A	ANA	41- 59	AN260P	MATJ	102- 55
7808UC	TEC	65- 77	9665P	FSC	95- 5	470903	TPN	82- 41	ADM501B	ANA	41- 45	AN264	MATJ	57- 71
7812KC	TEC	67- 60	9666D	FSC	95- 6	A24	MDI	57- 78	ADM501C	ANA	41- 46	AN271	MATJ	103- 19
7812KM	TEC	67- 61	9666P	FSC	95- 7	A40	MDI	57- 82	ADO19	FCP	39- 30	AN272U	MATJ	57- 52
7812UC	TEC	67- 62	9667D	FSC	95- 8	A47	MDI	58- 84		ITI		AN275	MATJ	57- 43
7815KC	TEC	68- 76	9667P	FSC	95- 9	A140	ITI	45- 27	ADO20	FCP	44- 28	AN277	MATJ	102- 56
7815KM	TEC	68- 77	9671-19	BUB	80- 47	A149A	INT	44- 12	ADO21	FCP	44- 29	AN279	MATJ	101- 32
7815UC	TEC	68- 78	9682	OEI	78- 68	A149B	INT	44- 9	ADO22	FCP	44- 24	AN281	MATJ	101- 33
7818KC	TEC	70- 1	9684	OEI	27-101	A150	ITI	21- 36	ADO23	FCP	44- 25	AN282	MATJ	101- 34
7818KM	TEC	70- 2	9685	OEI	27- 80	A151	ITI	21- 35	ADO24	FCP	44- 19	AN288	MATJ	101- 35
7818UC	TEC	70- 3	9686	OEI	45- 5	A180A	ITI	31- 53	ADO25	FCP	44- 20	AN289	MATJ	101- 36
7824KC	TEC	72- 93	9687	OEI	45- 16	A180B	ITI	31- 38	ADO39	FCP	23- 43	AN294	MATJ	102- 25
7824KM	TEC	72- 94	9688	OEI	43- 13	A180J	ITI	31- 52		ITI		AN313	MATJ	57- 24
7824UC	TEC	72- 95	9689	OEI	78- 69	A180K	ITI	31- 39	ADO40	FCP	34- 39	AN313U	MATJ	57- 27
8007m	none	21- 2	9690	OEI	78- 70	A183J	ITI	42- 9	ADO41	FCP	34- 60	AN315	MATJ	56- 97
8100	OEI	67- 82	9690A	OEI	78- 71	A183K	ITI	42- 3	ADO49A	FCP	38- 70	AN320	MATJ	103- 82
8106	OEI	78- 42	9691	OEI	78- 74	A183L	ITI	41-106	ADO49C	FCP	39- 7	AN321	MATJ	101- 37
8217	OEI	67- 87	9691A	OEI	78- 75	A190	ITI	78- 8	ADO52A	FCP	22- 65	AN325	MATJ	101- 38
8218	OEI	68- 97	9692	OEI	43- 86	A191	ITI	78- 9	ADO52C	FCP	22- 66	AN326	MATJ	103- 83
8220	OEI	63- 75	9693	OEI	78- 48	A214	ITI	21- 96	ADO72B	FCP	36- 3	AN328	MATJ	100- 33
8400	OEI	85- 68	9694	OEI	39- 27	A215	ITI	21- 97		ITI		AN331	MATJ	100- 34
8501	GPS	34- 75	9695	OEI	43- 61	A242	ITI	22- 80	ADO101B	FCP	40- 78	AN332	MATJ	100- 35
8502	GPS	34- 64	9696	OEI	44- 49	A280	ITI	54- 99	ADP501A	ANA	41- 60	AN333	MATJ	100- 36
	VAO		9698	OEI	78- 88	A501	INT	44-						

2. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

LINEAR	TYPE No.		MFRS Pg&Line		TYPE No.		MFRS Pg&Line		TYPE No.		MFRS Pg&Line		TYPE No.		MFRS Pg&Line	
	TYPE No.	MFRS Pg&Line	TYPE No.	MFRS Pg&Line	TYPE No.	MFRS Pg&Line	TYPE No.	MFRS Pg&Line	TYPE No.	MFRS Pg&Line	TYPE No.	MFRS Pg&Line	TYPE No.	MFRS Pg&Line	TYPE No.	MFRS Pg&Line
	AN5610	♦MATJ	101-46	CA3042	♦RCA	58-85	CE12-12D35	♦SCD	91-2	CO284XV	none	83-9	DD5-2.12.25	SCD	91-53	
	AN5630	♦MATJ	101-47		SGAI	60-19	CE12-12S250	♦SCD	91-3	CO288-2	none	83-10	DD5-2.12.35	SCD	91-54	
	AN6320	♦MATJ	102-27			100-42	CE12-12S75	♦SCD	91-4	CO636AV1	none	83-11	DD5-2.15.100	SCD	91-55	
	AN7150	MATJ	57-36	CA3043	♦RCA	58-3	CE12-15D100	♦SCD	91-5	CO636AV3	none	83-12	DD5-2.15.25	SCD	91-56	
	AN7151	MATJ	57-37			60-18	CE12-15D30	♦SCD	91-6	CO636AV5	none	83-13	DD5-2.15.30	SCD	91-57	
	AN7156	♦MATJ	57-83			97-57	CE12-15S200	♦SCD	91-7	CO636AV	none	83-14	DD5-2.18.100	SCD	91-58	
	AP27	♦MDI	58-8	CA3044	RCA	60-17	CE12-15S60	♦SCD	91-8	COP275VHA	none	81-88	DD5-2.18.25	SCD	91-59	
	AT27	♦MDI	58-9			97-58	CE12-18D25	♦SCD	91-9	COA22	TPN	52-2	DD5-2.18.85	SCD	91-60	
	ATF401	♦APX	32-39	CA3045	FSC	95-19	CE12-18D85	♦SCD	91-10	CS2-5D10-12D3		85-77	DD5-2.24.18	SCD	91-61	
	ATF402	APX	32-37	CA3045F	♦RCA	95-20	CE12-24D18	♦SCD	91-11		♦SCD		DD5-2.24.25	SCD	91-62	
	ATF403	APX	32-38	CA3046	FSC	95-21	CE12-24D20	♦SCD	91-12	CS2-5D20/1-12D3		85-78	DD5-2.24.62	SCD	91-63	
	ATF404	♦APX	39-35	CA3047	♦RCA	22-102	CE12-24D62	♦SCD	91-13		♦SCD		DD5-2.24.75	SCD	91-64	
	ATF406	APX	38-51	CA3047A	♦RCA	46-51	CE12-24D75	♦SCD	91-14	CS2-5S20-15D3		85-79	DD6-1.12.250	SCD	91-65	
	ATF408	APX	38-52	CA3049Δ	LSI	95-22	CE12-24S125	♦SCD	91-15		♦SCD		DD6-1.12.75	SCD	91-66	
	ATF493	♦APX	56-28	CA3049□	♦RCA	95-23	CE12-24S36	♦SCD	91-16	CS2-5S50	♦SCD	85-80	DD6-1.24.125	SCD	91-67	
	ATF494	♦APX	56-29	CA3053Δ	LSI	59-103	CE12-28S100	♦SCD	91-17	CS2-12S20	♦SCD	85-81	DD6-1.24.36	SCD	91-68	
	ATP20	♦MDI	58-11	CA3053F	♦RCA	54-14	CE12-28S32	♦SCD	91-18	CS2-12S6-5D10		85-82	DD6-1.28.110	SCD	91-69	
	ATP24	MDI	57-79			59-38	CE28-5S180	♦SCD	91-19		♦SCD		DD6-1.28.32	SCD	91-70	
	B32	DDC	78-11	CA3055	RCA	63-3	CE28-5S600	♦SCD	91-20	CS2-12S6-5D20/1		85-83	DD6-1.30.100	SCD	91-71	
	B34	DDC	78-72		SGAI		CE28-12D100	♦SCD	91-21		♦SCD		DD6-1.30.30	SCD	91-72	
	BA100	TPN	78-57	CA3056-741C	♦RCA	26-1	CE28-12D125	♦SCD	91-22	CTS862	♦CMI	29-77	DD6-1.5.180	SCD	91-73	
	BA720	♦HIS	78-83	CA3056A741	♦RCA	25-3	CE28-12D25	♦SCD	91-23	CTS870	♦CMI	64-58	DD6-1.5.600	SCD	91-74	
	BHA0001	SOD	57-12	CA3064	FSC	100-43	CE28-12D35	♦SCD	91-24	CTS873	♦CMI	69-24	DD6-2.12.100	SCD	91-75	
	BHA0002	SOD	58-22	CA3064T	FSC	100-44	CE28-12S250	♦SCD	91-25	CTS878	♦CMI	73-55	DD6-2.12.125	SCD	91-76	
	BHA0004	SOD	57-1	CA3065	FSC	97-59	CE28-12S75	♦SCD	91-26	CTS879	♦CMI	73-45	DD6-2.12.25	SCD	91-77	
	BHN0001	♦SOD	65-38	CA3065D	FSC	97-60	CE28-15D100	♦SCD	91-27		♦DDC	39-16	DD6-2.12.35	SCD	91-78	
	BHN0002	♦SOD	64-80	CA3065E	FSC	97-61	CE28-15D30	♦SCD	91-28	D3	DDC	37-44	DD6-2.15.100	SCD	91-79	
	BHR0001	♦SOD	97-52	CA3066	FSC	101-48	CE28-15S200	♦SCD	91-29	D4	♦DDC	39-36	DD6-2.15.25	SCD	91-80	
	BML120	TPN	78-82	CA3066D	FSC	101-49	CE28-15S60	♦SCD	91-30	D5	DDC	41-64	DD6-2.15.30	SCD	91-81	
	BN4000	SOD	64-83	CA3066E	FSC	101-50	CE28-18D25	♦SCD	91-31	D6	DDC	41-7	DD6-2.18.100	SCD	91-82	
	BN4001	SOD	66-104	CA3067	FSC	101-51	CE28-18D85	♦SCD	91-32	D7	DDC	37-43	DD6-2.18.25	SCD	91-83	
	BN4002	SOD	69-80	CA3067D	FSC	101-52	CE28-24D18	♦SCD	91-33	D8	DDC	37-40	DD6-2.18.85	SCD	91-84	
	BN4003	SOD	72-39	CA3067E	FSC	101-53	CE28-24D20	♦SCD	91-34	D9	DDC	43-1	DD6-2.24.18	SCD	91-85	
	BN4004	SOD	64-84	CA3068	FSC	100-45	CE28-24D62	♦SCD	91-35	D10	DDC	32-19	DD6-2.24.25	SCD	91-86	
			97-53	CA3075D	FSC	102-59	CE28-24D75	♦SCD	91-36	D11	DDC	40-71	DD6-2.24.62	SCD	91-87	
	BN4005	SOD	65-94	CA3075E	FSC	102-60	CE28-24S125	♦SCD	91-37	D11B	DDC	40-72	DD6-2.24.75	SCD	91-88	
			97-54	CA3078	♦RCA	21-64	CE28-24S36	♦SCD	91-38	D12	DDC	37-39	DD12-1.12.250	SCD	91-89	
	BN4006	SOD	66-105	CA3078AF	♦RCA	21-65	CE28-28S100	♦SCD	91-39	D13V	♦GEESY	73-25	DD12-1.12.75	SCD	91-90	
			97-55	CA3078F	♦RCA	21-66	CE28-28S32	♦SCD	91-40	D14	DDC	43-2	DD12-1.24.125	SCD	91-91	
	BN4008	SOD	63-18	CA3083F	♦RCA	95-24	CHA1	TPN	36-57	D15	DDC	42-83	DD12-1.24.36	SCD	91-92	
	BN4009	SOD	63-19	CA3086Δ	FSC	95-25	CHA1	TPN	45-38	D16	DDC	37-41	DD12-1.28.110	SCD	91-93	
			97-56	CA3086F	♦RCA	95-26	CHA2	TPN	33-50	D17	DDC	43-9	DD12-1.28.32	SCD	91-94	
	BN4100	SOD	63-17	CA3090Q	♦RCA	103-22	CJSE022	none	64-81	D18	DDC	37-34	DD12-1.30.100	SCD	91-95	
	BN4101	SOD	64-82	CA3095E	♦RCA	95-27	CMC100	♦TSC	69-43	D19	DDC	40-82	DD12-1.30.30	SCD	91-96	
	BN4102	SOD	66-103	CA3095H	♦RCA	95-28	CMC104	TSC	71-89	D20B	DDC	52-57	DD12-1.5.180	SCD	91-97	
	BN4103	SOD	69-79	CA3100F	♦RCA	42-72	CMC105	♦TSC	72-21	D21B	DDC	40-83	DD12-1.5.500	SCD	91-98	
	BN4104	SOD	73-26	CA3121E	♦RCA	101-54	CMC200	♦TSC	69-34	D22	DDC	40-45	DD12-2.12.100	SCD	91-99	
	BPM15-30	♦DTL	90-62	CA3128Q	♦RCA	101-55	CMC205	♦TSC	72-22	D22B	DDC	40-46	DD12-2.12.125	SCD	91-100	
	BPM15-60A	♦DTL	85-73	CA3140AE#2	♦RCA	21-21	CMC300	♦TSC	69-26	D23	DDC	52-9	DD12-2.12.25	SCD	91-101	
	BPM15-60AJ	♦DTL	85-74	CA3140AS#2	♦RCA	21-22	CMC305	♦TSC	70-17	D24	DDC	40-35	DD12-2.12.35	SCD	91-102	
	BQ100	TPN	78-58	CA3140AT#2	♦RCA	21-23	CMC513	TSC	68-47	D25	DDC	39-15	DD12-2.15.100	SCD	91-103	
	BSM15-1.5	♦DTL	85-75	CA3140BS#2	♦RCA	21-19	CMC513-1	TSC	68-45	D26	DDC	52-79	DD12-2.15.25	SCD	91-104	
	BSM15-1.5E	♦DTL	85-76	CA3140BT#2	♦RCA	21-20	CMC513-2	TSC	68-48	D27	♦DDC	43-56	DD12-2.15.30	SCD	91-105	
	CO25F16M	none	82-107	CA3140E#2	♦RCA	21-24	CMC513-3	TSC	68-46	D28	DDC	40-15	DD12-2.18.100	SCD	91-106	
	C45	DDC	41-96	CA3140S#2	♦RCA	21-25	CMC513-4	TSC	68-49	D30B	DDC	52-21	DD12-2.18.25	SCD	91-107	
	C46	DDC	44-32	CA3140T#2	♦RCA	21-26	CMC602	TSC	61-47	D31	DDC	52-23	DD12-2.18.85	SCD	91-108	
	C100	♦INT	80-83	CA3280AG	none	44-69	CMC602-1	♦TSC	62-7	D32	DDC	44-74	DD12-2.24.18	SCD	91-109	
	C101	♦INT	80-80	CA3280G	none	44-70	CMC602-2	♦TSC	62-8	D33	DDC	44-75	DD12-2.24.25	SCD	91-110	
	C216	♦CPD	71-60	CA3724G	♦RCA	95-29	CMC723	TSC	71-15	D34	DDC	52-24	DD12-2.24.62	SCD	92-1	
	C226	♦CPD	73-23	CA3725G	♦RCA	95-30	CMC5000	♦TSC	71-90	D35	♦DDC	52-82	DD12-2.24.75	SCD	92-2	
	CO232-5	none	82-85	CCA3	TPN	45-33	CMC5100	TSC	68-92	D41	♦DDC	53-33	DD28-1.12.250	SCD	92-3	
	CO232TV	none	82-86	CD4046AF	none	104-2	CMPO1L	♦PMI	77-5	D42	♦DDC	52-25	DD28-1.12.75	SCD	92-4	
	CO234B3	none	82-87	CD4046AH	none	104-3	CMPO2L	♦PMI	77-6	D125A	♦HBC	81-25	DD28-1.24.125	SCD	92-5	
	CO239AV	none	82-88	CD4046AK	♦RCA	104-4	CMPBLEY	none	74-48	D125B	♦HBC	81-26	DD28-1.24.36	SCD	92-6	
	CO284X	none	82-110	CD4A3A	TPN	45-43	CMP81CJ	none	74-50	D555CJ	♦TSC	97-62	DD28-1.28.110	SCD	92-7	
	C800	♦TPN	78-38	CE5-5S180	♦SCD	90-63	CMP81EJ	none	74-51	D4083	EEC	51-69	DD28-1.28.32	SCD	92-8	
	CA45	DDC	23-74	CE5-5S600	♦SCD	90-64	CMP82EJ	none	74-49	D4084	EEC	52-1	DD28-1.30.100	SCD	92-9	
	CA108AS	♦RCA	23-49	CE5-12D100	♦SCD	90-65	CO201	VEL	81-4	D5010	GPS	81-30	DD28-1.30.30	SCD	92-10	
	CA108AT	♦RCA	23-50	CE5-12D125	♦SCD	90-66	CO201-5	VEL	80-103	D5020	GPS	81-31	DD28-1.5.180	SCD	92-11	
	CA108S	♦RCA	23-53	CE5-12D25	♦SCD	90-67	CO202	VEL	81-5	D5030	GPS	81-32	DD28-1.5.600	SCD	92-12	
	CA108T	♦RCA	23-54	CE5-12D35	♦SCD	90-68	CO202-5	VEL	80-104	D5040	GPS					

2. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
DM709F	DDC	35- 8	EE15D50	SCD	86- 10	FSS217C	FERB	58- 50	H8010C	FCP	77- 39	HA17747M	HITJ	44- 56
DM709T	DDC	35- 7	EE15D50E	SCD	86- 11	FSS217D	FERB	58- 49		SOD		HA17747M	HITJ	43- 107
DM710F	DDC	75- 56	EE15D50EG	SCD	86- 12	FST101A	DMC	44- 11	H9000A	FCP	33- 16	HAD130	EGG	97- 73
DM711	DDC	74- 64	EE15D100	SCD	86- 13	FST101B	DMC	44- 8		SOD		HAD1000	EGG	40- 110
DPA500	SIE	24- 91	EE15D100E	SCD	86- 14	FST102A	DMC	43- 49	H9010A	FCP	33- 55	HB15	DDC	31- 67
DRAM6.8A10	SIE	99- 25	EE15D200	SCD	86- 15	FST102B	DMC	43- 50		SOD		HB50	DDC	38- 12
DRAM6.8A100	SIE	99- 26	EE15D200E	SCD	86- 16	FST104A	DMC	43- 46	H9010B	FCP	33- 56	HC15	DDC	31- 97
DRAM6.8A25	SIE	99- 27	EE15S100	SCD	86- 17	FST104B	DMC	43- 46		SOD		HC50	DDC	38- 40
DRAM6.8A50	SIE	99- 28	EE15S100E	SCD	86- 18	FST151A	DMC	44- 10	H9020A	FCP	33- 11	HC1050-1	TRA	92- 71
DRAM6.8B10	SIE	99- 29	EE15S100EG	SCD	86- 19	FST151B	DMC	44- 10		SOD		HC1060-1	TRA	92- 72
DRAM6.8B100	SIE	99- 30	EE15S100G	SCD	86- 20	FST152A	DMC	46- 60	H9020B	FCP	33- 12	HC1080-1	TRA	92- 73
DRAM6.8B25	SIE	99- 31	EP525AU	TPN	32- 64	FST152B	DMC	46- 56		SOD		HC1100-1	TRA	92- 74
DRAM6.8B50	SIE	99- 32	EP55AU	TPN	32- 64	FST152C	DMC	46- 52	H9030A	FCP	52- 76	HC1101-1	TRA	92- 75
DRVL6.4B10P	SIE	99- 33	EP55AU	TPN	32- 64	FST155A	DMC	43- 24		SOD		HC1120-1	TRA	92- 76
DRVL6.4B10OP	SIE	99- 33	ESL1	TPN	45- 59	FST155B	DMC	46- 49	H9030B	FCP	52- 77	HC1150-1	TRA	92- 77
DRVL6.4B25F	SIE	99- 35	F8DA25	MIA	86- 22	FST156A	DMC	46- 48		SOD		HC1200-1	TRA	92- 78
DRVL6.4B50F	SIE	99- 35	F8DA25	MIA	86- 22	FST156B	DMC	46- 48	HA1-2111	HAS	77- 7	HC1201-1	TRA	92- 79
DRVM6.4B10P	SIE	99- 37	F10DA20	MIA	86- 24	FST157A	DMC	46- 51	HA1-2211	HAS	77- 8	HC1201-1	TRA	92- 80
DRVM6.4B10OP	SIE	99- 38	F12DA25	MIA	86- 25	FST157C	DMC	46- 51	HA1-2800	HAS	30- 56	HC1300-1	TRA	92- 81
DRVM6.4B100N	SIE	99- 39	F12DB05	MIA	86- 26	FST158A	DMC	46- 58	HA1-2825	HAS	104- 5	HC1301-1	TRA	92- 82
DRVM6.4B100P	SIE	99- 40	F15SB25	MIA	86- 27	FST158B	DMC	46- 54	HA1-F2800	HAS	104- 6	HC1500-1	TRA	92- 84
DRVM6.4B25P	SIE	99- 40	F15TA10S	MIA	86- 28	FST159B	DMC	46- 59	HA2-F2805-2	HAS	104- 7	HC3120-1	TRA	92- 85
DRVM6.4B50N	SIE	99- 43	F18DA20X	MIA	86- 30	FST160A	DMC	46- 55	HA2-F2805	HAS	104- 8	HC3120-1	TRA	92- 86
DRVM6.4B50P	SIE	99- 44	F18TA08D	MIA	86- 31	FST160B	DMC	46- 63	HA2-909A	HAS	24- 8	HC3180-1	TRA	92- 87
DT15150	none	92- 27	F18TA08S	MIA	86- 32	FST161A	DMC	46- 66	HA2-2000	HAS	78- 15	HC3250-1	TRA	92- 88
DTD5-2.24.20	SCD	92- 28	F20DA15	MIA	86- 33	FST161B	DMC	46- 64	HA2-2000A	HAS	78- 16	HC4050-1	TRA	92- 89
DTD5-2.5.90	SCD	92- 29	F20DB05	MIA	86- 34	G106	EEC	62- 9	HA2-2005A	HAS	78- 18	HC4080-1	TRA	92- 91
DTD5-2.6.75	SCD	92- 30	F20DA20	MIA	86- 35	G206	EEC	56- 93	HA2-2050	HAS	40- 8	HC4080-1	TRA	92- 92
DTD5-2.12.38	SCD	92- 31	F24DA15X	MIA	86- 36	GEL189F1	GESY	59- 21	HA2-2050A	HAS	40- 9	HC4100-1	TRA	92- 93
DTD6-2.15.30	SCD	92- 32	F24DB08	MIA	86- 37	GEL222F1	GESY	57- 63	HA2-2055A	HAS	40- 10	HC4120-1	TRA	92- 94
DTD6-2.24.20	SCD	92- 33	F24TA05D	MIA	86- 38	GEL223F1	GESY	22- 103	HA2-2055A	HAS	40- 7	HC4120-1	TRA	92- 95
DTD6-2.25.90	SCD	92- 34	F24TA05S	MIA	86- 39	GEL230F1	GESY	56- 72	HA2-2060	HAS	35- 102	HC4150-1	TRA	92- 96
DTD6-2.5.90	SCD	92- 35	F28DA15X	MIA	86- 40	GEL230F2	GESY	22- 83	HA2-2060A	HAS	35- 97	HC4151-1	TRA	92- 97
DTD12-2.24.20	SCD	92- 36	F28DB05	MIA	86- 41	GEL234F	GESY	57- 60	HA2-2065	HAS	35- 103	HC4200-1	TRA	92- 98
DTD12-2.90	SCD	92- 37	F28DB08	MIA	86- 42	GEL237F1	GESY	57- 69	HA2-2065A	HAS	35- 98	HC4200-1	TRA	92- 99
DTD12-2.8.75	SCD	92- 38	F200SA05	MIA	86- 43	GEL239F1	GESY	57- 23	HA2-2111	HAS	77- 9	HC4240-1	TRA	92- 100
DTD15-2.12.38	SCD	92- 40	F200SB03	MIA	86- 44	GEL239F2	GESY	56- 92	HA2-2211	HAS	77- 10	HC4280-1	TRA	92- 101
DTD15-2.15.30	SCD	92- 41	F318A	CPD	46- 11	GEL246F	GESY	58- 46	HA2-2311	HAS	77- 10	HC4280-1	TRA	92- 102
DTD15-2.15.20	SCD	92- 41	F318B	CPD	46- 12	GEL246S1	GESY	58- 46	HA2-2605-2	INL	31- 18	HC4301-1	TRA	92- 103
DTD15-2.5.90	SCD	92- 42	F318C	CPD	46- 13	GEL263F1	GESY	58- 24	HA2-2625-2	INL	31- 18	HC4500-1	TRA	92- 104
DTD15-2.6.75	SCD	92- 43	FA201	INT	78- 39	GEL263S1	GESY	58- 25	HA2A1201	HAS	49- 22	HC4750-1	TRA	92- 105
DTD28-2.12.38	SCD	92- 44	FA202	INT	78- 40	GEL264S1	GESY	66- 107	HA2A2101A	HAS	49- 55	HC5120-1	TRA	92- 106
DTD28-2.15.30	SCD	92- 45	FA203	INT	78- 41	GEL265S1	GESY	70- 16	HA2A2107	HAS	49- 56	HC5150-1	TRA	92- 107
DTD28-2.24.20	SCD	92- 46	FA401	INT	32- 108	GEL266F1	GESY	57- 61	HA2A2107-3	HAS	49- 23	HC5180-1	TRA	92- 108
DTD28-2.5.90	SCD	92- 47	FA501	INT	62- 77	GEL277S1	GESY	58- 26	HA2A2201A	HAS	49- 57	HC5250-1	TRA	92- 109
DTD28-2.6.75	SCD	92- 48			78- 76	GEL300F1	GESY	99- 9	HA2A2207	HAS	49- 58	HC7150-1	TRA	92- 110
DTS5-1.15.60	SCD	92- 49	FA502	INT	44- 87	GEL301F1	GESY	99- 10	HA2A2301A	HAS	28- 74	HD42851	HITJ	104- 9
DTS5-1.24.38	SCD	92- 50	FA601	INT	55- 46	GEL741D1	DMC	26- 2	HA2A2307	HAS	50- 27	HD42853	HITJ	104- 10
DTS5-1.6.150	SCD	92- 51	FA601A	INT	55- 16	GEL741D2	DMC	25- 4	HA3-4741	HAS	43- 60	HD42854	HITJ	104- 64
DTS6-1.12.75	SCD	92- 52	FA602	INT	55- 43	GEL741F1	DMC	26- 3	HA9-909A	HAS	24- 43	HD42855	HITJ	104- 65
DTS6-1.15.60	SCD	92- 53	FLT-BP4B20KQ10	DTL	104- 39	GEL1495	GESY	80- 22	HA9-911	HAS	24- 28	HE382	CPD	88- 45
DTS6-1.24.38	SCD	92- 54				GEL1496	GESY	97- 64	HA9-2500	HAS	36- 65	HE382E	CPD	88- 46
DTS6-1.5.180	SCD	92- 55	FLT-BP4B20KQ5	DTL	104- 40	GEL1595	GESY	80- 23	HA9-2502	HAS	36- 68	HE582	CPD	88- 47
DTS6-1.6.150	SCD	92- 56				GEL1596	GESY	97- 65	HA9-2505	HAS	36- 69	HE582E	CPD	88- 48
DTS12-1.12.75	SCD	92- 57	FLT-BP4B50Q10	DTL	104- 41	GEL1741AD	GESY	26- 4	HA9-2510	HAS	36- 70	HEPC6005-RT	MOTA	57- 41
DTS12-1.15.60	SCD	92- 58				GEL2111AL1	GESY	97- 66	HA9-2515	HAS	36- 83	HEPC6006-RT	MOTA	57- 54
DTS12-1.24.38	SCD	92- 59	FLT-BP4B50Q5	DTL	104- 42	GEL2111F1	GESY	97- 67	HA9-2515	HAS	36- 103	HEPC6057P-RT	MOTA	101- 60
DTS12-1.6.150	SCD	92- 60	FLT-BP4B50Q10	DTL	104- 43	GEL2113AL1	GESY	97- 68	HA9-2520	HAS	36- 71	HEPC6058P-RT	MOTA	100- 53
DTS15-1.12.75	SCD	92- 61				GEL2113F1	GESY	97- 69	HA9-2522	HAS	36- 84	HEPC6060P-RT	MOTA	100- 54
DTS15-1.15.60	SCD	92- 62	FLT-BP4B500Q5	DTL	104- 44	GEL2117AL1	GESY	97- 70	HA9-2525	HAS	36- 104	HEPC6062P-RT	MOTA	100- 55
DTS15-1.24.38	SCD	92- 63				GEL2117F1	GESY	97- 71	HA9-2525	HAS	31- 1	HEPC6065P-RT	MOTA	103- 23
DTS15-1.5.180	SCD	92- 64	FLT-LP4B5K	DTL	104- 45	H15	DDC	43- 80	HA9-2602	HAS	31- 20	HK15	DDC	32- 23
DTS15-1.6.150	SCD	92- 65	FLT-LP4B50	DTL	104- 46	H50A1	DDC	32- 6	HA9-2605	HAS	31- 21	HT58	XDS	52- 89
DTS28-1.12.75	SCD	92- 66	FLT-LP4B50K	DTL	104- 47	H50A2	DDC	40- 28	HA9-2620	HAS	30- 57	HT72	XDS	45- 18
DTS28-1.15.60	SCD	92- 67	FLT-LP4B500	DTL	104- 48	H50B1	DDC	40- 42		INL		HIT73	XDS	74- 56
DTS28-1.24.38	SCD	92- 68	FLT-LP4L5K	DTL	104- 49	H50B2	DDC	40- 76	HA9W2101	HAS	49- 24	HZ15	DDC	32- 31
DTS28-1.5.180	SCD	92- 69	FLT-LP4L50	DTL	104- 50	H50B3	DDC	40- 101	HA9W2101A	HAS	49- 59	IC28-700C	EFM	93- 1
DTS28-1.6.150	SCD	92- 70	FLT-LP4L50K	DTL	104- 51	H50C1	DDC	40- 101	HA9W2107	HAS	49- 25	IC28-700F	EFM	93- 2
DVR100A	SIE	67- 83	FLT-LP4L500	DTL	104- 52	H50C2	DDC	40- 107	HA9W2107-3	HAS	49- 26	IC28-700J	EFM	93- 3
DVR100B	SIE	67- 84	FLT-LP6B5K	DTL	104- 53	H60	DDC	44- 79	HA9W2201A	HAS	32- 2	IC28-700R	EFM	93- 4
DVR2802B3	SIE	67- 99	FLT-LP6B50	DTL	104- 54	H60B1	DDC	44- 79	HA9W2207	HAS	49- 61	IC28BPC	EFM	93- 5
DVR2803B3	SIE	67- 99	FLT-LP6B50K	DTL	104- 55	H60B2	DDC	44- 79	HA9W2301A	HAS	28- 25	IC28BPF	EFM	93- 6
DZ15	DDC	42- 87	FLT-LP6B500	DTL	104- 56	H9081	RTN	100- 47	HA9W2307	HAS	56- 28	IC28BPF	EFM</	

2. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

LINEAR	TYPE No.		MFRS Pg&Line		TYPE No.		MFRS Pg&Line		TYPE No.		MFRS Pg&Line		TYPE No.		MFRS Pg&Line	
	TYPE No.	MFRS Pg&Line	TYPE No.	MFRS Pg&Line	TYPE No.	MFRS Pg&Line	TYPE No.	MFRS Pg&Line	TYPE No.	MFRS Pg&Line	TYPE No.	MFRS Pg&Line	TYPE No.	MFRS Pg&Line	TYPE No.	MFRS Pg&Line
	ITT3713	ITT 57-50	L200	RTN 69-32	LA1368N	TSAJ 101-68	LF356ADE	RTN 31-70	LM108F883	NECJ 46-77						
	ITT3714	ITT 101-67	L204	RTN 95-32	LA1367	TSAJ 101-69	LF356AL	TI 42-6	LM108H883	NECJ 46-78						
	J10-3	VAD 63-11	L7809CY	none 65-104	LA1373	TSAJ 101-70		TIIB 42-7	LM108HJ	TSC 46-71						
	J10-5	VAD 64-54	L7812CY	none 67-27	LA1374	TSAJ 101-71	LF356AN	RTN 42-7	LM108J03	RTN 47-12						
	J10-6	VAD 65-31	L7815CY	none 68-33	LA1375	TSAJ 101-72	LF356L	TI 42-11	LM108J-8	NSC 47-28						
	J11	VAD 65-32	L7875CY	none 65-39	LA1376	TSAJ 101-73		TIIB 100-57	LM108L	TSC 46-72						
	J20-9	VAD 66-4	LA1	TPN 36-59	LA1381	TSAJ 100-57	LF357AL	TI 42-8	LM109H03	RTN 64-18						
	J20-10	VAD 66-90	LA100-M	THCS 69-44	LA1382	TSAJ 100-58		TIIB 100-59	LM109K03	RTN 64-43						
	J20-12	VAD 67-89	LA100F	THCS 69-45	LA1383	TSAJ 100-59	LF357L	TI 42-12	LM110F883	NSC 46-25						
	J20-15	VAD 69-3	LA100G	THCS 69-46	LA1384	TSAJ 100-60		TIIB 97-79	LM111H03	RTN 77-11						
	J20-18	VAD 70-24	LA100H	THCS 69-47	LA2210	TSAJ 97-79	LF2157AJG	TI 43-35	LM111L	TI 77-12						
	J20-21	VAD 72-8	LA101-M	THCS 49-26	LA3018	LSI 95-33	LF2157AL	TI 43-36								
	J21	VAD 73-29	LA101AF	THCS 49-62	LA3018A	LSI 95-34	LF2157AP	TI 43-37	LM112D	NSC 47-29						
	J30-20	VAD 71-74	LA101AH	THCS 49-63	LA3026	LSI 95-35	LF2157JG	TI 43-41								
	J30-24	VAD 72-76	LA101F	THCS 49-27	LA3045	LSI 95-36	LF2157L	TI 43-42	LM112F	NSC 47-30						
	J30-28	VAD 73-41	LA101G	THCS 49-28	LA3046	LSI 95-37	LF2157P	TI 43-43								
	J30-32	VAD 73-52	LA101H	THCS 49-29	LA3049	LSI 95-38	LF2257JG	TI 43-38	LM112H03	RTN 47-31						
	J31	VAD 73-30	LA102	THCS 78-31	LA3086	LSI 95-39	LF2257L	TI 43-39	LM116AD	RTN 46-94						
	JFT2	TPN 40-86	LA103	THCS 97-74	LA3300	TSAJ 103-24	LF2257P	TI 43-40	LM116AF	RTN 46-95						
	JFT2A	TPN 40-36	LA103H	THCS 97-75	LA3310	TSAJ 103-25	LF2357AJG	TI 43-32	LM116AH	RTN 46-96						
	JFT2B	TPN 40-20	LA104H	THCS 71-91	LA4210	TSAJ 57-22	LF2357AL	TI 43-33	LM116D	RTN 47-49						
	KM21	KME 35-51	LA105F	THCS 72-23	LA4400	TSAJ 56-99	LF2357AP	TI 43-34	LM116F	RTN 47-50						
	KM21SP	KME 36-85	LA105G	THCS 72-24	LA5110	TSAJ 99-105	LF2357JG	TI 44-33	LM116H	RTN 47-51						
	KM22	KME 32-9	LA105H	THCS 72-25	LC4207	none 97-80	LF2357L	TI 44-34	LM117KA	TI 69-70						
	KM22SP	KME 55-73	LA106H	THCS 76-73	LCD1.5.1000	SCD 86-54	LF2357P	TI 44-35								
	KM23	KME 34-29	LA107F	THCS 49-64	LCD1.5.1000K	SCD 86-55	LFT1	TPN 45-52	LM118D883	NSC 40-70						
	KM23M	KME 33-77	LA107H	THCS 49-65	LCD1.5.500	SCD 86-56	LFT155H	NSC 31-68	LM118F	NSC 39-92						
	KM23SP	KME 55-74	LA108AH	THCS 47-3	LCD1.5.500K	SCD 86-56	LFT156H	NSC 38-18	RTN TSC							
	KM24	KME 40-89	LA108H	THCS 23-57	LCD2.12.100	SCD 86-57	LFT355H	NSC 31-69	LM118J-8	NSC 39-93						
	KM25	KME 52-109	LA109H	THCS 64-15	LCD2.12.100K	SCD 86-58	LFT356H	NSC 38-19	LM118L	TI 39-94						
	KM26	KME 24-17	LA109K	THCS 64-40	LCD2.12.200	SCD 86-59	LGR6	TPN 79-23								
	KM31	KME 35-52	LA170	THCS 97-76	LCD2.12.200K	SCD 86-60	LH0041J	GIC 29-81	LM118P	RTN 39-95						
	KM31SP	KME 36-86	LA170H	THCS 103-86	LCD2.12.25	SCD 86-61		NSC 86-62	LM118U	TI 39-96						
	KM32	KME 32-10	LA200-M	THCS 69-35	LCD2.12.50	SCD 86-62	LH101D	NECJ 51-43								
	KM33	KME 34-30	LA200F	THCS 69-36	LCD2.15.100	SCD 86-63		RTN SIX 55-68	LM119D883	NSC 77-40						
	KM33SP	KME 34-51	LA200G	THCS 69-37	LCD2.15.100K	SCD 86-64	LH201D	RTN SIX 51-45	LM119D	NSC 77-41						
	KM34	KME 40-90	LA200H	THCS 69-38	LCD2.15.200	SCD 86-65		SIX 55-69	LM119F883	NSC 77-42						
	KM41	KME 34-94	LA201-M	THCS 49-40	LCD2.15.200K	SCD 86-66	LH201F	NSC 51-46	LM120H5.0	NSC 63-43						
	KM41SP	KME 52-68	LA201AH	THCS 49-66	LCD2.15.25	SCD 86-67		SIX 51-46	LM120H5.2	NSC 64-65						
	KM42	KME 35-46	LA201F	THCS 49-41	LCD2.15.25K	SCD 86-68	LH740AC	NSC 51-54	LM120H6.0	NSC 64-85						
	KM42L	KME 34-95	LA201G	THCS 49-42	LCD2.15.50	SCD 86-69	LH2108AF	NSC 47-5	LM120H8.0	NSC 65-40						
	KM42M	KME 40-69	LA201H	THCS 49-43	LCD2.15.50K	SCD 86-70		SIC 86-71	LM120H12	NSC 67-44						
	KM42SP	KME 52-67	LA202H	THCS 78-32	LCD2.18.25	SCD 86-71	LH2208AF	NSC 47-6	LM120H15	NSC 69-4						
	KM43	KME 35-47	LA202H	THCS 71-92	LCD2.18.50	SCD 86-72		SIC 86-72	LM120H18	NSC 69-98						
	KM43-70	KME 52-107	LA205F	THCS 72-26	LCD2.18.50K	SCD 86-73	LH2308AF	SIC 23-63	LM120H24	NSC 72-77						
	KM43H	KME 35-61	LA205G	THCS 72-27	LCD2.24.50	SCD 86-74		SIC 86-74	LM120K5.0	NSC 63-62						
	KM43HSP	KME 52-69	LA205H	THCS 72-28	LCD2.24.50K	SCD 86-75	LM101AF883	NECJ 49-15	LM120K5.2	NSC 64-71						
	KM43SP	KME 34-52	LA206H	THCS 76-74	LCD2.5.500	SCD 86-76		NSC 86-77	LM120K6.0	NSC 64-90						
	KM45	KME 32-7	LA207H	THCS 50-22	LCD2.5.500K	SCD 86-77	LM101AJ03	RTN 49-67	LM120K8.0	NSC 65-45						
	KM45H	KME 32-8	LA208AH	THCS 47-4	LCD2.6.25	SCD 86-78	LM101AL	TI 49-68	LM120K9.0	NSC 65-100						
	KM47B	KME 34-73	LA208H	THCS 23-58	LCD2.6.50	SCD 86-79		TIIB 86-80	LM120K12	NSC 67-68						
	KM47C	KME 40-99	LA209H	THCS 64-16	LD1020	SCD 86-80	LM101D	FSC 49-30	LM120K15	NSC 69-15						
	KM48	KME 44-44	LA209K	THCS 64-41	LD1020	TSAJ 80-48		NSC 59-13	LM120K18	NSC 70-7						
	KM48A	KME 44-38	LA270	THCS 97-77	LD1041	TSAJ 59-13		RTN SIX 49-30	LM120K24	NSC 72-101						
	KM49	KME 42-103	LA270H	THCS 103-87	LD1120	TSAJ 102-65	LM101H883	NECJ 49-18	LM121AD	NSC 48-30						
	KM49A	KME 43-10	LA300-M	THCS 66-97	LD3001	TSAJ 57-15		FSC 56-57	LM121AF	NSC 55-54						
	KM51	KME 34-93	LA300F	THCS 66-98	LD3030	TSAJ 56-57	LM101H	NSC 48-34								
	KM51SP	KME 35-93	LA300G	THCS 66-99	LD3040	TSAJ 56-22		RTN NSC 56-22	LM121D	NSC 55-55						
	KM52	KME 31-54	LA300H	THCS 66-100	LD3050	TSAJ 56-49		SIX 81-1	LM121F	NSC 47-75						
	KM53	KME 32-100	LA301AH	THCS 28-76	LD3061	TSAJ 81-1	LM101J14	NSC 49-20								
	KM53SP	KME 32-71	LA301AN	THCS 28-77	LD3070	TSAJ 56-23	LM101N	RTN 51-44	LM121F	NSC 47-76						
	KM54	KME 40-18	LA302	THCS 78-33	LD3100	TSAJ 56-30	LM102F883	NECJ 35-36								
	KM55	KME 52-108	LA302H	THCS 78-34	LD3115	TSAJ 57-16		NSC 57-16	LM123K	NSC 63-27						
	KM56	KME 23-75	LA304H	THCS 71-93	LD3120	TSAJ 57-48	LM103-1.8	NSC 96-65	LM124AJ	NSC 21-31						
	KM61	KME 35-74	LA305F	THCS 72-29	LD3130	TSAJ 57-107	LM103-2.0	NSC 96-66								
	KM62	KME 35-75	LA305G	THCS 72-30	LD3141	TSAJ 57-44	LM103-2.2	NSC 96-67	LM124L	TSC 21-27						
	KM62SP	KME 34-91	LA305H	THCS 72-31	LD3150	TSAJ 56-52	LM103-2.4	NSC 96-68	LM137HVH	NSC 73-15						
	KM71	KME 41-25	LA306H	THCS 76-81	LD3200	TSAJ 80-50	LM103-2.7	NSC 96-69	LM137HVK	NSC 73-18						
	KM72	KME 41-26	LA307H	THCS 28-78	LD3210	TSAJ 80-49	LM103-3.0	NSC 96-70	LM137K	NSC 71-55						
	L55500	SCD 86-49	LA307N	THCS 28-79	LF111F	NSC 77-18	LM103-3.3	NSC 96-71	LM139H	TSC 74-12						
	L551000	SCD 86-50	LA308AH	THCS 23-62	LF111D	NSC 77-19	LM103-3.6	NSC 96-72	LM139L	TSC 74-13						
	L15D100	SCD 86-51	LA308H	THCS 23-59	LF151ADE	none 22-2	LM103-3.9	NSC 96-73	LM140AK5.0	NSC 64-44						
	L15D200	SCD 86-52	LA309H	THCS 64-17	LF152D	NSC 54-97	LM103-4.3	NSC 96-74								

2. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
LM180D	◆NSC	74-35	LM224AN	◆RTN	21-33	LM316AF	◆NSC	47-2	LM340AKC24	◆NSC	73-5	LM377N10	◆NSC	57-48
LM180F	◆NSC	74-36	LM224L	◆TSC	21-28		RTN		LM340AT5.0	◆NSC	64-36	LM378	◆NSC	58-32
LM180J-14	◆NSC	74-37	LM225H	◆NSC	68-16	LM316D	◆NSC	47-54	LM340AT6.0	◆NSC	65-17	LM379M	◆NSC	57-106
LM181CH	◆NSC	76-89	LM226B	◆NSC	67-5		◆RTN		LM340AT8.0	◆NSC	65-78	LM383AT01	◆NSC	57-7
LM181D	◆NSC	76-65	LM227H	◆NSC	67-6	LM316F	◆NSC	47-55	LM340AT10	◆NSC	66-80	LM383T01	◆NSC	57-8
LM181F	◆NSC	76-66	LM237HVH	◆NSC	73-16		RTN		LM340AT12	◆NSC	67-64	LM391N-100	◆NSC	58-8
LM181J	◆NSC	76-62	LM237HVK	◆NSC	73-19	LM317HVK	◆NSC	73-36	LM340AT15	◆NSC	68-80	LM393L	◆TII	74-8
LM170	LSI	56-83	LM237K	◆NSC	71-56	LM318D	◆NSC	41-77	LM340AT18	◆NSC	70-5		◆TII	
	◆NSC	103-89	LM239AF	◆RTN	74-10		RTN		LM340AT24	◆NSC	72-9	LM529H	◆NSC	77-68
LM170H	◆NSC	56-79	LM239F	◆RTN	74-11	LM318F	◆NSC	41-78	LM340K5.0	◆NSC	64-48	LM566CH	◆NSC	97-81
	◆NSC	103-90	LM239L	◆TSC	74-14		RTN		LM340K6.0	◆NSC	65-25	LM566H	◆NSC	97-82
LM171	LSI	59-36	LM240LAH5.0	◆NSC	64-108	LM318L	◆TSC	41-79	LM340K8.0	◆NSC	65-86	LM703	◆NSC	59-23
	◆NSC		LM240LAH6.0	◆NSC	64-108		◆TII		LM340K10	◆NSC	66-88	LM703C	◆NSC	59-24
LM171H	◆NSC	59-34	LM240LAH8.0	◆NSC	65-58	LM319D	◆NSC	77-47	LM340K12	◆NSC	67-76	LM703E	◆NSC	59-25
LM172H	◆NSC	56-34	LM240LAH10	◆NSC	66-74	LM319F	◆NSC	77-48	LM340K15	◆NSC	68-86	LM703LH	◆NSC	59-26
			LM240LAH12	◆NSC	67-36	LM320H5.0	◆NSC	63-45	LM340K18	◆NSC	70-14	LM703LN	◆NSC	59-27
LM173H	◆NSC	102-66	LM240LAH15	◆NSC	68-41	LM320H5.2	◆NSC	64-67	LM340K20	◆NSC	73-6	LM709AF	◆NSC	46-14
LM173N	◆NSC	102-67	LM240LAH18	◆NSC	69-92	LM320H6.0	◆NSC	64-87	LM340K25.0	◆NSC	64-49	LM709AJ	◆NSC	29-109
LM174H	◆NSC	102-68	LM240LAH24	◆NSC	72-61	LM320H8.0	◆NSC	65-42	LM340K30.0	◆NSC	65-26	LM709CF	◆NSC	37-45
LM174N	◆NSC	102-69	LM240LAZ5.0	◆NSC	64-109	LM320H9.0	◆NSC	65-97	LM340K35.0	◆NSC	65-87	LM709CJ	◆NSC	37-54
LM175D	◆NSC	80-99	LM240LAZ6.0	◆NSC	65-59	LM320H12	◆NSC	67-46	LM340K40.0	◆NSC	66-89	LM709CN-8	◆NSC	37-55
LM193AH	◆NSC	74-4	LM240LAZ8.0	◆NSC	66-35	LM320H15	◆NSC	69-6	LM340K45.0	◆NSC	67-77	LM709F	◆NSC	35-11
LM193L	◆TII	74-6	LM240LAZ10	◆NSC	66-35	LM320H18	◆NSC	69-100	LM340K50.0	◆NSC	68-87	LM709H883	◆NECJ	34-92
	◆TII		LM240LAZ12	◆NSC	68-42	LM320H24	◆NSC	72-79	LM340K55.0	◆NSC	70-15		◆NSC	
LM201AD	FSC	49-78	LM240LAZ15	◆NSC	69-93	LM320K5.0	◆NSC	64-73	LM340K60.0	◆NSC	73-7	LM709J	◆NSC	35-12
	◆NSC		LM240LAZ18	◆NSC	72-62	LM320K6.0	◆NSC	64-92	LM340LAH5.0	◆NSC	64-110	LM710AF	◆NSC	75-46
	◆SIX		LM240LAZ24	◆NSC	49-80	LM320K8.0	◆NSC	65-44	LM340LAH8.0	◆NSC	65-60	LM710AH	◆NSC	75-47
LM201ADE	◆RTN	49-79	LM241F	◆TSC	49-81	LM320K9.0	◆NSC	65-99	LM340LAH10	◆NSC	66-76	LM710CF	◆NSC	75-52
LM201AL	◆TII	28-12	LM241J	◆TSC	49-82	LM320K12	◆NSC	67-72	LM340LAH12	◆NSC	68-38	LM711AF	◆NSC	75-84
	◆TII		LM242F	◆TSC	49-83	LM320K15	◆NSC	69-17	LM340LAH15	◆NSC	68-43	LM711CF	◆NSC	75-85
LM201D	FSC	49-37	LM242H	◆TSC	49-84	LM320K18	◆NSC	70-17	LM340LAH18	◆NSC	69-94	LM725AJ	◆NSC	75-107
	◆NSC		LM242J	◆TSC	49-85	LM320K24	◆NSC	73-3	LM340LAH24	◆NSC	72-63	LM725CJ	◆NSC	29-78
LM201F	◆NSC	49-44	LM245K5.0	◆NSC	63-22	LM320K25.0	◆NSC	63-65	LM340LAZ5.0	◆NSC	64-6	LM725D	◆NSC	29-79
LM201H	◆DDC	49-45	LM245K5.2	◆NSC	64-63	LM320K26.0	◆NSC	64-74	LM340LAZ6.0	◆NSC	65-1	LM725E	◆NSC	29-80
	◆NSC		LM245K	◆NSC	63-25	LM320K28.0	◆NSC	64-93	LM340LAZ8.0	◆NSC	66-67	LM733CD	◆NSC	61-93
	◆RTN		LM246-2J	◆NSC	24-29	LM320K29.0	◆NSC	65-48	LM340LAZ10	◆NSC	65-71	LM733CJ	◆NSC	61-94
LM201J14	◆NSC	49-33	LM246J	◆NSC	24-30	LM320K32.0	◆NSC	65-109	LM340LAZ12	◆NSC	67-39	LM733D	◆NSC	61-96
LM201J4	◆NSC	49-34	LM246N	◆NSC	24-31	LM320K39.0	◆NSC	67-73	LM340LAZ15	◆NSC	68-44	LM733J	◆NSC	61-97
LM202F	◆NSC	35-11	LM248D	◆NSC	32-30	LM320K15	◆NSC	69-18	LM340LAZ18	◆NSC	69-95	LM741AD	◆NSC	50-33
LM204	◆NSC	71-97	LM249D	◆NSC	32-41	LM320K18	◆NSC	70-28	LM340LAZ24	◆NSC	72-64	LM741AF	◆NSC	50-34
LM206	◆NSC	76-71	LM250K	◆NSC	69-54	LM320K22	◆NSC	73-10	LM340T5.0	◆NSC	64-37	LM741CD	◆NSC	24-62
LM206L	◆TII	76-77	LM258AH	◆NSC	21-17	LM320L25.0	◆NSC	64-10	LM340T6.0	◆NSC	65-18		◆NSC	
	◆TII		LM258L	◆TII	21-13	LM320L26.0	◆NSC	65-2	LM340T8.0	◆NSC	65-79	LM741D	◆NSC	24-59
LM207	◆NSC	50-23		◆TII		LM320L28.0	◆NSC	65-62	LM340T10	◆NSC	66-81		◆NSC	
LM207D	◆NSC	48-37	LM260D	◆NSC	74-38	LM320L29.0	◆NSC	65-107	LM340T12	◆NSC	68-85	LM741ED	◆NSC	50-35
	◆NSC		LM260J-14	◆NSC	74-39	LM320L2	◆NSC	67-40	LM340T15	◆NSC	68-81	LM741EJ14	◆NSC	50-37
LM207DE	◆RTN	48-38	LM261D	◆NSC	78-67	LM320L15	◆NSC	68-50	LM340T18	◆NSC	70-6		◆NSC	
LM207F	◆NSC	48-39	LM261J	◆NSC	78-63	LM320L24	◆NSC	69-96	LM340T24	◆NSC	72-98	LM741EJ	◆NSC	50-36
	◆NSC		LM270	LSI	56-84	LM320L24	◆NSC	72-65	LM341F	◆TSC	28-68	LM741F	◆NSC	24-60
	◆NSC			◆NSC	103-91	LM320MLP5.0	◆NSC	64-31	LM341H	◆TSC	28-69		◆NSC	
LM207L	◆TII	51-48	LM270H	◆NSC	56-80	LM320MLP6.0	◆NSC	65-72	LM341J	◆TSC	28-70	LM746H	◆NSC	101-74
	◆TII			◆NSC	103-92	LM320MLP8.0	◆NSC	65-72	LM341N	◆TSC	46-7	LM746N01	◆NSC	101-75
LM208ADE	◆RTN	47-13	LM271	LSI	59-37	LM320MLP10	◆NSC	67-78	LM341N14	◆TSC	46-8	LM746N	◆NSC	101-76
LM208AJ-8	◆NSC	47-14		◆NSC		LM320MLP12	◆NSC	68-57	LM341F5.0	◆NSC	64-32	LM746N-01	◆NSC	101-77
LM208AN	◆NSC	47-15	LM271H	◆NSC	59-35	LM320MLP15	◆NSC	68-72	LM341F6.0	◆NSC	65-13	LM747-1AD	◆NSC	50-38
LM208DE	◆RTN	47-32	LM272H	◆NSC	56-35	LM320MLP18	◆NSC	69-107	LM341F8.0	◆NSC	65-73	LM747-1AH	◆NSC	50-39
LM208E	◆TSC	46-73		◆NSC	59-88	LM320MLP24	◆NSC	70-93	LM341F10.0	◆NSC	66-69	LM747-1AJ	◆NSC	50-40
LM208HJ	◆NSC	46-74	LM272N	◆NSC	56-36	LM320MP5.0	◆NSC	63-60	LM341F12	◆NSC	67-58	LM747-1CD	◆NSC	26-7
LM208J-8	◆NSC	47-33		◆NSC	59-89	LM320MP5.2	◆NSC	64-69	LM341F15	◆NSC	68-74	LM747-1CH	◆NSC	26-7
LM208L	◆NSC	46-75	LM273H	◆NSC	102-70	LM320MP6.0	◆NSC	64-88	LM341F18	◆NSC	69-109	LM747-1CJ	◆NSC	26-9
LM211DE	◆NSC	77-13	LM274H	◆NSC	102-71	LM320MP8.0	◆NSC	65-48	LM341F24	◆NSC	72-9	LM747-1CN	◆NSC	26-10
LM212D	◆NSC	47-34	LM275D	◆NSC	80-100	LM320MP9.0	◆NSC	65-98	LM342F	◆TSC	28-71	LM747-1D	◆NSC	26-10
	◆NSC		LM293AH	◆NSC	74-5	LM320MP12	◆NSC	67-24	LM342H	◆TSC	28-72	LM747-1ED	◆NSC	29-44
LM212F	◆NSC	47-35	LM293L	◆TII	74-7	LM320MP15	◆NSC	68-73	LM342J	◆TSC	28-73	LM747-1EH	◆NSC	50-41
LM216AD	◆NSC	46-97		◆TII		LM320MP18	◆NSC	69-108	LM342N8	◆TSC	46-9	LM747-1EJ	◆NSC	50-42
LM216AF	◆NSC	46-98	LM300	◆NSC	69-39	LM320MP24	◆NSC	72-90	LM342N14	◆TSC	46-10	LM747-1EN	◆NSC	50-43
	◆NSC		LM301AD	FSC	46-6	LM320T5.0	◆NSC	63-61	LM342P5.0	◆NSC	63-7	LM747-1H	◆NSC	29-45
LM216D	◆NSC	47-52		◆NSC		LM320T6.0	◆NSC	64-70	LM342P6.0	◆NSC	64-96	LM747-1J	◆NSC	29-46
	◆NSC		LM301AF	◆NECJ	28-80	LM320T6.0	◆NSC	64-89	LM342P8.0	◆NSC	65-51	LM747AD	◆NSC	50-45
LM216F	◆NSC	47-53	LM301AF	◆TSC	28-80	LM320T8.0	◆NSC	65-44	LM342P10	◆NSC	66-70	LM747CD	◆NSC	26-11
	◆NSC		LM301AL	◆TII	28-81	LM320T9.0	◆NSC	65-108	LM342P12	◆NSC	67-28	LM747D883	◆NSC	26-11
LM217HVK	◆NSC	73-35		◆TII		LM320T12	◆NSC	67-63	LM342P15	◆NSC	68-34	LM747D	◆NSC	26-11
LM217KA	◆TII	69-71	LM301AN8	◆TSC	28-82	LM320T15	◆NSC	68-79	LM342P18	◆NSC	69-85	LM747ED	◆NSC	50-46
	◆TII		LM301D	◆RTN	28-1	LM320T18	◆NSC	70-4	LM342P24	◆NSC	72-53	LM747EN	◆NSC	50-47
LM218D	◆NSC	39-97	LM301H	◆RTN	28-2	LM321AD	◆NSC	50-31						

2. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

LINEAR	TYPE No.		MFRS Pg&Line		TYPE No.		MFRS Pg&Line		TYPE No.		MFRS Pg&Line			
	TYPE No.	MFRS Pg&Line	TYPE No.	MFRS Pg&Line	TYPE No.	MFRS Pg&Line	TYPE No.	MFRS Pg&Line	TYPE No.	MFRS Pg&Line	TYPE No.	MFRS Pg&Line		
LM1861N	◆NSC	104-12	LS510SA	◆LSI	59-82	JANM38510/10101AAC	none	48-50	JANM38510/10102BDC	none	51-3	JANM38510/10106CEB	none	47-69
LM1862N	◆NSC	104-13	LS703L	◆LSI	59-102	none	48-50	none	51-3	none	51-4	JANM38510/10106CEC	none	47-70
LM1880N	◆NSC	100-69	LS1495	◆LSI	80-24	JANM38510/10101ABA	none	48-51	JANM38510/10102CBA	none	51-5	JANM38510/10106CFA	none	47-71
LM1880D	◆NSC	101-80	LS1496#1	◆LSI	103-61	none	48-51	none	51-4	none	51-6	JANM38510/10106CFB	none	47-72
LM1900D	◆NSC	54-40	LS1496#2	◆LSI	103-62	JANM38510/10101ABB	none	48-52	JANM38510/10102CBB	none	51-7	JANM38510/10106CFC	none	47-73
LM1913J	◆NSC	82-54	LS1595	◆LSI	80-25	none	48-52	none	51-5	none	51-8	JANM38510/10106CEA	none	47-74
LM2111N01	◆NSC	97-87	LS1596#1	◆LSI	103-63	JANM38510/10101ABC	none	48-53	JANM38510/10102CBC	none	51-9	JANM38510/10106CEB	none	47-75
LM2111N	◆NSC	97-88	LS1596#2	◆LSI	103-64	none	48-53	none	51-6	none	51-10	JANM38510/10106CEC	none	47-76
LM2113N01	◆NSC	97-89	LS3028A	◆LSI	60-12	JANM38510/10101ACA	none	48-54	JANM38510/10102CDA	none	51-11	JANM38510/10106CEC	none	47-77
LM2113N	◆NSC	97-90	LS3028B	◆LSI	59-109	none	48-54	none	51-7	none	51-12	JANM38510/10106CEC	none	47-78
LM2524J	◆NSC	97-91	LS3053	◆LSI	59-104	JANM38510/10101ACB	none	48-55	JANM38510/10102CDB	none	51-13	JANM38510/10106CEC	none	47-79
LM2524N	◆NSC	97-92	LS8038CC	◆LSI	82-12	none	48-55	none	51-8	none	51-14	JANM38510/10106CEC	none	47-80
LM2808N	◆NSC	100-70	LX5600AH	◆NSC	97-98	JANM38510/10101ACC	none	48-56	JANM38510/10102CDC	none	51-15	JANM38510/10106CEC	none	47-81
LM2900D	◆NSC	54-39	LX5600H	◆NSC	97-99	none	48-56	none	51-9	none	51-16	JANM38510/10106CEC	none	47-82
LM2901L	◆TSC	74-16	LX5700AH	◆NSC	97-100	JANM38510/10101ADA	none	48-57	JANM38510/10103ACA	none	51-17	JANM38510/10106CEC	none	47-83
LM2902L	◆TSC	21-30	LX5700H	◆NSC	97-101	none	48-57	none	48-18	NSC	48-19	JANM38510/10106CEC	none	47-84
LM2903L	◆TII	74-9	LZ90B	none	97-102	JANM38510/10101ADB	none	48-58	JANM38510/10103ACB	none	51-18	JANM38510/10106CEC	none	47-85
LM2904L	◆TII	21-8	monoOP08AJ	◆PMI	31-63	none	48-58	none	48-19	NSC	48-20	JANM38510/10106CEC	none	47-86
LM2904L	◆TII	21-8	monoOP08AL	◆PMI	31-64	JANM38510/10101ADC	none	48-59	JANM38510/10103ACC	none	51-19	JANM38510/10106CEC	none	47-87
LM2904L	◆TII	21-8	monoOP08AP	◆PMI	31-65	none	48-59	none	48-20	NSC	48-21	JANM38510/10106CEC	none	47-88
LM2907J	◆NSC	81-53	monoOP08BJ	◆PMI	31-104	JANM38510/10101AGA	none	48-60	JANM38510/10103AGA	none	51-20	JANM38510/10106CEC	none	47-89
LM2913J	◆NSC	82-55	monoOP08BL	◆PMI	31-105	none	48-60	none	48-21	NSC	48-22	JANM38510/10106CEC	none	47-90
LM2917J	◆NSC	81-54	monoOP08BP	◆PMI	31-106	JANM38510/10101AGB	none	48-61	JANM38510/10103AGB	none	51-21	JANM38510/10106CEC	none	47-91
LM3011H	◆NSC	61-17	monoOP08CJ	◆PMI	34-6	none	48-61	none	48-22	NSC	48-23	JANM38510/10106CEC	none	47-92
LM3018AH	◆NSC	95-40	monoOP08CP	◆PMI	34-7	JANM38510/10101AGC	none	48-62	JANM38510/10103AGC	none	51-22	JANM38510/10106CEC	none	47-93
LM3018H	◆NSC	95-41	monoOP08EJ	◆PMI	31-61	none	48-62	none	48-23	NSC	48-24	JANM38510/10106CEC	none	47-94
LM3019H	◆NSC	98-108	monoOP08EP	◆PMI	31-62	JANM38510/10101AHA	none	48-63	JANM38510/10103AHA	none	51-23	JANM38510/10106CEC	none	47-95
LM3026H	◆NSC	54-68	monoOP08J	◆PMI	31-91	none	48-63	none	48-24	NSC	48-25	JANM38510/10106CEC	none	47-96
LM3028AH	◆NSC	54-96	monoOP08L	◆PMI	31-92	JANM38510/10101AHB	none	48-64	JANM38510/10103AHB	none	51-24	JANM38510/10106CEC	none	47-97
LM3028AH	◆NSC	60-13	monoOP08P	◆PMI	31-93	none	48-64	none	48-25	NSC	48-26	JANM38510/10106CEC	none	47-98
LM3028BH	◆NSC	54-93	M8	◆DDC	37-42	JANM38510/10101AHC	none	48-65	JANM38510/10103AHC	none	51-25	JANM38510/10106CEC	none	47-99
LM3028BH	◆NSC	59-110	M15	◆DDC	42-84	none	48-65	none	48-26	NSC	48-27	JANM38510/10106CEC	none	47-100
LM3039H	◆NSC	98-109	M50-15	◆HBC	86-81	JANM38510/10101APA	none	48-66	JANM38510/10103APA	none	51-26	JANM38510/10106CEC	none	47-101
LM3045D	◆NSC	95-42	M100-15	◆HBC	86-82	none	48-66	none	48-27	NSC	48-28	JANM38510/10106CEC	none	47-102
LM3053N	◆NSC	54-15	M301	◆INT	79-105	JANM38510/10101APB	none	48-67	JANM38510/10103APB	none	51-27	JANM38510/10106CEC	none	47-103
LM3053N	◆NSC	59-43	M301M	◆INT	79-106	none	48-67	none	48-28	NSC	48-29	JANM38510/10106CEC	none	47-104
LM3054N	◆NSC	54-70	M302	◆INT	79-107	JANM38510/10101APC	none	48-68	JANM38510/10103APC	none	51-28	JANM38510/10106CEC	none	47-105
LM3064H	◆NSC	100-71	M302M	◆INT	79-108	none	48-68	none	48-29	NSC	48-30	JANM38510/10106CEC	none	47-106
LM3064N	◆NSC	100-72	M303	◆INT	79-109	JANM38510/10101BAA	none	48-69	JANM38510/10104ACA	none	51-29	JANM38510/10106CEC	none	47-107
LM3065N01	◆NSC	102-77	M303M	◆INT	79-110	none	48-69	none	46-80	NSC	46-81	JANM38510/10106CEC	none	47-108
LM3065N	◆NSC	102-78	M310M	◆INT	79-83	JANM38510/10101BAB	none	48-70	JANM38510/10104ACB	none	51-30	JANM38510/10106CEC	none	47-109
LM3066N01	◆NSC	101-81	M311M	◆INT	79-84	none	48-70	none	46-81	NSC	46-82	JANM38510/10106CEC	none	47-110
LM3066N	◆NSC	101-82	M316	◆GECB	59-98	JANM38510/10101BAC	none	48-71	JANM38510/10104ACC	none	51-31	JANM38510/10106CEC	none	47-111
LM3067N01	◆NSC	101-83	M326	◆GECB	54-3	none	48-71	none	46-82	NSC	46-83	JANM38510/10106CEC	none	47-112
LM3067N	◆NSC	101-84	M327	◆GECB	54-38	JANM38510/10101BBA	none	48-72	JANM38510/10104AGA	none	51-32	JANM38510/10106CEC	none	47-113
LM3070N01	◆NSC	101-85	M401	◆INT	79-63	none	48-72	none	46-83	NSC	46-84	JANM38510/10106CEC	none	47-114
LM3070N	◆NSC	101-86	M410	◆INT	79-49	JANM38510/10101BBB	none	49-1	JANM38510/10104AGB	none	51-33	JANM38510/10106CEC	none	47-115
LM3071N01	◆NSC	101-87	M410M	◆INT	79-50	none	49-1	none	46-84	NSC	46-85	JANM38510/10106CEC	none	47-116
LM3071N	◆NSC	101-88	M415	◆INT	79-37	JANM38510/10101BBC	none	49-2	JANM38510/10104AGC	none	51-34	JANM38510/10106CEC	none	47-117
LM3072N	◆NSC	101-89	M415M	◆INT	79-46	none	49-2	none	46-85	NSC	46-86	JANM38510/10106CEC	none	47-118
LM3075N	◆NSC	102-79	M416	◆INT	79-38	JANM38510/10101BDA	none	49-3	JANM38510/10104AHA	none	51-35	JANM38510/10106CEC	none	47-119
LM3080AH	◆NSC	23-79	M416M	◆INT	79-47	none	49-3	none	46-86	NSC	46-87	JANM38510/10106CEC	none	47-120
LM3080AJ	◆NSC	23-80	M420	◆INT	79-40	JANM38510/10101BDB	none	49-4	JANM38510/10104AHB	none	51-36	JANM38510/10106CEC	none	47-121
LM3080H	◆NSC	23-81	M425	◆INT	79-48	none	49-4	none	46-87	NSC	46-88	JANM38510/10106CEC	none	47-122
LM3080J	◆NSC	23-82	M500-5	◆HBC	86-83	JANM38510/10101BDC	none	49-5	JANM38510/10104AHC	none	51-37	JANM38510/10106CEC	none	47-123
LM3089	◆NSC	102-80	M501	◆INT	79-96	none	49-5	none	46-88	NSC	46-89	JANM38510/10106CEC	none	47-124
LM3118AH	◆NSC	95-43	M501A	◆ANA	41-61	JANM38510/10101CAA	none	49-6	JANM38510/10104APA	none	51-38	JANM38510/10106CEC	none	47-125
LM3118H	◆NSC	95-44	M501B	◆ANA	41-49	none	49-6	none	46-89	NSC	46-90	JANM38510/10106CEC	none	47-126
LM3145AJ	◆NSC	95-45	M501C	◆ANA	41-50	JANM38510/10101CAB	none	49-7	JANM38510/10104APB	none	51-39	JANM38510/10106CEC	none	47-127
LM3145J	◆NSC	95-46	M501D	◆ANA	41-62	none	49-7	none	46-90	NSC	46-91	JANM38510/10106CEC	none	47-128
LM3146AN	◆NSC	95-47	M501M	◆INT	79-97	JANM38510/10101CAC	none	49-8	JANM38510/10104APC	none	51-40	JANM38510/10106CEC	none	47-129
LM3911H05	◆NSC	97-93	M502	◆INT	79-98	none	49-8	none	46-91	NSC	46-92	JANM38510/10106CEC	none	47-130
LM3911H46	◆NSC	97-94	M502M	◆INT	79-99	JANM38510/10101CBA	none	49-9	JANM38510/10105AEA	none	51-41	JANM38510/10106CEC	none	47-131
LM3913J	◆NSC	82-56	M505	◆INT	79-76	none	49-9	none	50-48	NSC	50-49	JANM38510/10106CEC	none	47-132
LM3913N	◆NSC	82-57	M505M	◆INT	79-77	JANM38510/10101CBB	none	49-10	JANM38510/10105AEB	none	51-42	JANM38510/10106CEC	none	47-133
LM4250CJ	◆NSC	23-35	M506	◆INT	79-78	none	49-10	none	50-49	NSC	50-50	JANM38510/10106CEC	none	47-134
LM4250J	◆NSC	23-34	M506M	◆INT	79-79	JANM38510/10101CBC	none	49-11	JANM38510/10105AEC	none	51-43	JANM38510/10106CEC	none	47-135
LM7805CK	◆NSC	63-81	M601	◆INT	79-85	none	49-11	none	50-50	NSC	50-51	JANM38510/10106CEC	none	47-136
LM7805CT	◆NSC	63-82	M601M	◆INT	79-86	JANM38510/10101CDA	none	49-12	JANM38510/10105AFA	none	51-44	JANM38510/10106CEC	none	47-137
LM7806CK	◆NSC	64-102	M602	◆INT	79-87	none	49-12	none	50-51	NSC	50-52	JANM38510/10106CEC	none	47-138
LM7806CT	◆NSC	64-103	M602M	◆INT	79-88	JANM38510/10101CDB	none	49-13	JANM38510/10105AFB	none	51-45	JANM38510/10106CEC	none	47-139
LM7808CK	◆NSC	65-53	M5015	◆HBC	86-84	none	49-13	none	50-52	NSC	50-53	JANM38510/10106CEC	none	47-140
LM7808CT	◆NSC	65-54	M5015OS	◆HBC	86-85	JANM38510/10101CDC	none	49-14	JANM38510/10105AFC	none	51-46	JANM38510/10106CEC	none	47-141
LM7810CK	◆NSC	66-71	M5101P	◆MITJ	56-51	none	49-14	none	50-53	NSC	50-54	JANM38510/10106CEC	none	47-142
LM7810CT	◆NSC	66-72	M5102AY	◆MITJ	57-28	JANM38510/10102AAA	none	50-61	JANM38510/10105BFA	none	51-47	JANM38510/10201AAA	none	70-46
LM7812CK	◆NSC	67-29	M5102Y	◆MITJ	57-29	NSC	50-61	none	50-54	NSC	50-55	JANM38510/10201AAB</		

2. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
JANM38510/10201BAC	none	70-63	JANM38510/10707AYA	none	67-19	JANM38510/10802ADA	none	96-12	JANM38510/11002CAB	none	30-48	JANM38510/11005CAC	none	28-61
JANM38510/10201BBA	none	70-64	JANM38510/10707AYB	none	67-20	JANM38510/10802ADB	none	96-13	JANM38510/11002CAC	none	30-49	JANM38510/11005CCA	none	28-62
JANM38510/10201BBB	none	70-65	JANM38510/10707AYC	none	67-21	JANM38510/10802ADC	none	96-14	JANM38510/11002CCA	none	30-50	JANM38510/11005CCB	none	28-63
JANM38510/10201BBC	none	70-66	JANM38510/10707BYB	none	67-22	JANM38510/10802BAA	none	96-15	JANM38510/11002CCB	none	30-51	JANM38510/11005CCC	none	28-64
JANM38510/10201BDA	none	70-67	JANM38510/10707BYC	none	67-23	JANM38510/10802BAB	none	96-16	JANM38510/11002CCC	none	30-52	JANM38510/11005CDA	none	28-65
JANM38510/10201BDB	none	70-68	JANM38510/10708AYA	none	68-64	JANM38510/10802BAC	none	96-17	JANM38510/11002CDA	none	30-53	JANM38510/11005CDB	none	28-66
JANM38510/10201BDC	none	70-69	JANM38510/10708AYB	none	68-65	JANM38510/10802BDA	none	96-18	JANM38510/11002CDB	none	30-54	JANM38510/11005CDC	none	28-67
JANM38510/10201BHA	none	70-70	JANM38510/10708AYC	none	68-66	JANM38510/10802BDB	none	96-19	JANM38510/11002CDC	none	30-55	M51304L	none	102-32
JANM38510/10201BHB	none	70-71	JANM38510/10708BYB	none	68-67	JANM38510/10802BDC	none	96-20	JANM38510/11003AAA	none	38-75	M51412P	none	103-102
JANM38510/10201BHC	none	70-72	JANM38510/10708BYC	none	68-68	JANM38510/10802CAA	none	96-21	JANM38510/11003AAB	none	38-76	M51710T	none	75-17
JANM38510/10201CAA	none	70-73	JANM38510/10709AYA	none	72-45	JANM38510/10802CAB	none	96-22	JANM38510/11003AAC	none	38-77	M51711T	none	76-6
JANM38510/10201CAB	none	70-74	JANM38510/10709AYB	none	72-46	JANM38510/10802CAC	none	96-23	JANM38510/11003ACA	none	38-78	M51903P	none	97-106
JANM38510/10201CAC	none	70-75	JANM38510/10709AYC	none	72-47	JANM38510/10802CDA	none	96-24	JANM38510/11003ACB	none	38-79	MA709AML	none	29-103
JANM38510/10201CBA	none	70-76	JANM38510/10709BYB	none	72-48	JANM38510/10802CDB	none	96-25	JANM38510/11003ACC	none	38-80	MA709CL	none	37-71
JANM38510/10201CBB	none	70-77	JANM38510/10709BYC	none	72-49	JANM38510/10802CDC	none	96-26	JANM38510/11003ADA	none	38-81	MA709ML	none	34-98
JANM38510/10201CBC	none	71-1	JANM38510/10801AAA	none	95-49	JANM38510/11001AAA	none	30-6	JANM38510/11003ADB	none	38-82	MA711CL	none	76-7
JANM38510/10201CDA	none	71-2	JANM38510/10801AAB	none	95-50	JANM38510/11001AAB	none	30-7	JANM38510/11003ADC	none	38-83	MA711ML	none	75-86
JANM38510/10201CDB	none	71-3	JANM38510/10801AAC	none	95-51	JANM38510/11001AAC	none	30-8	JANM38510/11003BAA	none	38-84	MA711NL	none	75-87
JANM38510/10201CDC	none	71-4	JANM38510/10801ACA	none	95-52	JANM38510/11001ACA	none	30-9	JANM38510/11003BAB	none	38-85	MA723CL	none	71-20
JANM38510/10201CHA	none	71-5	JANM38510/10801ACB	none	95-53	JANM38510/11001ACB	none	30-10	JANM38510/11003BAC	none	38-86	MA723ML	none	54-31
JANM38510/10201CHB	none	71-6	JANM38510/10801ACC	none	95-54	JANM38510/11001ACC	none	30-11	JANM38510/11003BDA	none	38-87	MA733CL	none	61-103
JANM38510/10201CHC	none	71-7	JANM38510/10801ADA	none	95-55	JANM38510/11001ADA	none	30-12	JANM38510/11003BDB	none	38-88	MA733ML	none	54-32
JANM38510/10701AXA	none	63-31	JANM38510/10801ADB	none	95-56	JANM38510/11001ADB	none	30-13	JANM38510/11003BDC	none	38-89	MA747CL	none	61-105
JANM38510/10701AXB	none	63-32	JANM38510/10801ADC	none	95-57	JANM38510/11001ADC	none	30-14	JANM38510/11003CAA	none	38-90	MA747ML	none	26-12
JANM38510/10701AXC	none	63-33	JANM38510/10801AMA	none	95-58	JANM38510/11001BAA	none	30-15	JANM38510/11003CAB	none	38-91	MA747TL	none	26-13
JANM38510/10701AYA	none	63-34	JANM38510/10801AMB	none	95-59	JANM38510/11001BAB	none	30-16	JANM38510/11003CAC	none	38-92	MA747ML	none	25-8
JANM38510/10701AYB	none	63-35	JANM38510/10801AMC	none	95-60	JANM38510/11001BAC	none	30-17	JANM38510/11003CCA	none	39-1	MA747ML	none	25-9
JANM38510/10701AYC	none	63-36	JANM38510/10801BAA	none	95-61	JANM38510/11001BCC	none	30-18	JANM38510/11003CCB	none	39-2	MA747ML	none	25-10
JANM38510/10701BXA	none	63-37	JANM38510/10801BAB	none	95-62	JANM38510/11001BDA	none	30-19	JANM38510/11003CCC	none	39-3	MA747ML	none	25-11
JANM38510/10701BXB	none	63-38	JANM38510/10801BAC	none	95-63	JANM38510/11001BDB	none	30-20	JANM38510/11003CDA	none	39-4	MA747ML	none	25-12
JANM38510/10701BXC	none	63-39	JANM38510/10801BCA	none	95-64	JANM38510/11001BDC	none	30-21	JANM38510/11003CDB	none	39-5	MA747ML	none	25-13
JANM38510/10701BYA	none	63-40	JANM38510/10801BCB	none	95-65	JANM38510/11001CAA	none	30-22	JANM38510/11003CDC	none	39-6	MA747ML	none	25-14
JANM38510/10701BYB	none	63-41	JANM38510/10801BCC	none	95-66	JANM38510/11001CAB	none	30-23	JANM38510/11004ACA	none	42-78	MA747ML	none	25-15
JANM38510/10701BYC	none	63-42	JANM38510/10801BDA	none	95-67	JANM38510/11001CAC	none	30-24	JANM38510/11004ACB	none	42-79	MA747ML	none	25-16
JANM38510/10701CXA	none	63-43	JANM38510/10801BDB	none	95-68	JANM38510/11001CCC	none	30-25	JANM38510/11004ACC	none	42-80	MA747ML	none	25-17
JANM38510/10701CXB	none	63-44	JANM38510/10801BDC	none	95-69	JANM38510/11001CDA	none	30-26	JANM38510/11004ACD	none	42-81	MA747ML	none	25-18
JANM38510/10701CXC	none	63-45	JANM38510/10801BMA	none	95-70	JANM38510/11001CDB	none	30-27	JANM38510/11004ACE	none	42-82	MA747ML	none	25-19
JANM38510/10701CYA	none	63-46	JANM38510/10801BMB	none	95-71	JANM38510/11001CDC	none	30-28	JANM38510/11005AAA	none	28-41	MA747ML	none	25-20
JANM38510/10701CYB	none	63-47	JANM38510/10801BMC	none	95-72	JANM38510/11002AAA	none	30-29	JANM38510/11005AAB	none	28-42	MA747ML	none	25-21
JANM38510/10701CYC	none	63-48	JANM38510/10801CAA	none	95-73	JANM38510/11002AAB	none	30-30	JANM38510/11005AAC	none	28-43	MA747ML	none	25-22
JANM38510/10702AXA	none	63-49	JANM38510/10801CAB	none	95-74	JANM38510/11002AAC	none	30-31	JANM38510/11005ACA	none	28-44	MA747ML	none	25-23
JANM38510/10702AXB	none	63-50	JANM38510/10801CAC	none	95-75	JANM38510/11002ACA	none	30-32	JANM38510/11005ACB	none	28-45	MA747ML	none	25-24
JANM38510/10702AXC	none	63-51	JANM38510/10801CCA	none	95-76	JANM38510/11002ACB	none	30-33	JANM38510/11005ACC	none	28-46	MA747ML	none	25-25
JANM38510/10703AXA	none	67-16	JANM38510/10801CCB	none	95-77	JANM38510/11002ACC	none	30-34	JANM38510/11005ADA	none	28-47	MA747ML	none	25-26
JANM38510/10703AXB	none	67-17	JANM38510/10801CCC	none	95-78	JANM38510/11002ADA	none	30-35	JANM38510/11005ADB	none	28-48	MA747ML	none	25-27
JANM38510/10703AXC	none	67-18	JANM38510/10801CDA	none	95-79	JANM38510/11002ADB	none	30-36	JANM38510/11005ADC	none	28-49	MA747ML	none	25-28
JANM38510/10704AXA	none	68-52	JANM38510/10801CDB	none	96-1	JANM38510/11002ADC	none	30-37	JANM38510/11005BAA	none	28-50	MA747ML	none	25-29
JANM38510/10704AXB	none	68-53	JANM38510/10801CDC	none	96-2	JANM38510/11002BAA	none	30-38	JANM38510/11005BAB	none	28-51	MA747ML	none	25-30
JANM38510/10704AXC	none	68-54	JANM38510/10801CMA	none	96-3	JANM38510/11002BAB	none	30-39	JANM38510/11005BAC	none	28-52	MA747ML	none	25-31
JANM38510/10705AXA	none	72-42	JANM38510/10801CMB	none	96-4	JANM38510/11002BAC	none	30-40	JANM38510/11005BAC	none	28-53	MA747ML	none	25-32
JANM38510/10705AXB	none	72-43	JANM38510/10801CMC	none	96-5	JANM38510/11002BCA	none	30-41	JANM38510/11005BCB	none	28-54	MA747ML	none	25-33
JANM38510/10705AXC	none	72-44	JANM38510/10802AAA	none	96-6	JANM38510/11002BCB	none	30-42	JANM38510/11005BCC	none	28-55	MA747ML	none	25-34
JANM38510/10706AYA	none	63-55	JANM38510/10802AAB	none	96-7	JANM38510/11002BCC	none	30-43	JANM38510/11005BDA	none	28-56	MA747ML	none	25-35
JANM38510/10706AYB	none	63-56	JANM38510/10802AAC	none	96-8	JANM38510/11002BDA	none	30-44	JANM38510/11005BDB	none	28-57	MA747ML	none	25-36
JANM38510/10706AYC	none	63-57	JANM38510/10802ACA	none	96-9	JANM38510/11002BDB	none	30-45	JANM38510/11005BDC	none	28-58	MA747ML	none	25-37
JANM38510/10706BYB	none	63-58	JANM38510/10802ACB	none	96-10	JANM38510/11002BDC	none	30-46	JANM38510/11005CAA	none	28-59	MA747ML	none	25-38
JANM38510/10706BYC	none	63-59	JANM38510/10802ACC	none	96-11	JANM38510/11002CAA	none	30-47	JANM38510/11005CAB	none	28-60	MA747ML	none	25-39

LINEAR

2. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

LINEAR	TYPE No.			MFRS Pg&Line			TYPE No.			MFRS Pg&Line			TYPE No.			MFRS Pg&Line		
	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
	MC1525G	MOTA	54-75	MCLT6010	♦MOTA	99-89	MLM111F	♦MOTA	77-14	MT305	♦TADI	69-83	OPT6FF	♦PMI	38-48			
	MC1526G	MOTA	54-74	MCLT6025	♦MOTA	99-70	MLM111L	♦MOTA	77-15	MT306	TADI	76-80	OP16GP	♦PMI	40-58			
	MC1529G	MOTA	54-73	MCLT6050	♦MOTA	99-71	MLM201AU	♦MOTA	49-87	MT307	♦TADI	29-5	OP17FP	♦PMI	38-50			
	MC1537P	♦MOTA	39-59	MCLT6100	♦MOTA	99-72	MLM211F	♦MOTA	77-16	MT370	TADI	103-101	OP17GP	♦PMI	40-60			
	MC1567G	♦MOTA	68-3	MFC4000A	♦MOTA	56-53	MLM211L	♦MOTA	77-17	MT371	♦TADI	60-3	OSP850-50	TPN	78-89			
	MC1567F	♦MOTA	68-4	MFC4000B	♦MOTA	56-55	MLM311F	♦MOTA	77-29	MT372	TADI	102-86	OSP8100-10	TPN	78-91			
	MC1559F	none	56-89	MFC4000P	♦MOTA	56-60	MLM311L	♦MOTA	77-30	MT373	TADI	102-87	P1.10.100J	♦SCD	87-9			
	MC1590G	none	59-71	MFC4010	♦MOTA	61-13	MM20	MDI	58-6	MT703	♦TADI	59-57	P1.10.200	SCD	87-10			
			56-90	MFC4010A	♦MOTA	57-34	MN205	MNC	96-28	MT703C	♦TADI	59-58	P1.10.200K	SCD	87-11			
			59-72			59-96	MN206	MNC	96-29	MT703E	♦TADI	59-59	P1.12.400	SCD	87-12			
	MC1595	LSI	80-27	MFC4010P	♦MOTA	61-14	MN210	MNC	67-102	MT709	♦TADI	34-103	P1.12.400K	SCD	87-13			
	MC1596#1	LSI	103-67	MFC4050	♦MOTA	57-31	MN211	MNC	68-1	MT709C	♦TADI	37-46	P1.15.400	SCD	87-14			
	MC1596#2	LSI	103-68	MFC4060	♦MOTA	63-13	MN212	MNC	68-2	MT709CN	♦TADI	37-47	P1.15.400K	SCD	87-15			
	MC1709C	none	34-99	MFC4060A	♦MOTA	70-41	MP1.5.1000-2.12.100			MT710	♦TADI	76-69	P1.18.100	SCD	87-16			
	MC1709CP	♦MOTA	37-87	MFC4062A	♦MOTA	70-42				MT710A	♦TADI	75-48	P1.18.100K	SCD	87-17			
	MC1723CF	♦MOTA	71-22	MFC4063A	♦MOTA	66-93	MP1.5.1000-2.15.100			MT710C	♦TADI	75-53	P1.18.200	SCD	87-18			
	MC1723F	♦MOTA	71-23	MFC4064A	♦MOTA	66-94				MT711	♦TADI	75-90	P1.18.200K	SCD	87-19			
	MC1741CP	♦MOTA	26-14	MFC6000	♦MOTA	56-54	MP1.5.225-2.15.40			MT711C	♦TADI	75-108	P1.200.25	SCD	87-20			
	MC1741P	♦MOTA	27-4	MFC6010	♦MOTA	59-39				MT723	♦TADI	71-44	P1.200.25K	SCD	87-21			
	MC7705CG	♦MOTA	64-11	MFC6030	♦MOTA	63-14	MP1.5.750-2.12.150			MT723C	♦TADI	71-45	P1.22.100	SCD	87-22			
	MC7705CP	♦MOTA	64-20	MFC6030A	♦MOTA	70-43				MT741	♦TADI	25-13	P1.22.100K	SCD	87-23			
	MC7705CF	♦MOTA	64-21	MFC6032A	♦MOTA	70-44	MP1.5.750-2.15.150			MT741C	♦TADI	26-17	P1.22.200	SCD	87-24			
	MC7706CG	♦MOTA	65-3	MFC6033A	♦MOTA	66-95				MU401	GPS	79-89	P1.22.200K	SCD	87-25			
	MC7706CF	♦MOTA	65-5	MFC6034A	♦MOTA	66-96	MPC900	♦MOTA	69-58	MU402	GPS	79-90	P1.24.100	SCD	87-26			
	MC7706CT	♦MOTA	65-6	MFC6040	♦MOTA	57-17	MPC1000	♦MOTA	70-30	MU403	GPS	79-91	P1.24.100K	SCD	87-27			
	MC7708CG	♦MOTA	65-63	MFC6070	♦MOTA	57-20	MPD5-150	ANA	86-93	MU404	GPS	79-92	P1.24.200	SCD	87-28			
	MC7708CF	♦MOTA	65-65	MFC8000P	♦MOTA	102-36	MPD5-150A	ANA	86-94	MU405	GPS	79-93	P1.24.200K	SCD	87-29			
	MC7708CT	♦MOTA	65-66	MFC8001P	♦MOTA	102-37	MPD5-150B	ANA	93-21	MU407	GPS	79-94	P1.28.100	SCD	87-30			
	MC7712CG	♦MOTA	67-41	MFC8002F	♦MOTA	102-38	MPD5-150C	ANA	93-22	MU4010	GPS	79-95	P1.28.100K	SCD	87-31			
	MC7712CF	♦MOTA	67-48	MFC8010	♦MOTA	57-21	MPD5-750A	ANA	86-95	MU4020	GPS	79-52	P1.28.200	SCD	87-32			
	MC7712CT	♦MOTA	67-49	MFC8020	♦MOTA	58-35	MPD5-750B	ANA	93-23	MU4030	GPS	79-53	P1.28.200K	SCD	87-33			
	MC7715CG	♦MOTA	68-51	MFC8020A	♦MOTA	58-27	MPD5-750C	ANA	93-24	MU4040	GPS	79-54	P1.30.100	SCD	87-34			
	MC7715CF	♦MOTA	68-58	MFC8021A	♦MOTA	57-4	MPD15-100A	ANA	86-96	MU4050	GPS	79-55	P1.30.100K	SCD	87-35			
	MC7715CT	♦MOTA	68-59	MFC8022A	♦MOTA	58-57	MPD15-100B	ANA	93-25	MU4060	GPS	79-56	P1.30.200	SCD	87-36			
	MC7718CG	♦MOTA	69-97	MFC8030	♦MOTA	54-10	MPD15-100C	ANA	93-26	N53A1A	♦SIC	29-6	P1.30.200K	SCD	87-37			
	MC7718CF	♦MOTA	69-102	MFC8040	♦MOTA	58-4	MPD15-300	ANA	86-97	N53A1V	♦SIC	29-7	P1.36.100	SCD	87-38			
	MC7718CT	♦MOTA	69-103	MFC8070	♦MOTA	99-12	MPD15-300A	ANA	86-98	N5301G	♦SIC	29-8	P1.36.100K	SCD	87-39			
	MC7720CG	♦MOTA	71-66	MFC9000	♦MOTA	57-55	MPD15-300B	ANA	93-27	N5201G	♦SIC	49-38	P1.48.100	SCD	87-40			
	MC7720CF	♦MOTA	71-76	MFC9010	♦MOTA	57-42	MPD15-300C	ANA	93-28	N5308G	♦SIC	45-91	P1.48.100K	SCD	87-41			
	MC7720CT	♦MOTA	71-77	MFC9020	♦MOTA	57-62	MR1050-3	♦TRA	86-99	N5595A	♦SIC	80-28	P1.5.1000	SCD	87-42			
	MC7724CG	♦MOTA	72-66	MFE5000	♦MOTA	96-27	MR1050-5	♦TRA	86-100	N5709G	♦SIC	37-72	P1.5.1500	SCD	87-43			
	MC7724CF	♦MOTA	72-82	MH1A709	SIE	34-89	MR1050-8	♦TRA	86-101	NC109T	♦SIC	66-21	P1.5.1500K	SCD	87-44			
	MC7724CT	♦MOTA	72-82	MH1A741	SIE	24-94	MR1150-3	♦TRA	86-102	NE501GΔ	SPR	61-6	P1.5.2000	SCD	87-45			
	MC7805CF	♦MOTA	64-22	MI42070-055	♦MPI	64-60	MR1150-5	♦TRA	86-103	NE501G*	♦SIC	61-11	P1.5.2000K	SCD	87-46			
	MC7806CF	♦MOTA	65-7	MI42070-065	♦MPI	65-34	MR1150-8	♦TRA	86-104	NE501KΔ	SPR	61-7	P1.5.250	♦SCD	87-47			
	MC7808CF	♦MOTA	65-67	MI42070-085	♦MPI	65-88	MR2150-5	♦TRA	86-105	NE510AΔ	LSI	59-63	P1.5.500K	SCD	87-48			
	MC7812CF	♦MOTA	67-50	MI42070-095	♦MPI	66-6	MR2150-8	♦TRA	87-1	NE510J	♦SIC	59-65	P2A	♦TPN	39-37			
	MC7815CF	♦MOTA	68-60	MI42070-105	♦MPI	66-91	MR3050-8	♦TRA	87-2	NE510J#1	♦SIC	59-28	P2AU	♦TPN	39-51			
	MC7818CF	♦MOTA	69-104	MI42070-125	♦MPI	67-95	MRD6039D	♦MOTA	98-110	NE510J#2	♦SIC	59-32	P2.10.100	SCD	87-49			
	MC7824CF	♦MOTA	72-40	MI42070-145	♦MPI	68-7	MRD6039T	♦MOTA	96-30	NE511R	♦SIC	54-22	P2.10.100K	SCD	87-50			
	MC7902CF	♦MOTA	63-8	MI42070-155	♦MPI	69-21	MS101	♦MIS	41-20			59-29	P2.10.50J	♦SCD	87-51			
	MC7905CF	♦MOTA	64-23	MI42070-165	♦MPI	69-52	MS201	♦MIS	41-22	NE515G	SIC	54-4	P2.12.100-6.100K	SCD	87-52			
	MC7905.2CF	♦MOTA	64-78	MI42070-185	♦MPI	70-29	MS214	♦MIS	99-1	NE516A	SIC	35-99		SCD				
	MC7906CF	♦MOTA	65-8	MI42070-204	♦MPI	71-87	MS723	MIS	71-26	NE516G	SIC	35-100	P2.12.100K	SCD	87-53			
	MC7908CF	♦MOTA	65-68	MI42070-224	♦MPI	72-19	MS723C	♦MIS	71-27	NE516K	SIC	35-101	P2.12.200K	SCD	87-54			
	MC7912CF	♦MOTA	67-51	MI42070-244	♦MPI	73-9	MS741	♦MIS	41-21	NE517A	SIC	37-60	P2.12.25	SCD	87-55			
	MC7915CF	♦MOTA	68-61	MI42070-263	♦MPI	73-31	MS741X	♦MIS	41-19	NE517Q	SIC	37-61	P2.12.25K	SCD	87-56			
	MC7918CF	♦MOTA	69-105	MI42070-283	♦MPI	73-44	MS747C	♦MIS	44-80	NE518A	SIC	74-28	P2.12.300K	SCD	87-57			
	MC7924CF	♦MOTA	72-83	MI42070-303	♦MPI	73-47	MSF741A	♦MIS	41-33	NE518GΔ	SPR	74-24	P2.12.50-6.50K	SCD	87-58			
	MC34003AG	♦MOTA	33-27	MI42070-322	♦MPI	73-54	MSF741B	♦MIS	41-54	NE518G*	♦SIC	74-29		SCD				
	MC34003AP	♦MOTA	33-28	MI42070-342	♦MPI	73-56	MSF741LNA	♦MIS	41-34	NE518KΔ	SPR	74-25	P2.12.50J	♦SCD	87-59			
	MC34003AU	♦MOTA	33-29	MI42080	♦MPI	104-61	MSF741LNB	♦MIS	41-55	NE518K*	♦SIC	74-30	P2.15.100K	SCD	87-60			
	MC34003BG	♦MOTA	33-32	MIC10281	♦MPI	104-62	MSN5558	♦MIS	44-81	NE526G	♦SIC	74-31	P2.15.200K	SCD	87-61			
	MC34003BP	♦MOTA	33-33	MIC10101D	MAL	56-75	MT100F	♦TADI	69-48	NE526Q	SIC	74-32	P2.15.25	SCD	87-62			
	MC34003BU	♦MOTA	33-34	MIC10101M	MAL	56-76	MT100M	♦TADI	69-49	NE530A	SIC	27-26	P2.15.25K	SCD	87-63			
	MC34003C	♦MOTA	34-86	MIC10102	MAL	57-58	MT101	♦TADI	48-35	NE530F	none	27-83	P2.15.300K	SCD	87-64			
	MC34003P	♦MOTA	34-87	MIC10103H	MAL	56-2	MT101-883	♦TADI	49-19	NE530FE	none	27-84	P2.15.60K	SCD	87-65			

2. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
P741-612K	SCD	87- 89	PM357AP	◆PMI	38- 23	PM922A	◆CPR	93- 58	PV510K-C	◆SRL	66- 34	RC101ACT	◆RTN	27- 30
P741-615	SCD	87- 90	PM363	◆CPR	88- 3	PM922B	◆CPR	93- 59	PVS10K-D	◆SRL	66- 35	RC101CD	◆RTN	28- 3
P741-615K	SCD	87- 91	PM376	◆CPR	88- 4	PM923A	◆CPR	93- 60	PVS10K-A	◆SRL	66- 36	RC101CQ	◆RTN	28- 4
P741-1005	SCD	87- 92	PM385	◆CPR	88- 5	PM923B	◆CPR	93- 61	PVS10K-D	◆SRL	66- 37	RC101CT	◆RTN	28- 5
P741-1005K	SCD	87- 93	PM408	◆CPR	88- 6	PM924A	◆CPR	93- 62	PVS10M-A	◆SRL	66- 38	RC102C	◆RTN	78- 80
P741-1006	SCD	87- 94	PM419	◆CPR	88- 7	PM924B	◆CPR	93- 63	PVS10M-B	◆SRL	66- 39	RC102T	◆RTN	78- 1
P741-1006K	SCD	87- 95	PM420	◆CPR	88- 8	PM931A	◆CPR	93- 64	PVS10M-C	◆SRL	66- 40	RC104BL	◆RTN	68- 94
P741-1012	SCD	87- 96	PM422	◆CPR	88- 9	PM931B	◆CPR	93- 65	PVS10M-C-A	◆SRL	66- 41	RC105BL	◆RTN	69- 62
P741-1012K	SCD	87- 97	PM426	◆CPR	88- 10	PM932	◆CPR	93- 66	PVS10N-A	◆SRL	66- 42	RC106BL	◆RTN	77- 65
P741-1015	SCD	87- 98	PM428	◆CPR	88- 11	PM932A	◆CPR	93- 67	PVS10N-B	◆SRL	66- 43	RC702AQ	◆RTN	22- 43
P741-1015K	SCD	87- 99	PM429	◆CPR	88- 12	PM932B	◆CPR	93- 68	PVS10N-C	◆SRL	66- 44	RC702CQ	◆RTN	22- 74
P741-2005	SCD	87-100	PM430	◆CPR	88- 13	PM933A	◆CPR	93- 69	PVS10N-D	◆SRL	66- 45	RC702CT	◆RTN	22- 75
P741-2005K	SCD	87-101	PM438	◆CPR	88- 14	PM933B	◆CPR	93- 70	PVS10N-A	◆SRL	66- 46	RC702DC	◆RTN	22- 55
P741-2006	SCD	87-102	PM439	◆CPR	88- 15	PM934A	◆CPR	93- 71	PVS10N-D	◆SRL	66- 47	RC702DN	◆RTN	22- 37
P741-2006K	SCD	87-103	PM441	◆CPR	88- 16	PM934B	◆CPR	93- 72	PVSN10BC-A	◆SRL	66- 48	RC702DP	◆RTN	22- 36
P741-2505S	SCD	87-104	PM444	◆CPR	88- 17	PM941A	◆CPR	93- 73	PVSN10CC-A	◆SRL	66- 49	RC702Q	◆RTN	22- 56
P741-2505SK	SCD	87-105	PM452	◆CPR	88- 18	PM942	◆CPR	93- 74	PVSN10GC-A	◆SRL	66- 50	RC702T	◆RTN	22- 56
P741-3005	SCD	87-106	PM456	◆CPR	88- 19	PM942A	◆CPR	93- 75	PVSN10HC-A	◆SRL	66- 51	RC709BL	◆RTN	41- 1
P741-3005K	SCD	87-107	PM460	◆CPR	88- 20	PM943A	◆CPR	93- 76	PVSN10HD	◆SRL	66- 52	RC709BD	◆RTN	46- 30
P741-5005S	SCD	87-108	PM462	◆CPR	88- 21	PM944A	◆CPR	93- 77	PVSN10JC-A	◆SRL	66- 53	RC709CQ	◆RTN	46- 31
P741-5005SK	SCD	87-109	PM463	◆CPR	88- 22	PM951A	◆CPR	93- 78	PVSN10K-A	◆SRL	66- 54	RC709CT	◆RTN	46- 32
PA103	◆TSIX	42- 59	PM474	◆CPR	88- 23	PM951B	◆CPR	93- 79	PVSN10K-B	◆SRL	66- 55	RC709DN	◆RTN	28- 21
PA104	◆TSIX	52- 12	PM476	◆CPR	88- 24	PM952A	◆CPR	93- 80	PVSN10K-C	◆SRL	66- 56	RC709DP	◆RTN	28- 22
PA201	◆TSIX	55- 70	PM485	◆CPR	88- 25	PM952B	◆CPR	93- 81	PVSN10K-A	◆SRL	66- 57	RC709NB	◆RTN	37- 23
PA209	◆TSIX	52- 14	PM487	◆CPR	88- 26	PM961A	◆CPR	93- 82	PVSN10K-D	◆SRL	66- 58	RC709Q	◆RTN	37- 73
PA301	◆TSIX	55- 71	PM493	◆CPR	88- 27	PM961B	◆CPR	93- 83	PVSN10M-A	◆SRL	66- 59	RC710BL	◆RTN	75- 23
PA7600	PHIL	59- 4	PM504	◆CPR	88- 28	PM962A	◆CPR	93- 84	PVSN10M-B	◆SRL	66- 60	RC710DB	◆RTN	75- 7
		61- 15	PM506	◆CPR	88- 29	PM962B	◆CPR	93- 85	PVSN10M-C	◆SRL	66- 61	RC710DN	◆RTN	75- 24
PA7601	PHIL	59- 69	PM508	◆CPR	88- 30	PM971A	◆CPR	93- 86	PVSN10MC-A	◆SRL	66- 62	RC710DP	◆RTN	75- 25
PA7602	PHIL	56- 73	PM519	◆CPR	88- 31	PM971B	◆CPR	93- 87	PVSN10N-A	◆SRL	66- 63	RC710Q	◆RTN	75- 8
PA7605	PHIL	54- 6	PM520	◆CPR	88- 32	PM972A	◆CPR	93- 88	PVSN10N-B	◆SRL	66- 64	RC711BL	◆RTN	75- 75
		61- 31	PM521	◆CPR	88- 33	PM972B	◆CPR	93- 89	PVSN10N-C	◆SRL	66- 65	RC711CD	◆RTN	76- 94
PA7605-39	◆PHIL	54- 8	PM522	◆CPR	88- 34	PM981A	◆CPR	93- 90	PVSN10N-D	◆SRL	66- 66	RC711CQ	◆RTN	76- 95
		61- 37	PM523	◆CPR	88- 35	PM981B	◆CPR	93- 91	PVSN10N-A	◆SRL	66- 67	RC711CT	◆RTN	76- 96
PA7606	PHIL	54- 7	PM524	◆CPR	88- 36	PM982A	◆CPR	93- 92	PVSN10ND	◆SRL	66- 68	RC711DC	◆RTN	75- 67
		61- 32	PM526	◆CPR	88- 37	PM982B	◆CPR	93- 93	Q25AH	◆TPN	39- 81	RC711DP	◆RTN	75- 68
PA7703-39	PHIL	59- 54	PM528	◆CPR	88- 38	PM991A	◆CPR	93- 94	Q82AH	◆TPN	45- 50	RC711Q	◆RTN	75- 69
PA7703-49	PHIL	59- 60	PM529B	◆CPR	88- 39	PM992A	◆CPR	93- 95	Q85AH	◆TPN	39- 14	RC711T	◆RTN	75- 70
PA7709-31	PHIL	34-104	PM530	◆CPR	88- 40	PM6040	◆ARL	52- 84	Q101	◆TPN	41- 36	RC733DB	◆RTN	61- 92
PA7709-39	PHIL	37- 88	PM532	◆CPR	88- 41	PM6100	◆ARL	52- 87	Q101A	◆TPN	41- 31	RC733DC	◆RTN	61- 108
PA7710-31	PHIL	74- 89	PM539	◆CPR	88- 42	PM6A50	◆ARL	58- 79	Q102	◆TPN	41- 37	RC733DP	◆RTN	61- 109
PA7710-39	◆PHIL	75- 20	PM541	◆CPR	88- 43	PMC15K5	◆LAM	64- 38	Q102A	◆TPN	41- 32	RC733Q	◆RTN	61- 110
PA7711-31	PHIL	75- 91	PM544	◆CPR	88- 44	PMC15K6	◆LAM	65- 19	Q103	◆TPN	45- 30	RC733TF	◆RTN	62- 46
PA7711-39	◆PHIL	75- 92	PM547	◆CPR	88- 45	PMC15K8	◆LAM	65- 80	Q103A	◆TPN	45- 29	RC741CD	◆RTN	26- 22
PA7712-31	PHIL	54- 64	PM551	◆CPR	88- 46	PMC15K10	◆LAM	66- 82	Q200	◆TPN	23- 29	RC741CQ	◆RTN	26- 23
		62- 51	PM552	◆CPR	88- 47	PMC15K12	◆LAM	67- 66	Q200A	◆TPN	45- 17	RC741CT	◆RTN	26- 24
PA7712-39	PHIL	54- 61	PM555	◆CPR	88- 48	PMC15K15	◆LAM	69- 13	QA1	◆TPN	36- 60	RC741DB	◆RTN	25- 18
		62- 48	PM556	◆CPR	88- 49	PMC15K18	◆LAM	70- 26	QFT2	◆TPN	40- 87		SPR	
PA7713	PHIL	59- 2	PM558	◆CPR	88- 50	PMC15K20	◆LAM	71- 85	QFT2A	◆TPN	40- 37	RC741Q	◆RTN	26- 25
		61- 3	PM559	◆CPR	88- 51	PMC15K24	◆LAM	72- 99	QFT2B	◆TPN	40- 21		SPR	
PA7741-31	◆PHIL	24- 95	PM568	◆CPR	88- 52	PMC15K28	◆LAM	73- 42	QFT5	◆TPN	42- 68	RC748BL	◆RTN	26- 26
PA7741-39	PHIL	26- 19	PM588	◆CPR	88- 53	PMC18K2	◆LAM	63- 9	QFT12	◆TPN	40- 88	RC748D	◆RTN	26- 27
PA7741C39	◆PHIL	25- 14	PM593	◆CPR	88- 54	PMC18K5	◆LAM	64- 39	QFT12A	◆TPN	40- 38	RC748DE	◆RTN	26- 28
PA7751-39	PHIL	21- 52	PM595	◆CPR	88- 55	PMC18K5.2	◆LAM	64- 79	QFT12B	◆TPN	40- 22	RC748DP	◆RTN	26- 29
PC200	GIC	22- 81	PM598#1	◆CPR	88- 56	PMC18K6	◆LAM	65- 20	R1AA	◆RTN	102- 39	RC748NB	◆RTN	26- 30
PC200H	GIC	22- 82	PM598#2	◆CPR	88- 57	PMC18K8	◆LAM	65- 81	R15	◆DDC	68- 17	RC748Q	◆RTN	26- 31
PC201	GIC	22- 78	PM599#1	◆CPR	88- 58	PMC18K10	◆LAM	66- 83			88-102	RC748T	◆RTN	26- 32
PC201H	GIC	22- 79	PM599#2	◆CPR	88- 59	PMC18K12	◆LAM	67- 67	R47M10	◆RCA	98- 3	RC1101ACD	◆RTN	27- 31
PC210H	GIC	46- 33	PM603	◆ARL	52- 90	PMC18K15	◆LAM	69- 14	R47M13	◆RCA	98- 4	RC1101ACQ	◆RTN	27- 32
PC212H	GIC	46- 5	PM603A	◆ARL	52- 85	PMC18K18	◆LAM	70- 27	R47M15	◆RCA	98- 5	RC1101ACT	◆RTN	27- 33
PC250	GIC	22- 84	PM608	◆CPR	88- 60	PMC18K20	◆LAM	71- 86	R101M	◆INT	80- 56	RC1414D	◆RTN	76- 31
PC251	GIC	22- 85	PM619	◆CPR	88- 61	PMC18K24	◆LAM	72-100	R301	◆INT	98- 6	RC1414DP	◆RTN	76- 32
PC511H	GIC	66-110	PM620	◆CPR	88- 62	PMC18K28	◆LAM	73- 43	R675B-2	◆HBC	66- 12	RC1514D	◆RTN	76- 33
PC513H	GIC	67- 1	PM622	◆CPR	88- 63	PP25A	◆TPN	32- 61	R675B-6	◆HBC	66- 14	RC1514DP	◆RTN	76- 34
PD5	◆MIA	93- 29	PM626	◆CPR	88- 64	PP25AU	◆TPN	32- 65	R675B-7	◆HBC	66- 15	RC1556AD	◆RTN	44- 2
PD13-20	◆MIA	93- 30	PM628	◆CPR	88- 65	PP25C	◆TPN	32- 63	R675B-8	◆HBC	66- 16	RC1556ANB	◆RTN	44- 3
PD15	◆MIA	93- 31	PM629	◆CPR	88- 66	PP45	◆TPN	32- 29	R675C-2	◆HBC	66- 13	RC1556AT	◆RTN	44- 4
PD7709-31	PHIL	34-105	PM630	◆CPR	88- 67	PP45U	◆TPN	31- 9	R675C-6	◆HBC	66- 17	RC1556D	◆RTN	24- 20
PD7709-39	PHIL	37- 89	PM638	◆CPR	88- 68	PP65A	◆TPN	35- 59	R675C-7	◆HBC	66- 18	RC1556NB	◆RTN	24- 21
PD7710-31	PHIL	74- 90	PM639	◆CPR	88- 69	PP65AH	◆TPN	36- 27	R675C-8	◆HBC	66- 19	RC1556T	◆RTN	24- 22
PD7710-39	PHIL	75- 21	PM641	◆CPR	88- 70	PP65AHU	◆TPN	36- 28	R1862-3062	◆MIA	93- 97	RC1741BL	◆RTN	25- 19
PD7711-31	PHIL	75- 93	PM644	◆CPR	88- 71	PP65AU	◆TPN	37- 18	RA238	◆HAS	48- 44	RC3078DE	◆RTN	21- 67
PD7711-39	PHIL	75- 94	PM652	◆CPR	88- 72	PP65C	◆TPN	35- 60	RA240	◆HAS	48- 45	RC3301N	◆RTN	43- 29
PD7712-31	PHIL</													

2. TYPE No. CROSS INDEX

LINEAR	IN TYPE NUMBER SEQUENCE													
	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS
RC4741D	RTN	35-81	RM4443	RTN	76-41	SE18D100E	SCD	89-24	SFC2711E	THCF	76-10	SL78L24	PLSB	73-11
RC4741J	RTN	35-82	RM4443D	RTN	76-42	SE18S100	SCD	89-25	SFC2711PC	THCF	76-11	SL78L30	PLSB	73-48
RESS500	SCD	64-56	RM4443J	RTN	76-43	SE18S100E	SCD	89-26	SFC2741PC	THCF	26-39	SL201B#1	PLSB	61-26
RE12D100	SCD	67-91	RM4531D	RTN	38-8	SE20S100	SCD	89-27	SFC2748PC	THCF	24-63	SL201B#2	PLSB	61-28
RE15D100	SCD	69-10	RM4531DN	RTN	38-8	SE20S100E	SCD	89-28	SFC2776PC	THCF	45-88	SL201C#1	PLSB	61-25
RE24D100	SCD	72-85	RM4558DN	RTN	35-76	SE24D50	SCD	89-29	SG100N	SGL	69-42	SL201C#2	PLSB	61-27
RLM248DB	none	22-6	RM4558L	RTN	35-77	SE24D50E	SCD	89-30	SG101	INT	80-94	SL402A	PLSB	57-9
RM101ABL	RTN	43-110		RTN		SE24S100	SCD	89-31	SG101M	INT	80-95	SL402D	PLSB	57-11
RM101CD	RTN	49-46	RM4709	RTN	39-57	SE24S100E	SCD	89-32	SG105N	SGL	70-20	SL403A	PLSB	57-10
RM101CF	RTN	49-47	RM4709A	RTN	39-60	SE24S100E	SCD	89-33	SG118AT	SGL	47-26	SL403D	PLSB	57-39
RM101CT	RTN	49-48	RM4709AD	RTN	39-62	SE24S100E	SCD	89-34	SG118J	SGL	39-102	SL414A	PLSB	57-40
RM101F	RTN	49-49	RM4709AJ	RTN	39-65	SE501GA	SCD	89-34	SG118T	SGL	39-103	SL415A	PLSB	57-81
RM102T	RTN	78-77	RM4709AT	RTN	39-66	SE501G%	SCD	61-9	SG120-20R	none	71-80	SL432ACM	PLSB	101-108
RM104BL	RTN	71-100	RM4709C	RTN	39-63	SE501KA	SCD	61-10	SG201V	none	22-69	SL432ADP	PLSB	101-109
RM105BL	RTN	72-36	RM4709D	RTN	39-62	SE501OA	LSI	59-64	SG218AT	SGL	47-17	SL435C	PLSB	101-110
RM106BL	RTN	77-64	RM4709E	RTN	39-63	SE501J	SCD	59-66	SG218T	SGL	39-104	SL436B	PLSB	102-1
RM116T	RTN	47-48	RM4709J	RTN	39-63	SE501JG%	SCD	59-30	SG218T	SGL	60-1	SL437C	PLSB	100-80
RM183G	RTN	56-31	RM4709K	RTN	39-64	SE501J#1	SCD	59-33	SG218T	SGL	60-1	SL437D	PLSB	100-81
			RM4741D	RTN	35-78	SE501J#2	SCD	59-30	SG318AT	none	63-1	SL437E	PLSB	100-82
			RM4741J	RTN	35-79	SE511R	SCD	59-31	SG318J	SGL	47-18	SL437F	PLSB	100-83
			RM8311DP	RTN	56-18	SE515G	SIC	54-5	SG318M	SGL	41-80	SL451DG	PLSB	100-84
RM702AD	RTN	22-44	RM8311G	RTN	56-19	SE515G	SIC	35-95	SG318N	SGL	41-81	SL451DP	PLSB	100-85
RM702AQ	RTN	22-45	RM8312G	RTN	56-15	SE515G	SIC	35-96	SG337P	none	63-2	SL456A	PLSB	100-86
RM702AT	RTN	22-46	RM8312G	RTN	56-16	SE517A	SIC	74-2	SG733N	SGL	81-100	SL456B	PLSB	100-87
RM702DC	RTN	22-39	RM8321G	RTN	56-11	SE518A	SIC	74-21	SG741N	SGL	25-24	SL457A	PLSB	100-88
RM702F	RTN	22-40	RM8322G	RTN	56-17	SE518G	SPR	74-26	SG1457J	none	99-109	SL457B	PLSB	100-89
RM702G	RTN	22-28	RM8322G	RTN	56-12	SE518G%	SCD	74-22	SG1495D	SGL	80-30	SL550	PLSB	61-12
RM702T	RTN	22-29	RM8322G	RTN	56-20	SE518KA	SCD	74-27	SG1496G	SGL	98-14	SL610G	PLSB	59-8
RM703	RTN	59-44	RM8341G	RTN	56-21	SE518K%	SCD	74-23	SG1498I	SGL	98-15	SL611G	PLSB	59-9
RM709	RTN	35-13	RM8341G	RTN	56-21	SE518K%	SCD	74-23	SG1501T	SGL	98-20	SL612G	PLSB	59-7
RM709ABL	RTN	28-20	RP12-3/5	RLB	93-98	SE526G	SCD	74-34	SG1596G	SGL	98-16	SL620G	PLSB	98-20
RM709ADC	RTN	28-23	RP12-9/5	RLB	93-99	SE526G	SCD	25-22	SG1596J	SGL	98-16	SL621G	PLSB	98-20
RM709AQ	RTN	28-24	RV4558D	RTN	81-2	SE530A	SIC	27-29	SG1831J	SGL	98-31	SL630G	PLSB	56-88
RM709AT	RTN	28-25	RV3301DB	RTN	21-105	SE530FE	none	27-29	SG250T	SGL	98-32			
RM709BD	RTN	37-74	RV3403ADC	RTN	32-89	SE530G	SIC	27-23	SG250T	SGL	98-21	SL640G	PLSB	98-22
RM709BL	RTN	31-12	RV4151T	RTN	82-24	SE530N	none	28-16	SG2831J	SGL	98-21	SL641G	PLSB	98-23
RM709BQ	RTN	37-75	RV4558D	RTN	35-83	SE530T	SIC	34-9	SG2832J	SGL	98-33	SL645C	PLSB	98-24
RM709BT	RTN	37-76	RV4558D	RTN	35-83	SE531H	none	38-6	SG2833J	SGL	98-13	SL660	PLSB	102-94
RM709CQ	RTN	32-3	SA11A1A	SIC	49-88	SE531I	none	38-4	SG2833J	SGL	98-35	SL680A	PLSB	98-25
RM709Q	RTN	32-4	SA11A1T	SIC	49-89	SE531INT	none	38-4	SG3832J	SGL	96-36	SL703A	PLSB	21-93
RM710ABL	RTN	74-71	SA11A1V	SIC	49-90	SE532H	none	21-15	SG7820ACR	none	61-61	SL704A/F	PLSB	21-94
RM710ADC	RTN	74-72	SA2	TPN	37-91	SE532H	none	21-15	SG7820CP	none	71-62	SL704A/T	PLSB	21-95
RM710AQ	RTN	74-73	SA2	TPN	45-55	SE533T	none	21-39	SG7905.25ACT	SIC	64-64	SL704B/F	PLSB	21-91
RM710AT	RTN	74-74	SA3	TPN	38-82	SE533T	none	47-74	SG7920CP	none	71-78	SL704B/T	PLSB	21-92
RM710BD	RTN	75-26	SA3A	TPN	45-54	SE533T	none	69-77	SH0002HC	FSC	78-3	SL751B	PLSB	22-107
RM710BL	RTN	74-92	SA3A10A	TPN	45-39	SE535V	VALG	61-98	SH6-800P	INT	93-100	SL751B/E	PLSB	22-108
RM710BQ	RTN	75-27	SA5108G	SIC	46-79	SE535V	SIC	89-35	SH6-1500P	INT	93-101	SL751B/F	PLSB	22-109
RM710BT	RTN	75-28	SA5595F	SIC	80-29	SE550G	SIC	89-36	SH6-2500P	INT	93-102	SL751C	PLSB	22-110
RM710C	RTN	76-9	SA5595T	SIC	103-69	SE550G	SIC	89-37	SH123KM	FSC	63-66	SL751C/E	PLSB	23-1
RM710CD	RTN	76-9	SA5709G	SIC	35-14	SE550G	SIC	89-38	SH223KV	FSC	63-67	SL751C/F	PLSB	23-2
RM710CQ	RTN	76-92	SA5710G	SIC	74-94	SE5902	SCD	89-39	SH323KC	FSC	63-68	SL1001A	PLSB	103-70
RM710CT	RTN	76-93	SA5723K	SIC	74-94	SE5902A	SCD	89-40	SH720	HIS	78-84	SL1001B	PLSB	103-71
RM710Q	RTN	74-93	SA5733G	SIC	61-107	SE5904E	SCD	89-41	SH725	HIS	78-85	SL1020B	PLSB	91-26
RM711	RTN	74-75	SA2	TPN	45-55	SE5904E	SCD	89-42	SH1705	FSC	69-28	SL1327	PLSB	102-2
RM711AD	RTN	74-76	SA2	TPN	45-53	SE5905A	SCD	89-43	SH3000	FSC	63-30	SL3146ADG	PLSB	96-39
RM711AQ	RTN	74-76	SA3	TPN	38-82	SE5905A	SCD	89-44	SH3000	FSC	22-21	SL3146ADP	PLSB	96-40
RM711AT	RTN	74-77	SA3A	TPN	45-54	SE5905E	SCD	89-45	SH3000	FSC	22-21	SL3146DG	PLSB	96-41
RM711BD	RTN	75-71	SA3A10A	TPN	45-39	SE5905E	SCD	89-46	SH3015	FSC	98-18	SL3146DP	PLSB	96-42
RM711BL	RTN	75-72	SA2	TPN	45-55	SE5905E	SCD	89-47	SH3200	FSC	70-37	SL3183ADG	PLSB	96-43
RM711BQ	RTN	75-73	SA21	SYL	62-63	SE5905E	SCD	89-48	SH3200	FSC	70-37	SL3183ADP	PLSB	96-44
RM711BT	RTN	75-74	SA24	TPN	52-62	SE5905E	SCD	89-49	SH3201	FSC	70-38	SL3183DG	PLSB	96-45
RM711C	RTN	75-75	SA25	TPN	52-86	SE5915	SCD	89-50	SH3201	FSC	70-38	SL3183DP	PLSB	96-46
RM711DC	RTN	75-64	SA25	TPN	52-86	SE5915A	SCD	89-51	SH1010Y	SAKJ	58-40	SL7654A	PLSB	100-90
RM711Q	RTN	75-65	SA50	TPN	52-103	SE5915E	SCD	89-52	SH1020A	SAKJ	58-41	SM25-6	INT	89-59
RM711T	RTN	75-66	SA50A	TPN	52-104	SE5915E	SCD	89-53	SH1020A	SAKJ	58-41	SM25-12	INT	89-60
RM733CQ	RTN	61-99	SA60	TPN	52-110	SE5915E	SCD	89-54	SH1025A	SAKJ	58-62	SM25-15	INT	89-61
RM733DC	RTN	62-2	SA1300	TRA	53-1	SE5915E	SCD	89-55	SH1025E	SAKJ	58-63	SM50-18	INT	89-62
RM733G	RTN	62-6	SA700C	PLSB	100-76	SE5915E	SCD	89-56	SH1050A	SAKJ	58-81	SM50-24	INT	89-63
RM733T	RTN	62-7	SA1008	ITT	101-104	SE5915E	SCD	89-57	SH1050E	SAKJ	58-82	SM75-12	INT	89-64
RM733TF	RTN	62-47	SA1024	ITT	101-105	SE5915E	SCD	89-58	SH1050S2	SAKJ	58-80	SM75-15	INT	89-65
RM741CQ	RTN	25-20	SA1028	ITT	101-106	SE5530F	none	27-71	SH3028EA	SIX	54-69	SM100-18	INT	89-66
RM741Q	RTN	25-21	SA1050	RTCF	98-10	SE5530N-14	none	27-72	SH3045AK	SIX	96-37	SM100-24	INT	89-67
			SA1050E	ITT	102-89	SE5534AL	none	37-28	SH3046CJ	SIX	96-38	SN74LS20	none	82-105
RM7488L	RTN	26-33	SA11051	ITT	102-90	SE5534L	none	37-29	SH3052A	SAKJ	63-20	SN74LS21	none	82-106
RM748D	RTN	26-34	SA11071	ITT	102-91	SE5534L	none	42-40	SH3052A	SAKJ	89-53	SN521A	TII	22-67
RM748DE	RTN	26-35	SA13000	ITT	102-92	SFC2001	THCF	96-79	SH3052B	SAKJ	89-54	SN522A	TII	22-68
RM748Q	RTN	26-36	SA13000	ITT	102-106	SFC2101M	THCF	51-55	SH					

2. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
SN5512L	TIIB	61-88	SN52702N	TIIB	22-41	SN72088N	TIIB	41-103	SN72747FA	TIIB	26-40	SSS841GP	PMI	27-23
SN5512N	TIIB	61-89	SN52709AFA	TIIB	29-104	SN72301AFA	TIIB	29-9	SN72748FA	TIIB	26-41	SSS841J	PMI	47-91
SN5514JP	TIIB	61-87	SN52709AJA	TIIB	29-105	SN72306FA	TIIB	76-84	SN72770FA	TIIB	31-29	SSS841P	PMI	48-1
SN5514L	TIIB	61-90	SN52709AN	TIIB	29-106	SN72307FA	TIIB	29-10	SN72770JA	TIIB	31-30	SSS1458J	PMI	25-40
SN5514P	TIIB	61-91	SN52709BL	TIIB	37-79	SN72307JA	TIIB	29-11	SN72770L	TIIB	31-31	SSS1558J	PMI	25-41
SN7231L	TIIB	54-81	SN52709BN	TIIB	37-80	SN72308AFA	TIIB	45-103	SN72770N	TIIB	31-32	SSX01	STK	80-107
SN7510FA	TIIB	61-70	SN52709BS	TIIB	37-81	SN72308AJA	TIIB	45-104	SN72770P	TIIB	31-33	ST1050GL	SAKJ	58-33
SN7510L	TIIB	61-71	SN52709FA	TIIB	34-107	SN72308AL	TIIB	45-105	SN72771FA	TIIB	31-34	STK011A	TSAJ	57-92
SN7510P	TIIB	61-72	SN52709JA	TIIB	34-108	SN72308AN	TIIB	45-106	SN72771JA	TIIB	31-35	STK011B	TSAJ	57-93
SN7511FA	TIIB	54-30	SN52709N	TIIB	34-109	SN72308AP	TIIB	45-107	SN72771L	TIIB	31-11	STK015A	TSAJ	58-38
SN7511L	TIIB	61-61	SN52709P	TIIB	34-110	SN72308FA	TIIB	45-108	SN72771N	TIIB	31-36	STK015B	TSAJ	58-39
SN7511N	TIIB	54-29	SN52710	TIIB	75-58	SN72308JA	TIIB	45-109	SN72771P	TIIB	31-37	STK020A	TSAJ	58-36
SN7512L	TIIB	61-63	SN52710BF	TIIB	75-40	SN72308L	TIIB	45-110	SN72777FA	TIIB	29-68	STK020B	TSAJ	58-37
SN7512N	TIIB	61-83	SN52710BL	TIIB	75-41	SN72308N	TIIB	46-1	SN72777JA	TIIB	29-69	STK021	TSAJ	58-47
SN7512N	TIIB	61-84	SN52710BN	TIIB	75-42	SN72308P	TIIB	46-2	SN72810FA	TIIB	75-3	STK022	TSAJ	58-48
SN7514L	TIIB	61-85	SN52710FA	TIIB	75-59	SN72308Q	TIIB	46-19	SN72811FA	TIIB	74-60	STK025G	TSAJ	58-59
SN7514P	TIIB	61-86	SN52711FA	TIIB	74-66	SN72308R	TIIB	46-20	SN76110N	SPR	103-29	STK032	TSAJ	58-64
SN52101AFA	TIIB	49-93	SN52711L	TIIB	75-97	SN72310FA	TIIB	46-19	SN76110N	TPN	39-83	STK036	TSAJ	58-69
SN52101AJA	TIIB	49-94	SN52711N	TIIB	75-98	SN72310JA	TIIB	46-20	SP2A	TPN	46-42	STK040A	TSAJ	57-26
SN52104JA	TIIB	71-59	SN52723FA	TIIB	69-65	SN72310L	TIIB	46-21	SP2AU	TPN	46-42	STK405	TSAJ	56-100
SN52107JA	TIIB	49-95	SN52723U	TIIB	71-28	SN72310N	TIIB	46-22	SP25BUF	TPN	40-103	STK413	TSAJ	57-38
SN52107P	TIIB	49-96	SN52733FA	TIIB	54-34	SN72310P	TIIB	46-23	SP65A	TPN	39-84	STK415	TSAJ	57-80
SN52108AFA	TIIB	47-19	SN52733N	TIIB	61-104	SN72311FA	TIIB	77-31	SP65AH	TPN	39-85	STK501	TSAJ	66-10
SN52108AJA	TIIB	47-20	SN52741FA	SPR	54-33	SN72400L	TIIB	69-81	SP102	TPN	53-25	STK502	TSAJ	69-78
SN52108AJP	TIIB	47-21	SN52741JA	SPR	61-106	SN72400N	TIIB	69-82	SP456	TPN	32-70	STK503	TSAJ	72-38
SN52108AL	TIIB	47-22	SN52741N	TIIB	29-47	SN72401J	TIIB	71-29	SP5902	TPN	41-18	STK505	TSAJ	70-36
SN52108AN	TIIB	47-23	SN52741P	TIIB	25-25	SN72401N	TIIB	71-30	SP5902K	SCD	89-68	STK511	TSAJ	66-102
SN52108FA	TIIB	47-36	SN52747FA	TIIB	25-27	SN72403L	TIIB	71-31	SP5903K	SCD	89-69	STK543	TSAJ	72-58
SN52108JA	TIIB	47-37	SN52747JA	TIIB	25-28	SN72403P	TIIB	71-32	SP5904K	SCD	89-70	STK609	TSAJ	98-30
SN52108L	TIIB	47-38	SN52747N	TIIB	29-49	SN72405L	TIIB	64-52	SP5905K	SCD	89-72	SW16-24-1.12.1	SCD	93-108
SN52108N	TIIB	47-39	SN52748FA	TIIB	25-29	SN72405P	TIIB	64-53	SP5915K	SCD	89-73	SW16-24-1.12.2	SCD	93-109
SN52110FA	TIIB	46-26	SN52748JA	TIIB	25-30	SN72406L	TIIB	65-27	SP5920K	SCD	89-74	SW19-28-1.15.1	SCD	93-110
SN52110JA	TIIB	46-27	SN52748N	TIIB	25-31	SN72406P	TIIB	65-28	SPH0070	SCD	89-75	SW19-28-1.15.2	SCD	94-1
SN52110JP	TIIB	46-28	SN52748P	TIIB	25-32	SN72409L	TIIB	66-1	SPH0071	SCD	89-76	SW24-32-1.20.1	SCD	94-2
SN52110L	TIIB	46-29	SN52770FA	TIIB	31-22	SN72409P	TIIB	66-2	SPH0130	SCD	89-77	SW24-32-1.20.2	SCD	94-3
SN52506N	TIIB	76-85	SN52770JA	TIIB	31-23	SN72412L	TIIB	67-85	SPH0131	SCD	89-78	SW28-36-1.24.1	SCD	94-4
SN52510N	TIIB	74-95	SN52770JP	TIIB	31-24	SN72412P	TIIB	67-86	SPH0140	SCD	89-79	SW28-36-1.24.2	SCD	94-5
SN52510P	TIIB	74-96	SN52770L	TIIB	24-11	SN72415L	TIIB	68-95	SPH0141	SCD	89-80	SW32-40-1.28.1	SCD	94-6
SN52514N	TIIB	74-97	SN52770N	TIIB	24-12	SN72415P	TIIB	68-96	SPH1011	SCD	89-81	SW32-40-1.28.2	SCD	94-7
SN52558P	TIIB	35-62	SN52770P	TIIB	24-13	SN72418L	TIIB	70-19	SPH1012	SCD	89-82	T52	TPN	37-12
SN52660FA	TIIB	47-44	SN52771FA	TIIB	31-25	SN72418P	TIIB	70-20	SPH1013	SCD	89-83	T82AH	TPN	39-73
SN52660JA	TIIB	47-45	SN52771JA	TIIB	31-26	SN72424L	TIIB	72-67	SPH1014	SCD	89-84	T101AF	TEC	50-1
SN52660JP	TIIB	47-46	SN52771JP	TIIB	31-27	SN72424P	TIIB	72-68	SPH1015	SCD	89-85	T101AJ	TEC	50-2
SN52660L	TIIB	47-47	SN52771L	TIIB	24-14	SN72506FA	TIIB	76-87	SPH1016	SCD	89-86	T101AV	TEC	50-3
SN52702AFA#1	TIIB	22-30	SN52771N	TIIB	24-15	SN72506JA	TIIB	75-2	SPH1017	SCD	89-87	T107F	TEC	50-4
SN52702AFA#2	TIIB	21-46	SN52777FA	TIIB	29-60	SN72660FA	TIIB	45-98	SPH1018	SCD	89-88	T107J	TEC	50-5
SN52702AJ#1	TIIB	22-31	SN52777JA	TIIB	29-61	SN72660L	TIIB	45-99	SPH1019	SCD	89-89	T107V	TEC	50-6
SN52702AJ#2	TIIB	21-47	SN52810FA	TIIB	74-98	SN72660N	TIIB	45-100	SPH1020	SCD	89-90	T109H	TEC	64-7
SN52702AL#1	TIIB	22-32	SN52810N	TIIB	74-99	SN72660P	TIIB	45-102	SPH1021	SCD	89-91	T109K	TEC	64-8
SN52702AL#2	TIIB	21-48	SN52810P	TIIB	74-100	SN72702FA	TIIB	22-62	SPH1022	SCD	89-92	T118F	TEC	64-9
SN52702AN	TIIB	22-33	SN52811FA	TIIB	74-59	SN72709DN	TIIB	43-27	SPH1023	SCD	89-93	T118J	TEC	46-34
SN52702BL	TIIB	22-58	SN52811N	TIIB	74-78	SN72709FA	TIIB	37-77	SPH1024	SCD	89-94	T118V	TEC	46-35
SN52702BN	TIIB	22-59	SN52820N	TIIB	74-101	SN72710FA	TIIB	74-61	SPH1025	SCD	89-95	T118W	TEC	46-36
SN52702BS	TIIB	22-60	SN56502	TIIB	78-94	SN72711FA	TIIB	74-62	SPH1026	SCD	89-96	T1207F	TEC	50-9
SN52702FA#1	TIIB	22-16	SN56502N	TIIB	78-93	SN72723FA	TIIB	69-66	SPH1027	SCD	89-97	T207F	TEC	50-10
SN52702FA#2	TIIB	21-49	SN56514	TIIB	98-27	SN72733FA	TIIB	54-35	SPH1028	SCD	89-98	T207J	TEC	50-11
SN52702J#1	TIIB	22-17	SN56514J	TIIB	103-103	SN72733JA	TIIB	61-102	SPH1029	SCD	89-99	T207V	TEC	50-12
SN52702J#2	TIIB	21-50	SN56514L	TIIB	103-104	SN72741DN	TIIB	45-28	SPH1030	SCD	89-100	T209H	TEC	64-8
SN52702L#1	TIIB	22-18	SN56514N	TIIB	103-105	SN72741FA	SPR	29-51	SPH1031	SCD	89-101	T209K	TEC	64-9
SN52702L#2	TIIB	21-51	SN62088N	TIIB	41-95	SN72741JA	TIIB	29-51	SPH1032	SCD	89-102	T218F	TEC	46-37

LINEAR

2. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

LINEAR

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
T1748V	TEC	26-53	TAA293			TBA311	SGAI	98-44	TDC9711F	TEC	76-39	TL810CL	TTI	75-6
T1809J	TEC	23-18	(cont.)			TBA311A12	SGAI	100-97	TDC9711F	TEC	76-40	TL810ML	TTI	74-106
T2000J	TEC	71-67	PHIN	MULB		TBA311A17	SGAI	100-98	TF120	SSE	81-15	TL810ML	TTI	74-106
T2000V	TEC	71-68		VALG		TBA325A	SGAI	63-23	TH2PA#1	TADI	34-59	TL811CL	TTI	75-103
T2001J	TEC	71-69	TAA320	APX	99-6	TBA325B	SGAI	66-109	TH2PA#2	TADI	57-109	TL811ML	TTI	74-79
T2001V	TEC	71-70	TAA320A	APX	99-7	TBA325C	SGAI	68-14	TH5PA#1	TADI	33-44		TTI	
T2002J	TEC	68-22	TAA350	APX	102-95	TBA331	THCS	96-48	TH5PA#2	TADI	57-110		TTI	
T2002V	TEC	68-23	TAA350%	PHIN	59-6	TBA352	SGAI	69-64	TH175VA	TADI	56-68		TTI	
T2225F	TEC	76-47		VALG		TBA365	SGAI	100-99	TH-D2-2A	TADI	103-74	TL1316P	ALGG	57-84
T2225J	TEC	76-48	TAA380	APX	102-96	TBA440CQ	NSC	59-84	TH-D2-2A	TADI	103-75	TL1316PC	ALGG	57-85
T2225V	TEC	76-49	TAA380A	APX	59-11	TBA440Q	SIEG	62-10	TH-D2-2B	TADI	103-76	TL1702A	ALGG	22-14
T2709F	TEC	37-91		PHIN		TBA450	SIEG	57-30	TIXL74	TTI	98-58	TL1702C	ALGG	22-19
T2709J	TEC	37-92	TAA420	SIEG	56-50	TBA470A	ITT	96-49	TIXL75	TTI	98-59	TL1710	ALGG	74-107
T2709V	TEC	37-93	TAA435	APX	57-14	TBA470B	ITT	96-50	TIXL76	TTI	98-60	TL1710C	ALGG	75-37
T2710F	TEC	75-32		PHIN		TBA490	MULB	102-43	TLO22ML	TTI	23-39	TL1711C	ALGG	76-18
T2710J	TEC	75-33		SIEG		TBA550-6B	FSC	100-100		TTI		TL2702A	ALGG	22-15
T2710V	TEC	75-34		VALG		TBA550-7H	FSC	100-101		TTI		TL2702C	ALGG	22-20
T2711F	TEC	76-12	TAA445	VALG		TBA550B	PLSB	100-102	TLO71ACL	TTI	24-36	TL2709C	ALGG	35-23
T2711J	TEC	76-13	TAA450	APX	56-48	TBA560Q	MULB	102-7	TLO71ACL	TTI	24-36	TL2709C	ALGG	37-102
T2711V	TEC	76-14		RTCF		TBA560Q	SGAI	103-2	TLO71ACL	TTI	24-36	TL2711C	ALGG	76-19
T2723J	TEC	71-35	TAA450%	VALG	102-97	TBA581AX2	SGAI	103-2	TLO71BCL	TTI	24-35	TL2711C	ALGG	21-98
T2723V	TEC	71-36	TAA470	APX	98-31	TBA591AX2	SGAI	100-103	TLO71BCL	TTI	24-35	TL2711C	ALGG	27-13
T2741F	TEC	26-44	TAA500	RTCF	56-5	TBA631A51	SGAI	100-103	TLO71CL	TTI	24-39	TL3710C	ALGG	21-99
T2741J	TEC	27-11	TAA521%	MULB	37-97	TBA641B11	SGAI	57-5	TLO71CL	TTI	24-39	TL3710C	ALGG	21-99
T2741V	TEC	26-45		PHIN			FSC		TLO71CL	TTI	24-39	TL3710C	ALGG	21-99
T2741WF	TEC	26-46		VALG		TBA641B11	SGAI	57-5	TLO71CL	TTI	24-39	TL3710C	ALGG	21-99
T2741WJ	TEC	26-47	TAA522%	MULB	34-96	TBA641B1X1	SGAI	57-6	TLO71CL	TTI	24-39	TL3710C	ALGG	21-99
T2741WV	TEC	26-48		PHIN		TBA673	MULB	96-82	TLO71CL	TTI	24-39	TL3710C	ALGG	21-99
T2747AV	TEC	26-49		VALG		TBA680	SIEG	102-8	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T2747J	TEC	26-50	TAA530	APX	96-47	TBA690	MULB	103-4	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T2747V	TEC	26-51	TAA550	APX	99-110	TBA700	APX	103-5	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T2748F	TEC	26-52	TAA560	APX	98-32	TBA750	MULB	103-6	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T2748J	TEC	26-53	TAA570	APX	102-98	TBA770	SGAI	96-51	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T2748V	TEC	26-54	TAA580	PHIN	98-33	TBA780	SGAI	103-7	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T2809J	TEC	23-14	TAA591	SGAI	58-86	TBA840	ITT	98-45	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T3225F	TEC	76-56				TBA950-2Q	NSC	100-104	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T3225J	TEC	76-57	TAA611A	SGAI	56-104	TBA950R	ITT	98-46	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T3225V	TEC	76-58	TAA611B	SGAI	56-105	TCA355	none	89-81	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T3709F	TEC	35-18	TAA611C	SGAI	56-106	TCA160	APX	56-77	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T3709J	TEC	35-19	TAA611GX1	SGAI	57-45		RTCF		TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T3709V	TEC	35-20	TAA621	SGAI	57-65	TCA160Q	RTCF	56-78	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T3748F	TEC	27-1	TAA630	APX	102-3	TCA205W1	SIEG	98-47	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T3748J	TEC	27-2	TAA630-6B	FSC	102-4	TCA205W#1	SIEG	98-48	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T3748V	TEC	27-3	TAA630-7H	FSC	102-5	TCA210N#1	SIC	56-70	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T4709F	TEC	30-2	TAA630Q	PHIN	102-6	TCA210N#2	SIC	56-69	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T4709J	TEC	30-3	TAA640	PHIN	59-100	TCA240	MULB	103-72	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T4709V	TEC	30-4		RTCF		TCA250	ITT	104-63	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T4711F	TEC	76-50	TAA640-6A	FSC	102-40	TCA270A	ITT	102-9	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T4711J	TEC	76-51	TAA640-7F	FSC	102-41	TCA270B	ITT	102-10	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T4711V	TEC	76-52	TAA700	APX	100-91	TCA280	RTCF	99-13	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T5711F	TEC	76-53	TAA700A	SGAI	100-92	TCA290	RTCF	103-30	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T5711J	TEC	76-54	TAA700B	PLSB	100-93	TCA350	ITT	98-49	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T5711V	TEC	76-55	TAA710A	ITT	59-41	TCA350Y	ITT	98-50	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T6711J	TEC	75-104	TAA710B	ITT	59-42	TCA360	ITT	102-11	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T7709V	TEC	35-21	TAA721	SIEG	61-57	TCA420	RTCF	103-8	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T7711J	TEC	76-21	TAA730	SGAI	60-14	TCA420A	APX	103-9	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T7741F	TEC	25-54	TAA761AS	SIEG	23-10	TCA430	ITT	98-51	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T7741J	TEC	25-55	TAA762S	SIEG	23-8	TCA430N	ITT	98-52	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T7741V	TEC	25-56	TAA765AS	SIEG	23-11	TCA460K	THCS	58-43	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T7741WF	TEC	25-57	TAA775G	ITT	80-110	TCA460KB	THCS	58-44	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T7741WJ	TEC	25-58	TAA780A	ITT	98-34	TCA460N	THCS	58-44	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T7741WV	TEC	25-59	TAA780B	ITT	98-35	TCA490A	MULB	102-44	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T7747AV	TEC	25-60	TAA790A	ITT	98-36	TCA490B	MULB	102-45	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T7747J	TEC	25-61	TAA790B	ITT	98-37	TCA490C	MULB	102-46	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T7747V	TEC	25-62	TAA811	MULB	41-2	TCA520	VALG	21-4	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T7748F	TEC	25-63		PHIN		TCA520A	VALG	21-3	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T7748J	TEC	25-64	TAA812	MULB	43-109	TCA600	SGAI	98-53	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T7748V	TEC	25-65		PHIN		TCA610	SGAI	98-54	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T7809V	TEC	35-22	TAA820A	ALGG	56-87	TCA620	MULB	103-73	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T8709J	TEC	37-101	TAA820B	ALGG	56-61	TCA700	ITT	66-11	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T8711J	TEC	26-27	TAA840	PHIN	102-99	TCA700X	ITT	100-4	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T8741F	TEC	26-55	TAA900	ALGG	56-63	TCA710A	ITT	66-106	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T8741J	TEC	27-12	TAA900S	ALGG	56-56	TCA730	APX	102-47	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T8741V	TEC	26-56	TAA920	ALGG	98-38	TCA840	ITT	98-55	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T8741WF	TEC	26-57	TAA930A	ALGG	100-94	TCA860	ITT	98-56	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T8741WJ	TEC	26-58	TAA930B	ALGG	100-95	TCA880	SIEG	100-105	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T8741WV	TEC	26-59	TAA940D	ALGG	99-101	TCA890	SIEG	103-85	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T8747AV	TEC	26-60	TAA940E	ALGG	99-102	TDA4510A	none	102-48	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T8747J	TEC	26-61	TAA940F	ALGG	99-103	TD10-15	MIA	94-8	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T8747V	TEC	26-62	TAA970	APX	102-42	TDA440Q	NSC	100-106	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T8748F	TEC	26-63	TAA981	SIEG	59-19	TDA0470	ITT	96-52	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T8748J	TEC	26-64	TAA991	SIEG	59-20	TDA0470D	ITT	96-53	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T8748V	TEC	26-65	TAB101	APX	96-81	TDA1032	ITT	65-90	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
T9711J	TEC	76-36	TAB1041K	SIEG	98-39	TDA1035	ITT	100-107	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
TA1100	TRA	55-9	TAB1041W	SIEG	98-40	TDA1043	ITT	103-10	TLO72ACL	TTI	33-91	TL3710C	ALGG	21-99
TAA101	RTCF	96-80	TAD100	APX	102-100	TDA1052	RTCF	1						

2. TYPE No. CROSS INDEX

TYPE No.				IN TYPE NUMBER SEQUENCE				
TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
uA78C15U1C	†FSC	68-75	uA757DM	†FSC	59-73	UC4748C	SOD	26-88
uA78C17U1C	†FSC	69-57	uA757PTC	†FSC	59-74	UCM5-4000	†DTL	89-82
uA78C18U1C	†FSC	69-110	uA759T2C	†FSC	44-14	UCM5-4000E	†DTL	89-83
uA78C20U1C	†FSC	71-84	uA775DC	†FSC	74-17	UCM5-4000J	†DTL	89-84
uA78C22U1C	†FSC	72-18	uA775DM	†FSC	74-18	ULN2103M	†SPR	61-52
uA78C24U1C	†FSC	72-92	uA777FM	†FSC	27-15	ULN2111N	†SPR	103-12
uA78C82U1C	†FSC	65-89	uA783P3C	†FSC	57-72	ULN2113N	†SPR	103-13
uA78CGU1C	†FSC	70-45	uA783P4C	†FSC	57-73	ULN2114A	†SPR	102-16
uA78M12U1C	none	67-34	uA784-9A	†FSC	98-68	ULN2114K	†SPR	102-17
uA78MGT2C	†FSC	69-61	uA784-9C	†FSC	98-69	ULN2114N	†SPR	102-18
uA79M05UC	†FSC	73-65	uA785-9B	†FSC	98-70	ULN2114W	†SPR	102-19
uA79M06UC	†FSC	65-11	uA785-9D	†FSC	98-71	ULN2117A	†SPR	98-81
uA79M08UC	†FSC	65-71	uA786-9B	†FSC	98-72	ULN2117N	†SPR	98-82
uA79M12UC	†FSC	67-56	uA786-9D	†FSC	98-73	ULN2120A	†SPR	103-34
uA79M15UC	†FSC	68-71	uA786DC	†FSC	103-78	ULN2120N	†SPR	103-35
uA79M20UC	†FSC	71-83	uA786PC	†FSC	103-79	ULN2121A	†SPR	103-36
uA79M24UC	†FSC	72-88	uA791P5C	†FSC	44-61	ULN2121N	†SPR	103-37
uA79MGT2C	†FSC	69-33	uA799HC	†FSC	31-107	ULN2122A	†SPR	103-38
uA108-3F	†FSC	47-40	uA799HM	†FSC	31-102	ULN2122N	†SPR	103-39
uA108-6A	†FSC	47-41	uA799HM	†FSC	31-108	ULN2126A	†SPR	57-67
uA108A-3F	†FSC	47-24	uA799RM	†FSC	31-103	ULN2126N	†SPR	57-68
uA108A-6A	†FSC	47-25	uA799TC	†FSC	31-109	ULN2127N	†SPR	102-20
uA109BN	†FSC	64-27	uA1110M	none	77-56	ULN2128A	†SPR	103-40
uA111RM	†FSC	77-24	uA1391PC	†FSC	101-5	ULN2128N	†SPR	103-41
uA118HM	†FSC	21-106	uA1394PC	†FSC	101-6	ULN2129A	†SPR	102-49
uA148JM	†FSC	29-92	uA2900P	†FSC	21-110	ULN2129N	†SPR	102-50
uA149JM	†FSC	29-93	uA2902C	†FSC	21-34	ULN2131M	†SPR	103-14
uA201-9T	†FSC	26-91	uA3018AHM	†FSC	96-56	ULN2135E	†SPR	57-32
uA208-3F	†FSC	47-42	uA3018HM	†FSC	96-57	ULN2137A	†SPR	98-83
uA208-6A	†FSC	47-43	uA3019HM	†FSC	99-2	ULN2139C	†SPR	37-96
uA208A-3F	†FSC	47-26	uA3026HM	†FSC	96-58	ULN2139D	†SPR	37-94
uA208A-6A	†FSC	47-27	uA3036HM	†FSC	96-59	ULN2139G	†SPR	37-65
uA208AFM	†FSC	46-92	uA3039HM	†FSC	99-3	ULN2139H	†SPR	37-66
uA208FM	†FSC	46-93	uA3064-5A	†FSC	98-74	ULN2139M	†SPR	38-2
uA209BN	†FSC	64-28	uA3065-7F	†FSC	98-75	ULN2151D	†SPR	27-5
uA218HM	†FSC	21-107	uA3065-9A	†FSC	98-76	ULN2151H	†SPR	27-25
uA248JC	†FSC	32-44	uA3065-9C	†FSC	98-77	ULN2151M	†SPR	27-6
uA248NC	†FSC	32-45	uA3900P	†FSC	22-1	ULN2156D	†SPR	27-7
uA249JC	†FSC	32-46	uA4136H	†FSC	29-50	ULN2156G	†SPR	27-48
uA249NC	†FSC	32-47	uA4151HC	†FSC	82-22	ULN2156H	†SPR	27-49
uA308-6A	†FSC	45-96	uA4151HM	†FSC	82-27	ULN2156I	†SPR	27-50
uA308-9T	†FSC	45-97	uA4151HV	†FSC	82-28	ULN2156M	†SPR	27-51
uA308-9T	†FSC	45-95	uA4151RC	†FSC	82-23	ULN2157A	†SPR	27-8
uA308A-6A	†FSC	45-92	uA4151RV	†FSC	82-29	ULN2157K	†SPR	27-9
uA308A-9A	†FSC	45-93	uA4151TV	†FSC	82-30	ULN2157L	†SPR	27-10
uA308A-9T	†FSC	45-94	uA4151TV	†FSC	82-31	ULN2158D	†SPR	25-84
uA309BN	†FSC	64-26	uA7391PC	†FSC	99-17	ULN2158G	†SPR	25-85
uA310C	†FSC	46-16	uA7952UC	†FSC	64-77	ULN2158H	†SPR	25-86
uA311RC	†FSC	77-32	uAF111DM	†FSC	77-22	ULN2158M	†SPR	25-87
uA318TC	†FSC	21-108	uAF111HM	†FSC	77-23	ULN2159D	†SPR	25-88
uA348JC	†FSC	32-48	uAF111HM	†FSC	77-23	ULN2159G	†SPR	25-89
uA348NC	†FSC	32-49	uAF155AHM	†FSC	31-77	ULN2159H	†SPR	24-86
uA349JC	†FSC	32-50	uAF156AHM	†FSC	31-78	ULN2159M	†SPR	25-90
uA349NC	†FSC	32-51	uAF156AHM	†FSC	38-21	ULN2165A	†SPR	101-11
uA431WC	†FSC	70-39	uAF156AHM	†FSC	38-29	ULN2165B	†SPR	101-12
uA431WV	†FSC	70-40	uAF311DC	†FSC	77-37	ULN2171D	†SPR	29-33
uA494DDC	none	104-66	uAF311HM	†FSC	77-38	ULN2171G	†SPR	29-34
uA702B-3F	†FSC	22-57	uAF311HC	†FSC	77-38	ULN2171H	†SPR	29-35
uA703	†FSC	59-89	uAF311T	†FSC	77-39	ULN2171M	†SPR	29-36
uA703-5D	†FSC	59-51	uAF355AHC	†FSC	31-74	ULN2172D	†SPR	29-37
uA703C-5D	†FSC	59-52	uAF355AHC	†FSC	38-24	ULN2172G	†SPR	29-38
uA703HM	†FSC	59-53	uPC356AHM	†FSC	101-5	ULN2172H	†SPR	29-39
uA703L	LSI	59-101	uPC16C	†NECJ	101-5	ULN2172M	†SPR	29-39
uA706	†FSC	57-25	uPC55H	none	59-75	ULN2173D	†SPR	23-98
uA706APC	†FSC	57-2	uPC103A	†NECJ	61-39	ULN2173G	†SPR	23-99
uA706BPC	†FSC	57-3	uPC105A	†NECJ	61-40	ULN2173H	†SPR	23-100
uA709B-3F	†FSC	37-82	uPC587C2	none	103-32	ULN2173M	†SPR	23-101
uA710-3H	†FSC	74-108	uPC11737C	none	103-33	ULN2174D	†SPR	23-102
uA710B-3F	†FSC	75-43	uPC1937C	none	101-8	ULN2174G	†SPR	23-103
uA710C	†FSC	75-9	uPC1986C	none	101-9	ULN2174H	†SPR	23-104
uA710CQ	†FSC	75-39	uPC1987C	none	101-10	ULN2174M	†SPR	23-105
uA710Q	†FSC	74-109	u5B7741312	†SIC	24-61	ULN2208M	†SPR	103-15
uA711B-3F	†FSC	76-20	u5B7741393	†SIC	24-64	ULN2218A	none	102-23
uA714ADM	†FSC	31-42	uB7741393	†SIC	24-65	ULN2225P	†SPR	101-13
uA714CD	†FSC	32-102	u5805	TPN	46-47	ULN2268A	†SPR	102-22
uA714CH	†FSC	32-103	u5810	TPN	31-98	ULN2275A	†SPR	56-109
uA714DM	†FSC	31-51	uA741C	none	23-93	ULN2275P	†SPR	56-110
uA714ED	†FSC	31-48	uAA110	†ITT	98-78	ULN2277P	†SPR	57-51
uA714EH	†FSC	31-49	uAA210	†ITT	98-79	ULN2280A	†SPR	57-33
uA715DM	†FSC	38-7	uAA1000	†ITT	102-15	ULN2280P	†SPR	57-70
uA719-5F	†FSC	59-77	uAA1001	†ITT	98-80	ULN2287A	none	103-16
uA719C-5F	†FSC	62-5	uUC709	SOD	24-58	ULN2287A	†SPR	101-14
uA721	†FSC	103-11	uUC4000	SOD	39-67	ULN2709CM	†SPR	37-78
uA730HC	†FSC	54-23	uUC4000C	SOD	41-63	ULN2709M	†SPR	35-5
uA730HM	†FSC	54-21	uUC4001C	SOD	39-74	ULN2723A	†SPR	71-40
uA733C-3F	†FSC	62-3	uUC4002C	SOD	41-65	ULN2723K	†SPR	26-89
uA733MU	†FSC	61-101	uUC4002C	SOD	39-76	ULN2747D	†SPR	26-90
uA735-5B	†FSC	23-40	uUC4002C	SOD	41-66	ULN2747A	†SPR	26-90
uA735B-5B	†FSC	23-41	uUC4002C	SOD	41-66	ULN2747A	†SPR	26-90
uA735C-5B	†FSC	23-42	uUC4002C	SOD	41-66	ULN2747A	†SPR	26-90
uA740HC	†FSC	40-9	uUC4002C	SOD	41-66	ULN2747A	†SPR	26-90
uA740HM	†FSC	34-78	uUC4002C	SOD	41-66	ULN2747A	†SPR	26-90
uA741B-3F	†FSC	26-80	uUC4002C	SOD	41-66	ULN2747A	†SPR	26-90
uA744-5B	†FSC	24-52	uUC4002C	SOD	41-66	ULN2747A	†SPR	26-90
uA745-3I	†FSC	56-45	uUC4002C	SOD	41-66	ULN2747A	†SPR	26-90
uA746DC	†FSC	103-77	uUC4002C	SOD	41-66	ULN2747A	†SPR	26-90
uA747-7A-393	†FSC	26-81	uUC4002C	SOD	41-66	ULN2747A	†SPR	26-90
uA747IDC	†FSC	26-82	uUC4002C	SOD	41-66	ULN2747A	†SPR	26-90
uA747IDM	†FSC	25-73	uUC4002C	SOD	41-66	ULN2747A	†SPR	26-90
uA747IHC	†FSC	26-83	uUC4002C	SOD	41-66	ULN2747A	†SPR	26-90
uA747IHM	†FSC	25-74	uUC4002C	SOD	41-66	ULN2747A	†SPR	26-90
uA748	none	24-3	uUC4002C	SOD	41-66	ULN2747A	†SPR	26-90
uA748AFM	†FSC	48-3	uUC4002C	SOD	41-66	ULN2747A	†SPR	26-90
uA748B-3F	†FSC	26-84	uUC4002C	SOD	41-66	ULN2747A	†SPR	26-90
uA750DC	†FSC	76-88	uUC4002C	SOD	41-66	ULN2747A	†SPR	26-90
uA751-3H	†FSC	61-33	uUC4002C	SOD	41-66	ULN2747A	†SPR	26-90
uA751-5B	†FSC	61-34	uUC4002C	SOD	41-66	ULN2747A	†SPR	26-90
uA753	†FSC	59-94	uUC4002C	SOD	41-66	ULN2747A	†SPR	26-90
uA757DM	†FSC	59-73	UC4748C	SOD	26-88	ULS2158H	†SPR	24-89
uA759T2C	†FSC	44-14	UCM5-4000	†DTL	89-82	ULS2158M	†SPR	24-90
uA775DC	†FSC	74-17	UCM5-4000E	†DTL	89-83	ULS2159D	†SPR	24-24
uA775DM	†FSC	74-18	UCM5-4000J	†DTL	89-84	ULS2159G	†SPR	24-25
uA777FM	†FSC	27-15	ULN2103M	†SPR	61-52	ULS2159H	†SPR	24-26
uA783P3C	†FSC	57-72	ULN2111N	†SPR	103-12	ULS2159M	†SPR	24-27
uA783P4C	†FSC	57-73	ULN2113N	†SPR	103-13	UL		

2. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

LINEAR	TYPE No.		MFRS		Pg&Line		TYPE No.		MFRS		Pg&Line		TYPE No.		MFRS		Pg&Line	
	TYPE No.	MFRS	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	
	WM1709T	WESY	24-57	ZM1850	↓ZEL	90-27												
	WT49	↓XDS	73-57	ZM2450	↓ZEL	90-28												
	XC1323	↓MOTA	102-23	ZM3050	↓ZEL	90-29												
	XC1331P	↓MOTA	101-15	ZM12100	↓ZEL	90-30												
	XR072CN	↓EXR	33-102	ZM15100	↓ZEL	90-31												
	XR072CP	↓EXR	33-103	ZN46C	none	61-2												
	XR072M	↓EXR	33-93	ZN401T	↓FERB	65-110												
	XR072N	↓EXR	33-94	ZN402E	↓FERB	22-98												
	XR072P	↓EXR	33-95	ZN402T	↓FERB	22-99												
	XR074CN	↓EXR	33-104	ZN456J	↓FERB	78-92												
	XR074CP	↓EXR	33-105	ZNA103E	↓FERB	101-16												
	XR074M	↓EXR	33-96	ZP5250	ZEL	90-32												
	XR074N	↓EXR	33-97	ZP5500	ZEL	90-33												
	XR074P	↓EXR	33-98	ZP51000	ZEL	90-34												
	XR567N	↓EXR	98-93	ZQT20	↓FERB	103-80												
	XR742CN	↓EXR	99-20	ZQT21	↓FERB	103-81												
	XR742CP	↓EXR	99-21	ZSP6	↓FERB	98-100												
	XR1310EP	↓EXR	103-42	ZSP7	↓FERB	98-101												
	XR1310P	↓EXR	103-43	ZTK33DPD	ITT	100-6												
	XR1468CP	↓EXR	68-18															
	XR1543M	↓EXR	98-94															
	XR1800P	↓EXR	103-44															
	XR2261CP	↓EXR	98-95															
	XR2307P	↓EXR	80-61															
	XR2543N	↓EXR	98-96															
	XR2543P	↓EXR	98-97															
	XR3543CN	↓EXR	98-98															
	XR3543CP	↓EXR	98-99															
	XR4151CP	none	82-17															
	XR4151CT#1	↓EXR	82-18															
	XR4151CT#2	↓EXR	81-56															
	XR4151MT#1	↓EXR	82-19															
	XR4151MT#2	↓EXR	81-57															
	XR4151P	none	82-20															
	XR4151T#1	↓EXR	82-21															
	XR4151T#2	↓EXR	81-58															
	XR4194CK	↓EXR	69-27															
	XR4195CT	↓EXR	68-24															
	XR4195MK	↓EXR	68-26															
	XR5532CN	↓EXR	43-90															
	XR5532CP	↓EXR	43-91															
	XR5532M	↓EXR	43-92															
	XR5532P	↓EXR	43-93															
	XR5533CN	↓EXR	43-94															
	XR5533CP	↓EXR	43-95															
	XR5533M	↓EXR	43-96															
	Z5AT25OSL	↓ZEL	89-107															
	Z5AT25OSP	↓ZEL	89-108															
	Z5AT50OSP	↓ZEL	89-109															
	Z5AT100OSP	↓ZEL	89-110															
	Z5AZ25OSL	↓ZEL	90-1															
	Z5AZ25OSP	↓ZEL	90-2															
	Z5BT100OSP	↓ZEL	90-3															
	Z15AT25DL	↓ZEL	90-4															
	Z15AT100DL	↓ZEL	90-5															
	Z15AT100TL#1	↓ZEL	90-6															
	Z15AT100TL#2	↓ZEL	90-7															
	Z15AT100TP#1	↓ZEL	90-8															
	Z15AT100TP#2	↓ZEL	90-9															
	Z15AT200DP	↓ZEL	90-10															
	Z15AZ30DL	↓ZEL	90-11															
	Z15AZ30DP	↓ZEL	90-12															
	Z15AZ65DL	↓ZEL	90-13															
	Z15AZ65DP	↓ZEL	90-14															
	Z15AZ100DL	↓ZEL	90-15															
	Z15AZ100DP	↓ZEL	90-16															
	Z15BT100TL#1	↓ZEL	90-17															
	Z15BT100TL#2	↓ZEL	90-18															
	Z15BT100TP#1	↓ZEL	90-19															
	Z15BT100TP#2	↓ZEL	90-20															
	Z15BT200DP	↓ZEL	90-21															
	Z15CT100TP#1	↓ZEL	90-22															
	Z15CT100TP#2	↓ZEL	90-23															
	Z15DZ30DL	↓ZEL	94-42															
	Z15DZ30DP	↓ZEL	94-43															
	Z15DZ30DU	↓ZEL	94-44															
	Z15DZ65DL	↓ZEL	94-45															
	Z15DZ65DP	↓ZEL	94-46															
	Z15DZ65DU	↓ZEL	94-47															
	Z15DZ100DL	↓ZEL	94-48															
	Z15DZ100DP	↓ZEL	94-49															
	Z15DZ100DU	↓ZEL	94-50															
	Z15DZ100SL	↓ZEL	94-51															
	Z15DZ100SU	↓ZEL	94-52															
	Z15DZ200DL	↓ZEL	94-53															
	Z15DZ200DU	↓ZEL	94-54															
	Z15EZ40TL#1	↓ZEL	94-55															
	Z15EZ40TL#2	↓ZEL	94-56															
	Z15FZ40TL#1	↓ZEL	94-57															
	Z15FZ40TL#2	↓ZEL	94-58															
	Z200DZ20SU	↓ZEL	94-59															
	ZA101D	ZEL	41-3															
	ZA701D20	↓ZEL	55-13															
	ZA801E1	↓ZEL	29-23															
	ZA801T1	↓ZEL	54-105															
	ZA802M2	↓ZEL	28-29															
	ZA803M1	ZEL	54-104															
	ZBA1	FERB	99-8															
	ZC741E1	↓ZEL	28-9															
	ZC741E6	↓ZEL	28-10															
	ZC801E1	↓ZEL	39-19															
	ZEL1A	↓ZEL	34-17															
	ZLA1A	FERB	57-64															
			62-61															
	ZLA10	FERB	61-56															
	ZLA15	FERB	61-55															
	ZLA30	FERB	59-22															
	ZLD2S	↓FERB	22-104															
	ZLD2T	↓FERB	22-105															
	ZLD2U	↓FERB	22-106															
	ZM605M20	ZEL	79-64															
	ZM1260	↓ZEL	90-24															
	ZM1525	ZEL	90-25															
	ZM1550	↓ZEL	90-26															

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	TYPE No.	PWR SUP @25°C		INPUT CHARACTERISTICS						MIN. OUTPUT CHAR. @25°C		MIN TRANSFER CHAR @ 25°C				T C E O M D P E	DRAWINGS CKT. OUT-LINE Δ-MO			
		1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	OVER OPERATING TEMP. RANGE		MAX VOLTAGE		MAX CURRENT		CM RANGE (ΔV)	DIFF IMP. (Ω)	3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/US)	CMRR (dB)					
				3 DRIFT (V/°C)	4 OFFST (V)	5 OFFSET (A)	BIAS (A)	MIN. @25°C	P.P VOLT. (ΔV)									P.P CUR. (ΔA)		
1	LF156																			
2#	8007m		1	5.0	5.0	3.0	3.0	30p	20p	5.4		5.0	94	15	90	5C	CN1d			
3#	TCA520A	5.0	5.0m	7.0	7.0	5.0	5.0	30n	100n	5.4		5.0	89	400m	27	A237	CN1g			
4#	TL3211L	5.0	5.0m	7.0	7.0	5.0	5.0	30n	100n	5.4		5.0	89	400m	27	A237	TO99			
5	TL3211ML	5.0	5.0m	7.0	7.0	5.0	5.0	30n	100n	5.4		5.0	89	400m	28	A397a	CN1k			
6	TL3211CL	5.0	5.0m	7.0	7.0	5.0	5.0	30n	100n	5.4		5.0	89	400m	28	A397a	CN1k			
7	LM2904L	5.0	6.0m	7.0	7.0	5.0	5.0	30n	100n	5.4		5.0	88	100	65	07	A397a	CN1k		
8	LM158H	5.0	6.0m	7.0	7.0	5.0	5.0	30n	100n	5.4		5.0	88	100	65	48	A397a	CN1k		
9	LM158L	5.0	6.0m	7.0	7.0	5.0	5.0	30n	100n	5.4		5.0	88	100	65	07	A397a	CN1d		
10	NE532H	5.0	6.0m	7.0	7.0	5.0	5.0	30n	100n	5.4		5.0	88	100	65	5C	A355a	CN1k		
11	NE532N	5.0	6.0m	7.0	7.0	5.0	5.0	30n	100n	5.4		5.0	88	100	65	07	A421b			
12	LM258L	5.0	6.0m	7.0	7.0	5.0	5.0	30n	100n	5.4		5.0	88	100	65	07	A421b	8-18a		
13	LM358L	5.0	6.0m	7.0	7.0	5.0	5.0	30n	100n	5.4		5.0	88	100	65	28	A355a	CN1k		
14	SE532H	5.0	6.0m	7.0	7.0	5.0	5.0	30n	100n	5.4		5.0	88	100	65	07	A355a	CN1k		
15	SE532N	5.0	6.0m	7.0	7.0	5.0	5.0	30n	100n	5.4		5.0	88	100	65	5C	A421b	8-18a		
16	LM258AH*	5.0	6.0m	7.0	7.0	5.0	5.0	30n	100n	5.4		5.0	88	100	65	07	A332	CN1d		
17	LM358ANZ*	5.0	6.0m	7.0	7.0	5.0	5.0	30n	100n	5.4		5.0	88	100	65	28	A332	8-16		
18	CA3140BS#2	5.0	8.0m	7.0	7.0	5.0	5.0	30n	100n	5.4	1.0T	3.1	11m	100	7.0	94	5C	A378	CN46	
19	CA3140BT#2	5.0	8.0m	7.0	7.0	5.0	5.0	30n	100n	5.4	1.0T	3.1	11m	100	7.0	94	5C	A378	ΔO2AL	
20	CA3140AE#2	5.0	8.0m	7.0	7.0	5.0	5.0	30n	100n	5.4	1.0T	3.1	11m	100	7.0	90	5C	A378	8-13	
21	CA3140AS#2	5.0	8.0m	7.0	7.0	5.0	5.0	30n	100n	5.4	1.0T	3.1	11m	100	7.0	90	5C	A378	CN46	
22	CA3140AT#2	5.0	8.0m	7.0	7.0	5.0	5.0	30n	100n	5.4	1.0T	3.1	11m	100	7.0	90	5C	A378	ΔO2AL	
23	CA3140E#2	5.0	8.0m	7.0	7.0	5.0	5.0	30n	100n	5.4	1.0T	3.1	11m	100	7.0	90	5C	A378	8-13	
24	CA3140S#2	5.0	8.0m	7.0	7.0	5.0	5.0	30n	100n	5.4	1.0T	3.1	11m	100	7.0	90	5C	A378	CN46	
25	CA3140T#2	5.0	8.0m	7.0	7.0	5.0	5.0	30n	100n	5.4	1.0T	3.1	11m	100	7.0	90	5C	A378	ΔO2AL	
26	LM124L	5.0	10m	7.0	7.0	5.0	5.0	30n	100n	5.4		3.5	2.0k	1.0M	60	5C	A222	TO116		
27	LM224L	5.0	10m	7.0	7.0	5.0	5.0	30n	100n	5.4		3.5	2.0k	1.0M	60	28	A222	TO116		
28	LM324L	5.0	10m	7.0	7.0	5.0	5.0	30n	100n	5.4		3.5	2.0k	1.0M	60	07	A222	TO116		
29	LM2902L*	5.0	10m	7.0	7.0	5.0	5.0	30n	100n	5.4		3.5	2.0k	1.0M	60	48	A222	TO116		
30	LM124AF	5.0	15m	4.0	4.0	30n	100n	3.5	3.5	2.4		2.0	2.0k	1.0M	70	5C	A388	FP29a		
31	LM244F	5.0	15m	4.0	4.0	30n	100n	3.5	3.5	2.4		2.0	2.0k	1.0M	70	28	A388	14-4d		
32	LM244ANZ*	5.0	15m	4.0	4.0	30n	100n	3.5	3.5	2.4		2.0	2.0k	1.0M	70	28	A388	14-4d		
33	uA2902	5.0	6.70m	1.0	1.0	5.0n	50n	2.4	2.4	2.0		2.0	2.0k	1.0M	100	600m	85	48	A324	14-23
34	A151	5.4	182u	1.0	1.0	3.0n	20n	3.0	3.0	2.0		2.0	150k	100	100m	80	28		MP58c	
35	A150	5.4	182u	2.0	2.0	3.0n	20n	3.0	3.0	2.0		2.0	150k	100	100m	80	28		MP58c	
36	2LV1	5.4	5.4m	1.5	1.5	3.0n	3.0n	2.4	2.4	500k		2.4	10k	100	7.0m	80	28		MP58c	
37	1779	5.4	500m	15u	Δ	25n	50n	3.5	3.5	1.0M		2.0	15k	97	500m	80	28		MP58c	
38	SE533T	6.0	90u	2.0	2.0	10n	15n	3.5	3.5	3.0M		3.0	20k	84	5.0m	90	5C		CN1g	
39	735-12.5B#1	6.0	100u	3.0	3.0	2.0n	5.0n	6.0	6.0	1.0M		2.4	5.0k	86	1.2	90	5C	A108	TO99	
40	NE533T	6.0	120u	3.0	3.0	10n	15n	3.5	3.5	3.0M		2.0	20k	81	5.0m	84	07		CN1g	
41	NE533V	6.0	120u	3.0	3.0	10n	15n	3.5	3.5	3.0M		2.0	20k	81	5.0m	84	07		8-5	
42	150Δ	6.6	6.0m	20u	Δ	5.0n	50n	2.0	2.0	1.0M		3.0	2.5m	80	1.2	80	28		MP6c	
43	CA3032-702C1	8	125m	15m	7.5u	20u	4.5	4.5	6.0k	6.0	10	100k	550k	59	65	07	AO15	TO99		
44	1404.01	9.0	675u	10u	1.0	7.0n	30n	8.0	4.0M	6.0	2.0	100k	100k	87	300n	93	28			
45	SN52702AFA#2	9.0	30m	15u	4.0	1.5u	7.5u	2.0	2.2k	5.0	100k	56	1.7	80	5C	AO15	FP2t			
46	SN52702AJ#2	9.0	30m	15u	4.0	1.5u	7.5u	2.0	2.2k	5.0	100k	56	1.7	80	5C	AO15	TO116			
47	SN52702AL#2	9.0	30m	15u	4.0	1.5u	7.5u	2.0	2.2k	5.0	100k	56	1.7	80	5C	AO15	TO99			
48	SN52702FA#2	9.0	35m	5.0u	6.0	3.0u	14u	2.0	2.2k	5.0	100k	52	1.7	70	5C	AO15	FP2t			
49	SN52702J#2	9.0	35m	5.0u	6.0	3.0u	14u	2.0	2.2k	5.0	100k	52	1.7	70	5C	AO15	TO116			
50	SN52702L#2	9.0	35m	5.0u	6.0	3.0u	14u	2.0	2.2k	5.0	100k	52	1.7	70	5C	AO15	TO99			
51	PA7751-39	10	139m	4.0	4.0	1.0	1.0	140	1.0	140	1.0	30M	51	46	07		TO99			
52	PL7751-39	10	139m	4.0	4.0	1.0	1.0	140	1.0	140	1.0	30M	51	46	07		FP2m			
53	ICL7614MBTY	10	250m	7m	800p	4.0n	8.4	10T	9.2	∅	100k	48M	16	70	5C	A504b	TO99			
54	ICL7621BCTY	10	250m	7m	300p	400p	8.4	10T	9.6	∅	100k	48M	16	70	07	A504c	TO99			
55	ICL7622ACTD	10	500m	3m	300p	400p	8.4	10T	9.6	∅	100k	48M	16	76	07	A504d	14-66			
56	RM3078ADET	12	300u	4.5m	5.0n	50n	10	1.7M	10	12m	2.0k	90	500m	80	5C	A417	8-11			
57	1003MT	12	480u	5.0u	4.0m	5.0n	15n	24	3.0M	24	20k	270k	94	160m	70	5A	A272	TO99		
58	4250	12	480u	5.0u	4.0m	5.0n	15n	24	3.0M	22	10k	300k	100	100m	70	5C	A123	TO99		
59	1003CT	12	600u	5.0u	7.5m	15n	50n	24	3.0M	24	20k	270k	94	160m	70	07	A272	TO99		
60	4250C	12	600u	5.0u	7.5m	15n	50n	24	3.0M	22	10k	250k	96	10m	70	07	A123	TO99		
61	VA5B425031	12	1.2m	5.0u	2.0m	5.0n	30n	24	6.0M	10	20k	250k	100	50m	80	5C	A123a	TO99		
62	VA5B425039	12	1.2m	5.0u	2.0m	5.0n	30n	24	6.0M	10	20k	250k	100	50m	80	07	A123a	TO99		
63	CA3078	12	1.2m	10u	5.0m	40n	200n	10	870k	10	6.5m	2.0k	88	100m	80	07	A417	ΔO2AL		
64	CA3078AF	12	1.2m	10u	5.0m	40n	200n	11	870k	10	870k	2.0k	88	40m	80	07	A417	8-11c		
65	CA3078F	12	1.2m	10u	5.0m	40n	200n	11	870k	10	870k	2.0k	88	40m	80	07	A417	8-11c		
66	RC3078DET	12	1.5m	6.0u	5.0m	40n	200n	10	870k	10	30m	88	1.5	80	07	A417	8-11c			
67	170Z	12	2.6m	20u	Δ	10n	50n	3.0	1.0M	8.0	10m	300k	100	300m	72	28		MP6g		
68	3001-15	12	12m	10u	1.0m	Δ	10n	8.0	1.0M	8.0	10m	500k	96	100m	80	28		MP287a		
69	3001/13	12	12m	10u	1.5m	40n	40n	8.0	1.0M	8.0	10m	500k	96	10	48		MP1			
70	3001/15	12	12m	10u	1.5m	40n	40n	8.0	1.0M	8.0	10m	500k	96	10	48		MP2			
71	3001/16	12	12m	10u	1.5m	40n	40n	8.0	1.0M	8.0	10m	500k	96	10	48		14-1			
72	3001/26	12	12m	10u	1.5m	40n	40n	8.0	1.0M	8.0	10m	500k	96	10	48		MP4			
73	3002-15	12	24m	15u	1.0m	100p	100p	8.0	100G	8.0	10m	500k	90	700m	60	28		MP287a		
74	3002/13	12	24m	15u	2.5m	100p	100p	8.0	100G	8.0	10m	500k	90	70	48		MP1			
75	3002/16	12	24m	15u	2.5m	100p	100p	8.0	100G	8.0	10m	500k	90	70	48		MP2			
76	3002/26	12	24m	15u	2.5m	100p	100p	8.0	100G	8.0	10m	50								

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	TYPE No.	PWR SUP @25°C		INPUT CHARACTERISTICS								MIN. OUTPUT CHAR. @25°C		MIN TRANSFER CHAR @ 25°C				E O M D P E	C K T.	DRAWINGS
		1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	OVER OPERATING TEMP. RANGE		MIN. @25°C		MIN. @25°C		P-P VOLT. (ΔV)	P-P CUR. (ΔA)	3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/μS)	CMRR (dB)					
				3 DRIFT (V/°C)	4 OFFST (V)	OFFSET (A)	BIAS (A)	CM RANGE (ΔV)	DIFF IMP. (Ω)											
1#	SL751C/E	24	300m	15u/s	20m/s	1.8u/s	3.0u/s	100k	7.0	7.0	250k	66	.80	60	5H	A076	14-2k			
2#	SL751C/F	24	300m	15u/s	20m/s	1.8u/s	3.0u/s	100k	7.0	7.0	250k	66	.80	60	5H	A076	FP6c			
3#	WM306Q	24	450m	5.0u/s	10m/s		8.0u/s	100k	9.0	9.0	500k	61	.80	83	15	A116	TO86			
4	AB01-10	24	555m	200u/s		50u/s		24	3.0k	20	10m	200k	86	.80	72	15	A025	CB3		
5	AB01-20	24	555m	200u/s		50u/s		24	3.0k	20	10m	200k	86	.80	72	15	A025	CB3		
6	AB01-30	24	555m	200u/s		50u/s		24	3.0k	20	10m	200k	86	.80	72	15	A025	CB3		
7	AB01	24	555m	200		500		24	3.0k	20	10m	200k	86	.80	72	15	A025	CB3		
8#	TAA762S	30			4.0m	50n	700n	28	200k	14	250m	90	9.0	85	07	A125	6-5			
9#	TBA222W	30			4.0m	700n	350n	28	300k	24		88	500m	80	07	A125	6-5			
10#	TAA761AS	30			6.0m	80n	1.0u	28	200k	14	250m	90	9.0	85	28	A125	TO116			
11#	TAA765AS	30			6.0m	80n	1.0u	28	200k	14	250m	90	9.0	85	28	A125	TO116			
12	TOA2747E*	30			7.5m	300n	800n	24	300	24	10k	86	500m	70	07					
13	TOA1747F	30			6.0	50	1.5	24	300	24	10k	94	500m	70	07					
14	T2809J*	30		3.0u/s	10m	750n	2.0u	16	150k	24	10k	10k	83	300m	65	07	A104	TO116		
15	TOA2809E*	30		3.0u/s	10m	750n	2.0u	16	50k	24	10k	10k	83	300m	65	07	A104	TO116		
16#	SFC2102S	30		6.0u/s	5.0m	10n		20	100G	20		200k	100	250m	70	07	A002	TO99		
17	LA709-M	30		6.0u/s	6.0m	500n	1.5u	3.0	150k	16		200k	100	250m	70	07	A003	MP2		
18	T1809J*	30		6.0u/s	6.0m	500n	1.5u	3.0	150k	16	10k	200k	100	250m	70	07	A104	TO116		
19	3058/01	30		15u/s	4.0m/s	30n/s	4.0u/s	22	200k	20	1.5m	1.0M	80	100	28		CN1a			
20	L144CL	30	750u		10m	70n	200n	24		20	400k	90	400m	80	07	A201	TO86			
21	9716	30	750u	50u	20m	15p	50p	24	1.0T	20	200m	86	100	80	58		MP5bk			
22	RM4132D	30	1.1m	15	4.0m	4.0m	20n	30	20M	24	10k	94	130m	80	58		14-5			
23	RM4132Q	30	1.1m	15	4.0m	4.0m	20n	30	20M	24	10k	94	130m	80	58		FP2k			
24	RC4132D	30	1.3m	20	6.0m	7.5m	35n	30	10M	24	10k	94	130m	70	07		14-5			
25	RC4132Q	30	1.3m	20	6.0m	7.5m	35n	30	10M	24	10k	94	130m	70	07		FP2k			
26	RM4132BL	30	1.8m	15	3.0m	3.0m	10n	30	20M	24	10k	94	130m	80	5C		CH45			
27	3229-12C	30	1.8m	20	2.0m	2.0m	50ps	30	100G	30	2.0m	50k	90	300m	75	28		MP5by		
28	3230-12C	30	1.8m	20	2.0m	2.0m	50ps	30	100G	30	2.0m	50k	90	300m	75	28		MP5by		
29	Q200	30	1.9m	20	1.0m	1.0m	25ns	6.0	4.0M	2.0	2.0m	150k	86	3.0	28		MP5bc			
30	RC4132BL	30	2.0m	20	5.0m	5.0m	25ns	30	10M	24	10k	300k	94	130m	70	07		CH45		
31	RC4132DE	30	2.0m	20	5.0m	5.0m	25ns	30	10M	24	10k	300k	94	130m	70	07		8-11		
32	1323-01	30	2.4m	30u/s	3.0m/s	2.5m/s	20ns	20	50k	24	20m	1.0M	106	20	108	28		TO99		
33	1323-02	30	2.4m	30u/s	3.0m/s	2.5m/s	20ns	20	50k	24	20m	1.0M	106	20	108	28		TO99		
34	LM4250J1	30	3.0m		6.0m	25n	50n	27	24	24	10k	100	100	108	28		A123b			
35	LM4250CJ1	30	3.0m		6.0m	25n	80n	27	24	24	10k	95	100	108	28		A123b			
36	1011MT	30	5.0m	5.0u	5.0m	30n	50n	22	24	2.0k	1.0M	112	10	86	5C	A303	TO99			
37	1011CT	30	5.0m	5.0u	5.0m	40n	70n	22	24	2.0k	1.0M	106	10	80	07	A303	TO99			
38	735-12-5B #2	30	6.0m	3.0m	4.0m	10n	10n	24	5.0M	24	10k	92	500m	60	5C	A108	TO99			
39	TLO22ML	30	6.0m	6.0m	100n	250n	30	24	20	10k	800k	95	500m	60	5C	A360a	CN1k			
40	UA735-5B	30	6.0m	3.0u/s	2.5m	10n	40n	30	5.0M	20	2.0k	87		30	5C	A108	TO99			
41	UA735B-5B	30	6.0m	3.0u/s	2.5m	10n	40n	30	5.0M	20	2.0k	87		30	5C	A108	TO99			
42	UA735C-5B	30	6.0m	3.0u/s	2.5m	10n	40n	30	5.0M	20	2.0k	87		30	07	A108	TO99			
43	AD039	30	6.0m	50u/s	1.0m	50ps	24	10G	22	2.0m	200k	97	200m	66	28	A053b	MP42f			
44	915B	30	9.0m	1.5u		25n		500M	17	2.0m	10k	60	200m	100			MP5bx			
45	915A	30	9.0m	1.5u		25n		500M	17	2.0m	10k	60	200m	100			MP5bx			
46	A915C	30	10m	500n	1.0m	6.0n	30n	20	10M	20	4.0m	10k	60	100	07		MP5bx			
47	A915B	30	10m	1.0u	3.0m	6.0n	30n	20	10M	20	4.0m	10k	60	100	07		MP5bx			
48	A915A	30	10m	3.0u	3.0m	6.0n	30n	20	10M	20	4.0m	10k	60	100	07		MP5bx			
49	CA108AS	30	18m	5.0u/s	1.0m	400p	3.0n	27	30M	26	10k	98		96	5C	A098	CN46			
50	CA108AT	30	18m	5.0u/s	1.0m	400p	3.0n	27	30M	26	10k	98		96	5C	A098	Δ002AL			
51	CA208AS	30	18m	5.0u/s	1.0m	400p	3.0n	27	30M	26	10k	98		96	28	A098	CN46			
52	CA208AT	30	18m	5.0u/s	1.0m	400p	3.0n	27	30M	26	10k	98		96	28	A098	Δ002AL			
53	CA108S	30	18m	15u/s	3.0m	400p	3.0n	27	30M	26	10k	94		85	5C	A098	CN46			
54	CA108T	30	18m	15u/s	3.0m	400p	3.0n	27	30M	26	10k	94		85	5C	A098	Δ002AL			
55	CA208S	30	18m	15u/s	3.0m	400p	3.0n	27	30M	26	10k	94		85	28	A098	CN46			
56	CA208T	30	18m	15u/s	3.0m	400p	3.0n	27	30M	26	10k	94		85	28	A098	Δ002AL			
57	LA108H	30	18m	15u	3.0m	400p	3.0n	28	30M	26	10k	94		85	5C	A098	CN1c			
58	LA208H	30	18m	15u	3.0m	400p	3.0n	28	30M	26	10k	94		85	28	A098	CN1c			
59	LA308H	30	18m	30u	10m	1.5n	10n	28	10M	26	10k	83		80	07	A098	CN1c			
60	CA308AS	30	24m	5.0u/s	730u	1.5n	10n	28	10M	26	10k	98		96	07	A098	CN46			
61	CA308AT	30	24m	5.0u/s	730u	1.5n	10n	28	10M	26	10k	98		96	07	A098	Δ002AL			
62	LA308AH	30	24m	5.0u	730u	1.5n	10n	28	10M	26	10k	98		96	07	A098	CN1d			
63	LH2308AF	30	24m	5.0u	730u	1.5n	10n	28	10M	26	2.6m	800k	10	400m	96	07	A098	FP28		
64	LM308ADE	30	24m	5.0u	730u	1.5n	10n	28	10M	26	10k	98		96	07	A098	8-11			
65	LM308AF	30	24m	5.0u	730u	1.5n	10n	28	10M	26	10k	98		96	07	A098	FP37			
66	CA308H	30	24m	30u/s	10m	1.5n	10n	28	10M	26	10k	88		80	07	A098	CH			
67	CA308S	30	24m	30u/s	10m	1.5n	10n	28	10M	26	10k	88		80	07	A098	CN46			
68	CA308T	30	24m	30u/s	10m	1.5n	10n	28	10M	26	10k	88		80	07	A098	Δ002AL			
69	LM308F	30	24m	30u	10m	1.5n	10n	28	10M	26	10k	88		80	07	A420d	FP37			
70	LM312D	30	24m	30u	10m	1.5n	10n	28	10M	26	10k	88		80	07	A206	14-32			
71	P65CQ	30	27m	36u		50n		10	300k	22	1.1m	1.3M	103	500m	60	28				
72	P65Q	30	27m	36u		50n		20	300k	22	1.1m	1.3k	103	500m	60	28				
73	PP65Q	30	27m	36u		50n		20	300k	22	1.1m	1.3k	103	500m	60	28				
74	CA45	30	30m	1.0u	50u	75p		SE	450k	20	10m	2.0M	140	30	5A		MP5t			
75	KM56	30	30m	3.0u	.54m	50n/s			250k	22	4.4m	3.0M	98		5C		MP6c			
76	1402-02	30	30m	50u	300u/s	10p	30p	24	1.0T	26	2.0m	2.5M	80	3.0	76	28		CN2		
77	1402-01	30	30m	50u	1.0m/s	10p	30p	24	1.0T	26	2.0m	2.5M	80	3.0	76	28		CN2		
78	1402	30	30m	50u	3.0m	10p	30p	24	1.0T	26	2.0m	2.5M	80	3.0	76	28		CN2		
79	LM3080AH	30	33m		5.0m	600ns	8.0u	24	10k	24	350u	2.0M		50	80	5C	A443	CN1d		
80	LM3080AJ	30	33m		5.0m	600ns	8.0u	24	10k	24	350u	2.0M		50	80	07	A443a	8-21		
81	LM3080H	30	33m		6.0m	600ns	7.0u	24	10k	24	350u	2.0M		50	80	07	A443			

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINEAR

LINE No.	TYPE No.	PWR SUP @ 25°C		INPUT CHARACTERISTICS							MIN. OUTPUT		MIN TRANSFER CHAR @ 25°C				E O M D P +	C K T.	DRAWINGS
		1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	OVER OPERATING TEMP. RANGE		MIN. @ 25°C			CHAR @ 25°C		3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/μS)	CMRR (dB)					
				3 DRIFT (V/°C)	4 OFFSET (V)	CM RANGE (ΔV)	DIFF. IMP. (Ω)	P.P. VOLT. (ΔV)	P.P. CUR. (ΔA)										
1	RM1556T	30	45m	15u	6.0m	5.0n	30n	24	5.0M	24	2.0k	4.0M	106	2.0	80	5C	A100	T099	
2	WM741T	30	50m		1.0m	3.0n	20u	24	1.0M	26	13m	100	1.5	90	5C	A100	CN18b		
3#	uA748	30	51m		5.0m	2.0n	500n					1.0m	94	1.5	90	5C	A100	CN1g	
4	2404BG	30	55m	25u	10m	2.0p	20p	16	10G	20	10k	90	2.0	90	5C	A022	CN2b		
5	RC4131CD	30	57m		6.0m		70n	30	3.0M	24		106			07	A092	14-5		
6	RC4131CQ	30	57m		6.0m		70n	30	3.0M	24		106			07	A092	FP2k		
7	RC4131CT	30	57m		6.0m		70n	30	3.0M	24		106			07	A092	T099		
8	RC4131D	30	57m	20u	6.0m	30n	200n	30	3.0M	24	10k	94	2.0	70	07	A092	14-5		
9	RC4131Q	30	57m	20u	6.0m	30n	200n	30	3.0M	24	10k	94	2.0	70	07	A092	FP2k		
10	LM146-2Jt*	30	60m		6.0m	25n	100n	27	1.0M	24	10k	800k	100	400m	5C	A398a	16-3a		
11	SN52770L	30	60m		7.0m	5.0n	35n	24	100M	24	2.0k	1.3M	94	2.5	80	5C	A184	T099	
12	SN52770N	30	60m		7.0m	5.0n	35n	24	100M	24	2.0k	1.3M	94	1.5	80	5C	A184	14-4h	
13	SN52770P	30	60m		7.0m	5.0n	35n	24	100M	24	2.0k	1.3M	94	2.5	80	5C	A184	8-7	
14	SN52771L	30	60m		7.0m	5.0n	35n	24	100M	24	2.0k	1.3M	94	2.5	80	5C	A185	T099	
15	SN52771N	30	60m		7.0m	5.0n	35n	24	100M	24	2.0k	1.3M	94	2.5	80	5C	A185	14-4h	
16	SN52771P	30	60m		7.0m	5.0n	35n	24	100M	24	2.0k	1.3M	94	2.5	80	5C	A185	8-7	
17	KM26	30	60m	5.0u	1.8m	5.0n	50n	24	100k	22	5.0m	5.0M	94	80	5C	MP6d	FP2y		
18	OP01L	30	60m	8.0u	1.0m	4.0n	50n	24	25	5.0k	2.5M	94	18	90	5C	A172			
19	9717	30	60m	15u	10m	15p	50p	20	1.0T	20	20m	3.0M	110	2.0	100	58		MP6p	
20	RC1556D	30	60m	20u	14m	14n	40n	22	3.0M	22	2.0k	4.0M	100	2.0	70	07	A100	14-21	
21	RC1556NB	30	60m	20u	14m	14n	40n	22	3.0M	22	2.0k	4.0M	100	2.0	70	07	A100	8-11k	
22	RC1556T	30	60m	20u	14m	14n	40n	22	3.0M	22	2.0k	4.0M	100	2.0	70	07	A100	T099	
23	9125	30	60m	100u	10m	30u	60u	20	100k	20	60m	30k	60	15	58		MP7		
24	ULS2159D	30	70m		3.5m	15n	75n	24	2.0k	24	2.0k	400k	100	25	90	5C	A174	T099	
25	ULS2159G	30	70m		3.5m	15n	75n	24	2.0k	24	2.0k	400k	100	25	90	5C	A172	T091	
26	ULS2159H	30	70m		3.5m	15n	75n	24	2.0k	24	2.0k	400k	100	25	90	5C	A173	14-11a	
27	ULS2159M	30	70m		3.5m	15n	75n	24	2.0k	24	2.0k	400k	100	25	90	5C	A151	8-1	
28	HA9-911	30	75m		7.5m	450n	750n	24	100k	22	30m	7.0M	86	5.0	74	07	A226	T086	
29	LM246-2Jt*	30	75m		7.5m	100n	250n	27	1.0M	24	10k	500k	94	400m	70	28	A398a	16-3a	
30	LM246Jt*	30	75m		7.5m	100n	250n	27	1.0M	24	10k	500k	94	400m	70	28	A398	16-3a	
31	LM246Nt*	30	75m		7.5m	100n	250n	27	1.0M	24	10k	500k	94	400m	70	28	A398	16-13c	
32	LM346-2Jt*	30	75m		7.5m	100n	250n	27	1.0M	24	10k	500k	94	400m	70	07	A398a	16-3a	
33	LM346-2Nt*	30	75m		7.5m	100n	250n	27	1.0M	24	10k	500k	94	400m	70	07	A398a	16-13c	
34	TL071AML	30	75m	10u	5.0m	2.0n	50n	24	1.0T	24	10k	3.0M	94	13	80	07	A396a	CN1k	
35	TL071BCL	30	75m	10u	5.0m	2.0n	50n	24	1.0T	24	10k	3.0M	94	13	80	07	A396a	CN1k	
36	TL071ACL	30	75m	10u	5.0m	2.0n	50n	24	1.0T	24	10k	3.0M	94	13	80	07	A396a	CN1k	
37	TL071IL	30	75m	10u	9.0m	1.0n	20n	24	1.0T	24	10k	3.0M	94	13	80	28	A396a	CN1k	
38	TL071ML	30	75m	10u	9.0m	2.0n	50n	24	1.0T	24	10k	3.0M	94	13	80	5C	A396a	CN1k	
39	TL071CL	30	75m	10u	1.3m	2.0n	70n	24	1.0T	24	10k	3.0M	88	13	70	07	A396a	CN1k	
40	SSS747CM*	30	75m	15u	6.0m	50n	150n	24	1.0M	24	10k	1.0M	94	1.0	70	07	A176	T086	
41	HA2-909A	30	75m	25u	2.0m	50n	200n	24	300k	24	40m	7.0M	88	1.7	80	5C	A050	T099	
42	RA2909A	30	75m	25u	2.0m	50n	200n	24	300k	24	40m	7.0M	88	1.7	80	5C	A050	T099	
43	HA9-909A	30	75m	25u	3.0m	130u	200n	24	300k	24	40m	7.0M	88	1.7	80	5C	A050	T086	
44	RA909A	30	75m	25u	3.0m	130u	200n	24	300k	24	40m	7.0M	88	1.7	80	5C	A050	T086	
45	RA909	30	75m	25u	6.0m	300n	300n	24	300k	22	30m	7.0M	88	2.0	80	5C	A050	T086	
46	RA2909	30	75m	25u	6.0m	300n	300n	24	300k	22	30m	7.0M	88	2.0	80	5C	A050	T086	
47	RA911	30	75m	30u	7.5m	450n	500n	24	300k	24	30m	7.0M	88	1.7	74	07	A050	T086	
48	RA2911	30	75m	30u	7.5m	450n	500n	24	300k	24	30m	7.0M	88	1.7	74	07	A050	T086	
49#	u1708C	30	78m		7.5m	100n	15u				1.0m	84			07		CN1g		
50#	SFC2709E	30	80m		2.0m	1.0u	30u		250k			93			07		TO116		
51#	SFC2709P	30	80m		2.0m	1.0u	30u		250k			93			07		TO116		
52	uA744-5B	30	80m		2.0m	1.0u	30u	20	250k	26	2.0k	93	400m	90	5C	A110	T099		
53	WC1709D	30	80m		2.0m	1.0u	30u	24	250k	26	13m	10k	100	20	90	07	A043	MP14e	
54	WC1709T	30	80m		2.0m	1.0u	30u	24	250k	26	13m	10k	100	20	90	07	A043	CN18b	
55	WM1709K	30	80m	3.0u	1.0m	50n	20u	24	400k	26	13m	10k	100	20	90	5C	A043	MP14f	
56	WM1709Q	30	80m	3.0u	1.0m	50n	20u	24	1.0M	26	13m	10k	100	20	90	5C	A043	FP6b	
57	WM1709T	30	80m	3.0u	1.0m	50n	20u	24	400k	26	13m	10k	100	20	90	5C	A043	CN18b	
58	UC709	30	80m	8.0u	6.0m	75n	22u	16	1.0M	24	10k	88			90	5C		T099	
59	LM741D	30	84m		6.0m	500n	1.5u	24	300k	24	10k	94	500m	70	5C	A236	14-4h		
60	LM741F	30	84m		6.0m	500n	1.5u	24	300k	24	10k	94			5C	A236	FP37		
61	UB57741312	30	84m		6.0m	500n	1.5u	24	300k	20	2.0k	88			70	5C	A174	T099	
62	LM741CD	30	84m		7.5m	300n	800n	24	300k	24	10k	88			07	A236	14-4h		
63#	SFC2748PC	30	84m		7.5m	300n	800n	24	300k	24	10k	94	500m	70	07	A112	T091		
64	UB57741393	30	84m		7.5m	300n	80u	24	300k	20	2.0k	88			07	A174	T099		
65	U9T7741393	30	84m		7.5m	300n	80u	24	300k	20	2.0k	88			07	A200a			
66	LM748JC	30	84m	6.0u	6.0m	300n	800n	24	300k	24	10k	94			07	A351a	8-21		
67#	NE535V	30	84m	6.0u	6.0m	80n	200n	24	1.0M	20	2.0k	88	10	70	07	A390a	8-5		
68	TL087CL	30	84m	10u	500u	100p	400p	20	1.0T	24	10k	3.0M	94	13	70	07	A396a	CN1k	
69	TL087ML	30	84m	10u	500u	100p	400p	20	1.0T	24	10k	3.0M	94	13	70	5C	A396a	CN1k	
70	TL088CL	30	84m	10u	3.0m	100p	400p	20	1.0T	24	10k	3.0M	88	13	70	07	A396a	CN1k	
71	TL088ML	30	84m	10u	3.0m	100p	400p	20	1.0T	24	10k	3.0M	94	13	70	5C	A396a	CN1k	
72	TL081AML	30	84m	10u	5.0m	1.0n	25n	24	1.0T	24	10k	3.0M	87	12	80	5C	A373b	T099	
73	TL081BCL	30	84m	10u	5.0m	2.0n	4.0n	24	1.0T	24	10k	3.0M	87	12	80	06	A373b	T099	
74	TL080ACL	30	84m	10u	7.5m	3.0n	5.0n	24	1.0T	24	10k	3.0M	87	12	80	06	A373	T099	
75	TL081ACL	30	84m	10u	7.5m	1.0n	6.0n	24	1.0G	24	10k	88	9.0	70	07	A361a	CN1k		
76	TL080IL	30	84m	10u	9.0m	1.0n	20n	24	1.0T	24	10k	3.0M	87	12	80	28	A373	T099	
77	TL080ML	30	84m	10u	9.0m	2.0n	50n	24	1.0T	24	10k	3.0M	87	12	80	5C	A373	T099	
78	TL081IL	30	84m	10u	9.0m	1.0n	20n	24	1.0T	24	10k	3.0M	87	12	80	28	A373b	T099	
79	TL0																		

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	TYPE No.	PWR SUP @ 25°C		INPUT CHARACTERISTICS						MIN. OUTPUT		MIN TRANSFER CHAR @ 25°C				DRAWINGS	
		1] TOT. VOLT. (ΔV)	2] MAX IDLE P (W)	OVER OPERATING TEMP. RANGE		MIN.-@ 25°C		CHAR. @ 25°C		3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/μS)	CMRR (dB)	T C E O M D P E	C K T.	O U T. Δ - L I N E - M O	
				3] DRFT (V/°C)	4] OFST (V)	MAX VOLTAGE	MAX CURRENT	CM RANGE (ΔV)	DIFF IMP. (Ω)								P-P VOLT. (ΔV)
1	CA748CF*	30	85m	6.0m	300n	1.5u	24	300k	24	10k∅		94	500mt	70	5C	A181b	8-11c
2	CA1558F*	30	85m	6.0m	500n	800n	24	300k	24	10k∅		93	500mt	70	5C	A181a	8-11c
3	CA3056A741	30	85m	6.0m	500n	15u∇	24	300k	20	25m		93	500mt	70	5C	Z117	∞002AL
4	GEL741D2	30	85m	6.0m	500n	1.5u∇	24	300k	20	2.0k∅	1.0M∅	94	500mt	70	5C	A042	T099
5	LM747D883	30	85m	6.0m	500n	1.5u	24	300k	24	10k∅		94	500mt	70	5C	A440	MPZ
6	LM747D*	30	85m	6.0m	500n	1.5u	24	300k	24	10k∅		94	500mt	70	5C	A440	14-32
7	LM747F	30	85m	6.0m	500n	1.5u	24	300k	24	10k∅		94	500mt	70	5C	A440	FP29a
8#	MA747ML	30	85m	6.0m	500n	1.5u	24	300k	24	10k∅		94	500mt	70	5C	A154a	TO100
9#	MA747MN	30	85m	6.0m	500n	1.5u	24	300k	24	10k∅		94	500mt	70	5C	A154a	14-4h
10#	MA748ML	30	85m	6.0m	500n	1.5u	24	300k	24	10k∅		93	500mt	70	5C	A153	T099
11	MIC741-1C	30	85m	6.0m	500n	1.5u	24	300k	24	10k∅		93	500mt	70	5C	A154a	CN1
12	MIC741-1D	30	85m	6.0m	500n	1.5u	24	300k	24	10k∅		93	500mt	70	5C	A154a	14-2p
13#	MT741	30	85m	6.0m	500n	1.5u∇	30	300k	24	10k∅		93	500mt	70	5C	A042m	CN1c
14	PA7741C39	30	85m	6.0m	200n	500n	24	300k	20	2.0k∅		88	500mt	70	07	A042	T099
15	PD7741-31	30	85m	6.0m	500n	1.5u	24	300k	24	2.0k∅	1.0M	94	500mt	70	5C	A042	T099
16	PD7741C39	30	85m	6.0m	200n	500n	24	300k	20	2.0k∅		88	500mt	70	07	A042	TO116
17	PL7741-31	30	85m	6.0m	500n	1.5u	24	300k	24	2.0k∅	1.0M	94	500mt	70	5C	A042	FP2m
18	RC741DB	30	85m	6.0m	500n	1.5u	24	1.0M	24	10k∅	1.0M∅†	94	500mt	70	07	A042k	14-12f
19	RC1741BL	30	85m	6.0m	500n	1.5n	24	300k	20	2.0k∅		146	50 f	70	07	A299	CH25
20	RM741CQ	30	85m	6.0m	500n	1.5u	24	1.0M	24	10k∅		94	500mt	70	07	A042k	FP2z
21	RM741Q	30	85m	6.0m	500n	1.5u	24	1.0M	24	10k∅		94	500mt	70	5C	A042k	FP2z
22	SE530A	30	85m	6.0m	500n	1.5u	24	300k	20	2.0k∅	1.0M	94	500mt	70	5C	A042	TO116
23	SE530G	30	85m	6.0m	500n	1.5u	24	300k	20	2.0k∅	1.0M	94	500mt	70	5C	A042	TO116
24	SG741N	30	85m	6.0m	500n	1.5u	24	300k	20	2.0k∅	1.0M	94	500mt	70	07	A042	TO116
25	SN52741N	30	85m	6.0m	500n	1.5u	24	300k	24	10k∅		93	500mt	70	5C	A154	14-4h
26	SN52741P	30	85m	6.0m	500n	1.5u	24	300k	24	10k∅		93	500mt	70	5C	A154	8-3
27	SN52747FA	30	85m	6.0m	500m	1.5u	24	300k	24	10k∅		94	500mt	70	5C	A154a	FP22
28	SN52747JA	30	85m	6.0m	500m	1.5u	24	300k	24	10k∅		94	500mt	70	5C	A154a	14-25
29	SN52748FA	30	85m	6.0m	500m	1.5u	24	300k	24	10k∅		94	500mt	70	5C	A153	FP22
30	SN52748JA	30	85m	6.0m	500m	1.5u	24	300k	24	10k∅		94	500mt	70	5C	A153	14-25
31	SN52748N	30	85m	6.0m	500n	1.5u	24	300k	24	10k∅		93	500mt	70	5C	A153	14-4h
32	SN52748P	30	85m	6.0m	500n	1.5u	24	300k	24	10k∅		93	500mt	70	5C	A153	8-3
33	SSS741GJ	30	85m	6.0m	50n	200n	24	1.0M	24	10k∅		94	500mt	70	5C	A315	T099
34	SSS741GY	30	85m	6.0m	50n	200n	24	1.0M	24	10k∅		94	500mt	70	5C	A315	14-2ak
35	SSS747CK*	30	85m	6.0m	50n	200n	24	1.0M	24	10k∅		94	500mt	70	07	A315a	TO100
36	SSS747CY*	30	85m	6.0m	50n	200n	24	1.0M	24	10k∅		94	500mt	70	07	A315a	14-2ak
37	SSS747GK*	30	85m	6.0m	50n	200n	24	1.0M	24	10k∅		94	500mt	70	5C	A315a	TO100
38	SSS747GM*	30	85m	6.0m	50n	200n	24	1.0M	24	10k∅		94	500mt	70	5C	A315a	FP6m
39	SSS747GY*	30	85m	6.0m	50n	200n	24	1.0M	24	10k∅		94	500mt	70	5C	A315a	14-2ak
40	SSS1458J*	30	85m	6.0m	50n	200n	24	1.0M	20	2.0k∅		94	500mt	70	07	A315b	T099
41	SSS1558J*	30	85m	6.0m	50n	200n	24	1.0M	20	2.0k∅		94	500mt	70	07	A315b	T099
42	T1741F	30	85m	6.0m	500n	1.5u	24	300k	24	10k∅		94	500mt	70	5C	A315b	T091
43	T1741J	30	85m	6.0m	500n	1.5u	24	300k	24	10k∅	10k	94	500mt	70	5C	A315b	TO116
44	T1741V	30	85m	6.0m	500n	1.5u	24	300k	24	10k∅	10k	94	500mt	70	5C	A315b	T099
45	T1741WF	30	85m	6.0m	500n	1.5u	24	300k	24	10k∅		94	500mt	70	5C	A241	T086
46	T1741WJ	30	85m	6.0m	500n	1.5u	24	300k	24	10k∅		94	500mt	70	5C	A241	TO116
47	T1741WV	30	85m	6.0m	500n	1.5u	24	300k	24	10k∅		94	500mt	70	5C	A241	T099
48	T1747AV*	30	85m	6.0m	500n	1.5u	24	300k	24	10k∅		94	500mt	90	5C	A241a	TO100
49	T1747J*	30	85m	6.0m	500n	1.5u	24	300k	24	10k∅		94	500mt	90	5C	A241a	TO116
50	T1747V*	30	85m	6.0m	500n	1.5u	24	300k	24	10k∅		94	500mt	90	5C	A241a	T099
51	T1748F	30	85m	6.0m	500n	1.5u	24	300k	24	10k∅	100k	94	50 f	70	5C	A241a	T099
52	T1748J	30	85m	6.0m	500n	1.5u	24	300k	24	10k∅	100k	94	50 f	70	5C	A241a	TO116
53	T1748V	30	85m	6.0m	500n	1.5u	24	300k	24	10k∅	100k	94	50 f	70	5C	A241a	T099
54	T7741F	30	85m	6.0m	30n	90n	24	3.0M	24	10k∅	10k	94	1.0 f	70	5C	A241a	T091
55	T7741J	30	85m	6.0m	30n	90n	24	3.0M	24	10k∅	10k	94	1.0 f	70	5C	A241a	TO116
56	T7741V	30	85m	6.0m	30n	90n	24	3.0M	24	10k∅	10k	94	1.0 f	70	5C	A241a	T099
57	T7741WF	30	85m	6.0m	30n	90n	24	3.0M	24	1.0k∅		94	1.0 f	70	5C	A269	TO116
58	T7741WJ	30	85m	6.0m	30n	90n	24	3.0M	24	10k∅		94	1.0 f	70	5C	A269	TO116
59	T7741WV	30	85m	6.0m	30n	90n	24	3.0M	24	10k∅		94	1.0 f	70	5C	A269	T099
60	T7747AV*	30	85m	6.0m	30n	90n	24	3.0M	24	10k∅		94	500mt	90	5C	A241a	TO100
61	T7747J*	30	85m	6.0m	30n	90n	24	3.0M	24	10k∅		94	500mt	90	5C	A241a	TO116
62	T7747V*	30	85m	6.0m	30n	90n	24	3.0M	24	10k∅		94	500mt	90	5C	A241a	T099
63	T7748F	30	85m	6.0m	30n	90n	24	3.0M	24	10k∅	10k	94	10 f	70	5C	A241a	T099
64	T7748J	30	85m	6.0m	30n	90n	24	3.0M	24	10k∅	10k	94	10 f	70	5C	A241a	T099
65	T7748V	30	85m	6.0m	30n	90n	24	3.0M	24	10k∅	10k	94	10 f	70	5C	A241a	T099
66	TOA1741	30	85m	6.0m	50u	1.5u	24	300k	24	10k∅	10k	94	50 f	70	5C	A241a	T079
67	TOA1741W	30	85m	6.0m	500n	1.5u	24	300k	24	10k∅	100k	94	50 f	70	5C	A241a	T099
68	TOA1741WF	30	85m	6.0m	500n	1.5u	24	300k	24	10k∅	100k	94	50 f	70	5C	A241a	T091
69	TOA1741WP	30	85m	6.0m	500n	1.5u	24	300k	24	10k∅	100k	94	50 f	70	5C	A241a	TO116
70	TOA7741	30	85m	6.0m	30n	90n	24	3.0M	24	10k∅	10k	94	1.0 f	70	5C	A241a	T099
71	TOA7741W	30	85m	6.0m	30n	90n	24	3.0M	24	10k∅	100k	94	10 f	70	5C	A241a	T099
72	TOA7741WF	30	85m	6.0m	30n	90n	24	3.0M	24	10k∅	100k	94	10 f	70	5C	A241a	T091
73	uA747IDM	30	85m	6.0m	500n	1.5u	24	300k	24	10k∅		94	500mt	70	5C	A241	14-2x
74	uA747IHM	30	85m	6.0m	500n	1.5u	24	300k	24	10k∅		94	500mt	70	5C	A241	TO100
75	UC4741D*	30	85m	6.0m	500n	1.5u	24	500k	20	2.0k∅	700k∅	94	600mt	70	5C	A042k	14-5
76	UC4747*	30	85m	6.0m	500n	1.5u	24	500k	20	2.0k∅	700k∅	94	600mt	70	5C	A042k	14-5
77	UC4748	30	85m	6.0m	500n	1.5u	24	500k	20	2.0k∅	700k∅	94	600mt	70	5C	A042k	T099
78	ULS2741C	30	85m	6.0m	500n	1.5u	24	300k	24	10k∅		93	500mt	70	5C	A042k	TO99
79	ULS2741D	30	85m														

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINEAR

LINE No.	TYPE No.	PWR SUP @ 25°C		INPUT CHARACTERISTICS						MIN. OUTPUT CHAR. @ 25°C		MIN TRANSFER CHAR @ 25°C				T O C E O P M D E	DRAWINGS C K T. P L E	OUT- LINE Δ-MO		
		1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	OVER OPERATING TEMP. RANGE		3 DRIFT (V/°C)	4 OFST (V)	MAX CURRENT (A)	BIAS (A)	CM RANGE (ΔV)	DIFF IMP. (Ω)	P-P VOLT. (ΔV)	P-P CUR. (ΔA)	3dB BW (Hz)	O.L. VOLT. GAIN (dB)				SLEW RATE (V/μS)	CMRR (dB)
				MIN. @ 25°C	MAX @ 25°C															
1	CA3056-741C	30	85m		7.5m	300n	800n	24	300k	20	25m			86	500mt	70	07	Z117	Δ002AL	
2	GEL741D1	30	85m		7.5m	300n	800n	24	300k	20	2.0k∅		1.0M∅	86	500mt	70	07	A042	T099	
3	GEL741E1	30	85m		7.5m	300n	800n	24	300k	20	2.0k∅		1.0M∅	86	500mt	70	07	A042	T0116	
4	GEL741AD	30	85m		7.5m	300n	800n	24	300k	20	2.0k∅		1.0M∅	86	500mt	70	07	A042	T0116	
5	IC8008C	30	85m		7.5m	30n	90n	24	1.0M	24	10k∅			86	500mt	70	07	A014	T099	
6	IC89741C	30	85m		7.5m	300n	800n	24	300k	24	10k∅			86	500mt	70	07	A014	T099	
7	LM747-1CD*	30	85m		7.5m	300n	800n	24	300k	24	10k∅			86	500mt	70	07	A440a	14-48	
8	LM747-1CH*	30	85m		7.5m	300n	800n	24	300k	24	10k∅			86	500mt	70	07	A440a	CN10r	
9	LM747-1CJ*	30	85m		7.5m	300n	800n	24	300k	24	10k∅			86	500mt	70	07	A440a	14-49	
10	LM747-1CN*	30	85m		7.5m	300n	800n	24	300k	24	10k∅			86	500mt	70	07	A440a	14-50	
11	LM747CD	30	85m		7.5m	300n	800n	24	300k	24	10k∅			86	500mt	70	07	A440	14-32	
12	MA741CL	30	85m		7.5m	300n	800n	24	300k	24	10k∅			86	500mt	70	07	A154	T099	
13#	MA747CL	30	85m		7.5m	300n	800n	24	300k	24	10k∅		1.0M∅	94	500mt	70	07	A154a	T0100	
14	MC1741CP	30	85m		7.5m	300n	800n	24	300k	24	10k∅			86	1.0 t	70	07	A014	14-3a	
15	MIC741-5C	30	85m		7.5m	300n	800n	24	300k	24	10k∅			86	500mt	70	07		CN1	
16	MIC741-5D	30	85m		7.5m	300n	800n	24	300k	24	10k∅			86	500mt	70	07		14-2p	
17#	MT741C	30	85m		7.5m	300n	800n	30	300k	20	2.0k∅			86	500mt	70	07	A042m	CN1c	
18	NE530G	30	85m		7.5m	300n	800n	24	300k	20	2.0k∅		1.0M	86	500mt	70	07		T091	
19	PA7741-39	30	85m		7.5m	300n	800n	24	300k	24			1.0M	86	500mt	70	07		T099	
20	PD7741-39	30	85m		7.5m	300n	800n	24	300k	24			1.0M	86	500mt	70	07		MPZ	
21	PL7741-39	30	85m		7.5m	300n	800n	24	300k	24			1.0M	86	500mt	70	07		FPZm	
22	RC741CD	30	85m		7.5m		200n	30	1.0M	24			106			07	A042	14-5		
23	RC741CQ	30	85m		7.5m		200n	30	1.0M	24			106			07	A042	FP2k		
24	RC741CT	30	85m		7.5m		200n	30	1.0M	24			106			07	A042	T099		
25	RC741Q	30	85m		7.5m	300n	800n	24	1.0M	24	10k∅			86	500mt	70	07	A042k	FP2z	
26	RC748BL	30	85m		7.5m	300n	800n	24	300k	20	2.0k∅			88	500mt	70	07		CH25	
27	RC748D	30	85m		7.5m	300n	800n	24	300k	20	2.0k∅			88	500mt	70	07	A112	14-5	
28	RC748DE	30	85m		7.5m	300n	800n	24	300k	20	2.0k∅			86	500mt	70	07	A112	8-11j	
29	RC748DP	30	85m		7.5m	300n	800n	24	300k	20	2.0k∅			86	500mt	70	07	A112	14-5	
30	RC748NB	30	85m		7.5m	300n	800n	24	300k	20	2.0k∅			86	500mt	70	07	A112	8-11k	
31	RC748Q	30	85m		7.5m	300n	800n	24	300k	20	2.0k∅			88	500mt	70	07	A112	FP2k	
32	RC748T	30	85m		7.5m	300n	800n	24	300k	20	2.0k∅			88	500mt	70	07	A112	T099	
33	RM748BL	30	85m		7.5m	300n	800n	24	300k	20	2.0k∅			88	500mt	70	5C		CH25	
34	RM748D	30	85m		7.5m	300n	800n	24	300k	20	2.0k∅			88	500mt	70	5C	A112	14-5	
35	RM748DE	30	85m		7.5m	300n	800n	24	300k	20	2.0k∅			88	500mt	70	5C	A112	8-11j	
36	RM748Q	30	85m		7.5m	300n	800n	24	300k	20	2.0k∅			88	500mt	70	5C	A112	FP2k	
37	RM748T	30	85m		7.5m	300n	800n	24	300k	20	2.0k∅			88	500mt	70	5C	A112	T099	
38	RM1741BL	30	85m		7.5m	300n	800n	24	300k	20	2.0k∅		154	50 t	70	5C	A299	CH25		
39#	SFC2741PC	30	85m		7.5m	300n	800n	24	300k	24	10k∅		86	500mt	70	07	A042k	T091		
40	SN72747FA	30	85m		7.5m	300m	800n	24	300k	24	10k∅		94	500mt	70	07	A154a	FP22		
41	SN72748FA	30	85m		7.5m	300m	800n	24	300k	24	10k∅		94	500mt	70	07	A153	FP22		
42	SSS741CJ	30	85m		7.5m	50n	200n	24	1.0M	24	10k∅		86			07	A315	T099		
43	SSS741CY	30	85m		7.5m	50n	200n	24	1.0M	24	10k∅		86			07	A315	14-2ak		
44	T2741F	30	85m		7.5m	300n	800n	24	300k	24	10k∅		10k	86	500mt	70	07		T091	
45	T2741V	30	85m		7.5m	300n	800n	24	300k	24	10k∅		10k	86	500mt	70	07		T099	
46	T2741WF	30	85m		7.5m	300n	800n	24	300	24	10k∅		10k	86	500mt	70	07	A241	T086	
47	T2741WJ	30	85m		7.5m	300n	800n	24	300	24	10k∅		10k	86	500mt	70	07	A241	T0116	
48	T2741WV	30	85m		7.5m	300n	800n	24	300	24	10k∅		10k	86	500mt	70	07	A241	T099	
49	T2747AV*	30	85m		7.5m	300n	800n	24	300k	24	10k∅		86	500mt	90 t	07	A241a	T0100		
50	T2747J*	30	85m		7.5m	300n	800n	24	300k	24	10k∅		94	500mt	90 t	07	A241a	T0116		
51	T2747V*	30	85m		7.5m	300n	800n	24	300k	24	10k∅		94	500mt	90 t	07	A241a	T099		
52	T2748F	30	85m		7.5m	300n	800n	24	300k	24	10k∅		100k	94	5.0 t	70	07		T091	
53	T2748J	30	85m		7.5m	300n	800n	24	300k	24	10k∅		100k	94	5.0 t	70	07		T0116	
54	T2748V	30	85m		7.5m	300n	800n	24	300k	24	10k∅		100k	94	5.0 t	70	07		T099	
55	T8741F	30	85m		7.5m	30n	90n	24	1.0M	24	10k∅		10k	94	1.0 t	70	07		T091	
56	T8741V	30	85m		7.5m	30n	90n	24	1.0M	24	10k∅		10k	94	1.0 t	70	07		T099	
57	T8741WF	30	85m		7.5m	30n	90n	24	1.0M	24	10k∅		10k	86	1.0 t	70	07	A269	T086	
58	T8741WJ	30	85m		7.5m	30n	90n	24	1.0M	24	10k∅		10k	86	1.0 t	70	07	A269	T0116	
59	T8741WV	30	85m		7.5m	30n	90n	24	1.0M	24	10k∅		10k	86	1.0 t	70	07	A269	T099	
60	T8747AV*	30	85m		7.5m	30n	90n	24	1.0M	24	10k		86	500mt	90 t	07	A241a	T0100		
61	T8747J*	30	85m		7.5m	30n	90n	24	1.0M	24	10k∅		86	500mt	90 t	07	A241a	T0116		
62	T8747V*	30	85m		7.5m	30n	90n	24	1.0M	24	10k∅		86	500mt	90 t	07	A241a	T099		
63	T8748F	30	85m		7.5m	30n	90n	24	1.0M	24	10k∅		10k	94	1.0 t	70	07		T091	
64	T8748J	30	85m		7.5m	30n	90n	24	1.0M	24	10k∅		10k	94	1.0 t	70	07		T0116	
65	T8748V	30	85m		7.5m	30n	90n	24	1.0M	24	10k∅		10k	94	1.0 t	70	07		T099	
66#	TBA221N	30	85m		7.5m	300n	800n	24	300k	24	10k∅		86	500mt	70	07	A042	T099		
67	TOA2741	30	85m		7.5m	30u	80u	24	300k	24	10k∅		10k	86	5.0 t	70	07		T079	
68	TOA2741E	30	85m		7.5m	300n	800n	24	300k	24	10k∅		10	86	500mt	70	07		T0116	
69	TOA2741W	30	85m		7.5m	300n	800n	24	300k	24	10k∅		100k	94	5.0 t	70	07		T099	
70	TOA2741WF	30	85m		7.5m	300n	800n	24	300k	24	10k∅		100k	94	5.0 t	70	07		T091	
71	TOA2741WV	30	85m		7.5m	300n	800n	24	300k	24	10k∅		100k	94	5.0 t	70	07		T0116	
72	TOA2748E	30	85m		7.5m	300n	800n	24	300k	24	10k∅		100k	94	5.0 t	70	07		T0116	
73	TOA8741	30	85m		7.5m	30n	90n	24	1.0M	24	10k∅		10k	94	1.0 t	70	07		T099	
74	TOA8741E	30	85m		7.5m	30n	90n	24	1.0M	24	10k∅		10	86	500mt	70	07		T0116	
75	TOA8747E*	30	85m		7.5m	30n	90n	24	1.0M	24	10k∅		10k	94	1.0 t	70	07		T0116	
76	TOA8748E	30	85m		7.5m	30n														

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	TYPE No.	PWR SUP @ 25°C		INPUT CHARACTERISTICS							MIN. OUTPUT CHAR. @ 25°C		MIN TRANSFER CHAR @ 25°C				DRAWINGS			
		RATED	SPECS	OVER OPERATING TEMP. RANGE			MIN. @ 25°C				P-P VOLT. (ΔV)	P-P CUR. (ΔA)	3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T O P E	D E	CKT.	OUT-LINE Δ=MO
				1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	3 DRIFT (V/°C)	4 OFST (V)	MAX VOLTAGE (V)	MAX CURRENT (A)	BIAS (A)										
1	T3748F	30	85m	6.0u	2.0m	10n	75n	24	1.5M	24	10k	10k	94	1.0	70	07			TO91	
2	T3748J	30	85m	6.0u	2.0m	10n	75n	24	1.5M	24	10k	10k	94	1.0	70	07			TO116	
3	T3748V	30	85m	6.0u	2.0m	10n	75n	24	1.5M	24	10k	10k	94	1.0	70	07			TO99	
4	MC1741P	30	85m	6.0u	6.0m	500n	1.5u	24	300k	24	10k	93	1.0	70	5C	A014		14-3a		
5	ULN2151D	30	85m	6.0u	6.5m	50n	350n	22	400k	20	2.0k	6.0k	88	400m	75	07	A174		TO99	
6	ULN2151H	30	85m	6.0u	6.5m	50n	350n	22	400k	20	2.0k	6.0k	88	400m	75	07	A173e		MPZ	
7	ULN2151M	30	85m	6.0u	6.5m	50n	350n	22	400k	20	2.0k	6.0k	88	400m	75	07	A200a		MPZ	
8	ULN2157A*	30	85m	6.0u	6.5m	50n	350n	22	400k	20	2.0k	6.0k	88	400m	75	59	A177		14-2w	
9	ULN2157H*	30	85m	6.0u	6.5m	50n	350n	22	400k	20	2.0k	6.0k	88	400m	75	59	A177		MPZ	
10	ULN2157K*	30	85m	6.0u	6.5m	50n	350n	22	400k	20	2.0k	6.0k	88	400m	75	59	A178		CN2	
11	T2741J	30	85m	6.0u	7.5m	300n	800n	24	300k	24	10k	10k	86	500m	70	07			TO116	
12	T8741J	30	85m	6.0u	7.5m	30n	90n	24	1.0M	24	10k	10k	94	1.0	70	07			TO116	
13#	TL2741C	30	85m	6.0u	7.5m	300n	800n	24	300k	24	10k	10	86	800m	70	07	A014		TO116	
14	ICL8008CDA	30	85m	10u	7.5m	30n	90n	20	1.0M	20	2.0k	2.0M	86	500m	70	07	A014		TO99	
15	uA777FM	30	85m	15u	3.0m	10n	75n	24	2.0M	24	10k	94	1.0	70	5C	A186		TO91		
16	VA5B10731	30	85m	15u	3.0m	20n	100n	30	1.5M	24	10k	10	93	500m	80	5C	A042f		TO99	
17	VA5B10739	30	85m	15u	3.0m	20n	100n	30	1.5M	24	10k	10	93	500m	80	07	A042f		TO99	
18	SSS741GL	30	85m	15u	6.0m	50n	200n	24	1.0M	24	10k	3.0M	94	1.4	70	5C	A172		TO91	
19	SSS841CJ	30	85m	15u	6.0m	50n	200n	24	1.0M	24	10k	700k	94	350m	70	07			TO99	
20	SSS841CP	30	85m	15u	6.0m	50n	200n	24	1.0M	24	10k	700k	94	350m	70	07			TO116	
21	SSS841GJ	30	85m	15u	6.0m	50n	200n	24	1.0M	24	10k	700k	94	350m	70	5C			TO99	
22	SSS841GL	30	85m	15u	6.0m	50n	200n	24	1.0M	24	10k	700k	94	350m	70	5C			TO91	
23	SSS841GP	30	85m	15u	6.0m	50n	200n	24	1.0M	24	10k	700k	94	350m	70	5C			TO116	
24	SSS741CL	30	85m	15u	7.5m	50n	200n	24	1.0M	24	10k	3.0M	86	1.4	70	07	A172		TO91	
25	ULN2151G	30	85m	07	6.5m	50n	350n	22	400k	20	2.0k	6.0k	88	400m	75	59	A172		FPZ	
26	NE530A	30	86m		7.5m	300n	800n	24	300k	20	2.0k	1.0M	86	500m	70	07			TO116	
27	841CE	30	88m		7.5m	300n	800n	24	300k	24	10k	1.0M	94	500m	70	0A	A112a		TO99	
28	RC101ACD	30	90m					30		24			103		07	A090		14-5		
29	RC101ACQ	30	90m					30		24			103		07	A090		FP2k		
30	RC101ACT	30	90m					30		24			103		07	A090		TO99		
31	RC1101ACD	30	90m					30		24			103		07	A090		14-5		
32	RC1101ACQ	30	90m					30		24			103		07	A090		FP2k		
33	RC1101ACT	30	90m					30		24			103		07	A090		TO99		
34	RM1101AD	30	90m		3.0m		30n	30	4.0M	24			104		5C	A090		14-5		
35	RM1101AQ	30	90m		3.0m		30n	30	4.0M	24			104		5C	A090		FP2k		
36	RM1101AT	30	90m		3.0m		30n	30	4.0M	24			104		5C	A090		TO99		
37	ULS2172D	30	90m		3.5m	17n	40n	24	8.0M	20	2.0k	15k	94	1.0	85	5C	A174b		TO99	
38	ULS2172G	30	90m		3.5m	17n	40n	24	8.0M	20	2.0k	15k	94	1.0	85	5C	A172a		FPZ	
39	ULS2172H	30	90m		3.5m	17n	40n	24	8.0M	20	2.0k	15k	94	1.0	85	5C	A173d		MPZ	
40	ULS2172M	30	90m		3.5m	17n	40n	24	8.0M	20	2.0k	15k	94	1.0	85	5C	A200		MPZ	
41	2740BE	30	90m		5.0m	5.0n	10n	20	100M	20	2.0k	90		60	5C	A311		TO99		
42	ULS2171D	30	90m		5.0m	17n	40n	24	8.0M	20	2.0k	15k	94	1.0	85	5C	A174		TO99	
43	ULS2171G	30	90m		5.0m	17n	40n	24	8.0M	20	2.0k	15k	94	1.0	85	5C	A172		FPZ	
44	ULS2171H	30	90m		5.0m	17n	40n	24	8.0M	20	2.0k	15k	94	1.0	85	5C	A173e		MPZ	
45	ULS2171M	30	90m		5.0m	17n	40n	24	8.0M	20	2.0k	15k	94	1.0	85	5C	A200a		MPZ	
46	ID4301A	30	90m		7.5m	50n	250n	24	500k	20	10m	500k	88	400m	70	07	A090		TO99	
47	2740CE	30	90m		10m	5.0n	10n	20	100M	20	2.0k	90		60	0A	A311		TO99		
48	ULN2156D	30	90m		14m	14n	40n	22	3.0M	22	2.0k	40k	97	2.5	70	29	A174		TO99	
49	ULN2156G	30	90m		14m	14n	40n	22	3.0M	22	2.0k	40k	97	2.5	70	29	A172		FPZ	
50	ULN2156H	30	90m		14m	14n	40n	22	3.0M	22	2.0k	40k	97	2.5	70	29	A173e		MPZ	
51	ULN2156M	30	90m		14m	14n	40n	22	3.0M	22	2.0k	40k	97	2.5	70	29	A200a		MPZ	
52	1412	30	90m	500n	25u		100p		1.0M	24	10m	500k	140	1.2	28			MP163		
53	9709	30	90m	500n	100u		10p		10G	20	20m	1.0M	140	300m	100	†	58			
54	AD508KH	30	90m	500n	500u	1.5n	15n	30	6.0M	20	20m	300k	120	120m	110	07	A071		TO99	
55	AD508LH	30	90m	1.0u	500u	1.5n	15n	30	6.0M	20	20m	300k	120	120m	110	07	A071		TO99	
56	007A3	30	90m	2.0u	200u	20n	150n	20	500k	20	10m	2.0M	88	1.0	94	58			FP1	
57	207A3	30	90m	2.0u	200u	20n	150n	20	500k	20	10m	2.0M	88	1.0	94	58			CN2	
58	007A4	30	90m	3.0u	200u	20n	150n	20	500k	20	10m	2.0M	88	1.0	94	58			FP1	
59	207A4	30	90m	3.0u	200u	20n	150n	20	500k	20	10m	2.0M	88	1.0	94	58			CN2	
60	3003-15	30	90m	3.0u	400u		10n	20	500k	20	40m	1.2M	104	1.2	80	†	28		MP287a	
61	9814	30	90m	3.0u	500u	4.0n	40n	20	2.0M	20	1.0k	700k	110	300m	40	58			MP55k	
62	3500CN	30	90m	3.0u	1.0m	7.0n	15n	22	10M	20	20m	1.5M	93	1.0	100	†	28		8-1b	
63	844BE	30	90m	3.0u	3.0m	10n	60n	27	25M	24	10k	100	1.0	80	5C	A295		TO99		
64	844BL	30	90m	3.0u	3.0m	10n	60n	27	25M	24	10k	100	1.0	80	5C	A295		TO116		
65	845BE	30	90m	3.0u	3.0m	10n	60n	24	25M	24	10k	100	500m	80	5C	A295		TO99		
66	845BL	30	90m	3.0u	3.0m	10n	60n	24	25M	24	10k	100	500m	80	5C	A295		TO116		
67	846BE	30	90m	3.0u	3.0m	10n	60n	27	25M	24	10k	100	1.0	80	5C	A296		TO99		
68	846BL	30	90m	3.0u	3.0m	10n	60n	27	25M	24	10k	100	1.0	80	5C	A296		TO116		
69	SE530FEZ	30	90m	3.0u	3.0m	80n	100n	24	10M	24	10k	3.0M	94	†	18	70	5C	A423	8-11m	
70	SE530NZ	30	90m	3.0u	3.0m	80n	100n	24	10M	24	10k	3.0M	94	†	18	70	5C	A423	8-11m	
71	SE530FZ	30	90m	3.0u	3.0m	80n	100n	24	10M	24	10k	3.0M	94	†	18	70	5C	A423c	14-12i	
72	SE530N-14Z	30	90m	3.0u	3.0m	80n	100n	24	10M	24	10k	3.0M	94	†	18	70	5C	A423c	14-12i	
73	007A	30	90m	5.0u	200u	20n	150n	20	500k	20	10m	2.0M	88	1.0	94	5C			FP1	
74	207A	30	90m	5.0u	200u	20n	150n	20	500k	20	10m	2.0M	88	1.0	94	5C			CN2	
75	007B	30	90m	5.0u	500u	20n	150n	20	500k	20	10m	2.0M	88	1.0	94	5C			FP1	
76	207B	30	90m	5.0u	500u	20n	150n	20	500k	20	10m	2.0M	88	1.0	94	5C			CN2	
77	3004-15	30	90m	5.0u	500u	10n	10n	20	500k	20										

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINEAR

LINE No.	TYPE No.	PWR SUP @ 25°C		INPUT CHARACTERISTICS						MIN. OUTPUT CHAR. @ 25°C		MIN TRANSFER CHAR @ 25°C				DRAWINGS		
		1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	OVER OPERATING TEMP. RANGE		MIN. @ 25°C		P-P VOLT. (ΔV)	P-P CUR. (ΔA)	3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	E O M D	T C	P E	C K T.	O U T- L I N E Δ = M O
				3 MAX VOLTAGE DRIFT (V/°C)	4 OFFSET (V)	5 MAX CURRENT (A)	6 BIAS (A)											
1	LM301D	30	90m	10u	10m	750n	2.0u	24	150k	24	10k	100	83		65	07	A012	14-21
2	LM301H	30	90m	10u	10m	750n	2.0u	24	150k	24	10k	100	83		65	07	A012	T099
3	RC101CD	30	90m	10u	10m	500n	2.0u	24	150k	24		100	83		65	07	A012	14-5
4	RC101CQ	30	90m	10u	10m	500n	2.0u	24	150k	24		100	83		65	07	A012	FP2k
5	RC101CT	30	90m	10u	10m	500n	2.0u	24	150k	24		100	83		65	07	A012	T099
6	RC4101D	30	90m	10u	10m	750n	2.0u	24	150k	24	10k	10	83		65	07	A001	14-5
7	RC4101Q	30	90m	10u	10m	750n	2.0u	24	150k	24	10k	10	83		65	07	A001	FP2k
8	RC4101T	30	90m	10u	10m	750n	2.0u	24	150k	24	10k	10	83		65	07	A001	T099
9	ZC741E1	30	90m	15u	10m	75n	75n	20	2.0M	20	10m	1.2M	100	2.0	80	28	A166	MP238
10	ZC741E6	30	90m	15u	10m	75n	75n	20	2.0M	20	10m	1.2M	100	2.0	80	5C	A166	MP238
11	O08A3	30	90m	15u	10m	1.0m	5.0p	20	100G	20	10m	4.0M	100	3.0	76	↑	28	FP1
12	LM201AL	30	90m	15u	3.0m	20n	100n	30	1.5M	24	10k	94			80	28	A351b	CN1k
13	RM4101AD	30	90m	15u	3.0m	20n	100n	30	4.0M	24	10k	94			80	5C	A090	14-5
14	RM4101AQ	30	90m	15u	3.0m	20n	100n	30	4.0M	24	10k	94			80	5C	A090	FP2k
15	RM4101AT	30	90m	15u	3.0m	20n	100n	30	4.0M	24	10k	94			80	5C	A090	T099
16	SE530T	30	90m	15u	3.0m	20n	100n	24	3.0M	24	10k	96	18		70	5C	A423a	T099
17	2709CG	30	90m	15u	4.0m	10p	20p	16	100M	20	2.0m	84			70	↑	0A	CN
18	SSS307J	30	90m	15u	7.5m	50n	200n	30	1.0M	24	10k	88	500m		70	07		T099
19	SSS307P	30	90m	15u	7.5m	50n	200n	30	1.0M	24	10k	88	500m		70	07		TO116
20	RM709ABL	30	90m	16u	2.0m	250n	600n	16	700k	24	10k	88	400m		80	5C	A003	CH46
21	RC709DN	30	90m	16u	2.0m	250n	600n	16	700k	24	10k	88	200m		80	07		14-5
22	RC709DP	30	90m	16u	2.0m	250n	600n	16	700k	24	10k	88	200m		80	07	A003	14-5
23	RM709ADC	30	90m	16u	2.0m	250n	600n	16	700k	24	10k	88	400m		80	5C	A003	14-12g
24	RM709AQ	30	90m	16u	2.0m	250n	600n	16	700k	24	10k	88	400m		80	5C	A003	FP2z
25	RM709AT	30	90m	16u	2.0m	250n	600n	16	700k	24	10k	88	400m		80	5C	A003	T099
26	1035-01	30	90m	20u	1.0m	75f	75f	20	10T	20	10m	700k	100	3.0	86	07		MP508w
27	1413	30	90m	20u	2.0m	2.5n	10n	24	10M	22	10m	10k	83	600m	86	↑	28	T099
28	3500AN	30	90m	20u	5.0m	15n	30n	22	10M	20	20m	1.5M	93	600m	100	↑	28	8-1b
29	ZA802M2	30	90m	20u	5.0m	5.0p	5.0p	20	100G	20	7.0m	2.0M	100	6.0	100	↑	28	MP5bf
30	OP01GL	30	90m	20u	6.0m	40n	200n	24	4.0M	25	5.0k	2.5M	88	18	80	5C	A172	FP2y
31	RC4101AD	30	90m	20u	6.0m	30u	300u	30	500k	24	10k	88			70	07	A090	14-5
32	RC4101AQ	30	90m	20u	6.0m	30u	300u	30	500k	24	10k	88			70	07	A090	FP2k
33	RC4101AT	30	90m	20u	6.0m	30u	300u	30	500k	24	10k	88			70	07	A090	T099
34	SSS301AJ	30	90m	20u	10m	50n	200n	27	1.0M	24	10k	1.0M	88	400m	70	07		T099
35	SSS301AP	30	90m	20u	10m	50n	200n	27	1.0M	24	10k	1.0M	88	400m	70	07		TO116
36	O08A	30	90m	25u	1.0m	5.0p	5.0p	20	100G	20	10m	4.0M	100	3.0	76	↑	28	FP1
37	O08B	30	90m	25u	1.0m	10p	10p	20	100G	20	10m	4.0M	100	3.0	76	↑	28	FP1
38	1428-01	30	90m	25u	1.0m	2.0p	10p	20	1.0T	20	10m	1.0M	100	3.0	80	28		FP
39	1428-02	30	90m	25u	1.0m	1.0p	5.0p	20	1.0T	20	10m	1.0M	100	3.0	80	28		FP
40	1429-01	30	90m	30u	1.0m	100f	500f	20	10T	20	10m	500k	94	3.0	80	↑	07	T099
41	JANM38510/11005AAA*	30	90m	30u	7.0m	75n	300n	28		26	2.0k		94	1.0	76	5C	A451	FP24d
42	JANM38510/11005AAB*	30	90m	30u	7.0m	75n	300n	28		26	2.0k		94	1.0	76	5C	A451	FP24d
43	JANM38510/11005AAC*	30	90m	30u	7.0m	75n	300n	28		26	2.0k		94	1.0	76	5C	A451	FP24d
44	JANM38510/11005ACA*	30	90m	30u	7.0m	75n	300n	28		26	2.0k		94	1.0	76	5C	A451	FP24d
45	JANM38510/11005ACB*	30	90m	30u	7.0m	75n	300n	28		26	2.0k		94	1.0	76	5C	A451	14-19
46	JANM38510/11005ACC*	30	90m	30u	7.0m	75n	300n	28		26	2.0k		94	1.0	76	5C	A451	14-19
47	JANM38510/11005ADA*	30	90m	30u	7.0m	75n	300n	28		26	2.0k		94	1.0	76	5C	A451	14-19
48	JANM38510/11005ADB*	30	90m	30u	7.0m	75n	300n	28		26	2.0k		94	1.0	76	5C	A451	FP25
49	JANM38510/11005ADC*	30	90m	30u	7.0m	75n	300n	28		26	2.0k		94	1.0	76	5C	A451	FP25
50	JANM38510/11005BAA*	30	90m	30u	7.0m	75n	300n	28		26	2.0k		94	1.0	76	5C	A451	FP25
51	JANM38510/11005BAB*	30	90m	30u	7.0m	75n	300n	28		26	2.0k		94	1.0	76	5C	A451	FP24d
52	JANM38510/11005BAC*	30	90m	30u	7.0m	75n	300n	28		26	2.0k		94	1.0	76	5C	A451	FP24d
53	JANM38510/11005BCA*	30	90m	30u	7.0m	75n	300n	28		26	2.0k		94	1.0	76	5C	A451	FP24d
54	JANM38510/11005BCB*	30	90m	30u	7.0m	75n	300n	28		26	2.0k		94	1.0	76	5C	A451	14-19
55	JANM38510/11005BCC*	30	90m	30u	7.0m	75n	300n	28		26	2.0k		94	1.0	76	5C	A451	14-19
56	JANM38510/11005BDA*	30	90m	30u	7.0m	75n	300n	28		26	2.0k		94	1.0	76	5C	A451	14-19
57	JANM38510/11005BDB*	30	90m	30u	7.0m	75n	300n	28		26	2.0k		94	1.0	76	5C	A451	FP25
58	JANM38510/11005BDC*	30	90m	30u	7.0m	75n	300n	28		26	2.0k		94	1.0	76	5C	A451	FP25
59	JANM38510/11005CAA*	30	90m	30u	7.0m	75n	300n	28		26	2.0k		94	1.0	76	5C	A451	FP25
60	JANM38510/11005CAB*	30	90m	30u	7.0m	75n	300n	28		26	2.0k		94	1.0	76	5C	A451	FP24d
61	JANM38510/11005CAC*	30	90m	30u	7.0m	75n	300n	28		26	2.0k		94	1.0	76	5C	A451	FP24d
62	JANM38510/11005CCA*	30	90m	30u	7.0m	75n	300n	28		26	2.0k		94	1.0	76	5C	A451	FP24d
63	JANM38510/11005CCB*	30	90m	30u	7.0m	75n	300n	28		26	2.0k		94	1.0	76	5C	A451	14-19
64	JANM38510/11005CCC*	30	90m	30u	7.0m	75n	300n	28		26	2.0k		94	1.0	76	5C	A451	14-19
65	JANM38510/11005CDA*	30	90m	30u	7.0m	75n	300n	28		26	2.0k		94	1.0	76	5C	A451	14-19
66	JANM38510/11005CDB*	30	90m	30u	7.0m	75n	300n	28		26	2.0k		94	1.0	76	5C	A451	FP25
67	JANM38510/11005CDC*	30	90m	30u	7.0m	75n	300n	28		26	2.0k		94	1.0	76	5C	A451	FP25
68	LM341F	30	90m	30u	7.0m	75n	300n	28		26	2.0k		94	1.0	76	5C	A451	FP25
69	LM341H	30	90m	30u	7.5m	20n	100n	24	1.5M	24	10k	94	1.0	70	07		T091	
70	LM341J	30	90m	30u	7.5m	20n	100n	24	1.5M	24	10k	94	1.0	70	07		T099	
71	LM342F	30	90m	30u	7.5m	20n	100n	24	1.5M	24	10k	94	1.0	70	07		TO116	
72	LM342H	30	90m	30u	7.5m	20n	100n	24	1.5M	24	10k	94	1.0	70	07		T091	
73	LM342J	30	90m	30u	7.5m	20n	100n	24	1.5M	24	10k	94	1.0	70	07		T099	
74	HA2A2301A	30	90m	30u	7.5m	20n	100n	24	1.5M	24	10k	94	1.0	70	07		A001	
75	HA9W2301A	30	90m	30u	10m	70n	300n	24	500k	24	10k	86			70	07	A090	T099
76	LA301AH	30	90m	30u	10m	70n	300n	24	500k	20	2.0k	800k	87	400m	70	07	A001	CN1c
77	LA301AN	30	90m	30u	10m	70n	300n	24	500k	20	2.0k							

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	TYPE No.	PWR SUP @25°C		INPUT CHARACTERISTICS							MIN. OUTPUT		MIN TRANSFER CHAR @ 25°C				T C		DRAWINGS	
		RATED SPECS		OVER OPERATING			TEMP. RANGE		MIN. @25°C		CHAR. @25°C		3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	E O P E	M D	CKT.	OUT-LINE Δ=MO
		1 TOT VOLT. (ΔV)	2 MAX IDLE P (W)	3 DRFT (V/°C)	4 V (V)	5 OFFSET (A)	BIAS (A)	CM RANGE (ΔV)	DIFF IMP. (Ω)	P-P VOLT. (ΔV)	P-P CUR. (ΔA)									
1	LM307D	30	90m	30u	10m	70n	300n	24	500k	24	10kΩ	88			70	07	A235	14-32		
2	LM307F	30	90m	30u	10m	70n	300n	24	500k	24	10kΩ	88			70	07	A235	FP37		
3	LM307N8	30	90m	30u	10m	70n	300n	24	500k	24	10kΩ	88			70	07	A235	8-15		
4#	MT301A	30	90m	30u	10m	70n	300n	24	500k	24	10kΩ	87	1.0m	1.0	70	07		CN1c		
5#	MT307	30	90m	30u	10m	70n	300n	24	500k	24	10kΩ	87			70	07		CN1c		
6	N53A1A	30	90m	30u	10m	70n	300n	24	500k	24	10kΩ	87			70	07	A090	14-12		
7	N53A1T	30	90m	30u	10m	70n	300n	24	500k	24	10kΩ	87			70	07	A090	CN1g		
8	N53A1V	30	90m	30u	10m	70n	300n	24	500k	24	10kΩ	87			70	07	A090	8-5		
9	SN72301AFA	30	90m	30u	10m	70n	300n	24	500k	24	10kΩ	88			70	07	A150	FP22		
10	SN72307FA	30	90m	30u	10m	70n	300n	24	500k	24	10kΩ	88			70	07	A151	FP22		
11	SN72307JA	30	90m	30u	10m	70n	300n	24	500k	24	10kΩ	88			70	07	A151	14-25		
12	T301AF	30	90m	30u	10m	70n	300n	24	500k	24	10kΩ	88	100 ↑		70	07	A172a	TO91		
13	T301AJ	30	90m	30u	10m	70n	300n	24	500k	24	10kΩ	100 ↑			70	07	A173a	TO116		
14	T301AV	30	90m	30u	10m	70n	300n	24	500k	24	10kΩ	100 ↑			70	07	A174b	TO99		
15	T307F	30	90m	30u	10m	70n	300n	24	500k	24	10kΩ	10			70	07	A172b	TO91		
16	T307J	30	90m	30u	10m	70n	300n	24	500k	24	10kΩ	10			70	07	A173b	TO116		
17	T307V	30	90m	30u	10m	70n	300n	24	500k	24	10kΩ	10			70	07	A174c	TO99		
18	TOA301AE	30	90m	30u	10m	70n	300n	24	500k	24	10kΩ	100 ↑			70	07	A173a	14-4j		
19	TOA307E	30	90m	30u	10m	70n	300n	24	500k	24	10kΩ	10			70	07	A173b	14-4j		
20	UC4301A	30	90m	30u	10mΔ	70n	300n	24	500k	20	2.0kΩ	500kΩ	87	400mt	70	07	A090	TO99		
21	9813	30	90m	30u	25mΔ	20n	50n	20	3.0M	20	16m	1.0MΩ	90	2.0	30	58		MP5bk		
22	134	30	90m	50u	20p	20p	100p	14	100G	20	8.0m	1.3MΩ	112	6.0	60	28		MP6g		
23	ZA801E1	30	90m	50u	Δ	25p	25p	20	100G	20	7.0m	4.0MΩ	100	6.0	80	28		MP238		
24	1428	30	90m	50u	2.0m	5.0p	25p	20	100G	20	10m	1.0MΩ	100	3.0	72	28		FPZ		
25	1422	30	90m	50u	15m	5.0p	50p	24	100G	20	20m	5.0MΩ	94	8.0	72	28		TO99		
26	1422-01	30	90m	50u	15m	2.0p	15p	24	100G	20	20m	5.0MΩ	100	8.0	72	28		TO99		
27	1429-02	30	90m	60u	1.0m	100f	250f	20	10T	20	10m	500kΩ	94	3.0	80	07		TO99		
28	008C	30	90m	75u	2.0m	25p	25p	20	100G	20	10m	4.0MΩ	100	3.0	76	28		FP1		
29	1429	30	90m	90u	30m	100f	1.0p	20	10T	20	10m	500kΩ	86	3.0	80	07		TO99		
30	134A	30	90m	100u	Δ	100p	100p	14	100G	20	8.0m	1.3MΩ	112	6.0	60	28		MP59		
31	134D	30	90m	100u	Δ	20p	100p	14	100G	20	8.0m	1.3MΩ	112	6.0	60	28		MP6g		
32	9827	30	90m	100u	20m	30u	50u	20	10k	20	40m	30MΩ	80	10	120	5A		MP5cg		
33	ULN2171D	30	95m	6.5m	30n	75n	24	2.0M	20	2.0kΩ	10k	88	800m	80	07		A174			
34	ULN2171G	30	95m	6.5m	30n	75n	24	2.0M	20	2.0kΩ	10k	88	800m	80	07	A172	FPZ			
35	ULN2171H	30	95m	6.5m	30n	75n	24	2.0M	20	2.0kΩ	10k	88	800m	80	07	A173e	MPZ			
36	ULN2171M	30	95m	6.5m	30n	75n	24	2.0M	20	2.0kΩ	10k	88	800m	80	07	A200a	MPZ			
37	ULN2172D	30	95m	6.5m	30n	75n	24	2.0M	20	2.0kΩ	10k	88	800m	80	59	A174b	TO99			
38	ULN2172G	30	95m	6.5m	30n	75n	24	2.0M	20	2.0kΩ	10k	88	800m	80	59	A172a	FPZ			
39	ULN2172H	30	95m	6.5m	30n	75n	24	2.0M	20	2.0kΩ	10k	88	800m	80	59	A173d	MPZ			
40	ULN2172M	30	95m	6.5m	30n	75n	24	2.0M	20	2.0kΩ	10k	88	800m	80	59	A200	MPZ			
41	1320	30	95m	20u	5.0m	20n	50n	24	8.0M	26	10m	10k	88	800m	80	5A		CN1d		
42#	MA777CJ	30	100m	30u	5.0m	40n	40n	24	1.0M	24	10kΩ	88	5.5 ↑	70	07		A186b	14-8b		
43#	MA777CJG	30	100m	30u	5.0m	40n	40n	24	1.0M	24	10kΩ	88	5.5 ↑	70	07		A186b	8-11d		
44	LM747-1D*	30	100m	6.0m	500n	1.5u	24	300k	24	10kΩ	94	500mt	70	5C	A440a	14-48				
45	LM747-1H*	30	100m	6.0m	500n	1.5u	24	300k	24	10kΩ	94	500mt	70	5C	A440a	CN10r				
46	LM747-1J*	30	100m	6.0m	500n	1.5u	24	300k	24	10kΩ	94	500mt	70	5C	A440a	14-49				
47	SN52741FA	30	100m	6.0m	500n	1.5u	24	300k	24	10kΩ	94	500mt	70	5C	A154	FP22				
48	SN52741JA	30	100m	6.0m	500n	1.5u	24	300k	24	10kΩ	94	500mt	70	5C	A154	14-25				
49	SN52747N	30	100m	6.0m	500n	1.5u	24	300k	24	10kΩ	94	500mt	70	5C	A154a	14-4h				
50	uA4136H	30	100m	6.0m	500n	1.5u	24	300k	24	10kΩ	94	1.5 ∅	70	5C		CN1d				
51	SN72741FA	30	100m	7.5m	300n	800n	24	300k	24	10kΩ	86	500mt	70	07	A154	FP22				
52	2740DE	30	100m	3.0u	20m	5.0n	10n	20	50M	20	2.0kΩ	86		60	0A	A311	TO99			
53	WM101T	30	100m	1.0m	40n	12u	24	800k	26	13m	50	100	90	5C	A012	CN18b				
54	811CE	30	100m	5.0u	10m	.35u	1.5u	20	50k	20	5.0kΩ	80		90	0A	A021	TO99			
55	811CJ	30	100m	5.0u	10m	.35u	1.5u	20	50k	20	5.0kΩ	80		90	0A	A021	14-3			
56	47B	30	100m	15u	Δ	2.0n	2.0n	22	100G	20	40m	10M	100	50	100	28		MP5s		
57	47T	30	100m	15u	Δ	2.0n	2.0n	22	100G	20	40m	10M	100	50	100	58		MP5s		
58#	MA777ML	30	100m	15u	3.0m	10n	75n	24	2.0M	24	10kΩ	94	5.5 ↑	80	5C	A186a	TO99			
59#	MA777MP	30	100m	15u	3.0m	10n	75n	24	2.0M	24	10kΩ	94	5.5 ↑	80	5C	A186a	8-10			
60	SN52777FA	30	100m	15u	3.0m	10n	75n	24	2.0M	24	10kΩ	94	5.5 ↑	80	5C	A186	FP2t			
61	SN52777JA	30	100m	15u	3.0m	10n	75n	24	2.0M	24	10kΩ	94	5.5 ↑	80	5C	A186b	14-25			
62	2809CG	30	100m	25u	8.0m	10p	20p	20	100M	20	5.0m	80		70	0A		CNZ			
63#	MA777CL	30	100m	30u	5.0m	40n	200n	24	1.0M	24	10kΩ	88	5.5 ↑	70	07	A186b	TO99			
64#	MA777CN	30	100m	30u	5.0m	40n	200n	24	1.0M	24	10kΩ	88	5.5 ↑	70	07	A186b	14-4h			
65#	MA777CP	30	100m	30u	5.0m	40n	200n	24	1.0M	24	10kΩ	88	5.5 ↑	70	07	A186a	8-7			
66#	MA777MJ	30	100m	30u	5.0m	40n	200n	24	1.0M	24	10kΩ	88	5.5 ↑	70	07	A186b	14-8b			
67#	MA777MJJ	30	100m	30u	5.0m	40n	200n	24	1.0M	24	10kΩ	88	5.5 ↑	70	07	A186b	8-11d			
68	SN72777FA	30	100m	30u	5.0m	40n	200n	24	1.0M	24	10kΩ	88	5.5 ↑	70	07	A186	FP2t			
69	SN72777JA	30	100m	30u	5.0m	40n	200n	24	1.0M	24	10kΩ	88	5.5 ↑	70	07	A186b	14-25			
70	47S	30	100m	50u	Δ	2.0n	2.0n	22	100G	20	40m	10M	100	50	100	58		MP5s		
71	809CE	30	100m	50u	10m	.50u	1.5u	20	50k	20	5.0kΩ	1.0k	80		90	0A	A019	TO99		
72	809CH	30	100m	50u	10m	.50u	1.5u	20	50k	20	5.0kΩ	1.0k	80		90	0A	A019	FP5		
73	809CJ	30	100m	50u	10m	.50u	1.5u	20	50k	20	5.0kΩ	1.0k	80		90	0A	A019	14-3		
74	810CH	30	100m	50u	10m	.35u	1.5u	20	50k	20	5.0kΩ	1.0k	80		90	0A	A021a	FP6		
75	810CJ	30	100m	50u	10m	.35u	1.5u	20	50k	20	5.0kΩ	1.0k	80		90	0A	A021a	14-3		
76	A980	30	104m	200n	20u	50p	150p	20	1.0G	20	20m	3.0MΩ	58	2.5	120	07	A372	TO99		
77	CTS862	30	105m	60m	15u	60u	22	20k	22	200m	10M	60	4.0	50	56	A088	CN8f			
78	LM725AJ	30	105m	2.0u	700u	18n	180n	27	1.5M	24	2.0kΩ	58		110	5C	A356c	8-21			
79	LM725D	30	105m	5.0u	1.5m	20n	100n	27	1.5M											

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINEAR

LINE No.	TYPE No.	PWR SUP @ 25°C		INPUT CHARACTERISTICS						MIN. OUTPUT CHAR. @ 25°C		MIN TRANSFER CHAR @ 25°C			DRAWINGS			
		1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	OVER OPERATING TEMP. RANGE			MIN. @ 25°C			P-P VOLT. (ΔV)	P-P CUR. (ΔA)	3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/μS)	CMRR (dB)	T E M P E	C D K T.	OUT-LINE Δ=MO
				3 DRFT (V/°C)	4 OFST (V)	MAX VOLTAGE	MAX CURRENT	CM RANGE (ΔV)	DIFF IMP. (Ω)									
1	MIC709AD	30	108m	25u	3.0m	50ns	200ns	16	350k	24	10k∅	10k	88	300mf	80	5C	A003	14-2m
2	T4709F	30	108m	25u	3.0m	250n	600n	16	350k	24	10k∅	10k	88	300mf	80	5C	A003	TO91
3	T4709J	30	108m	25u	3.0m	250n	600n	16	350k	24	10k∅	10k	88	300mf	80	5C	A003	TO116
4	T4709V	30	108m	25u	3.0m	250n	600n	16	350k	24	10k∅	10k	88	300mf	80	5C	A003	TO99
5	TOA4709	30	108m	25u	3.0m	.25u	.60u	16	350k	24	10k∅	10k	88	30 f	80	5C	A003	TO79
6	JANM38510/11001AAA*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP24d
7	JANM38510/11001AAB*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP24d
8	JANM38510/11001AAC*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP24d
9	JANM38510/11001ACA*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP24d
10	JANM38510/11001ACB*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	14-19
11	JANM38510/11001ACC*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	14-19
12	JANM38510/11001ADA*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP25
13	JANM38510/11001ADB*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP25
14	JANM38510/11001ADC*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP25
15	JANM38510/11001BAA*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP24d
16	JANM38510/11001BAB*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP24d
17	JANM38510/11001BAC*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP24d
18	JANM38510/11001BCC*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP24d
19	JANM38510/11001BDA*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	14-19
20	JANM38510/11001BDB*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP25
21	JANM38510/11001BDC*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP25
22	JANM38510/11001CAA*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP25
23	JANM38510/11001CAB*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP24d
24	JANM38510/11001CAC*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP24d
25	JANM38510/11001CCC*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	14-19
26	JANM38510/11001CDA*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP25
27	JANM38510/11001CDB*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP25
28	JANM38510/11001CDC*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP25
29	JANM38510/11002AAA*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP24d
30	JANM38510/11002AAB*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP24d
31	JANM38510/11002AAC*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP24d
32	JANM38510/11002ACA*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	14-19
33	JANM38510/11002ACB*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	14-19
34	JANM38510/11002ACC*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	14-19
35	JANM38510/11002ADA*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP25
36	JANM38510/11002ADB*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP25
37	JANM38510/11002ADC*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP25
38	JANM38510/11002BAA*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP24d
39	JANM38510/11002BAB*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP24d
40	JANM38510/11002BAC*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP24d
41	JANM38510/11002BCA*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	14-19
42	JANM38510/11002BCB*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	14-19
43	JANM38510/11002BCC*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	14-19
44	JANM38510/11002BDA*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP25
45	JANM38510/11002BDB*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP25
46	JANM38510/11002BDC*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP25
47	JANM38510/11002CAA*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP24d
48	JANM38510/11002CAB*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP24d
49	JANM38510/11002CAC*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP24d
50	JANM38510/11002CCA*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	14-19
51	JANM38510/11002CCB*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	14-19
52	JANM38510/11002CCC*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	14-19
53	JANM38510/11002CDA*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP25
54	JANM38510/11002CDB*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP25
55	JANM38510/11002CDC*	30	108m	25u	6.0m	75n	325n	30		32	10k∅		94	200m	76	5C	A451	FP25
56	HA1-2600	30	110m	10uf	4.0m	30n	30n	22	100M	20	20m	12Mf∅	100	4.0	80			MPZ
57	HA9-2620	30	110m	10uf	4.0m	30n	30n	22	100M	20	20m	35Mf∅	100	25	80	5C		TO86
58	RA2600-2	30	110m	10uf	4.0m	30n	30n	22	100M	20	20m	12Mf∅	100	4.0	80	5C		TO99
59	RA2600-5	30	110m	10uf	4.0m	30n	30n	22	100M	20	20m	12Mf∅	100	4.0	80	5C		TO86
60	RA2620-5	30	110m	10uf	4.0m	30n	30n	22	100M	20	20m	35Mf∅	100	25	80	5C		TO99

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	TYPE No.	PWR SUP @ 25°C		INPUT CHARACTERISTICS							MIN. OUTPUT CHAR. @ 25°C		MIN TRANSFER CHAR @ 25°C				T C E O M P D E	DRAWINGS	OUT-LINE Δ=MO
		1) TOT. VOLT. (ΔV)	2) MAX IDLE P (W)	OVER OPERATING TEMP. RANGE			MIN. @ 25°C		P-P VOLT. (ΔV)	P-P CUR. (ΔA)	3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/μS)	CMRR (dB)	C K T.				
				3) MAX VOLTAGE (V)	4) OFFSET (V)	5) MAX CURRENT (A)	CM RANGE (ΔV)	DIFF IMP. (Ω)											
1	RA2600-1	30	110m	15u	4.0m	10n	30n	22	100k	20	30	100	100k	4.0	80	5C		TO86	
2	RA2605-2	30	110m	15u	7.0m	40n	40n	22	40M	20	20m	12M	100	4.0	74	07		TO99	
3	RA2605-5	30	110m	15u	7.0m	40n	40n	22	40M	20	20m	12M	100	4.0	74	07		TO86	
4	RA2625-5	30	110m	15u	7.0m	40n	40n	22	40M	20	20m	35M	100	2.0	74	07		TO99	
5	RA2601-1	30	110m	25u	6.0m	25n	75n	22	40k	20	20	100	70k	4.0	74	07		TO86	
6	RA2601-2	30	110m	25u	6.0m	25n	75n	22	40k	20	20	100	70k	4.0	74	07		TO100	
7	HA9-2600	30	111m	5.0u	6.0m	30n	30n	22	100M	20	30m	12M	100	4.0	80	5C	A232	TO91	
8	P85A	30	120m			50n		22	330k	22	4.4m	2.0M	93	600m	86	28		CB1a	
9	PP45U	30	120m			100n		22	100k	20	40m	100M	93	200	60	28		MP6b	
10	PP85A	30	120m			100n		22	330k	22	4.4m	2.0M	93	600m	86	28		MP6b	
11	SN72771L	30	120m		1.4m	14n	40n	22	100M	22	2.0k	1.3M	90	2.5	70	07	A185	TO99	
12	RM709BL	30	120m		4.0m	300n	1.0u	16	220k	24	10	1.0M	88	400m	70	5C	A003	CH46	
13	835BJ*	30	120m		5.0m	30n	300n	30		20	2.0k	1.0M	94	600m	70	5C	A310	8-1b	
14	835BL*	30	120m		5.0m	30n	300n	30		20	2.0k	1.0M	94	600m	70	5C	A310	TO116	
15	836BJ*	30	120m		5.0m	30n	300n	30		20	2.0k	1.5M	94	800m	70	5C	A310	8-1b	
16	836BL*	30	120m		5.0m	30n	300n	30		20	2.0k	1.5M	94	800m	70	5C	A310	TO116	
17	RM3503DC*	30	120m		5.0m	50n	500n	36		26	2.0k	1.0M	94	600m	70	5C	A300	14-12g	
18	HA2-2605-2	30	120m		7.0m	40n	40u	22	40M	20	20m	12m	98	8.0	74	07	A232	TO99	
19	HA2-2625-2	30	120m		7.0m	40n	40n	22	40M	20	20m	100m	98	2.0	74	07	A232	TO99	
20	HA9-2602	30	120m		7.0m	60n	60n	22	40M	20	20m	12M	98	4.0	74	07	A232	TO91	
21	HA9-2605	30	120m		7.0m	40n	40n	22	40M	20	20m	12M	98	4.0	74	07	A232	TO91	
22	SN52770FA	30	120m		7.0m	5.0n	35n	24	100M	24	2.0k			2.5	70	07	A184	FP22	
23	SN52770JA	30	120m		7.0m	5.0n	35n	24	100M	24	2.0k			2.5	70	07	A184	14-25	
24	SN52770JP	30	120m		7.0m	5.0n	35n	24	100M	24	2.0k			2.5	70	07	A184	8-10	
25	SN52771FA	30	120m		7.0m	5.0n	35n	24		24	2.0k	1.3M	94	2.5	70	07	A185	FP22	
26	SN52771JA	30	120m		7.0m	5.0n	35n	24		24	2.0k	1.3M	94	2.5	70	07	A185	14-25	
27	SN52771JP	30	120m		7.0m	5.0n	35n	24		24	2.0k	1.3M	94	2.5	70	07	A185	8-10	
28	MC1456CPI	30	120m		12m	30n	90n	21	3.0M	20	2.0k	1.0M	88	2.5	110	07	A100	8-12	
29	SN72770FA	30	120m		14m	14n	40n	22	100M	22	2.0k			2.5	70	07	A184	FP22	
30	SN72770JA	30	120m		14m	14n	40n	22	100M	22	2.0k			2.5	70	07	A184	14-25	
31	SN72770L	30	120m		14m	14n	40n	22	100M	22	2.0k	1.3M	90	2.5	70	07	A184	TO99	
32	SN72770N	30	120m		14m	14n	40n	22	100M	22	2.0k	1.3M	90	2.5	70	07	A184	14-4h	
33	SN72770P	30	120m		14m	14n	40n	22	100M	22	2.0k	1.3M	90	2.5	70	07	A184	8-7	
34	SN72771FA	30	120m		14m	14n	40n	22		22	2.0k	1.3M	91	2.5	70	07	A185	FP22	
35	SN72771JA	30	120m		14m	14n	40n	22		22	2.0k	1.3M	91	2.5	70	07	A185	14-25	
36	SN72771N	30	120m		14m	14n	40n	22	100M	22	2.0k	1.3M	90	2.5	70	07	A185	14-4h	
37	SN72771P	30	120m		14m	14n	40n	22	100M	22	2.0k	1.3M	90	2.5	70	07	A185	8-7	
38	A180B	30	120m	500n	100u	4.0n	4.0n	20	5.0M	20	2.5m	1.0M	109	600m	100	28	A053a	MP5f	
39	A180K	30	120m	500n	100u	4.0n	4.0n	20	5.0M	20	2.5m	1.0M	109	600m	100	28	A053a	MP5f	
40	10M3	30	120m	500n	100m	40p	100m	26	1.0M	100m	470k		54		58		MP112		
41	OP07AL	30	120m	600n	60u	4.0n	4.0n	26	30M	25	10k		109	170m	110	5C	A261a	FP27	
42	uA714ADM	30	120m	600n	60u	4.0n	4.0n	26	200	25	10k	1.2M	107	250m	110	5C		14-23	
43	SSS725AL	30	120m	800n	180u	4.0n	120n	27	800k	25	10k		120		120	5C	A356b	FP2y	
44	OP05AL	30	120m	900n	240u	4.0n	4.0n	27	30M	25	10k		109	170m	114	5C	A261a	FP2y	
45	9815	30	120m	1.0u	30u	10n	100n	20	1.0M	20	20m	200k	120	300	100	58		MP268	
46	9729	30	120m	1.0u	100u	10p	30p	20	1.0T	20	40m	1.0M	140	1.0	90	58		MP268	
47	9733	30	120m	1.0u	100u	10f	100f	22	1.0T	20	40m	3.0M	100	6.0	110	59		MP268	
48	uA714ED	30	120m	1.3u	130u	5.3n	5.5n	26	160	25	10k	1.2M	106	250m	106	07		14-23	
49	uA714EH	30	120m	1.3u	130u	5.3n	5.5n	26	160	25	10k	1.2M	106	250m	106	07		CN1d	
50	OP07L	30	120m	1.3u	200u	5.6n	6.0n	26	20M	25	10k	600k	106	170m	110	5C	A261a	FP27	
51	uA714DM	30	120m	1.3u	200u	5.6n	6.0n	26	200	25	10k	1.2M	106	250m	110	5C		14-23	
52	A180J	30	120m	1.5u	250u	4.0n	4.0n	20	5.0M	20	2.5m	1.0M	109	600m	100	28	A053a	MP5f	
53	A180A	30	120m	1.5u	1.0m	4.0n	4.0n	20	5.0M	20	2.5m	1.0M	109	600m	100	28	A053a	MP5f	
54	KM52	30	120m	1.5u	1.2m	20n	4.0n	20	300k	22	40m	1.0M	101	60	80	5C		MP6a	
55	OP05L	30	120m	2.0u	700u	5.6n	6.0n	27	20M	25	10k	600k	101	170m	114	5C	A261a	FP2y	
56	SSS725L	30	120m	2.0u	700u	18n	180n	27	700k	25	10k		120		120	5C	A356b	FP2y	
57	SSS725BL	30	120m	2.8u	1.0m	14n	150n	27	700k	25	10k		120		110	28	A356b	FP2y	
58	9825	30	120m	3.0u	100u	10n	100n	20	100M	20	20m	1.0M	100	1.0	100	58		MP268	
59	AD508JH	30	120m	3.0u	2.5m	8.0n	40n	30	4.0M	20	20m	300k	88	120m	94	07	A071	TO99	
60	13303	30	120m	4.0u		25p	20	100G	20	10M	10m	1.5M	109	6.0	86	28		MP6g	
61	monoOP08EJ	30	120m	4.5u	850u	140n	700p	24	230M	25	10k	1.0M	94	15m	94	07	A174a	TO99	
62	monoOP08EP	30	120m	4.5u	850u	140n	700p	24	230M	25	10k	1.0M	94	15m	94	07		TO116	
63	monoOP08AJ	30	120m	4.5u	1.0m	330p	990p	24	230M	25	10k	1.0M	94	15m	94	5C	A174a	TO99	
64	monoOP08AL	30	120m	4.5u	1.0m	330p	990p	24	230M	25	10k	1.0M	94	15m	94	5C		TO91	
65	monoOP08AP	30	120m	4.5u	1.0m	330p	990p	24	230M	25	10k	1.0M	94	15m	94	5C		TO116	
66	16103	30	120m	5.0u		30n	150n	20	200k	20	8.0m	1.5M	98	6.0	86	28		MP57	
67	HB15	30	120m	5.0u		50p		20	100G	20	20m	1.0M	120	2.5	74	5A		MP5w	
68	LFT155H	30	120m	5.0u	1.0m	1.0n	5.0n	22	1.0T	24	10k	2.5M	94	3.0	95	5C	A361a	CN1d	
69	LFT355H	30	120m	5.0u	1.0m	1.0n	5.0n	22	1.0T	24	10k	2.5M	94	3.0	95	07	A361a	CN1d	
70	LF358ADE	30	120m	5.0u	2.0m	10p	50p	22	1.0T	24	10k	4.5M	94	12	85	07		8-11j	
71	LF355AL	30	120m	5.0u	2.3m	1.0n	5.0n	22	1.0T	24	10k	2.5M	94	3.0	85	07	A349a	CN1k	
72	LF355AN	30	120m	5.0u	2.3m	1.0n	5.0n	22	1.0T	24	10k	2.5M	96	3.0	85	07	A349	8-7d	
73	PM355AP	30	120m	5.0u	2.3m	1.0n	5.0n	20	1.0T	20	2.0k	2.5M	94	3.0	85	07	A200a	8-4c	
74	uAF355AHC	30	120m	5.0u	2.3m	1.0n	5.0n	22	1.0T	24	10k	2.5M	94	3.0	85	07	A327	TO99	
75	LF155AF	30	120m	5.0u	2.5m	10n	25n	22	1.0T	24	10k	2.5M	96	3.0	85	5C	A349b	FP2z	
76	LF155AL	30	120m	5.0u	2.5m	10n	25n	22	1.0T	24	10k	2.5M	94	3.0	85	5C	A349a	CN1k	
77	uAF155AHM	30	120m	5.0u	2.5m	10n	25n	22	1.0T	24									

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	TYPE No.	PWR SUP @25°C RATED SPECS		INPUT CHARACTERISTICS						MIN. OUTPUT CHAR. @25°C		MIN TRANSFER CHAR @ 25°C				T O C M P E	DRAWINGS	
		1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	OVER OPERATING TEMP. RANGE		MIN. @25°C		CHAR. @25°C		3 BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/μS)	CMRR (dB)					
				3 DRIFT (V/°C)	4 OFST (V)	MAX VOLTAGE	MAX CURRENT	CM RANGE (ΔV)	DIFF IMP. (Ω)					P-P VOLT. (ΔV)	P-P CUR. (ΔA)			
1	9734	30	120m	15u	1.0mΔ	5.0p	20p	20	1.0T	20	20m	1.0MΩ	100	8.0	80	58	MP268	
2	HA9W2201A	30	120m	15u	3.0m	20n	100n	30	1.5M	24	10kΩ	100	8.0	80	28	A090	TO91	
3	RM709CQ	30	120m	15u	4.0m	300n	1.0m	16	50k	20	2.0kΩ	100	8.0	70	5C	A003	FP2z	
4	RM709Q	30	120m	15u	4.0m	300n	1.0u	16	400k	24	10kΩ	1.0MΩ	88	400m	70	5C	FP2z	
5	EP85AU	30	120m	18u†	Δ	5.0†	50n	22	330k	22	4.4m	2.0MΩ	106	600†	87	28	CB1	
6	H15	30	120m	20u	Δ	5.0p		20	100G	20	2.0m	1.0MΩ	120 †	2.0 †	74 †	5A	MP5w	
7	KM45	30	120m†	20u‡	Δ	20p	40p	20	1.0T	22 †	11m†	1.0MΩ	112	20 †	60	28	MP5at	
8	KM45H	30	120m†	20u‡	Δ	20p	40p	20	1.0T	22 †	40m†	1.0MΩ	112	20 †	60	28	MP5au	
9	KM22	30	120m	20u	6.0m	80n†		20	300k	22	4.0m	10M†	100	60	74	5C	MP2z	
10	KM32	30	120m	20u	6.0m	80n†		20	300k	22	4.0m	10M†	100	60	74	5C	MP6c	
11	115	30	120m	25u	Δ		350n	20	200k	20	10m	2.0MΩ	94	10	28	28	MP6g	
12	116‡	30	120m	25u	Δ		25n	20	200k	20	10m	2.0MΩ	94	10	28	28	MP5ac	
13	161‡	30	120m	25u‡	Δ		30n‡	150n‡	20	200k	20	8.0m	1.5MΩ	98	6.0	86	28	MP57
14	16110	30	120m	25u‡	Δ		30n‡	150n‡	20	200k	20	8.0m	1.5MΩ	98	6.0	86	28	MP57
15	1849	30	120m	25u	1.0m	150n	150n	20	200k	20	8.0m	1.5MΩ	98	6.0	69	28	MP35a	
16	41JV	30	120m	25u	2.0m‡Δ	4.0p	500n‡	30	10T	20	10m	1.0M†	100 †	3.0	80	28	MP5ab	
17	41LV	30	120m	25u	2.0m‡Δ	4.0p	150n‡	30	10T	20	10m	1.0M†	100 †	3.0	80	28	MP5ab	
18	AD0042C	30	120m	25u	20m		50p‡	20	100G	20	2.0m	1.0MΩ	88	6.0	70	07	A174c	TO99
19	D10	30	120m†	30u	Δ	100n		14	200k	22	4.4m	1.0MΩ	92 †	600m	74 †	28	MP5h	
20	A970	30	120m	30u†	5.0m‡	5.0n‡	25n‡	16	300M	20	2.0m	320k‡	88	500m	86 †	28	A371	TO99
21	A1005	30	120m†	30u†	6.0m‡	5.0n‡	50n‡	10	2.0M†	20	4.0m	500k‡	88	500m	86 †	28	A053	MP5s
22	116‡	30	120m	45u	Δ		150n	20	200k	20	8.0m	1.0MΩ	88	1.2	28	28	MP5ac	
23	HK15	30	120m	45u	Δ		50p	20	100G	20	2.0m	1.0MΩ	120 †	2.5	74 †	5A	MP5w	
24	133	30	120m	50u	Δ			20	100G	20	1.5MΩ	109	6.0	86	28	MP6g		
25	133AC	30	120m	50u	Δ		25p‡	20	100G	20	4.0m	1.5MΩ	109	6.0	86	28	A053	MP5ac
26	A1029	30	120m	50u	1.0m‡		50p‡	20	100G	20	10m	2.0k	100	1.0	80	28	A053b	MP5f
27	AD3542J	30	120m	50u	20m		25p‡	20	100G	20	25m	1.0MΩ	88	500m	80	07	A174b	TO99
28	P45A	30	120m	55u	Δ		1.2u	20	100k	20	40m	100MΩ	95	150	60	28	CB1	MP6a
29	PP45	30	120m	55u	Δ		1.2u	20	100k	22	2.2m	100MΩ	109	150	60	28	MP6a	MP5f
30	A1019	30	120m†	60u	5.0m‡		80p‡	20	10G	20	10m	2.0k	100	500m	60	28	A053b	MP5f
31	H215	30	120m	100u				20	100G	20	2.0m	1.0MΩ	120 †	2.5	74 †	5A	MP5w	
32	9165	30	120m	300u	10m			20	30k	12	2.0m	200k	80	30	28	28	A464	TO101
33#	HA1303	30	125m†	5.0u†	4.5m	450n	1.5u	26 †	50k	22	10kΩ		80	20	07	A464	TO101	
34#	u1740C‡	30	126m		110m	60p	20n	22	330k	22	4.4m	1.0MΩ	86	60	80	07	MP2z	CN1g
35	P85AU	30	130m				100n	22	330k	22	4.4m	2.0MΩ	106	600m	86	28	MP2z	MP5j
36	PF85AU	30	130m	6.0u‡			100n	22	330k	22	4.4m	2.0MΩ	106	600m	86	28	MP2z	MP5j
37	ATF402	30	132m†	10u	5.0m‡	7.5n‡	50n‡	22	200k	22	4.4m	2.0MΩ	108	10 †	80	28	A023	MP31
38	ATF403	30	132m†	10u	7.5m‡	10n‡	50n‡	22	200k	22	4.4m	2.0MΩ	100	10 †	80	5C	A023	MP31
39	ATF401	30	132m†	10u	10m‡	10n‡	50n‡	22	200k	22	4.4m	2.0MΩ	100	10 †	80	28	A023	MP31
40	LM248D	30	135m	7.5m	125n	500n	24	800k	24	10kΩ	1.0M†	88	500m†	70	28	A341	14-32	
41	LM249D	30	135m	7.5m	125n	500n	24	800k	24	10kΩ	4.0M†	88	20 †	70	28	A341	14-32	
42	LM348D	30	135m	7.5m	100n	400n	24	800k	24	10kΩ	1.0M†	88	500m†	70	07	A341	14-32	
43	LM349D	30	135m	7.5m	100n	400n	24	800k	24	10kΩ	4.0M†	88	20 †	70	07	A341	14-32	
44	uA248JC	30	135m	7.5m	125n	500n	24	800k	24	10kΩ	1.0MΩ	88	500m†	70	28	A341		
45	uA248NC	30	135m	7.5m	125n	500n	24	800k	24	10kΩ	1.0MΩ	88	500m†	70	28	A341		
46	uA249JC	30	135m	7.5m	125n	500n	24	800k	24	10kΩ	4.0MΩ	88	20 †	70	28	A341		
47	uA249NC	30	135m	7.5m	125n	500n	24	800k	24	10kΩ	4.0MΩ	88	20 †	70	28	A341		
48	uA348JC	30	135m	7.5m	100n	400n	24	800k	24	10kΩ	1.0MΩ	88	500m†	70	07	A341		
49	uA348NC	30	135m	7.5m	100n	400n	24	800k	24	10kΩ	1.0MΩ	88	500m†	70	07	A341		
50	uA349JC	30	135m	7.5m	100n	400n	24	800k	24	10kΩ	4.0MΩ	88	20 †	70	07	A341		
51	uA349NC	30	135m	7.5m	100n	400n	24	800k	24	10kΩ	4.0MΩ	88	20 †	70	07	A341		
52	230C	30	135m	100n	10u	50p‡		SE	300k	20	8.0m	500kΩ	140	200m	28	28	MP15an	
53	232B	30	135m	100n	10uΔ	50p		SE	300k	20	8.0m	500kΩ	140	200m	28	28	MP77	
54	232K	30	135m	100n	10u	50p		SE	300k	20	8.0m	500kΩ	140	200m	05	05	MP77	
55	232A	30	135m	250n	15uΔ	100p		SE	300k	20	8.0m	500kΩ	140	200m	28	28	MP77	
56	232J	30	135m	250n	15u	100p		SE	300k	20	8.0m	500kΩ	140	200m	05	05	MP77	
57	144K	30	135m	30u	2.0m‡Δ	25p‡	100p‡	17 ‡	100G	20	10m	4.0M†	94	6.0	60 †	16	MP75	
58	P45AU	30	135m	36u	Δ	75n	150n	20	500k	20	40m	100MΩ	95	200	60	28	CB1	
59	144A	30	135m	100u	2.0m‡Δ	25p‡	100p‡	17 ‡	100G	20	10m	4.0M†	94	6.0	60 †	28	MP75	
60	P25A	30	138m†		Δ	150p‡		20 †	100G†	22 †	4.4m†	1.5MΩ	92	600m†	60	28	CB1a	
61	PP25A	30	138m†		Δ	150p‡		20 †	100G†	22 †	4.4m†	1.5MΩ	92	600m†	60	28	MP6b	
62	P25C	30	138m	60u‡	Δ	1.0n		20	100G†	22	4.4m	1.5kΩ	103	3.0 †	60	28		
63	PP25C	30	138m	60u‡	Δ	1.0n		20	100G†	22	4.4m	1.5kΩ	103	3.0 †	60	28		
64	EP25AU	30	140m	55u	Δ	50p‡	150p‡	20	100G	22	4.4m	1.5MΩ	103	2.0 †	60	28	CB1	MP6b
65	PP25AU	30	140m	55u	Δ	50p‡	150p‡	20	100G	22	4.4m	1.5MΩ	103	2.0 †	60	28	MP6b	
66	105C	30	144m	5.0u	Δ	5.0u‡		20 Δ	1.0M	20	5.0m	2.0MΩ	89	1.2	80	48	MP5k	
67	105B	30	144m	10u	Δ	5.0u‡		20 Δ	1.0M	20	5.0m	2.0MΩ	89	1.2	80	48	MP5k	
68	105A	30	144m	20u	Δ	5.0u‡		20 Δ	1.0M	20	5.0m	2.0MΩ	89	1.2	80	48	MP5k	
69	111	30	144m	20u	Δ	20u‡		20 Δ	200k	20	5.0m	1.5MΩ	83	1.2	80	48	MP5k	
70	SP456	30	150m		Δ	10p‡		SE	1.3M†	20 †	40m†	100MΩ	160	200 †	28	28	CB2	
71	KM53SP	30	150m	.85m	1.0u			20k	22	5.0m	2.0MΩ	94	60	28	28	MP23		
72	ULS2139D	30	150m	4.5m	80n	800n	22	150k	20	1.0kΩ	20k	94	1.0	80	5C	A174a	TO99	
73	ULS2139G	30	150m	4.5m	80n	800n	22	150k	20	1.0kΩ	20k	94	1.0	80	5C	A172d	FP2z	
74	ULS2139H	30	150m	4.5m	80n	800n	22	150k	20	1.0kΩ	20k	94	1.0	80	5C	A173f	MP2z	
75	ULS2139M	30	150m	4.5m	80n	800n	22	150k	20	1.0kΩ	20k	94	1.0	80	5C	A200b	MP2z	
76	MCE7042A	30	150m	5.0m‡	200n	300n	20	20	22	600 †		100	8.0	80	07	A260	FP24c	
77	835CJ*	30	150m	6.0m‡	100n‡	500n‡	30	20	20	2.0kΩ	1.0M†	88	600m†	70	07	A310	8-1b	
78	835CL*	30	150m	6.0m‡	100n‡	500n‡	30	20	20									

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINEAR

LINE No.	TYPE No.	PWR SUP @ 25°C		INPUT CHARACTERISTICS						MIN. OUTPUT CHAR. @ 25°C		MIN TRANSFER CHAR @ 25°C				DRAWINGS		
		RATED SPECS		OVER OPERATING TEMP. RANGE			MIN. @ 25°C			@ 25°C		3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T O M P E	C K T.	OUT-LINE Δ=MO
		1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	3 MAX VOLTAGE (V/°C)	4 DRIFT (V)	5 OFFSET (A)	6 MAX CURRENT (A)	7 BIAS (A)	8 CM RANGE (ΔV)	9 DIFF IMP. (Ω)	10 P-P VOLT. (ΔV)							
1	3003/13	30	150m	3.0u	.60mZ	30nZ	20	500kT	20	40m	1.2MZ	104	1.2	80	48		MP1	
2	3003/15	30	150m	3.0u	.60mZ	30nZ	20	500kT	20	40m	1.2MZ	104	1.2	80	48		MP2	
3	3003/16	30	150m	3.0u	.60mZ	30nZ	20	500kT	20	40m	1.2MZ	104	1.2	80	48		14-1	
4	3003/26	30	150m	3.0u	.60mZ	30nZ	20	500kT	20	40m	1.2MZ	104	1.2	80	48		MP4	
5	3129-15	30	150m	3.0u	1.0mS	10pS	20	100Gt	20	40m	1.0MZ	100	6.0	60	28		MP287a	
6	9739	30	150m	3.0u	1.0m	10p	30p	20	1.0T	20	20m	30MS	94	100	90	58		MP457a
7	MCH1539G	30	150m	3.0u	4.0m	75n	500nS	22	150k	20	1.0kZ	300	4.2	80	5C	A093	TO77	
8#	WM1709	30	150m	3.0u	6.0m	500n	1.5u	16	150k	24	10kZ	10k	250m	70	5C	A115	CN11d	
9	3268/14	30	150m	5.0u	3.0m	3.0n	50nS	20	1.0M	20	20m	1.0MZ	114	6.0	86	28	A425	MP42
10	13203	30	150m	5.0u	10p	50pS	20	100G	20	10m	4.5M	106	5.0	74	28	A053	MP6b	
11	H9020A	30	150m	5.0u	.37mΔ	60n	.15u	20	500k	20	70m	2.5M	95	2.2	90	4A	MP5ac	
12	H9020B	30	150m	5.0u	.37mΔ	60n	.15u	20	500k	20	70m	2.5M	95	2.2	90	4A	MP2d	
13	3007-15C	30	150m	5.0u	500uS	20nS	20	500kT	20	10m	1.2MZ	94	1.2	80	28		MP287a	
14	3357-15	30	150m	5.0u	500uS	10nS	20	500kT	20	40m	1.0MZ	120	900m	100	28		MP287c	
15	3358-12C	30	150m	5.0u	500uS	10nS	20	500kT	20	10m	1.0MZ	120	900m	100	28		MP55a	
16	H9000A	30	150m	5.0u	.50mΔ	65n	25u	20	500k	20	200m	15M	95	10	90	5C	MP5ac	
17	3004/13	30	150m	5.0u	.80mZ	30nZ	20	500kT	20	40m	1.2MZ	100	1.2	80	48		MP1	
18	3004/15	30	150m	5.0u	.80mZ	30nZ	20	500kT	20	40m	1.2MZ	100	1.2	80	48		MP2	
19	3004/16	30	150m	5.0u	.80mZ	30nZ	20	500kT	20	40m	1.2MZ	100	1.2	80	48		14-1	
20	3004/26	30	150m	5.0u	.80mZ	30nZ	20	500kT	20	40m	1.2MZ	100	1.2	80	48		MP4	
21	1556-15	30	150m	5.0u	1.0mS	10pS	20	100Gt	20	40m	1.0MZ	100	6.0	60	28		MP287a	
22	3020-15	30	150m	5.0u	1.0mS	10nS	20	500kT	20	20m	1.2MZ	104	1.2	80	28		MP287a	
23	3020/13	30	150m	5.0u	1.3mZ	40nZ	20	500kT	20	20m	1.2MZ	94	1.2	80	28		MP1	
24	3020/15	30	150m	5.0u	1.3mZ	40nZ	20	500kT	20	20m	1.2MZ	94	1.2	80	28		MP2	
25	3020/16	30	150m	5.0u	1.3mZ	40nZ	20	500kT	20	20m	1.2MZ	94	1.2	80	28		14-1	
26	3020/26	30	150m	5.0u	1.3mZ	40nZ	20	500kT	20	20m	1.2MZ	94	1.2	80	28		MP4	
27	MC34003AG*	30	150m	5.0uS	1.5m	2.0n	4.0n	22	1.0T	20	2.0kZ	4.0Mst	94	13	80	07	A432	TO99
28	MC34003AP*	30	150m	5.0uS	1.5m	2.0n	4.0n	22	1.0T	20	2.0kZ	4.0Mst	94	13	80	07	A432a	8-3
29	MC34003AU*	30	150m	5.0uS	1.5m	2.0n	4.0n	22	1.0T	20	2.0kZ	4.0Mst	94	13	80	07	A432a	8-11a
30	MC35003AG*	30	150m	5.0uS	1.5m	20n	50n	22	1.0T	20	2.0kZ	4.0Mst	94	13	80	5C	A432	TO99
31	MC35003AU*	30	150m	5.0uS	1.5m	20n	50n	22	1.0T	20	2.0kZ	4.0Mst	94	13	80	5C	A432a	8-11a
32	MC34003BG*	30	150m	5.0uS	2.0m	4.0n	8.0n	22	1.0T	20	2.0kZ	4.0Mst	94	13	80	07	A432	TO99
33	MC34003BP*	30	150m	5.0uS	2.0m	4.0n	8.0n	22	1.0T	20	2.0kZ	4.0Mst	94	13	80	07	A432a	8-3
34	MC34003BU*	30	150m	5.0uS	2.0m	4.0n	8.0n	22	1.0T	20	2.0kZ	4.0Mst	94	13	80	07	A432a	8-11a
35	MC35003BP*	30	150m	5.0uS	2.0m	40n	50n	22	1.0T	20	2.0kZ	4.0Mst	94	13	80	5C	A432	TO99
36	MC35003BU*	30	150m	5.0uS	2.0m	40n	50n	22	1.0T	20	2.0kZ	4.0Mst	94	13	80	5C	A432a	8-11a
37	3007/13	30	150m	5.0u	2.3mZ	90nZ	20	500kT	20	10m	2.0Mst	94	1.2	80	48		MP1	
38	3007/15C	30	150m	5.0u	2.3mZ	90nZ	20	500kT	20	10m	2.0Mst	94	1.2	80	48		MP2	
39	3007/16	30	150m	5.0u	2.3mZ	90nZ	20	500kT	20	10m	2.0Mst	94	1.2	80	48		14-1	
40	3007/26	30	150m	5.0u	2.3mZ	90nZ	20	500kT	20	10m	2.0Mst	94	1.2	80	48		MP4	
41	RM4156ADC	30	150m	5.0u	5.0m	75n	325n	24	5.0Mst	20	10m	2.8Mst	94	1.3	80	5C	A021	14-12g
42	811BE	30	150m	5.0uS	10mS	250n	1.5u	20	100k	20	5.0kZ	80	70	5C	A319	TO99		
43	811BJ	30	150m	5.0uS	10mS	250n	1.5u	20	100k	20	5.0kZ	80	70	5C	A021	MP147		
44#	TH5PA#1	30	150m	6.0uS	6.0m	500n	1.5u	24	300k	29	20kZ	94	70	5C	A319	CN35		
45	146J	30	150m	7.0u	700uΔ	10pS	30pS	20	100G	20	40m	5.0Mst	100	80	16	5C	MP5ac	
46	132	30	150m	10u	Δ	10p	50pS	20	100G	20	10m	4.5M	106	5.0	74	28	A053	MP6b
47	132A	30	150m	10u	Δ	10p	50pS	20	100G	20	10m	4.5M	106	5.0	74	28	A053	MP5ac
48	13215	30	150m	10u	Δ	10p	10pS	20	100G	20	10m	4.5M	103	5.0	73	28	A053	MP6b
49	16204	30	150m	10uS	Δ	10pS	50pS	20	1.0M	20	8.0m	4.0M	86	5.0	73	28		MP57
50	CIA2	30	150m	10u	Δ	2.0nS	60nS	22	1.0M	20	4.0m	1.5M	95	600m	86	28		
51	1506-15	30	150m	10u	500uS	10nS	20	500kT	20	40m	1.2MZ	104	1.2	80	28		MP287a	
52	1901-19	30	150m	10u	500uS	10nS	20	500kT	20	40m	1.0MZ	100	1.2	80	28		MP296	
53	3019-15	30	150m	10u	500uS	10nS	20	500kT	20	40m	1.2MZ	104	1.2	80	28		MP287a	
54	3130/15	30	150m	10uZ	.50mS	10pT	20	100Gt	20	40m	3.0Mst	106	6.0	60	48		MP2	
55	H9010A	30	150m	10u	.60mΔ	50n	25u	20	150k	20	70m	2.5M	95	2.2	80	28		MP5ac
56	H9010B	30	150m	10u	.60mΔ	50n	25u	20	150k	20	70m	2.5M	95	2.2	80	28		MP2d
57	3005-15	30	150m	10u	1.0mS	10nS	20	500kT	20	40m	1.2MZ	104	1.2	80	28		MP287a	
58	3008-15C	30	150m	10u	1.0mS	30nS	20	500kT	20	10m	1.2MZ	94	1.2	80	28		MP287a	
59	3021-15	30	150m	10u	1.0mS	20nS	20	500kT	20	20m	1.2MZ	104	1.2	80	28		MP287a	
60	3035-15	30	150m	10uS	1.0mZ	15nZ	20	1.0M	20	40m	500kZ	94	600n	80	48		MPZ	
61	3130-15	30	150m	10u	1.0mS	20pS	20	100Gt	20	40m	1.0MZ	100	6.0	60	28		MP287a	
62	H6000	30	150m	10u	1.0mΔ	13n	60n	20	4.0M	20	5.0m	3.5M	90	1.6	75	5C	MP6e	
63	H6000A	30	150m	10u	1.0mΔ	13n	60n	20	4.0M	20	5.0m	3.5M	90	1.6	75	5C	MP5n	
64	1506/13	30	150m	10u	1.1mZ	40nZ	20	500kT	20	40m	1.0MZ	100	2.0	48			MP1	
65	1506/15	30	150m	10u	1.1mZ	40nZ	20	500kT	20	40m	1.0MZ	100	2.0	48			MP2	
66	1506/16	30	150m	10u	1.1mZ	40nZ	20	500kT	20	40m	1.0MZ	100	2.0	48			14-1	
67	1506/26	30	150m	10u	1.1mZ	40nZ	20	500kT	20	40m	1.0MZ	100	2.0	48			MP4	
68	1901/19	30	150m	10u	1.1mZ	40nZ	20	500kT	20	40m	1.0MZ	100	1.2	80	48		MP16	
69	3005/13	30	150m	10u	1.5mZ	40nZ	20	500kT	20	40m	1.0MZ	96	1.2	80	48		MP1	
70	3005/15	30	150m	10u	1.5mZ	40nZ	20	500kT	20	40m	1.0MZ	96	1.2	80	48		MP2	
71	3005/16	30	150m	10u	1.5mZ	40nZ	20	500kT	20	40m	1.0MZ	96	1.2	80	48		14-1	
72	3005/26	30	150m	10u	1.5mZ	40nZ	20	500kT	20	40m	1.0MZ	96	1.2	80	48		MP4	
73	3019/13	30	150m	10u	1.5mZ	40nZ	20	500kT	20	40m	1.0MZ	96	1.2	80	48		MP1	
74	3019/15	30	150m	10u	1.5mZ	40nZ	20	500kT	20	40m	1.0MZ	96	1.2	80	48		MP2	
75	3019/16	30	150m	10u	1.5mZ	40nZ	20	500kT	20	40m	1.0MZ	96	1.2	80	48		14-1	
76	3019/26	30	150m	10u	1.5mZ	40nZ	20	500kT	20	40m	1.0MZ	96	1.2	80	48		MP4	
77	KM23M	30	150m	10u	1.8m	40nS	40nZ	20	500kT	20	10m							

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINEAR

LINE No.	TYPE No.	PWR SUP @25°C		INPUT CHARACTERISTICS						MIN. OUTPUT CHAR. @25°C		MIN TRANSFER CHAR @ 25°C				T C O P E	DRAWINGS		
		RATED	SPECS	OVER OPERATING TEMP. RANGE		MAX VOLTAGE		MAX CURRENT		CM RANGE (ΔV)	DIFF IMP. (Ω)	P-P VOLT. (ΔV)	P-P CUR. (ΔA)	3dB BW (Hz)	O.L. VOLT. GAIN (dB)			SLEW RATE (V/μS)	CMRR (dB)
				1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	3 DRIFT (V/°C)	4 OFST (V)	5 MAX VOLTAGE (V)	6 MAX CURRENT (A)										
1	3018/16	30	150m	15u	1.8m	200p	20	100G	20	40m	1.0M	106	3.0	82	07	A200a	14-1		
2	3018/26	30	150m	15u	1.8m	200p	20	100G	20	40m	1.0M	106	3.0	82	07	A200a	8-4c		
3	1706/17	30	150m	15u	2.0m	70n	20	500k	20	20m	800k	96	60	82	07	A174a	MP15		
4	OP15GP	30	150m	15u	3.8m	1.2n	1.5n	20	1.0T	22	2.0k	12M	94	800m	82	07	A042p	T099	
5	1558E*	30	150m	15u	6.0m	500n	1.5u	24	300k	24	10k	14k	94	15m	90	07	A174a	T099	
6	monoOP08CJ	30	150m	18u	9.5m	700n	2.0n	24	50M	24	10k	1.0M	89	15m	90	07		TO116	
7	monoOP08CP	30	150m	18u	9.5m	700n	2.0n	24	50M	24	10k	1.0M	89	15m	90	07		MP5ac	
8	132AD	30	150m	20u	Δ	Δ	100p	20	10G	20	8.0m	1.0M	100	2.0	70	28	A053	MP5b	
9	132D	30	150m	20u	Δ	Δ	100p	20	10G	20	8.0m	1.0M	100	2.0	70	28	A053	MP5b	
10	154C	30	150m	20u	Δ	Δ	100p	20	500k	20	40m	1.0M	100	7.0	80	28	A053	MP5b	
11	162	30	150m	20u	Δ	Δ	5.0n	20	1.0M	20	8.0m	4.0M	86	5.0	73	28		MP57	
12	165	30	150m	20u	Δ	Δ	5.0n	20	1.0M	20	10m	1.5M	93	6.0	86	28		MP57	
13	1650	30	150m	20u	Δ	Δ	25n	20	200k	20	20m	5.0M	100	10	86	28		MP5y	
14	3269/14	30	150m	20u	Δ	Δ	50n	20	1.0M	20	20m	1.0M	114	6.0	86	28	A425	MP42	
15	3317-14	30	150m	20u	Δ	Δ	20p	20	100G	20	40m	3.0M	106	6.0	66	28		MP5au	
16	3322-14	30	150m	20u	Δ	Δ	20p	20	100G	20	40m	3.0M	106	6.0	100	28		MP5au	
17	ZEL1A	30	150m	20u	Δ	Δ	50n	20	1.0M	20	10m	1.5M	113	6.0	86	28		MP5bq	
18	16210	30	150m	20u	1.0m	10p	50p	20	1.0M	20	8.0m	4.0M	106	5.0	72	28		MP57	
19	3006-15	30	150m	20u	1.5m	20n	20n	20	500k	20	40m	1.2M	104	1.2	80	28		MP287a	
20	602	30	150m	20u	2.0m	1.0n	500k	22	1.0M	22	40m	500k	103	200m	103	28		MP6	
21	702	30	150m	20u	2.0m	30p	100G	22	1.0M	22	40m	500k	103	200m	103	28		MP8b	
22	704	30	150m	20u	2.0m	30p	100G	22	1.0M	22	40m	500k	103	200m	103	28		MP8b	
23	3022-15	30	150m	20u	2.0m	30n	20	500k	20	20m	1.2M	104	1.2	80	28		MP287a		
24	3006/13	30	150m	20u	3.0m	80n	20	500k	20	40m	800k	90	90	80	48		MP1		
25	3006/15	30	150m	20u	3.0m	80n	20	500k	20	40m	800k	90	90	80	48		MP2		
26	3006/16	30	150m	20u	3.0m	80n	20	500k	20	40m	800k	90	90	80	48		14-1		
27	3006/26	30	150m	20u	3.0m	80n	20	500k	20	40m	800k	90	90	80	48		MP4		
28	3009-15C	30	150m	20u	3.0m	40n	20	500k	20	10m	1.2M	94	1.2	80	28		MP287a		
29	KM23	30	150m	20u	3.0m	50n	300k	22	10m	5.0M	98	60	74	5C		MP7			
30	KM33	30	150m	20u	3.0m	50n	300k	22	10m	5.0M	98	60	74	5C		MP6c			
31	3022/13	30	150m	20u	4.0m	1.1u	500k	20	20m	800k	86	60	80	28		MP1			
32	3022/15	30	150m	20u	4.0m	1.1u	500k	20	20m	800k	86	60	80	28		MP2			
33	3022/16	30	150m	20u	4.0m	1.1u	500k	20	20m	800k	86	60	80	28		14-1			
34	3022/26	30	150m	20u	4.0m	1.1u	500k	20	20m	800k	86	60	80	28		MP4			
35	3009/13	30	150m	20u	5.0m	130p	20	500k	20	10m	1.0M	86	60	48		MP1			
36	3009/15C	30	150m	20u	5.0m	130p	20	500k	20	10m	1.0M	86	60	48		MP2			
37	3009/16	30	150m	20u	5.0m	130p	20	500k	20	10m	1.0M	86	60	48		14-1			
38	3009/26	30	150m	20u	5.0m	130p	20	500k	20	10m	1.0M	86	60	48		MP4			
39	AD040	30	150m	20u	5.0m	45n	300k	20	40m	1.8M	98	600m	86	28		A054	MP4a		
40	820	30	150m	25u	50n	5.0n	20	1.0M	20	10m	1.5M	113	6.0	86	28		MP58		
41	8503	30	150m	25u	1.0m	10p	20	100G	20	15m	3.0M	106	7.0	80	07	A128	MP173		
42	8504	30	150m	25u	1.0m	5.0p	20	100G	20	15m	3.0M	106	7.0	80	07	A128	MP173		
43	8505	30	150m	25u	1.0m	5.0p	20	100G	20	15m	4.0M	106	10	86	07	A128	MP173		
44	8506	30	150m	25u	1.0m	5.0p	20	100G	20	15m	4.0M	106	10	86	07	A128	MP173		
45	9503	30	150m	25u	1.0m	10p	20	100G	20	15m	3.0M	106	7.0	80	28	A128	CN2		
46	9504	30	150m	25u	1.0m	5.0p	20	100G	20	15m	3.0M	106	7.0	80	28	A128	CN2		
47	9505	30	150m	25u	1.0m	5.0p	20	100G	20	15m	4.0M	106	10	86	28	A128	CN2		
48	9506	30	150m	25u	1.0m	5.0p	20	100G	20	15m	4.0M	106	10	86	28	A128	CN2		
49	H7000	30	150m	25u	2.5m	50p	100k	20	100k	20	6.6m	2.0M	86	2.0	65	5C		MP6e	
50	H7000A	30	150m	25u	2.5m	50p	100k	20	100k	20	6.6m	2.0M	86	2.0	65	5C		MP5n	
51	KM33SP	30	150m	27u	3.0m	1.0u	200k	22	5.0m	2.0M	88	60	28			MP6c			
52	KM43SP	30	150m	27u	3.0m	1.0u	200k	22	5.0m	2.0M	88	60	28			MP6c			
53	1516/13	30	150m	30u	2.1m	135n	20	200k	20	20m	1.0M	90	1.0	28			MP1		
54	1516/15	30	150m	30u	2.1m	135n	20	200k	20	20m	1.0M	90	1.0	28			MP2		
55	1516/16	30	150m	30u	2.1m	135n	20	200k	20	20m	1.0M	90	1.0	28			14-1		
56	1516/26	30	150m	30u	2.1m	135n	20	200k	20	20m	1.0M	90	1.0	28			MP4		
57	9718	30	150m	30u	10m	15p	50p	20	1.0T	20	20m	4.0M	94	100	28		MP6p		
58	9721	30	150m	30u	10m	15p	50p	20	1.0T	20	20m	1.0M	110	10	28		MP6q		
59#	TH2PA#1	30	150m	30u	10m	70n	300n	30	4.0M	24	50	88	80	5C		A320	CN35		
60	AD041	30	150m	40u	Δ	10n	45n	20	300k	20	40m	1.8M	98	600m	86	28	A054	MP4a	
61	830	30	150m	50u	Δ	10p	25p	20	100G	20	10m	1.5M	109	6.0	66	28		MP58	
62	3318-14	30	150m	50u	Δ	10p	50p	20	100G	20	40m	3.0M	106	6.0	66	28		MP5au	
63	3323-14	30	150m	50u	Δ	10p	50p	20	100G	20	40m	3.0M	106	6.0	100	28		MP5au	
64	8502	30	150m	50u	2.0m	10p	20	100G	20	10m	1.5M	106	5.0	74	07	A128	MP173		
65	9502	30	150m	50u	2.0m	10p	20	100G	20	10m	1.5M	106	5.0	74	28	A128	CN2		
66	809BE	30	150m	50u	1.0m	500n	1.5u	20	100k	20	5.0k	300	80	70	5C	A019	T099		
67	809BH	30	150m	50u	1.0m	500n	1.5u	20	100k	20	5.0k	300	80	70	5C	A019	FP5		
68	809BJ	30	150m	50u	1.0m	500n	1.5u	20	100k	20	5.0k	300	80	70	5C	A019	MP147		
69	810BH	30	150m	50u	1.0m	10u	1.5u	20	100k	20	5.0k	1.0k	80	90	5C	A021a	FP6		
70	810BJ	30	150m	50u	1.0m	10u	1.5u	20	100k	20	5.0k	1.0k	80	90	5C	A021a	14-3		
71	P25AU	30	150m	55u	Δ	50p	100n	20	10G	20	4.4m	1.5M	92	60m	60	28		CB1	
72	2317-2	30	150m	60u	Δ	10p	30n	20	300k	20	10m	1.0M	92	1.2	80	07		MP394	
73	KM47B	30	150m	65u	Δ	20p	Δ	20	1.0T	20	200m	750k	104	1.5	60	07		MP5r	
74	2317-3	30	150m	75u	Δ	25p	50p	20	10G	20	10m	1.0M	89	1.2	60	07		MP394	
75	8501	30	150m	75u	2.0m	10p	20	100G	20	10m	1.5M	106	5.0	74	07	A128	MP173		
76	9501	30	150m	75u	2.0m	10p	20	100G	20	10m	1.5M	106	5.0	74	28	A128	CN2		
77	TOA1740V	30	156m	20n	40n	200p	20	1.0T	24	10k	3.0M	88	6.0	64	5C	A131	T099		
78	UA740HM	30	156m	30m	185p	20	1.0T	24	10k	3.0M	94	6.0	64	5C	A131	CN1d			
79	1001MT	30	156m	75u	20m	500n	20p	20	1.0M	24	10k	1.0M	94	6.0	70	5A	A270	CN37a	
80	114C	30	160m	5.0u	Δ	2.0n	2.0n	20	Δ	4.0M									

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	TYPE No.	PWR SUP @ 25°C		INPUT CHARACTERISTICS							MIN. OUTPUT		MIN TRANSFER CHAR @ 25°C				DRAWINGS	
		1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	OVER OPERATING TEMP. RANGE			MIN. @ 25°C		CHAR. @ 25°C		3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/μS)	CMRR (dB)	T E O M P E	C K T.	O U T - L I N E Δ = MO	
				3 MAX VOLTAGE (V)	4 OFFSET (V)	5 MAX CURRENT (A)	6 BIAS (A)	7 CM RANGE (ΔV)	8 DIFF. IMP. (Ω)	9 P-P VOLT. (ΔV)								10 P-P CUR. (ΔA)
1	ULN2709M	30	165m	6.0u	6.0m	500n	1.5u	16	150k	20	2.0k	87	70	+	A081	8-1		
2 #	709-1-36	30	165m	6.0u	6.0m	500n	1.5u	16	150k	24	10k	88	70	5C	A003	T091		
3 #	709B4	30	165m	6.0u	6.0m	50u	1.5u	16	150k	20	2.0k	88	70	5C	A003	T099		
4 #	709B4P	30	165m	6.0u	6.0m	50u	1.5u	16	150k	20	2.0k	88	70	5C	A003	T091		
5	DM709D	30	165m	6.0u	6.0m	50u	1.5u	16	150k	20	2.0k	88	70	5C	A003	14-2b		
6	DM709F	30	165m	6.0u	6.0m	50u	1.5u	16	150k	20	2.0k	88	70	5C	A003	FP2a		
7	DM709T	30	165m	6.0u	6.0m	50u	1.5u	16	150k	20	2.0k	88	70	5C	A003	CN1b		
8	LA709F	30	165m	6.0u	6.0m	500n	1.5u	16	150k	20	2.0k	87	70	5C	A003	T091		
9	LA709G	30	165m	6.0u	6.0m	500n	1.5u	3.0	150k	16	200k	100	70	5C	A003	CN1c		
10	LA709H	30	165m	6.0u	6.0m	500n	1.5u	16	150k	20	2.0k	87	70	5C	A003	CN1c		
11	LM709F	30	165m	6.0u	6.0m	500n	1.5u	16	150k	24	10k	88	70	5C	A003	FP2		
12	LM709J	30	165m	6.0u	6.0m	500n	1.5u	16	150k	24	10k	88	70	5C	A003	14-20b		
13	RM709	30	165m	6.0u	6.0m	50u	1.5u	16	150k	24	10k	88	70	5C	A003	CN1a		
14	S5709G	30	165m	6.0u	6.0m	50u	1.5u	16	150k	24	10k	88	70	5C	A043	T091		
15	T1709F	30	165m	6.0u	6.0m	500n	1.5u	16	150k	24	10k	88	70	5C	A003	T091		
16	T1709J	30	165m	6.0u	6.0m	500n	1.5u	16	150k	24	10k	88	70	5C	A003	T0116		
17	T1709V	30	165m	6.0u	6.0m	500n	1.5u	16	150k	24	10k	88	70	5C	A003	T099		
18	T3709F	30	165m	6.0u	6.0m	500n	1.5u	16	150k	24	10k	88	70	5C	A003	T091		
19	T3709J	30	165m	6.0u	6.0m	500n	1.5u	16	150k	24	10k	88	70	07	A003	T0116		
20	T3709V	30	165m	6.0u	6.0m	500n	1.5u	16	150k	24	10k	88	70	07	A003	T099		
21	T7709V	30	165m	6.0u	6.0m	30n	90n	16	3.0M	24	10k	88	70	5C	A003	T099		
22	T7809V	30	165m	6.0u	6.0m	6.0n	12n	16	25M	24	10k	88	70	5C	A003	T099		
23 #	TL2709	30	165m	6.0u	6.0m	500n	1.5u	16	150k	24	10k	88	70	5C	A043	T0116		
24	TOA1709	30	165m	6.0u	6.0m	50u	1.5u	16	150k	24	10k	88	70	5C	A003	T079		
25	TOA3709	30	165m	6.0u	6.0m	50u	1.5u	16	150k	24	10k	88	70	07	A003	T079		
26	TOA3709E	30	165m	6.0u	6.0m	500n	1.5u	16	150k	24	10k	88	70	07	A003	T0116		
27	TOA6809	30	165m	6.0u	6.0m	10n	30n	16	10M	24	10k	88	70	5C	A003	T079		
28	TOA6809F	30	165m	6.0u	6.0m	10n	30n	16	10M	24	10k	88	70	5C	A003	T091		
29	TOA6809P	30	165m	6.0u	6.0m	10n	30n	16	10M	24	10k	88	70	5C	A003	T0116		
30	TOA7709	30	165m	6.0u	6.0m	30n	90n	16	3.0M	24	10k	88	70	5C	A003	T079		
31	TOA7709F	30	165m	6.0u	6.0m	30n	90n	16	3.0M	24	10k	88	70	5C	A003	T091		
32	TOA7709J	30	165m	6.0u	6.0m	30n	90n	16	3.0M	24	10k	88	70	5C	A003	T0116		
33	TOA7809	30	165m	6.0u	6.0m	6.0n	12n	16	25M	24	10k	88	70	5C	A003	T079		
34	TOA7809F	30	165m	6.0u	6.0m	6.0n	12n	16	25M	24	10k	88	70	5C	A003	T091		
35	TOA7809J	30	165m	6.0u	6.0m	6.0n	12n	16	25M	24	10k	88	70	5C	A003	T0116		
36	LM102F883	30	165m	6.0u	7.5m	10n	10n	30	10G	20	1.0M	0.0	10	5C	A002	FP2		
37 #	SFC2102M	30	165m	6.0u	7.5m	100n	100n	20	10G	20	1.0M	0.0	10	5C	A002	T099		
38	EP55AU	30	165m	10u	10u	50n	50n	20	200k	22	4.4m	1.5M	86	28		CB1		
39	P65AHU	30	165m	10u	10u	10n	100n	20	600k	22	4.4m	20M	92	28		CB1		
40	PF55AU	30	165m	10u	10u	200n	200n	20	200k	22	4.4m	1.5M	86	28		MP5bb		
41	LM202F	30	165m	15u	15u	15m	50n	20	10G	22	1.0M	0.0	10	07				
42 #	SFC2202	30	165m	15u	15u	15m	50n	20	10G	20	1.0M	0.0	10	28		T099		
43	LM302	30	165m	20u	20u	20m	30n	30	1.0G	20	1.0M	0.0	10	07	A002	CN1a		
44	LM302F	30	165m	20u	20u	20m	30n	30	1.0G	20	1.0M	0.0	10	07	A002	FP2		
45 #	SFC2302	30	165m	20u	20u	20m	50n	30	1.0G	20	1.0M	0.0	10	07	A002	T099		
46	KM42	30	165m	25u	25u	20p	40p	20	1.0T	22	4.0m	10M	106	5C		MP23a		
47	KM43	30	165m	25u	25u	20p	40p	20	1.0T	22	4.4m	5.0M	106	5C		MP6d		
48	228	30	165m	25u	25u	1.0m	5.0p	22	100G	20	4.0m	12M	90	60		CN2		
49	H7020A	30	165m	25u	1.8m	20p	50p	10	100k	20	16m	2.0M	86	6.5	4A	MP5ab		
50	H7020B	30	165m	25u	1.8m	20p	50p	10	100k	16	2.0M	86k	6.5	4A	MP2c			
51	KM21	30	165m	25u	3.0m	2.0n	50p	10	100k	22	5.0m	5.0M	87	5C		MP6c		
52	KM31	30	165m	25u	3.0m	2.0n	50p	10	100k	22	5.0m	5.0M	87	5C		MP6c		
53	H7010A	30	165m	30u	3.0m	20p	50p	10	10M	20	16m	2.0M	86	6.5	28	MP5ab		
54	H7010B	30	165m	30u	3.0m	20p	50p	10	10M	20	16m	2.0M	86	6.5	28	MP2c		
55	P65A	30	165m	36u	36u	300n	300n	20	300k	22	4.4m	1.5M	105	28		CB1		
56	P65AH	30	165m	36u	36u	50n	50n	20	300k	22	4.4m	20M	105	28		MP2a		
57	P65C	30	165m	36u	36u	50n	50n	10	300k	22	4.4m	1.5M	105	28		MP6c		
58	P65CH	30	165m	36u	36u	50n	50n	10	300k	22	4.4m	20M	105	28		MP6c		
59	PP65A	30	165m	36u	36u	300n	300n	20	300k	22	4.4m	1.5M	105	28		MP5ab		
60	PP65C	30	165m	36u	36u	50n	50n	10	300k	22	4.4m	1.5M	105	28		MP2c		
61	KM43H	30	165m	36u	36u	50n	50n	20	300k	22	4.4m	1.5M	105	28		CB1		
62	SN52558P	30	168m	6.0m	6.0m	500n	500n	24	300k	24	80m	1.0M	94	5C	A182	MP6d		
63	LM1458-14*	30	168m	7.5m	7.5m	300n	800n	24	300k	24	10k	1.0M	94	5C	A042p	8-7		
64	TL287CL*	30	168m	10u	50u	100p	400ps	20	1.0T	24	10k	3.0M	88	07		14-50		
65	TL288CL*	30	168m	10u	3.0m	100p	400ps	20	1.0T	24	10k	3.0M	88	07				
66	LF354AN*	30	168m	10u	4.0m	2.0n	4.0n	22	1.0T	24	10k	4.0M	94	80		A373f		
67	TL082AML	30	168m	10u	5.0m	10n	25n	24	1.0T	24	10k	3.0M	87	12	5C	A373d		
68	TL082BCL	30	168m	10u	5.0m	2.0n	4.0n	24	1.0T	24	10k	3.0M	87	12	06	A373d		
69	LF354BN*	30	168m	10u	7.0m	4.0n	8.0n	22	1.0T	24	10k	4.0M	94	80		MP2f		
70	TL082ACL	30	168m	10u	7.5m	3.0n	5.0n	24	1.0T	24	10k	3.0M	87	12	06	A373d		
71	TL082BCL	30	168m	10u	7.0m	4.0n	8.0n	22	1.0T	24	10k	4.0M	94	80		T099		
72	TL082AML	30	168m	10u	9.0m	20n	50n	24	1.0T	24	10k	3.0M	87	12	28	A373d		
73	TL082ACL	30	168m	10u	9.0m	20n	50n	24	1.0T	24	10k	3.0M	87	12	5C	A373d		
74	KM61	30	168m	25u	6.0m	80n	80n	20	1.0T	24	10k	3.0M	83	12	06	A373d		
75	KM62	30	168m	25u	6.0m	80n	80n	20	250k	22	4.0m	100M	96	20	74	MP2f		
76	RM4558DN	30	170m	6.0m	6.0m	500n	1.5n	24	30	20	2.0k	93	500m	70	5C	A212		
77	RM4558L	30	170m	6.0m	6.0m	500n	1.5u	24	300k	24	10k	94	1.5	70	5C	A359a		
78	RM4741D*	30	170m	6.0m	6.0m	500n	1.5u	24	1.0M	24	10k	94	1.5	70	5C	A042		
79	RM4741J*	30	170m	6.0m	6.0m	500n	1.5u	24	1.0M	24	10k	94	1.5	70	5C	A042		
80	RC4558L	30	170m	7.5m	300n	800n	24	300k	24	10k	3.0M	86	1.0	07	A359a	FP6a		
81	RC4741D	30	170m	7.5m	300n	800n	24	1.0M	24	10k	3.0M	86	1.0	07	A042	CN1k		
82	RC4741J	30	170m	7.5m	300n	800n	24	1.0M	24	10k	3.0M	86	1.0	07	A042	14-5		
83	RV4558DE*	30	170m	7.5m	300n	800n	24	300k	24	10k	3.0M	86	1.0	07	A042	FP6a		
84	VA5B145831	30	170m	7.5m	300n	800n	24	300k	24	10k	1.1M	86	800					

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINEAR

LINE No.	TYPE No.	PWR SUP @25°C		INPUT CHARACTERISTICS							MIN. OUTPUT CHAR. @25°C		MIN TRANSFER CHAR @ 25°C				T C O P E	DRAWINGS	
		1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	OVER OPERATING TEMP. RANGE		MAX VOLTAGE		MAX CURRENT		CM RANGE (ΔV)	DIFF IMP. (Ω)	P-P VOLT. (ΔV)	P-P CUR. (ΔA)	3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/μS)			CMRR (dB)
				3 DRFT (V/°C)	4 OFST (V)	5 OFFST (A)	6 BIAS (A)	7 CM RANGE (ΔV)	8 DIFF IMP. (Ω)										
1	A910C	30	180m	500n	1.0m	6.0n	30n	19	10M	20	10m	10k	60	3.0u	100	07	MP5bx		
2	910B	30	180m	1.0u	1.0m	500f	50n	20	500M	20	10m	10k	60	3.0u	100	07	MP5bx		
3	ADO72B	30	180m	1.0u	150u	20n	20n	19	600k	24	10m	400k	113	200m	198	28	A044 MP42f		
4	3420L	30	180m	1.0u	1.0m	500f	1.0p	20	100G	20	20m	1.0M	106	1.0	90	07	MP5f		
5	A910B	30	180m	1.0u	3.0m	6.0n	30n	20	10M	20	10m	10k	60	100	07	MP5bx			
6	1018-03	30	180m	1.5u	250u	2.0n	2.0n	20	4.0M	20	5.0m	500k	110	3.0n	100	28	MP5c		
7	3420K	30	180m	2.0u	1.0m	2.0p	4.0p	20	100G	20	20m	1.0M	106	1.0	90	07	MP5f		
8	910A	30	180m	3.0u	1.0m	50n	30n	20	500M	20	10m	10k	60	500m	100	07	MP5bx		
9	749BH*	30	180m	3.0u	1.0m	50n	300n	20	150k	28	2.5k	1.0M	86	2.0	90	28	A113 MP5f		
10	749BN*	30	180m	3.0u	1.0m	50n	300n	30	150k	28	2.5k	1.0M	86	2.0	90	28	A113 TO99		
11	749CN*	30	180m	3.0u	1.0m	50n	300n	30	150k	28	2.5k	1.0M	86	2.0	90	28	A113 TO116		
12	3241-12C	30	180m	3.0u	1.0m	50n	10p	20	100G	20	20m	1.0M	93	6.0	60	28	MP5by		
13	3241/12C	30	180m	3.0u	1.0m	50n	640p	22	1.0T	20	20m	1.0M	90	6.0	60	28	MP5		
14	3050S/01	30	180m	3.0u	3.0m	30m	400n	22	300k	20	20m	1.0M	93	1.2	90	5C	CN1c		
15	3054S/01	30	180m	3.0u	3.0m	30m	400n	22	300k	20	20m	1.0M	93	1.2	90	5C	CN1c		
16	A910A	30	180m	3.0u	3.0m	6.0n	30n	20	10M	20	10m	10k	60	100	07	MP5bx			
17	3054S01	30	180m	3.0u	3.2m	30n	440n	22	300k	20	10m	1.0M	93	1.2	90	5C	CN1c		
18	3050S01	30	180m	3.0u	3.3m	30n	460n	22	300k	20	10m	1.0M	93	1.2	90	5C	CN1c		
19	1003	30	180m	4.0u	5.0m	5.0p	10p	16	100G	20	20m	1.5M	106	6.0	120	28	MP8b		
20	1003-01	30	180m	5.0u	300u	5.0p	5.0p	16	100G	20	20m	1.5M	107	6.0	120	28	MP5f		
21	3114-12C	30	180m	5.0u	500u	10p	10p	20	100G	20	20m	3.0M	100	1.0	60	28	MP8b		
22	3352-03	30	180m	5.0u	500u	20p	20p	20	300k	20	20m	1.0M	93	900m	80	28	MP5g		
23	3114-12C	30	180m	5.0u	1.0m	10p	10p	20	100G	20	20m	1.0M	90	6.0	60	28	MP5by		
24	3420J	30	180m	5.0u	1.0m	5.0p	10p	20	100G	20	20m	1.0M	106	1.0	90	07	MP5f		
25	1010MT	30	180m	5.0u	3.0m	20n	100n	20	2.0M	20	25m	70M	100	280	86	5C	A302 TO99		
26	1010CT	30	180m	5.0u	5.0m	20n	200n	20	2.0M	20	25m	70M	100	250	80	07	A302 TO99		
27	PP65AH	30	180m	10u	10u	10n	300n	20	600k	22	4.4m	20M	105	5.0	60	28	MP6b		
28	PP65AHU	30	180m	10u	10u	10n	300n	20	600k	22	4.4m	20M	105	5.0	60	28	MP6b		
29	3068/17	30	180m	10u	500u	5n	5n	22	300k	20	20m	1.5M	100	1.2	80	28	MP15		
30	3068-17	30	180m	10u	500u	10n	500n	20	500k	20	20m	1.0M	94	1.2	80	28	MP287b		
31	3062-15	30	180m	10u	1.0m	20p	20p	54	100G	54	20m	1.0M	106	6.0	106	28	MP287a		
32	605Δ	30	180m	10u	2.0m	20p	20p	20	200k	22	50m	50M	113	4.0	28	MP6			
33	606	30	180m	10u	2.0m	20p	20p	20	200k	22	50m	50M	113	4.0	28	MP6			
34	705	30	180m	10u	2.0m	30p	30p	20	100G	22	50m	50M	120	5.0	28	MP8b			
35	3052A/01	30	180m	10u	2.0m	20n	30u	22	300k	20	20m	1.5M	100	1.2	100	28	CN1a		
36	3055A/01	30	180m	10u	2.0m	20n	30u	22	300k	20	20m	1.5M	100	1.2	100	28	CN1a		
37	9314	30	180m	10u	5.0m	100n	500n	16	100k	20	20m	6.0M	83	30	65	5C	A071 CN20		
38	9308	30	180m	10u	7.5m	200n	500n	16	100k	20	3.0k	120M	86	60	57	A072 CN20			
39	3062/15	30	180m	15u	50m	20p	20p	20	100G	20	20m	1.5M	106	6.0	100	48	MP2		
40	3115-12C	30	180m	15u	50m	10p	20p	20	100G	20	20m	3.0M	100	6.0	60	28	MP5f		
41	3226-03	30	180m	15u	500u	50n	50n	20	100k	20	20m	1.0M	93	900m	80	28	MP5g		
42	3115-12C	30	180m	15u	1.0m	20p	20p	20	100G	20	20m	1.0M	90	6.0	60	28	MP5by		
43	1528/13	30	180m	15u	2.0m	40n	40n	20	500k	20	40m	10M	96	30	48	MP1			
44	1525/16	30	180m	15u	2.0m	40n	40n	20	500k	20	40m	10M	96	30	48	14-1			
45	1525/25	30	180m	15u	2.0m	40n	40n	20	500k	20	40m	10M	96	30	48	MP2a			
46	1528/26	30	180m	15u	2.0m	40n	40n	20	500k	20	40m	10M	96	30	48	MP4			
47	1701/17	30	180m	15u	2.7m	80n	80n	20	300k	20	20m	1.5M	86	3.0	48	MP15			
48	2709BG	30	180m	15u	4.0m	100p	100p	16	100M	20	10k	84	60	5C	CN2				
49	10Q1ARQ	30	180m	20u	2.0m	25n	25n	20	400k	22	4.4m	5.0M	92	30	74	58	MP6j		
50	10Q1ARQA	30	180m	20u	2.0m	25n	25n	20	400k	22	4.4m	5.0M	92	30	74	58	MP6j		
51	10Q6ARQ	30	180m	20u	2.0m	25n	25n	20	400k	22	4.4m	2.0M	92	20	74	58	MP6k		
52	10Q6ARQA	30	180m	20u	2.0m	25n	25n	20	400k	22	4.4m	2.0M	92	20	74	58	MP6k		
53	10Q6ARQB	30	180m	20u	2.0m	25n	25n	20	400k	22	4.4m	2.0M	92	20	74	58	MP6k		
54	10Q9ARQ	30	180m	20u	2.0m	25n	25n	20	1.0M	22	4.4m	500k	86	5.0	74	58	MP6j		
55	10Q9ARQA	30	180m	20u	2.0m	25n	25n	20	1.0M	22	4.4m	500k	86	5.0	74	58	MP6k		
56	10Q9ARQB	30	180m	20u	2.0m	25n	25n	20	1.0M	22	4.4m	500k	86	5.0	74	58	MP6k		
57	CHA1	30	180m	20u	2.0m	20n	300u	20	200k	20	4.0m	1.0M	80	300m	70	58	MP30		
58	DA1a	30	180m	20u	2.0m	25n	25n	22	100k	20	6.0m	1.5M	89	60	28	MP9			
59	LA1	30	180m	20u	2.0m	25n	25n	22	100k	20	6.0m	1.5M	89	60	28	MP8b			
60	QA1	30	180m	20u	2.0m	25n	25n	22	100k	20	6.0m	1.5M	89	60	28	MP6m			
61	3014-13	30	180m	20u	2.0m	80n	80n	SE	500k	20	40m	6.0M	94	30	48	MP1			
62	3014-15	30	180m	20u	2.0m	80n	80n	SE	500k	20	40m	6.0M	94	30	48	MP2			
63	3014-16	30	180m	20u	2.0m	80n	80n	SE	500k	20	40m	6.0M	94	30	48	14-1			
64	3014-26	30	180m	20u	2.0m	80n	80n	SE	500k	20	40m	6.0M	94	30	48	MP4			
65	HA9-2500	30	180m	20u	8.0m	50n	400n	20	25M	20	20m	12M	86	25	80	5C	A231 TO86		
66	RA2500-2	30	180m	20u	8.0m	50n	400n	22	25M	20	20m	12M	86	25	80	5C	TO99		
67	RA2500-5	30	180m	20u	8.0m	50n	400n	22	25M	20	20m	12M	86	25	80	5C	TO86		
68	HA9-2502	30	180m	20u	10m	100n	500n	20	20M	20	20m	12M	82	20	74	5C	A231 TO86		
69	HA9-2505	30	180m	20u	10m	100n	500n	20	20M	20	20m	12M	82	20	74	07	A231 TO86		
70	HA9-2510	30	180m	20u	11m	50n	400n	20	50M	20	20m	12M	80	50	80	5C	A231 TO86		
71	HA9-2520	30	180m	20u	11m	50n	400n	20	50M	20	20m	20M	80	100	80	5C	A231 TO86		
72	RA2510-2	30	180m	20u	11m	50n	400n	22	50M	20	20m	12M	80	50	80	5C	TO99		
73	RA2510-5	30	180m	20u	11m	50n	400n	22	50M	20	20m	12M	80	50	80	5C	TO86		
74	RA2520-2	30	180m	20u	11m	50n	400n	22	50M	20	20m	18M	80	100	80	5C	TO99		
75	RA2520-5	30	180m	20u	11m	50n	400n	22	50M	20	20m	18M	80	100	80	5C	TO86		
76	116C	30	180m	25u	2.0m	25n	25n	20	200k	20	40m	2.0M	84	6.0	25	5C	MP5ac		
77	1557-15	30	180m	25u	2.0m	100p	100p	20	100G	20	20m	800k	90	3.0	60	28	MP287a		
78	3015/13	30	180m	25u	2.5m	80n	80n	20	500k	20	100m	1.0M	94	.60	48	MP1			
79	3015/15	30	180m	25u	2.5m	80n	80n	20	500k	20	100m	1.0M	94	.60	48	MP2			
80	3015/16	30	180m	25u	2.5m	80n</													

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	TYPE No.	PWR SUP RATED VOLT. (ΔV)	SPECS @ 25°C 1 TOT. IDLE P (W)	INPUT CHARACTERISTICS										MIN. OUTPUT CHAR. @ 25°C				MIN TRANSFER CHAR @ 25°C				T C E O M P E	DRAWINGS C K T. Δ - MO
				OVER OPERATING TEMP. RANGE		MAX VOLTAGE		MAX CURRENT		MIN. @ 25°C		CHAR. @ 25°C		3dB BW		O.L. SLEW RATE		CMRR					
				3 DRIFT (V/°C)	4 OFST (V)	5 MAX (V)	6 MAX (A)	7 BIAS (A)	8 CM RANGE (ΔV)	9 DIFF. IMP. (Ω)	10 P-P VOLT. (ΔV)	11 P-P CUR. (ΔA)	12 (Hz)	13 VOLT. GAIN (dB)	14 (V/μS)	15 (dB)	16 (dB)						
1	10Q10ARQA	30	180m	40uZt	4.0m	50n	500n	22	20M	22	4.4m	1.0M∅	89	10 ∅	66	58			MP6k				
2	10Q10ARQB	30	180m	40uZt	4.0m	50n	500n	22	20M	22	4.4m	1.0M∅	89	10 ∅	66	58			MP6k				
3	RA2501-1	30	180m	40u	4.0m	50n	500n	22	20k	20	4.0	600	16k	20	74	07			TO86				
4	RA2501-2	30	180m	40u	4.0m	50n	500n	22	20k	20	4.0	600	16k	20	74	07			TO100				
5	RA2511-1	30	180m	40u	4.0m	50n	500n	22	40k	20	4.0	600	8.0k	40	74	07			TO86				
6	RA2511-2	30	180m	40u	4.0m	50n	500n	22	40k	20	4.0	600	8.0k	40	74	07			TO100				
7	RA2521-1	30	180m	40u	4.0m	50n	500n	22	40k	20	4.0	1.0k	8.0k	80	74	07			TO86				
8	RA2521-2	30	180m	40u	4.0m	50n	500n	22	40k	20	4.0	1.0k	8.0k	80	74	07			TO100				
9	1300	30	180m	40u	5m	30n	1.0u	22	210k	20	4.0m	1.0M∅	80	600n	72	2A			14-4				
10	1301	30	180m	40u	5m	30n	1.0u	22	210k	20	4.0m	1.0M∅	80	600n	72	2A			CN1				
11	S52	30	180m	40u	5.0m	1.0u	50p	22	50k	20	4.0m	1.0M∅	80	600mt	72	2A			14-2				
12	T52	30	180m	40u	5.0m	1.0u	50p	22	50k	20	4.0m	1.0M∅	80	600mt	72	2A			TO99				
13	3112-12C	30	180m	50u	4.0m	50p	100p	20	100G	20	10m	1.0M∅	90	30	70	2A			MP5by				
14	1015MT	30	180m	50u	30m	5.0n	10n	20	1.0T	20	10m	100M	98	35	74	5C	A305		TO99				
15	3503T	30	180m	50u	30m	5.0f	10p	22	100G	20	10m	1.0M	90	2.5	86	5C			TO99				
16	1015CT	30	180m	50u	65m	500p	1.0n	20	1.0T	20	10m	100M	98	35	70	07	A305		TO99				
17	P65AU	30	180m	55u	5.0m	100n	20n	20	220k	22	4.4m	1.5M∅	98	1.5	60	28			CB1				
18	PP65AU	30	180m	55u	5.0m	1.2u	20n	20	150k	22	4.4m	1.3M∅	98	600m	60	28			MP6a				
19	1002MD*	30	180m	75u	20m	50n	15p	20	1.0M	24	10k∅	1.0M∅	94	6.0	70	5A	A271		16-14				
20	1001CT	30	180m	75u	50m	50n	50p	20	1.0M	24	10k∅	1.0M∅	86	6.0	70	07	A270		CN37a				
21	9728	30	180m	100u	10m	30p	100p	6.0	10G	20	60m	1.0G	80	1.0k	90	57							
22	108C	30	192m	5.0u	Δ	2.0n	Δ	20	Δ	4.0M	20	5.0m	500k∅	100	120m	80	48			MP6c			
23	115C	30	192m	5.0u	Δ	2.0n	Δ	20	Δ	4.0M	20	2.5m	500k	100	120m	80	48			MP5k			
24	108B	30	192m	10u	Δ	2.0n	Δ	20	Δ	4.0M	20	5.0m	500k∅	100	120m	80	48			MP6c			
25	115B	30	192m	10u	Δ	2.0n	Δ	20	Δ	4.0M	20	2.5m	500k	100	120m	80	48			MP5k			
26	108A	30	192m	20u	Δ	2.0n	Δ	20	Δ	4.0M	20	5.0m	500k∅	100	120m	80	48			MP6c			
27	115A	30	192m	20u	Δ	2.0n	Δ	20	Δ	4.0M	20	2.5m	500k	100	120m	80	48			MP5k			
28	SE5534AL	30	195m	3.0m	500n	1.5u	24	50k	24	600 ∅	10M∅	94	13	80	5C	A409a		CN1k					
29	SE5534L	30	195m	3.0m	500n	1.5u	24	50k	24	600 ∅	10M∅	94	13	80	5C	A409a		CN1k					
30	WC1709	30	195m	10m	750n	2.0u	16	50k	24	10k∅	10k	83	250mt	65	07			A115		CN11d			
31	L120*	30	195m	200m	50n	50n	30	200G	24	20k∅	3.0M∅	40	15	50	5C	A094			TO100				
32	DA18	30	195m	2.0u	Δ	5.0n	Δ	22	600k	22	4.4m	1.5M∅	92	1	900m	96	5A			MP5h			
33	DB18	30	195m	5.0u	Δ	5.0n	Δ	22	600k	22	4.4m	1.5M∅	92	1	900m	96	5A			MP5h			
34	D18	30	195m	10u	Δ	5.0n	Δ	22	600k	22	4.4m	1.5M∅	92	1	900m	96	5A			MP5h			
35	DC8	30	195m	10u	Δ	2.0n	Δ	22	200k	22	4.4m	5.0M∅	95	1.1	97	5A			MP5g				
36	DC16	30	195m	10u	Δ	2.0n	Δ	22	40M	22	4.4m	1.0M∅	100	110	5A				MP5h				
37	MC8	30	195m	10u	Δ	2.0n	Δ	22	200k	22	4.4m	5.0M∅	95	1.1	97	5A			MP27				
38	LF354N*	30	195m	10u	Δ	4.0n	8.0n	22	1.0T	24	10k∅	4.0M	88	13	70	07	A373f		14-50				
39	D12	30	195m	15u	Δ	30n	Δ	22	200k	22	4.4m	1.0M∅	100	700m	74	28			MP5h				
40	D8	30	195m	20u	Δ	2.0n	Δ	22	200k	22	4.4m	5.0M∅	95	1.1	97	5A			MP5g				
41	D16	30	195m	20u	Δ	2.0n	Δ	22	40M	22	4.4m	1.0M∅	100	110	5A				MP5h				
42	M8	30	195m	20u	Δ	2.0n	Δ	22	200k	22	4.4m	5.0M∅	95	1.1	97	5A			MP27				
43	D7	30	195m	25u	Δ	30n	Δ	22	200k	22	4.4m	1.0M∅	100	700m	74	28			MP5h				
44	D3	30	195m	45u	Δ	6.0n	Δ	20	30M	22	4.4m	1.0M∅	100	600m	110	5A			MP5h				
45	LM709CF	30	198m	6.0u	7.5m	50u	1.5u	16	50k	26	10k∅	5.0M∅	100	25	65	07							
46	MT709C	30	198m	6.0u	10m	750n	2.0u	16	50k	24	10k∅	83	250mt	65	07	A003			CN1c				
47	MT709CN	30	198m	6.0u	10m	750n	2.0u	16	50k	24	10k∅	83	250mt	65	07	A003			14-4e				
48	SFC2709PC	30	198m	6.0u	10m	750n	2.0u	16	50k	24	10k∅	83	250mt	65	07	A003			TO91				
49	LA709C-M	30	198m	12u	10m	750n	2.0u	3.0	50k	16	200k	100	250mt	65	07	A003			MPZ				
50	LA709CF	30	198m	12u	10m	750n	2.0u	3.0	50k	16	200k	100	250mt	65	07	A003			TO91				
51	LA709CG	30	198m	12u	10m	750n	2.0u	3.0	50k	16	200k	100	250mt	65	07	A003			CN1c				
52	LA709CH	30	198m	12u	10m	750n	2.0u	16	50k	20	2.0k∅	1.0M∅	83	250mt	65	07	A003			CN1c			
53	LA709CN	30	198m	12u	10m	750n	2.0u	16	50k	20	2.0k∅	1.0M∅	83	250mt	65	07	A003			14-4			
54	LM709CJ	30	198m	12u	10m	750n	2.0u	16	50k	24	10k∅	84	250mt	65	07	A003			14-20b				
55	LM709CN-8	30	198m	12u	10m	750n	2.0u	16	50k	24	10k∅	84	250mt	65	07	A003			8-16				
56	SFC2709PT	30	198m	20u	7.5m	300n	750n	16	70k	24	10k∅	87	250mt	65	28	A003			TO91				
57	AD512J	30	198m	20u	510m	50n	200n	24	1.0M	24	1.0k∅	90	500mt	80	07	A174			TO99				
58	AD512K	30	198m	20u	510m	50n	200n	24	1.0M	24	1.0k∅	90	500mt	80	07	A174			TO99				
59	AD512S	30	198m	20u	510m	50n	200n	24	1.0M	20	1.0k∅	90	500mt	80	5C	A174			TO99				
60	NE517A	30	200m	25u	5.0m	1.5u	5.0u	24	25k	20	2.0k∅	10k	78	30	70	07	A059			TO116			
61	NE517Q	30	200m	25u	5.0m	1.5u	5.0u	24	25k	20	2.0k∅	10k	78	30	70	07	A059			FP7b			
62	SE17Q	30	200m	25u	5.0m	1.5u	5.0u	24	25k	20	2.0k∅	10k	78	30	70	5C	A059			FP7b			
63	RC709NB	30	200m	7.5m	200n	1.5u	20	250k	24	10k∅	1.0M∅	83	400mt	65	07				8-11k				
64	ULN2139D	30	200m	9.0m	115n	1.2u	22	100k	20	2.0k∅	10k	86	800m	80	07	A174e			TO99				
65	ULN2139G	30	200m	9.0m	115n	1.2u	22	100k	20	2.0k∅	10k	86	800m	80	07	A172d			FPZ				
66	ULN2139H	30	200m	9.0m	115n	1.2u	22	100k	20	2.0k∅	10k	86	800m	80	07	A173f			MPZ				
67	709-9-5E	30	200m	10m	750n	2.0u	16	50k	24	10k∅	10k	83	800m	80	07				14-4				
68	709-9-36	30	200m	10m	750n	2.0u	16	50k	24	10k∅	10k	83	800m	80	07				TO91				
69	709CH	30	200m	10m	1.5u	500n	16	50k	24	10k∅	1.0M∅	83	800m	80	07				14-4				
70	709CN	30	200m	10m	1.5u	500n	16	50k	24	10k∅	1.0M∅	83	800m	80	07				TO116				
71	MA709CL	30	200m	10m	750n	2.0u	16	50k	24	10k∅	10k	83	800m	80	07				TO99				
72	N5709G	30	200m	10m	75u	2.0u	16	50k	24	2.0k∅	83	800m	80	07					TO91				
73	RC709Q	30	200m	10m	750n	2.0u	20	250k	24	10k∅	83	800m	80	07					FP2k				
74	RM709BD	30	200m	10m	750n	2.0u	20	250k	24	10k∅	83	800m											

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINEAR

LINE No.	TYPE No.	PWR SUP @ 25°C		INPUT CHARACTERISTICS						MIN. OUTPUT CHAR. @ 25°C		MIN TRANSFER CHAR @ 25°C			T O C	E O P E	DRAWINGS	
		1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	OVER OPERATING		TEMP. RANGE		MIN. @ 25°C		P-P VOLT. (ΔV)	P-P CUR. (ΔA)	3GB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/μS)				CMRR (dB)
				3 DRIFT (V/°C)	4 OFFSET (V)	MAX VOLTAGE (V)	MAX CURRENT (A)	CM RANGE (ΔV)	DIFF IMP. (Ω)									
1	MIC709-5	30	200m	36u	10m	75u	2.0u	16	50k	24	10k∅	82	800m	85	07	A003	CN1	
2	ULN2139M	30	200m	07	9.0m	115n	1.2u	22	100k	20	2.0k∅	10k	86	80	59	A200b	MP7	
3	MC1439P	30	201m	3.0u†	7.5m‡	150n	1.5u‡	22	100k	20	2.0k∅	10k	83	80	07	A037	MP13-3c	
4	SE531NT	30	210m		6.0u	200ns		20	20M†	20	10k∅	1.0M	94	20	70	5C	A422	
5	RM4531DN	30	210m		6.0m	500n	1.5u	20	30	20	2.0k∅		93	35 †	70	5C	A211	
6	SE531H	30	210m		6.0m	500n		20	20M†	20	10k∅	500k	88	35 †	70	5C	A422	
7	uA715DM	30	210m		7.5m	800n	4.0u	20	1.0M†	20	2.0k∅		84	70 †	74	5C	A106	
8	RM4531D	30	210m		6.0	500n	1.5u	20	300k	20	2.0k∅		94	35 †	70	5C	A211	
9	9802	30	210m	1.0u	25u		50p		2.0M	20	2.0m	15M∅	180	100	28		MP6p	
10	207A1	30	210m	1.0u‡	200u‡	20n	75ns	22	500k†	20	10m	2.0M∅	100	2.0	94	5C	CN2	
11	207A2	30	210m	2.0u‡	200u‡	20n	75ns	22	500k†	20	10m	2.0M∅	100	2.0	94	5C	CN2	
12	HB50	30	210m	5.0u			5.0p	20	100G	20	10m	4.0M∅	86	3.0	70	5C	CN2	
13	109A1	30	210m	5.0u‡	500u‡		1.0n‡	22	4.0M†	20	10m	4.0M∅	112	4.0	92 †	28		
14	207B1	30	210m	5.0u‡	500u‡	20n	75ns	22	500k†	20	10m	2.0M∅	100	2.0	94	5C	MP72	
15	3117-12C	30	210m	5.0u	500u‡		20ns	20	300k†	20	20m	1.0M∅	93	900m	80 †	28		
16	DB25	30	210m†	5.0u	75m	50p		20	100G	20	40m	2.5M∅	100	6.0	72	5C	MP5g	
17	208A1	30	210m	5.0u‡	1.0m‡		5.0p‡	14	100G†	20	10m	4.0M∅	100	3.0	80 †	28		
18	LFT156H	30	210m	5.0u	1.0m	1.0n	5.0n	22	1.0T†	24	10k∅	4.5M†	94	10	95	5C	CN1d	
19	LFT356H	30	210m	5.0u	1.0m	1.0n	5.0n	22	1.0T†	24	10k∅	4.5M†	94	10	95	5C	A361a	
20	3348-03	30	210m	5.0u	2.0m‡		10p‡	20	100G†	20	10m	1.0M∅	86	3.0	80 †	28		
21	uAF156AHC	30	210m	5.0u†	2.0m	10p‡	50p‡	22	1.0T†	24	10k∅	5.0M∅	94	15 †	85	07	A327	
22	PM356AP	30	210m	5.0u	2.3m	1.0n	5.0n	20	1.0T†	20	2.0k∅	4.0M‡	94	10	85	07	A200a	
23	PM357AP	30	210m	5.0u	2.3m	1.0n	5.0n	20	1.0T†	20	2.0k∅	15M‡	94	40	85	07	A200a	
24	uAF356AHC	30	210m	5.0u	2.3m	1.0n	5.0n	22	1.0T†	24	10k∅	4.0M‡	94	10	85	07	A327	
25	LF156AF	30	210m	5.0u	2.5m	10n	25n	22	1.0T†	24	10k∅	4.5M†	96	10	85	5C	A349b	
26	LF156AL	30	210m	5.0u	2.5m	10n	25n	22	1.0T†	24	10k∅	4.0M†	94	10	85	5C	A349a	
27	LF157AF	30	210m	5.0u	2.5m	10n	25n	22	1.0T†	24	10k∅	2.0M†	96	40	85	5C	A349b	
28	LF157AL	30	210m	5.0u	2.5m	10n	25n	22	1.0T†	24	10k∅	15M∅	94	40	85	5C	A349a	
29	uAF156AHM	30	210m	5.0u†	2.5m	10n	25n	22	1.0T†	24	10k∅	4.0M‡	94	10	85	5C	A327	
30	1339-02	30	210m	5.0u†	3.0m‡	60ns	500ns	22	100k	20	20m	1.0M∅†	93	34 †	80	5C	T099	
31	LF256DE	30	210m	5.0u†	6.5m	1.0n	5.0n	22	1.0T†	24	10k∅	5.0M†	96	7.5	85	28	A349	
32	LF257DE	30	210m	5.0u†	6.5m	1.0n	5.0n	22	1.0T†	24	10k∅	2.0M†	96	30	85	28	A349	
33	RC4156ADB	30	210m	5.0u†	6.5m	100n	400n	24	5.0M†	20	10m	2.8M∅	88	1.3	80	07		
34	RC4156ADC	30	210m	5.0u†	6.5m	100n	400n	24	5.0M†	20	10m	2.8M∅	88	1.3	80	07		
35	LF156F	30	210m	5.0u†	7.0m	20n	50n	22	1.0T†	24	10k∅	5.0M†	96	7.5	85	5C	A349b	
36	LF156L	30	210m	5.0u†	7.0m	20n	50n	22	1.0T†	24	10k∅	4.5M†	94	7.5	85	5C	A349a	
37	LF157F	30	210m	5.0u†	7.0m	20n	50n	22	1.0T†	24	10k∅	2.0M†	96	30	85	5C	A349b	
38	1339-01	30	210m	5.0u†	7.5m‡	60ns	600ns	22	100k	20	20m	1.0M∅†	92	34 †	80	07	T099	
39	1681	30	210m†	10u		13n†	50n	20 †	1.0M†	20	6.0m	1.5M∅	90	1.0	80	28	MP5y	
40	HC50	30	210m	10u			5.0p	20	100G	20	10m	4.0M∅	86	3.0	70	5C	CN2	
41	3044/15	30	210m	10u‡	30m‡		5.0n‡	20 †	500k†	22	20m	2.0M†	110	1.0	100	48	MP2	
42	109A2	30	210m	10u‡	500u‡		1.0n‡	22	4.0M†	20	10m	4.0M∅	112	4.0	92 †	28	MP2	
43	3044-15	30 †	210m	10u	500u‡		10ns	56	500k†	56	20m	2.0M∅	110	1.0	100 †	28	MP287b	
44	DC25	30	210m†	10u	75m	50p		20	100G	20	40m	2.5M∅	100	6.0	72	5A	MP5g	
45	207C1	30	210m	10u‡	1.0m‡		75ns	22	500k†	20	10m	2.0M∅	100	2.0	94	5C	CN2	
46	208A2	30	210m	10u‡	1.0m‡		5.0p‡	14	100G†	20	10m	4.0M∅	100	3.0	80 †	28		
47	3118-12C	30	210m	10u	1.0m‡		30ns	20	300k†	20	20m	1.0M∅	93	900m	80 †	28		
48	OP16FP	30	210m	10u	1.5m	1.1n	1.4n	23	1.0T†	22	2.0k∅	18M∅†	97	12	86	07	A200a	
49	3349-03	30	210m	10u	2.0m‡		10p‡	20	100G†	20	10m	1.0M∅	86	3.0	80 †	28		
50	OP17FP	30	210m	10u	2.0m‡	14n	18n	23	1.0T†	22	2.0k∅	10M∅†	97	35	86	07	A200a	
51	ATF406	30	210m†	10u	5.0m‡	50ns	150ns	24	500k	24	10m	5.0M∅	99	30	75	28	A023a	
52	ATF408	30	210m†	10u	5.0m‡	50ns	150ns	24	500k	24	10m	5.0M∅	99	30	75	28	A023a	
53	ICL8017MTZ	30	210m	10u†	6.0m‡	500n		30 †	500k	24	2.0k∅	10M†	87	130 †	75	5C	MP32b	
54	1339	30	210m	12u†	7.5m‡	100ns	1.0u‡	22	100k	20	10m	1.0M∅†	83	34 †	80	07	A163	
55	1618	30	210m†	15u		75n†	150p	12 †	300k†	20	10m	2.0M∅	90	1.5	80	28	MP5y	
56	1509/13	30	210m	15u	1.5m‡	50n‡		20	500k†	20	40m	1.0M‡	114	1.0	48	48	MP1	
57	1509/15	30	210m	15u	1.5m‡	50n‡		20	500k†	20	40m	1.0M‡	114	1.0	48	48	MP2	
58	1509/16	30	210m	15u	1.5m‡	50n‡		20	500k†	20	40m	1.0M‡	114	1.0	48	48	MP4	
59	1509/26	30	210m	15u	1.5m‡	50n‡		20	500k†	20	40m	1.0M‡	114	1.0	48	48	MP4	
60	1952	30	210m†	15u	2.0m‡	250ps		20	10G†	20	40m	1.0M∅	94	10	48	48	MP16	
61	3077-12C	30	210m	20u		100ns		20	300k†	20	10m	1.0M∅	93	900m	80	28	MP292a	
62	SA3	30	210m	20u	50u†	2.0n		22	1.0M†	20	6.0m	500k∅†	89		28	28	MP101	
63	SD3	30	210m	20u	50u†	2.0n		22	1.0M†	20	6.0m	500k∅†	89		28	28	MP101a	
64	SK3	30	210m	20u	50u†	2.0n		22	1.0M†	20	6.0m	500k∅†	89		28	28	MP101b	
65	SQ3	30	210m	20u	50u†	2.0n		22	1.0M†	20	6.0m	500k∅†	89		28	28	MP102	
66	DE25	30	210m†	20u	75m	50p		20	100G	20	40m	2.5M∅	100	6.0	72	5A	MP5g	
67	109B1	30	210m	20u‡	1.0m‡		1.0ns	22	4.0M†	20	10m	4.0M∅	112	4.0	92 †	28		
68	3119-12C	30	210m	20u	2.0m‡		50ns	20	300k†	20	20m	1.0M∅	93	900m	80 †	28		
69	3350-03	30	210m	20u	2.0m‡		50ps	20	100G†	20	10m	1.0M∅	86	3.0	80 †	28		
70	007D1	30	210m	20u‡	5.0m‡	20n	300ns	22	500k†	20	10m	2.0M∅	100	2.0	94	28	MP58g	
71	107D1	30	210m	20u‡	5.0m‡	20n	300ns	22	500k†	20	10m	2.0M∅	100	2.0	94	28	MP5n	
72	207D1	30	210m	20u‡	5.0m‡	20n	100ns	22	500k†	20	10m	2.0M∅	100	2.0	94	5C	CN2	
73	247D1	30	210m	20u‡	5.0m‡	20n	100ns	22	500k†	20	10m	2.0M∅	100	2.0	94	5C	CN2	
74	ADO49A	30	210m	20u	5.0mΔ	200ns	500ns	16	150k	20	10m	500k‡	88	200m	66	5C	A055	
75	JANM38510/11003AAA*	30 †	210m	20u	5.0m	75n	325n	30		32	10k∅	94	800m	76	5C	A451	FP24d	
76	JANM38510/11003AAB*	30 †	210m	20u	5.0m	75n	325n	30		32	10k∅	94	800m	76	5C	A451	FP24d	
77	JANM38510/11003AAC*	30 †	210m	20u	5.0m	75n	325n	30		32	10k∅	94	800m	76	5C	A451	FP24d	
78	JANM38510/11003ACA*	30 †	21															

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	TYPE No.	PWR SUP RATED @ 25°C	INPUT CHARACTERISTICS							MIN. OUTPUT CHAR. @ 25°C		MIN TRANSFER CHAR @ 25°C				T C E O M P E	DRAWINGS			
			1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	OVER OPERATING TEMP. RANGE		MAX VOLTAGE		MAX CURRENT		CM RANGE (ΔV)	DIFF IMP. (Ω)	P-P VOLT. (ΔV)	P-P CUR. (ΔA)	3dB BW (Hz)			O.L. VOLT. GAIN (dB)	SLEW RATE (V/μS)	CMRR (dB)
					3 DRFT (V/°C)	4 OFST (V)	5 MAX VOLTAGE (V)	6 MAX CURRENT (A)	7 BIAS RANGE (ΔV)	8 DIFF IMP. (Ω)										
1	JANM38510/11003CCA*	30	210m	20u	5.0m	75n	325n	30	32	10k∅	94	800m	76	5C	A451	14-19				
2	JANM38510/11003CCB*	30	210m	20u	5.0m	75n	325n	30	32	10k∅	94	800m	76	5C	A451	14-19				
3	JANM38510/11003CC*	30	210m	20u	5.0m	75n	325n	30	32	10k∅	94	800m	76	5C	A451	14-19				
4	JANM38510/11003CDA*	30	210m	20u	5.0m	75n	325n	30	32	10k∅	94	800m	76	5C	A451	FP25				
5	JANM38510/11003CDB*	30	210m	20u	5.0m	75n	325n	30	32	10k∅	94	800m	76	5C	A451	FP25				
6	JANM38510/11003CDC*	30	210m	20u	5.0m	75n	325n	30	32	10k∅	94	800m	76	5C	A451	FP25				
7	ADO49C	30	210m	20u	5.0m	75n	325n	30	32	10k∅	94	800m	76	5C	A451	FP25				
8	1764	30	210m	25u	7.5mΔ	500ns	1.5uS	16	50k	20	10m	1.5M∅	109	3.5	74	58	A055	CNE		
9	208B1	30	210m	25uS	1.0mS	30p	5.0pS	14	100G	20	10m	4.0M∅	100	3.0	80	5C		MP35a		
10	AD516KH	30	210m	25u	1.0m	10p	20p	20	100G	24	5.0m	1.0M	74	5.0	80	07		TO99		
11	P501B	30	210m	25u	1.0m	10p	20p	20	100G	20	10m	4.0M∅	90	3.0	80	28		MP72		
12	P501C	30	210m	25u	1.0m	10p	5.0p	20	100G	20	10m	4.0M∅	90	3.0	80	28		MP72		
13	AD513KH	30	210m	25u	2.0m	10p	20p	20	100G	24	5.0m	1.0M∅	74	5.0	80	07		TO99		
14	Q85AH	30	210m	27u	Δ	10nS	220nS	22	2.0M	22	4.4m	3.0M∅	92	8.0	80	5C		CN2		
15	D25	30	210m	30u	7.5m	50p	20p	20	100G	20	40m	2.5M∅	100	6.0	72	5A		MP5g		
16	D2	30	210m	30u	6.0mΔ	60n	2.2	22	400k	22	1.1m	1.0M∅	85	1.8	100	58		MP5aq		
17	109C1	30	210m	40uS	2.0mS	2.0nS	2.0nS	22	4.0M	22	10m	4.0M∅	112	4.0	92	28		MP72		
18	DK25	30	210m	45u	7.5m	50p	20p	20	100G	20	40m	2.5M∅	100	6.0	72	5A		MP5g		
19	ZC801E1	30	210m	50u	1.0mS	10p	25pS	20	100G	20	14m	4.0M∅	100	6.0	28		A166	MP238		
20	208B2	30	210m	50uS	1.0mS	5.0pS	14	100G	20	10m	4.0M∅	100	3.0	80	5C		CN2			
21	AD516SH	30	210m	50u	1.0m	10p	20p	20	100G	24	5.0m	1.0M	74	5.0	80	5C		TO99		
22	DL25	30	210m	50u	1.5m	100p	20p	20	100G	20	40m	2.5M∅	98	4.5	60	5A		MP5g		
23	007E1	30	210m	50uS	10mS	20n	500nS	22	500k	20	10m	2.0M∅	100	2.0	94	28		FP15		
24	107E1	30	210m	50uS	10mS	20n	500nS	22	500k	20	10m	2.0M∅	100	2.0	94	28		MP6n		
25	207E1	30	210m	50uS	10mS	20n	150nS	22	500k	20	10m	2.0M∅	100	2.0	94	5C		CN2		
26	247E1	30	210m	50uS	10mS	20n	150nS	22	500k	20	10m	2.0M∅	100	2.0	94	5C		CN2		
27	9694	30	210m	50u	15m	15n	100n	24	1.0M	20	200m	100mS	76	100	90	57				
28	9302	30	210m	50uS	20mS	300nS	1.0uS	20	100k	20	20m	3.5k	70	6.0	70	07	A071	CN20b		
29	AD513SH	30	210m	50u	20m	10p	20p	20	100G	24	5.0m	1.0M∅	74	5.0	80	5C		TO99		
30	AD019	30	210m	60u	5.0mΔ	10p	100pS	18	10G	20	10m	250kS	100	500m	60	28	A053b	MP42e		
31	208B3	30	210m	75uS	2.0mS	5.0pS	14	100G	20	10m	4.0M∅	100	3.0	80	5C		CN2			
32	P501A	30	210m	75u	2.0m	25p	20p	20	100G	20	10m	4.0M∅	90	3.0	80	28		MP72		
33	AD516JH	30	210m	75u	3.0m	20p	30p	20	100G	24	5.0m	1.0M	66	5.0	70	07		TO99		
34	AD513JH	30	210m	75u	50m	20p	30p	20	100G	24	5.0m	1.0M∅	66	5.0	70	07		TO99		
35	ATF404	30	210m	100u	Δ	10p	50p	20	10G	20	10m	4.0M∅	90	12	74	28	A129	MP174a		
36	D4	30	210m	100u	Δ	20p	20p	20	100G	20	10	3.0M∅	90	4.0	80	5C				
37	P2A	30	210m	100u	Δ	10p	600	10G	22	4.4m	75k∅	86	66m	06	A087	MP99				
38	DZ25	30	210m	100u	7.5m	50p	10p	20	100G	20	40m	2.5M∅	100	6.0	72	5A		MP5g		
39	O08C1	30	210m	100uS	5.0mS	5.0pS	14	100G	20	10m	4.0M∅	100	3.0	76	28		FP15			
40	108C1	30	210m	100uS	5.0mS	5.0pS	14	100G	20	10m	4.0M∅	100	3.0	76	28		MP6n			
41	109D1	30	210m	100uS	5.0mS	5.0pS	14	100G	20	10m	4.0M∅	112	4.0	92	28		MP72			
42	208C1	30	210m	100uS	5.0mS	5.0pS	14	100G	20	10m	4.0M∅	100	3.0	80	5C		CN2			
43	248C1	30	210m	100uS	5.0mS	5.0pS	14	100G	20	10m	4.0M∅	100	3.0	76	5C		CN2			
44	9829	30	210m	100u	10m	10u	10u	20	3.0k	20	100m	200mS	80	60	110	5A		MP5cg		
45	O08C2	30	210m	150uS	5.0mS	10pS	14	100G	20	10m	4.0M∅	100	3.0	76	28		FP15			
46	108C2	30	210m	150uS	5.0mS	10pS	14	100G	20	10m	4.0M∅	100	3.0	76	28		MP6n			
47	208C2	30	210m	150uS	5.0mS	10pS	14	100G	20	10m	4.0M∅	100	3.0	76	5C		CN2			
48	248C2	30	210m	150uS	5.0mS	10pS	14	100G	20	10m	4.0M∅	100	3.0	76	5C		CN2			
49	109E1	30	210m	150uS	10mS	10nS	22	4.0M	20	10m	4.0M∅	112	4.0	92	28		MP72			
50	1953	30	210m	150uS	20mS	1.2nZ	20	10T	20	40m	1.0M∅	94	10	48			MPZ			
51	P2AU	30	210m	153u	Δ	100p	600	10G	22	4.4m	75k∅	86	66m	06	A087	MP99				
52	RM4709AD*	30	216m	2.0u	3.0m	250n	600n	16	700k	24	10k∅	88	80	5C	A003	14-5				
53	RM4709J*	30	216m	2.0u	3.0m	250n	600n	16	700k	24	10k∅	88	80	5C	A003	FP6a				
54	RM4709T*	30	216m	2.0u	3.0m	250n	600n	16	700k	24	10k∅	88	80	5C	A003	TO99				
55	RM4709AJ*	30	216m	2.0	3.0m	250n	600n	16	700k	24	10k∅	88	80	5C	A003	FP6a				
56	RM4709AT*	30	216m	2.0	3.0m	250n	600n	16	700k	24	10k∅	88	80	5C	A003	TO99				
57	RM4709*	30	225m	6.0m	6.0m	200nS	200nS	20	400k	24	10k∅	93	5C	A003	14-5					
58	RC4709C*	30	225m	10m	400nS	20	150k	24	150k	24	10k∅	93	07	A003	14-5					
59	MC1537P	30	225m	1.5u	6.0m	500n	1.5u	16	150k	24	10k∅	88	70	5C	A036	14-3c				
60	RM4709A*	30	225m	2.0u	3.0m	25u	600u	16	350k	24	10k∅	88	80	5C	A003	14-5				
61	RC4709DP	30	225m	3.0u	6.0m	500n	1.5u	16	400k	24	10k∅	88	70	07	A003	14-5				
62	RM4709D*	30	225m	3.0u	6.0m	500n	1.5u	16	400k	24	10k∅	88	70	5C	A003	14-5				
63	RM4709C*	30	225m	3.0u	10m	75u	2.0u	16	50k	24	10k∅	83	65	07	A003	14-5				
64	807BE	30	225m	10u	3.0m	250n	1.5u	16	500k	24	10k	90	80	5C	A018	TO100				
65	807BH	30	225m	10u	3.0m	250n	1.5u	16	500k	24	10k	90	80	5C	A018	FP5				
66	808AE	30	225m	10u	5.0mS	15nS	250n	16	1.0M	24	5.0M∅	88	90	5C	A018	TO100				
67	UC4000	30	225m	10u	6.0mΔ	30n	250n	20	800k	20	10k∅	86	1.0	90	5C		TO101			
68	808CE	30	225m	14uS	5.0mS	40nS	75nS	18	2.0M	20	10k∅	88	70	0A	A018	CN2				
69	805BE	30	225m	20u	7.0m	250n	1.5u	16	500k	24	10k	90	70	5C	A018	TO100				
70	805BH	30	225m	20u	7.0m	250n	1.5u	16	500k	24	10k	90	70	5C	A018	FP5				
71	806BE	30	225m	20u	7.0m	250n	1.5u	16	500k	24	10k	90	70	5C	A018	TO100				
72	806BH	30	225m	20u	7.0m	250n	1.5u	16	500k	24	10k	90	70	5C	A018	FP5				
73	T82AH	30	225m	20u	7.0m	50nS	1.5u	16	500k	24	20m	89	90	5C		TO100				
74	UC4001	30	225m	20u	12mΔ	65n	400n	20	800k	20	10k∅	86	1.0	90	5C		TO101			
75	808BE	30	225m	30u	10mS	30nS	250n	16	1.0M	24	5.0M∅	88	90	5C	A018	TO100				
76	UC4002	30	225m	40u	14mΔ	120n	600n	20	800k	20	10k∅	86	1.0	90	5C		TO101			
77	RC4709D*	30	225m	3.0	10m	750n	2.0u	16	150k	24	10k∅	83	65	07	A003	14-5				
78	RC4709J*	30	225m	3.0	10m	750n	2.0u	16	150k	24	10k∅	83	65	07	A003	FP6a				
79	RC4709T*	30	225m	3.0	10m	750n	2.0u	16	150k	24	10k∅	83	65	07	A003	TO99				
80	1407-01																			

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	TYPE No.	PWR SUP RATED @25°C	INPUT CHARACTERISTICS										MIN. OUTPUT CHAR. @25°C		MIN TRANSFER CHAR @ 25°C				T C	E M D	DRAWINGS
			OVER OPERATING		TEMP. RANGE		MAX VOLTAGE		MAX CURRENT		CM RANGE (ΔV)	DIFF IMP. (Ω)	P-P VOLT. (ΔV)	P-P CUR. (ΔA)	3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/μS)	CMRR (dB)			
			1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	3 DRFT (V/°C)	4 OFST (V)	5 CM RANGE (ΔV)	6 MAX VOLTAGE (V)	7 MAX CURRENT (A)	8 BIAS (A)											
1	SG218T	30	240m	6.0m	100n	500n	23	1.0M	24	2.0k∅	15M	93	50	80	28	A209	TO99				
2	MC1458CNG*	30	240m	12m	400n	1.0u	22	2.0M	22	10k∅	1.1M	86	500m	60	07	A014a	TO99				
3	MC1458CNL*	30	240m	12m	400n	1.0u	22	2.0M	22	10k∅	1.1M	86	500m	60	07	A014b	TO116				
4	MC1458CNP1*	30	240m	12m	400n	1.0u	22	2.0M	22	10k∅	1.1M	86	500m	60	07	A014c	8-12				
5	MC1458CNP2*	30	240m	12m	400n	1.0u	22	2.0M	22	10k∅	1.1M	86	500m	60	07	A014b	14-18				
6	HA2-2050A	30	240m	17mΔ	5.0p	10n	20	1.0T	20	20m	20M	73	120	74	5C	A228	TO99				
7	HA2-2055A	30	240m	17mΔ	5.0p	10n	20	1.0T	20	20m	20M	73	120	74	5C	A228	TO99				
8	HA2-2050	30	240m	30mΔ	5.0p	10n	20	1.0T	20	20m	20M	73	120	74	5C	A228	TO99				
9	uA740HC	30	240m	30mΔ	60pt		20	1.0T	24	10k∅	1.0M	86	6.0	55	07	A131	CN1d				
10	HA2-2055	30	240m	65mΔ	5.0p	1.0n	20	1.0T	20	20m	20M	73	120	74	5C	A228	TO99				
11	1538A-13	30	240m	100u	200p		20	500k	20	40m	10M	160	30	48			MP1				
12	1538A-16	30	240m	1.0u	100u	200p		500k	20	40m	10M	160	30	48			MP2a				
13	1538A-25	30	240m	1.0u	100u	200p		500k	20	40m	10M	160	30	48			MP4				
14	1538A-26	30	240m	1.0u	100u	200p		500k	20	40m	10M	160	30	48			MP5g				
15	D28	30	240m	1.5u	2.0m	50p		8.0	100G	20	4.0m	1.0M	110	30	100	5A					
16	DA21B	30	240m	2.0u	5.0m	50p		10	100G	20	4.0m	3.0M	110	6.0	92	5A					
17	DA28	30	240m	2.0u	3.0m	60n		8.0	600k	20	4.0m	1.0M	110	30	100	5A					
18	KM54	30	240m	2.7u	2.0m	15u		8.0	5.0M	22	10m	10M	106	9.0	28		MP5ac				
19	132AC03	30	240m	5.0u	Δ	10p	50ps	20	100G	20	40m	2.5M	106	5.0	74	25	A053	MP5ac			
20	JFT2B	30	240m	5.0u	Δ		100ps	20	100G	24	20m	3.0M	104	10	86	49		MP38			
21	QFT2B	30	240m	5.0u	Δ		100ps	20	100G	24	20m	3.0M	104	10	86	49		MP5c			
22	QFT2B	30	240m	5.0u	Δ		100ps	20	100G	24	20m	3.0M	104	10	86	49		MP5			
23	H6020C	30	240m	5.0u	300u	60n	150ns	20	500k	20	6.0m	5.0M	86	2.5	90	4A	A136	MP5aa			
24	DB19	30	240m	5.0u	50m	50p		10	100G	20	20m	4.0M	110	6.0	92	5A		MP5g			
25	DB21B	30	240m	5.0u	5.0m	50p		10	100G	20	40m	3.0M	110	6.0	92	5A		MP2			
26	0-578A1	30	240m	5.0u	1.0m	10ps		20	100G	20	10m	4.5M	86	15	76	28		FP30			
27	1-578A1	30	240m	5.0u	1.0m	10ps		20	100G	20	10m	4.5M	86	15	76	28		MP338			
28	H50A1	30	240m	5.0u	1.0m	10ps		20	100G	02	10m	4.5M	86	15	76	5C		CN2q			
29	1556/13	30	240m	5.0u	1.3m	100ps		20	100G	20	40m	1.0M	100	6.0	48			MP1			
30	1556/15	30	240m	5.0u	1.3m	100ps		20	100G	20	40m	1.0M	100	6.0	48			MP2			
31	1556/16	30	240m	5.0u	1.3m	100ps		20	100G	20	40m	1.0M	100	6.0	48			14-1			
32	1556/26	30	240m	5.0u	1.3m	100ps		20	100G	20	40m	1.0M	100	6.0	48			MP4			
33	DB26	30	240m	5.0u	2.0m	60n		8.0	600k	20	4.0m	1.0M	110	30	100	5A		MP5g			
34	132AC	30	240m	10u	Δ	10p	50ps	20	100G	20	40m	2.5M	106	5.0	74	25	A053	MP5ac			
35	D2	30	240m	10u	Δ	15n		250k	20	40m	100M	100	100	58			MP5c				
36	JFT2A	30	240m	10u	Δ		100ps	20	100G	24	20m	3.0M	104	10	86	49		MP38			
37	QFT2A	30	240m	10u	Δ		100ps	20	100G	24	20m	3.0M	104	10	86	49		MP5c			
38	QFT12A	30	240m	10u	Δ		100ps	20	100G	24	20m	3.0M	104	10	86	49		MP5			
39	DC19	30	240m	10u	50m	50p		10	100G	20	20m	4.0M	110	6.0	92	5A		MP5g			
40	0-578A2	30	240m	10u	1.0m	10ps		20	100G	20	10m	4.5M	86	15	76	28		FP30			
41	1-578A2	30	240m	10u	1.0m	10ps		20	100G	20	10m	4.5M	86	15	76	28		MP338			
42	H50A2	30	240m	10u	1.0m	10ps		20	100G	20	10m	4.5M	86	15	76	5C		CN2q			
43	0-578C	30	240m	10u	2.0m	10ps	10ps	20	100G	20	10m	4.5M	86	15	80	5C		FP1			
44	ICL8017CTZ	30	240m	10u	7.5m	50n	30	Δ	20	2.0k∅	10M	87	130	10	57	A163	TO100				
45	D22	30	240m	15u	Δ	10n		600k	20	40m	1.0M	100	600m	80	58			MP2			
46	D22B	30	240m	15u	Δ	10n		600k	20	40m	1.0M	100	60	80	58			MP2			
47	SQ210	30	240m	15u	Δ	10n	100ns	20	100k	20	40m	1.0M	100	1.0	80	5A		MP5c			
48	SQ215	30	240m	15u	2.0m	50ps		20	100G	20	40m	1.0M	100	6.0	60	48			MP2		
49	1552/16	30	240m	15u	2.0m	50ps		20	100G	20	40m	1.0M	100	6.0	60	48			14-1		
50	3013/13	30	240m	15u	2.0m	100ps		20	100G	20	40m	8.0M	86	30	48			MP1			
51	3013/13	30	240m	15u	2.0m	100ps		20	100G	20	40m	8.0M	86	30	48			MP2			
52	3013/16	30	240m	15u	2.0m	100ps		20	100G	20	40m	8.0M	86	30	48			14-1			
53	3013/26	30	240m	15u	2.0m	100ps		20	100G	20	40m	8.0M	86	30	48			MP4			
54	1554/13	30	240m	15u	2.5m	100ps		20	100G	20	40m	1.0M	94	5.5	5C			MP1			
55	1554/15	30	240m	15u	2.5m	100ps		20	100G	20	40m	1.0M	94	5.5	5C			MP2			
56	1554/16	30	240m	15u	2.5m	100ps		20	100G	20	40m	1.0M	94	5.5	5C			14-1			
57	1554/26	30	240m	15u	2.5m	100ps		20	100G	20	40m	1.0M	94	5.5	5C			MP4			
58	OP16CP	30	240m	15u	3.8m	1.7n	20n	23	1.0T	22	2.0k∅	17M	94	9.0	82	07	A200a	8-4c			
59	ADX118	30	240m	15u	4.0m	50n	250n	22	1.0M	24	2.0k∅	15M	88	50	80	5C	A071	CN1c			
60	OP17GP	30	240m	15u	4.5m	22n	25n	23	1.0T	22	2.0k∅	9.0M	94	25	82	07	A200a	8-4c			
61	1458CE*	30	240m	15u	12m	400n	1.0u	26	1.0M	22	10k∅	14k	86	800m	60	07	A042p	TO99			
62	1458CP*	30	240m	15u	12m	400n	1.0u	26	1.0M	22	10k∅	14k	86	800m	60	07	A042p	8-15			
63	10L2LA	30	240m	20u	Δ	50ns	20	300k	20	40m	1.0M	106	10	80	58			MP111			
64	10L4LA	30	240m	20u	Δ	10ns	20	1.0M	20	40m	500k	100	5.0	80	58			MP111			
65	SQ2	30	240m	20u	Δ	15n	22	500k	20	10m	1.2M	103						MP6f			
66	SQ16	30	240m	20u	Δ	25ns	22	150k	22	10m	1.0M	83	1.2	75	28			MP5c			
67	DE19	30	240m	20u	50m	50p		10	100G	20	20m	4.0M	110	6.0	92	5A		MP5g			
68	DE21B	30	240m	20u	50m	50p		10	100G	20	40m	3.0M	110	6.0	92	5A		MP2			
69	KM42M	30	240m	20u	3.8m	50pt		10T	20	40m	5.0M	87		60	5C			MP15			
70	LM118D883	30	240m	20u	6.0m	100n	500n	23	1.0M	24	2.0k∅	15M	94	50	80	5C	A209	14-9			
71	D11	30	240m	25u	Δ	25p		600k	20	40m	800k	100	600m	80	58			MP5j			
72	D11B	30	240m	25u	Δ	25n		600k	20	40m	800k	100	60	80	58			MP2			
73	0-578B1	30	240m	25u	1.0m	10ps		20	100G	20	10m	4.5M	86	15	76	28			FP30		
74	1-578B1	30	240m	25u	1.0m	10ps		20	100G	20	10m	4.5M	86	15	76	28			MP338		
75	A1032	30	240m	25u	1.0m	10ps	500fs	20	1.0T	24	10m	400k	82	400m	86	28		A053b	MP42f		
76	H50B1	30	240m	25u	1.0m	10ps		20	100G	20	10m	4.5M	86	15	76	5C			CN2q		
77	1029-01	30	240m	25u	2.0m	50fs	100fs	20	10T	20	10m	1.0M	100	3.0	80	07			MP5bv		
78	ADO101B	30	240m	25u	3.0m	Δ	40ps	20	100G	24	10m	400k	112	600m	88	5C			MP78		
79	1557/15	30	240m	25u	3.3m	250ps		20	10G	20	20m	800k	90	3.0	60	48			MP2		
80	1557/16																				

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	TYPE No.	PWR SUP RATED	@25°C		INPUT CHARACTERISTICS					MIN. OUTPUT CHAR. @25°C		MIN TRANSFER CHAR @ 25°C			T C E O M D P E	DRAWINGS CKT.	OUT-LINE Δ=MO				
			1 [TOT. VOLT. (ΔV)]	2 [MAX IDLE P (W)]	OVER OPERATING TEMP. RANGE		MAX VOLTAGE		MAX CURRENT		CM RANGE (ΔV)	DIFF IMP. (Ω)	P-P VOLT. (ΔV)	P-P CUR. (ΔA)				3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/μS)	CMRR (dB)
					3 [DRIFT (V/°C)]	4 [OFFST (V)]	5 [BIAS (A)]	6 [BIAS (A)]	7 [RANGE (ΔV)]	8 [DIFF. (Ω)]											
1	RC709BL	30	250m	20u	Δ	Δ	75n	2.0u	18	50k	24	10k	4.0M	83	4.0	65	07	A003	CH28		
2#	TAA811	30	250m	15u	Δ	Δ	750n	320n	24	400k	28	10k	103	40	90	07	A012	T099			
3	ZA01D	30	250m	2.0m	Δ	Δ	5.0n	50n	20	10M	20	10M	100	5.0	80	28		MP58			
4	10Q5ARQ	30	255m	20u	Δ	Δ	25n	20	20	400k	20	10m	15M	86	15	74	58		MP6j		
5	10Q5ARQA	30	255m	20u	Δ	Δ	25n	20	20	400k	20	10m	15M	86	15	74	58		MP6k		
6	10Q5ARQB	30	255m	20u	Δ	Δ	25n	20	20	400k	20	10m	15M	86	15	74	58		MP6k		
7	D6	30	255m	20u	Δ	Δ	75n	2.0u	14	200k	20	4.0m	15M	96	900m	96	28		MP5v		
8	106C	30	256m	5.0u	Δ	Δ	5.0u	5.0n	20	Δ	1.0M	20	2.0M	107	1.2	80	48		MP6c		
9	109C	30	256m	5.0u	Δ	Δ	5.0n	5.0n	20	Δ	1.0M	20	2.0M	108	1.2	80	28		MP8c		
10	L109C	30	256m	5.0u	Δ	Δ	5.0n	5.0n	20	Δ	1.0M	20	2.0M	108	1.2	80	48		MP8b		
11	106B	30	256m	10u	Δ	Δ	5.0n	5.0u	20	Δ	1.0M	20	2.0M	107	1.2	80	48		MP6c		
12	107B	30	256m	10u	Δ	Δ	5.0u	5.0u	20	Δ	1.0M	20	2.0M	107	1.2	80	48		MP6c		
13	109B	30	256m	10u	Δ	Δ	5.0n	5.0n	20	Δ	1.0M	20	2.0M	108	1.2	80	28		MP8c		
14	L109B	30	256m	10u	Δ	Δ	5.0n	5.0n	20	Δ	1.0M	20	2.0M	108	1.2	80	48		MP8b		
15	107A	30	256m	20u	Δ	Δ	5.0u	5.0u	20	Δ	1.0M	20	2.0M	107	1.2	80	48		MP6c		
16	109A	30	256m	20u	Δ	Δ	5.0n	5.0n	20	Δ	1.0M	20	2.0M	108	1.2	80	28		MP8c		
17	L109A	30	256m	20u	Δ	Δ	5.0n	5.0n	20	Δ	1.0M	20	2.0M	108	1.2	80	48		MP8b		
18	SP856	30	262m	20u	Δ	Δ	10p	50p	SE	1.3M	20	40m	15M	153	1.5	28			CB2		
19	MS741X	30	270m	1.0m	Δ	Δ	50n	200n	24	750k	20	2.0k	700k	101		90	5A	A012	FP12		
20	MS101	30	270m	6.0m	Δ	Δ	500n	1.5u	24	300k	20	2.0k	93		70	5A	A012	FP12			
21	MS741	30	270m	6.0m	Δ	Δ	500n	1.5u	24	300k	20	2.0k	93		70	5A	A012	FP12			
22	MS201	30	270m	7.5m	Δ	Δ	500n	1.5u	24	400k	20	2.0k	86		65	28	A012	FP12			
23	231B	30	270m	100n	10u	Δ	50p	50p	SE	300k	20	50m	500k	140	200m	28			MP77		
24	231K	30	270m	100n	10u	Δ	50p	50p	SE	300k	20	50m	500k	140	200m	28			MP77		
25	KM71	30	270m	.18u	20u	Δ	10p	10p	SE	10M	22	40m	10M	160	60	5C			MP23c		
26	KM72	30	270m	.18u	20u	Δ	10n	10n	SE	10M	20	40m	15M	174	60	28			MP23c		
27	230B	30	270m	250n	15u	Δ	50p	50p	SE	300k	20	8.0m	500k	140	200m	28			MP5an		
28	231A	30	270m	250n	15u	Δ	100p	100p	SE	300k	20	50m	500k	140	200m	28			MP77		
29	231J	30	270m	250n	15u	Δ	100p	100p	SE	300k	20	50m	500k	140	200m	28			MP77		
30	230A	30	270m	500n	25u	Δ	100p	100p	SE	300k	20	8.0m	500k	140	200m	28			MP5an		
31	Q101A	30	270m	5.0u	Δ	Δ	10n	22	800k	24	40m	1.0M	106	1.5	75	28			MP5		
32	Q102A	30	270m	5.0u	Δ	Δ	10n	22	800k	24	40m	1.0M	106	1.5	75	28			MP5		
33	MSF741A	30	270m	10u	15m	Δ	15p	24	30G	20	2.0k	94		70	28	A213			T091		
34	MSF741LNA	30	270m	10u	15m	Δ	15p	24	30G	20	2.0k	94		70	28	A213			T091		
35	1671	30	270m	15u	Δ	Δ	30p	100p	20	100G	20	20m	10M	90	12	72	58		MP5y		
36	Q101	30	270m	15u	Δ	Δ	10n	22	800k	24	40m	1.0M	106	1.5	75	28			MP5		
37	Q102	30	270m	15u	Δ	Δ	10n	22	800k	24	40m	1.0M	106	1.5	75	28			MP5		
38	9715	30	270m	15u	10m	Δ	10p	30p	22	1.0T	20	80m	30M	80	20	40	58		MP6p		
39	501B	30	270m	25u	1.0m	Δ	10p	10p	22	100G	20	10m	4.0M	88	3.0	80	28		MP531		
40	501C	30	270m	25u	1.0m	Δ	5.0p	5.0p	20	100G	20	10m	4.0M	88	3.0	80	28		MP561		
41	1408-01	30	270m	25u	1.0m	Δ	5.0p	5.0p	20	100G	20	10m	4.0M	87	3.0	80	28				
42	1408-02	30	270m	25u	1.0m	Δ	2.0p	5.0p	20	100G	20	10m	4.0M	87	3.0	80	28				
43	AD501B	30	270m	25u	1.0m	Δ	10p	10p	30	100G	20	2.0k	4.0M	87	3.0	60	28				
44	AD501C	30	270m	25u	1.0m	Δ	5.0p	5.0p	30	100G	20	2.0k	4.0M	87	3.0	60	28				
45	ADM501B	30	270m	25u	1.0m	Δ	10p	10p	30	100G	20	2.0k	4.0M	87	3.0	60	5C				
46	ADM501C	30	270m	25u	1.0m	Δ	5.0p	5.0p	30	100G	20	2.0k	4.0M	87	3.0	60	5C				
47	ADP501B	30	270m	25u	1.0m	Δ	10p	10p	30	100G	20	2.0k	4.0M	87	3.0	60	28				
48	ADP501C	30	270m	25u	1.0m	Δ	5.0p	5.0p	30	100G	20	2.0k	4.0M	87	3.0	60	28				
49	M501B	30	270m	25u	1.0m	Δ	10p	10p	20	100G	20	10m	4.0M	87	3.0	80	28	A031	CN2		
50	M501C	30	270m	25u	1.0m	Δ	5.0p	5.0p	20	100G	20	10m	4.0M	87	3.0	80	28	A031	CN2		
51	SD5	30	270m	30u	Δ	Δ	25n	300n	20	100k	20	4.0m	15M	86	1.1	70	5A		MP9a		
52	SQ5	30	270m	30u	Δ	Δ	25n	300n	20	100k	20	4.0m	15M	86	1.1	70	5A		MP5d		
53	NS7560	30	270m	30u	Δ	Δ	10u	10u	10	2.5M	18				55	5C	A005a	CN8b			
54	MSF741B	30	270m	50u	15m	Δ	15p	24	30G	20	2.0k	94		70	28	A213			T091		
55	MSF741LNB	30	270m	50u	15m	Δ	15p	24	30G	20	2.0k	94		70	28	A213			T091		
56	501A	30	270m	75u	2.0m	Δ	25p	25p	20	100G	20	10m	4.0M	88	3.0	80	28		MP561		
57	1408	30	270m	75u	2.0m	Δ	25p	25p	20	100G	20	10m	4.0M	87	3.0	80	28				
58	AD501A	30	270m	75u	2.0m	Δ	10p	10p	30	100G	20	2.0k	4.0M	87	3.0	60	28				
59	ADM501A	30	270m	75u	2.0m	Δ	10p	10p	30	100G	20	2.0k	4.0M	87	3.0	60	5C				
60	ADP501A	30	270m	75u	2.0m	Δ	10p	10p	30	100G	20	2.0k	4.0M	87	3.0	60	28				
61	M501A	30	270m	75u	2.0m	Δ	10p	10p	20	100G	20	10m	4.0M	87	3.0	80	28	A031	CN2		
62	M501D	30	270m	100u	5.0m	Δ	10p	10p	20	100G	20	10m	4.0M	87	3.0	80	28	A031	CN2		
63	UC4000C	30	285m	10u	6.0m	Δ	27n	250n	20	800k	20	10k	1.0M	86	1.0	90	07		TO101		
64	D5	30	285m	20u	Δ	Δ	50n	20	200k	20	10m	2.0M	96	1.2	74	58			MP5g		
65	UC4001C	30	285m	20u	12m	Δ	5.4n	400n	20	800k	20	10k	1.0M	86	1.0	90	07		TO101		
66	UC4002C	30	285m	40u	14m	Δ	100n	600n	20	800k	20	10k	1.0M	86	1.0	90	07		TO101		
67	2327	30	300m						10k	20	50m	50k	0.0	3.0					D		
68	NE531N	30	300m	7.5u	200n	Δ	500n	500n	20	20M	20	10k	1.0M	86	30	100	07	A422	8-18b		
69	RM4136D	30	300m	6.0m	500n	Δ	500n	500n	30	300k	20	2.0k	93	1.0	70	70	5C	A210	TO116		
70	RM4136DP	30	300m	6.0m	500n	Δ	500n	500n	30	300k	20	2.0k	93	1.0	70	70	5C	A210	TO116		
71	RC4136D	30	300m	7.5m	300n	Δ	800n	800n	30	300k	20	2.0k	86	1.0	70	07			TO116		
72	RC4136DP	30	300m	7.5m	300n	Δ	800n	800n	30	300k	20	2.0k	86	1.0	70	07			TO116		
73	RC4531DC	30	300m	7.5m	300n	Δ	2.0u	2.0u	20	30	20	2.0k	86	35	70	07	A211	14-21			
74	ADX318	30	300m	10m	200n	Δ	500n	22	500k	24	2.0k	15M	88	50	70	07	A071	CN1c			
75#	SFC2318C	30	300m	10m	200n	Δ	600n	23	500k	23	2.0k	88	30	70	07			T099			
76	UC4100CM	30	300m	10m	75n	Δ	20u	20u	20	1.0M	20	4.0m	1.0M	86	3.0	70	07		14-2d		
77	LM318D	30	3																		

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINEAR	LINE No.	TYPE No.	PWR SUP @25°C		INPUT CHARACTERISTICS							MIN. OUTPUT CHAR. @25°C		MIN TRANSFER CHAR @ 25°C				T C O M P E	DRAWINGS	
			RATED	SPECS	OVER OPERATING TEMP. RANGE			MIN. @25°C		MIN. @25°C		3dB BW	O.L. VOLT. GAIN	SLEW RATE	CMRR	P E	CKT.			OUT-LINE Δ=MO
			1 TOT. (ΔV)	2 MAX (W)	3 MAX VOLTAGE (V/°C)	4 OFFST (V)	5 OFFSET (A)	BIAS (A)	CM RANGE (ΔV)	DIFF IMP. (Ω)	P-P VOLT. (ΔV)	P-P CUR. (ΔA)	(Hz)	(dB)	(V/μS)					
	1	1423-01	30	300m	2.0u	1.0m	2.0p	10p	20	1.0T	20	10m	3.0M	100	8.0	100	16		MP238	
	2	183K	30	300m	3.0u	1.0m	4.0p	40p	20	2.0M	20	5.0m	500k	106	300m	100	28		MP5n	
	3	A183K	30	300m	3.0u	1.0m	500u	40p	20	2.0M	20	5.0m	500k	106	300m	100	28	A053a	MP5au	
	4	183K	30	300m	5.0u	2.0m	4.0p	40p	20	2.0M	20	5.0m	500k	106	300m	100	28		MP5n	
	5	1423	30	300m	5.0u	2.0m	2.0p	10p	20	1.0T	20	10m	3.0M	100	6.0	100	16		MP238	
	6	LF356AL	30	300m	5.0u	2.3m	1.0n	5.0n	22	1.0T	24	10k	4.0M	94	10	85	07	A349a	CP1k	
	7	LF356AN	30	300m	5.0u	2.3m	1.0n	5.0n	22	1.0T	24	10k	4.5M	96	10	85	07	A349	8-7J	
	8	LF357AL	30	300m	5.0u	2.3m	1.0n	5.0n	22	1.0T	24	10k	15M	94	40	85	07	A349a	CN1k	
	9	A183J	30	300m	5.0u	3.0m	1.0n	4.0n	20	2.0M	20	5.0m	500k	106	300m	100	28	A053a	MP5au	
	10	9432	30	300m	5.0u	6.0m	100n	300n	24	500k	20	20m	10	90	500n	75	5		MP2	
	11	LF356L	30	300m	5.0u	13m	2.0n	8.0n	20	1.0T	24	10k	4.5M	88	12	78	05		MP5	
	12	LF357L	30	300m	5.0u	13m	2.0n	8.0n	20	1.0T	24	10k	20M	80	50	80	07	A349a	CN1k	
	13	9130	30	300m	5.0u	5.0M	200n	500n	20	100k	20	1.0	120	1.0	120	1.0	58		MP2	
	14	147-04	30	300m	10u	Δ	Δ	25n	20	SE 200k	20	2.0m	100M	100	250	100	28	A164	MP5bb	
	15	3310.12C	30	300m	10u	Δ	Δ	2.0p	20	100G	20	10m	1.0M	106	6.0	100	28		MP5f	
	16	3336-27	30	300m	10u	Δ	Δ	10f	50	SE 200k	20	10m	1.0k	100	400	100	28		MP290e	
	17	3338-27	30	300m	10u	Δ	Δ	10f	50	SE 200k	20	10m	1.0k	100	400	100	28		MP290e	
	18	14704	30	300m	10u	Δ	Δ	25n	SE 200k	20	40m	100M	100	250	100	28		MP5ae		
	19	918	30	300m	15u	Δ	Δ	100n	1.0u	12	1.0M	20	5.0m	8.0M	94	35	86	5C	MP441	
	20	1514-25	30	300m	15u	Δ	Δ	500u	20n	20	500k	20	4.0m	500k	100	600m	80	28		MP290
	21	1306A	30	300m	15u	500u	1.0M	50n	20	25M	20	4.0m	500k	100	1.0	10	48		MP2	
	22	1514/13	30	300m	15u	1.5m	50n	50n	20	500k	20	40m	500k	100	60	48	48		MP2	
	23	1514/16	30	300m	15u	1.5m	50n	50n	20	500k	20	40m	500k	100	60	48	48		14-1	
	24	1514/25	30	300m	15u	1.5m	50n	50n	20	500k	20	40m	500k	100	60	48	48		MP2a	
	25	1514/26	30	300m	15u	1.5m	50n	50n	20	500k	20	40m	500k	100	60	48	48		MP4	
	26	1007ARQ	30	300m	20u	Δ	Δ	25n	20	180k	20	4.0m	1.5M	84	15	74	58		MP6j	
	27	1007ARQA	30	300m	20u	Δ	Δ	25n	20	180k	20	4.0m	1.5M	84	15	74	58		MP6k	
	28	1007ARQB	30	300m	20u	Δ	Δ	25n	20	180k	20	4.0m	1.5M	84	15	74	58		MP6k	
	29	1008AQAF	30	300m	20u	Δ	Δ	25n	20	180k	20	4.0m	1.5M	84	200	74	58		MP109	
	30	1008AQBF	30	300m	20u	Δ	Δ	25n	20	180k	20	4.0m	1.5M	84	200	74	58		MP109a	
	31	10011ARQ	30	300m	20u	Δ	Δ	150n	20	180k	20	4.0m	1.5M	84	15	60	58		MP6j	
	32	10011ARQA	30	300m	20u	Δ	Δ	150n	20	180k	20	4.0m	1.5M	84	15	60	58		MP6k	
	33	10011ARQB	30	300m	20u	Δ	Δ	150n	20	180k	20	4.0m	1.5M	84	15	60	58		MP6k	
	34	956B	30	300m	20u	Δ	Δ	30p	50p	30	100G	20	5.0m	4.0M	94	40	60	5C	MP441	
	35	3267/12C	30	300m	20u	Δ	Δ	35n	20	1.0M	20	10m	1.0M	114	6.0	88	28		MP5bz	
	36	3307/12C	30	300m	20u	Δ	Δ	20p	20	100G	20	10m	4.0M	106	6.0	86	28		MP5f	
	37	3312.12C	30	300m	20u	Δ	Δ	20p	20	100G	20	10m	4.0M	106	6.0	100	28		MP5f	
	38	3403B	30	300m	20u	Δ	Δ	50p	20	100G	20	10m	8.0M	100	12	60	28		MP5f	
	39	SA10A	30	300m	20u	Δ	Δ	100n	20	200k	20	10m	1.0M	95	1.1	84	5A		MP5b	
	40	SF10A	30	300m	20u	Δ	Δ	100n	20	200k	20	10m	1.0M	95	1.1	84	5A		MP5e	
	41	SK10A	30	300m	20u	Δ	Δ	100n	20	200k	20	10m	1.0M	95	1.1	84	5A		MP5c	
	42	SQ10A	30	300m	20u	Δ	Δ	100n	20	200k	20	10m	1.0M	95	1.1	84	5A		MP5c	
	43	147-10	30	300m	25u	Δ	Δ	25n	SE 200k	20	20m	100M	100	250	100	28	A164	MP5bb		
	44	3311-12C	30	300m	25u	Δ	Δ	2.0p	20	100G	20	10m	1.0M	106	6.0	100	28		MP5f	
	45	14710	30	300m	25u	Δ	Δ	25n	SE 200k	20	40m	100M	100	250	100	28		MP5ae		
	46	1503/15	30	300m	25u	2.5m	Δ	80n	6.0	SE 500k	20	4.0m	1.0M	90	1.0	48		MP2		
	47	3337-27	30	300m	30u	Δ	Δ	10f	50	SE 500k	20	10m	1.0k	100	400	100	28		MP290e	
	48	3339-27	30	300m	30u	Δ	Δ	10f	50	SE 500k	20	10m	1.0k	100	400	100	28		MP290e	
	49	1517/13	30	300m	30u	2.1m	135n	135n	20	200k	20	4.0m	1.0M	80	1.0	28		MP1		
	50	1517/15	30	300m	30u	2.1m	135n	135n	20	200k	20	4.0m	1.0M	80	1.0	28		MP2		
	51	1517/16	30	300m	30u	2.1m	135n	135n	20	200k	20	4.0m	1.0M	80	1.0	28		MP2		
	52	1517/26	30	300m	30u	2.1m	135n	135n	20	200k	20	4.0m	1.0M	80	1.0	28		MP4		
	53	956A	30	300m	50u	Δ	Δ	50p	30	100G	20	5.0m	4.0M	94	40	60	5C	MP441		
	54	3308/12C	30	300m	50u	Δ	Δ	50p	20	100G	20	10m	4.0M	106	6.0	66	28		MP5f	
	55	3313.12C	30	300m	50u	Δ	Δ	50p	20	100G	20	10m	4.0M	106	6.0	100	28		MP5f	
	56	3403A	30	300m	50u	Δ	Δ	50p	20	100G	20	10m	8.0M	100	12	60	28		MP5f	
	57	9727	30	300m	50u	Δ	Δ	50p	10	100G	20	40m	10M	50	75	50	58		MP268	
	58	H7050G	30	300m	50u	Δ	Δ	50p	100p	10	100k	20	60m	10M	95	50	28		MP6f	
	59	PA103	30	300m	50u	50u	30n	300n	16	300k	24	10m	400k	89	2.0	60	28		MP167	
	60	DL19	30	300m	50u	1.0m	100p	100p	8.0	100G	20	20m	3.0M	108	4.5	70	5A		MP5g	
	61	DL21B	30	300m	50u	1.0m	100p	100p	8.0	100G	20	40m	2.5M	108	4.5	70	5A		MP2	
	62	1414-10	30	300m	50u	5.0m	10p	100p	20	100G	20	40m	1.0M	100	50	73	28		MP260	
	63	9263	30	300m	50u	10m	30u	1.0u	6.0	100k	20	400m	10k	86	1.2	55			MP2	
	64	H7040C	30	300m	75u	Δ	Δ	100p	100p	10	10G	20	5.0m	1.0M	100	5.0	60	28		MP5ad
	65	1414-83	30	300m	100u	5.0m	100p	100p	20	100G	20	20m	8.0M	100	50	60	5C		MP449	
	66	9278	30	300m	100u	5.0m	20m	100p	3.0	100G	20	300	30M	70	1.0k	58			MP2	
	67	1673	30	300m	200u	Δ	Δ	3.0p	16	100G	20	40m	10M	90	30	60	58		MP5z	
	68	QFT5	30	300m	300u	Δ	Δ	1.0n	12	1.0G	20	40m	1.7M	87	5.0	60	28		MP5d	
	69	3266/12C	30	300m	50m	Δ	Δ	50n	20	1.0M	20	10m	1.0M	114	6.0	86	28		MP5f	
	70	3312/12C	30	300m	20m	Δ	Δ	20p	20	100G	20	10m	4.0M	106	6.0	94	28		MP5f	
	71	3313/12C	30	300m	50m	Δ	Δ	100p	20	100G	20	10m	4.0M	106	6.0	94	28		MP5f	
	72	CA3100F	30	315m	50m	5.0m	400n	2.0u	24	30k	18	30m	38M	36	50	76	5C	A225	8-11c	
	73	DA15	30	330m	2.0u	75m	50p	50p	20	100G	20	10m	3.0M	100	6.0	72	5A		MP5g	
	74	DB15	30	330m	5.0u	75m	50p	50p	20	100G	20	10m	3.0M	100	6.0	72	5A		MP5g	
	75	DC15	30	330m	10u	75m	50p	50p	20	100G	20	10m	3.0M	100	6.0	72	5A		MP5g	
	76	MC15	30	330m	10u	75m	50p	50p												

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	TYPE No.	PWR SUP @ 25°C		INPUT CHARACTERISTICS						MIN. OUTPUT		MIN TRANSFER				CHAR @ 25°C		T C E O M P E	DRAWINGS
		1) TOT. VOLT. (ΔV)	2) MAX IDLE P (W)	3) DRIFT (V/°C)	4) OFST (V)	MAX VOLTAGE (A)	MAX CURRENT (A)	BIAS (A)	CM RANGE (ΔV)	DIFF IMP. (Ω)	P-P VOLT. (ΔV)	P-P CUR. (ΔA)	3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/μS)	CMRR (dB)			
																	5) TYPE		
1	D9	30	360m	20u	Δ	20n			22	200k	20	10m	10MΩ	99	2.2	94	5A	MP5g	
2	D14	30	360m	20u	Δ	20n			22	200k	20	10m	20MΩ	86	30	92	5A	MP5g	
3	DE17	30	360m	20u	.50m	50p			10	100G	20	10m	3.0MΩ	100	6.0	94	5A	MP5g	
4	1009-02	30	360m	25u	Δ	20p	20p		14	1.0T	20	10m	1.5MΩ	93	5.0	60	5B	MP5d	
5	1555/13	30	360m	25u	2.5m	250p			20	100G	20	200m	10MΩ	86	60	48		MP1	
6	1555/16	30	360m	25u	2.5m	250p			20	100G	20	200m	10MΩ	86	60	48		MP1	
7	1555/25	30	360m	25u	2.5m	250p			20	100G	20	200m	10MΩ	86	60	48		MP2a	
8	1555/26	30	360m	25u	2.5m	250p			20	100G	20	200m	10MΩ	86	60	48		MP4	
9	D17	30	360m	30u	.50m	50p			10	100G	20	10m	3.0MΩ	100	6.0	92	5A	MP5g	
10	KM49A	30	360m	40u	Δ	20p			24	1.0T	22	5.5m	1.0M	100	6.0	108	2B	MP6d	
11	DK17	30	360m	45u	.50m	50p			10	100G	20	10m	3.0MΩ	100	6.0	92	5A	MP5g	
12	1009-01	30	360m	50u	Δ	20p			14	1.0T	20	10m	1.5MΩ	93	5.0	60	5B	MP5d	
13	9688	30	360m	50u	15m	20n	100n	6.0	100M	20	400m	200M	94	250	50	5	57		
14	9816	30	360m	100u	20m	20u	50u	2.0	10k	10	6.0m	1.0G	60	1.0k	50	58		MP268	
15	9251	30	360m	400u	50m	7.0u	20u	1.0	2.0k	3.0	100	300M	30	200	50	57		MPZ	
16	MC1507L5	30	385m	17u	3.0m	250n	2.5u	22	50k	22	5.0k	24M	80	10	80	5C	A238	16-1a	
17	MCH2870MR	30	390m	6.0m	50m	500p	1.5u	24	300k	24	300	1.1M	94	800m	70	5C	A127	CN30	
18	2901A	30	390m	2.0u	250u	500p			500k	20	20m	1.5M	150	1.8	48			MPZ	
19	1011-02	30	390m	15u	Δ	20p	30p	20	100G	20	50m	15M	93		66	28		MP5s	
20	1011-01	30	390m	25u	Δ	20p	30p	20	100G	20	50m	15M	93		66	28		MP5s	
21	FST155B	30	390m	25u	Δ	20p	25p	30	1.0T	20	40m	5.0M	100	35	66	28	A136a	MP199a	
22	9807	30	390m	30u	15m	5.0n	20n	21	3.0M	20	400m	1.0M	90	2.0	30	57		MP5bk	
23	1011	30	390m	50u	Δ	20p	30p	20	100G	20	50m	15M	93		66	28	A082	MP5s	
24	FST155A	30	390m	50u	Δ	20p	50p	30	1.0T	20	40m	5.0M	100	35	66	28	A136a	MP199a	
25	302	30	390m	60u	Δ	20p	500f	400	10G	20	4.0m	20k	80	4.0m	120	28		MP5cu	
26	303	30	390m	60u	Δ	20p	500f	400	10G	20	4.0m	15k	80	4.0m	120	28		MP5cu	
27	SN72709DN*	30	400m	10m	Δ	750n	2.0u	16	50k	24	10k	83	500m	65	07	AOO3		TO116	
28	301	30	405m	50u	Δ	20p	2.0p	600	10G	20	40	500k	114	300m	160	28		MP5u	
29	RC3301N*	30	420m				300n		100k	27	10m	4.0M	60	600m	48			FP56	
30	739CJ*	30	420m	6.0m	1.0u	2.0u	20		37k	26	5.0k	76	1.0	70	07	A109		MP147	
31	111B	30	420m	5u	Δ	3.0n	35n	20	1.0M	20	20m	1.5M	107	6.0	86	28		MP199e	
32	LF2357AJG	30	420m	5.0u	2.3m	1.0n	5.0n	22	1.0T	24	10k	15M	94	40	85	07	A350	8-11d	
33	LF2357AL	30	420m	5.0u	2.3m	1.0n	5.0n	22	1.0T	24	10k	15M	94	40	85	07	A350a	CN1k	
34	LF2357AP	30	420m	5.0u	2.3m	1.0n	5.0n	22	1.0T	24	10k	15M	94	40	85	07	A350	8-7d	
35	LF2157AJG	30	420m	5.0u	2.5m	1.0n	25n	22	1.0T	24	10k	15M	94	40	85	5C	A350	8-11d	
36	LF2157AL	30	420m	5.0u	2.5m	1.0n	25n	22	1.0T	24	10k	15M	94	40	85	5C	A350a	CN1k	
37	LF2157AP	30	420m	5.0u	2.5m	1.0n	25n	22	1.0T	24	10k	15M	94	40	85	5C	A350	8-7d	
38	LF2257JG	30	420m	5.0u	6.5m	1.0n	5.0n	22	1.0T	24	10k	20M	94	30	85	28	A350	8-11d	
39	LF2257L	30	420m	5.0u	6.5m	1.0n	5.0n	22	1.0T	24	10k	20M	94	30	85	28	A350a	CN1k	
40	LF2257P	30	420m	5.0u	6.5m	1.0n	5.0n	22	1.0T	24	10k	20M	94	30	85	28	A350	8-7d	
41	LF2157JG	30	420m	5.0u	7.0m	20n	50n	22	1.0T	24	10k	20M	94	30	85	5C	A350	8-11d	
42	LF2157L	30	420m	5.0u	7.0m	20n	50n	22	1.0T	24	10k	20M	94	30	85	5C	A350a	CN1k	
43	LF2157P	30	420m	5.0u	7.0m	20n	50n	22	1.0T	24	10k	20M	94	30	85	5C	A350	8-7d	
44	A510B	30	420m	10u	Δ	20n	50n	20	300k	22	10m	10M	100	20	28			MP5b	
45	FST102B	30	420m	10u	Δ	25	50n	22	300k	22	10m	10M	100	20	80	28		MP199a	
46	FST104B	30	420m	15u	Δ	25n	75n	20	300k	20	10m	7.0M	100	10	73	28	A136	MP199a	
47	111A	30	420m	20u	Δ	3.0n	35n	20	1.0M	20	20m	1.5M	107	6.0	86	28		MP199e	
48	A510A	30	420m	20u	Δ	50n	50n	20	300k	22	10m	10M	100	20	28			MP5b	
49	FST102A	30	420m	20u	Δ	50	50n	22	300k	22	10m	10M	100	20	80	28		MP199a	
50	FST104A	30	420m	25u	Δ	50n	75n	20	300k	20	10m	7.0M	100	10	73	28	A136	MP199a	
51	DL17	30	420m	50u	1.0m	100p		8.0	100G	20	10m	2.5M	98	4.5	70	5A		MP5g	
52	3195-15	30	450m	500n	90u		160p		500k	20	20m	1.0M	130	1.2	28			MP287	
53	141M25	30	450m	1.0u	Δ		10p		1.0M	20	40m	1.0M	132	10	28			CB6	
54	3113-15	30	450m	1.0u	160u		220p		500k	20	20m	1.0M	130	1.2	28			MP287	
55	9487	30	450m	1.0u	5.0m	5.0n	30n	30	100M	20	20m	60M	126	30	100	58		MPZ	
56	D27	30	450m	2.0u	1.0m		10p	22	100G	22	22m	1.5M	100	2.0	86	5C		MP5ar	
57	FSL5	30	450m	10u	Δ		5.0n	20	1.5M	20	40m	8.0M	94	60	100	4A		MP8	
58	1902-19	30	450m	10u	500u		10n	20	500k	20	4.0m	1.0M	90	1.2	80	28		MP296	
59	1902/19	30	450m	10u	1.1m	40n		20	500k	20	4.0m	1.0M	90	1.2	48			MP16	
60	HA3-4741	30	450m	10u	5.0m	100n	300n	22	10M	24	22m	1.5M	100	1.5	80	5C			
61	9695	30	450m	10u	7.5m	30n	100n	22	50M	20	1.0	20M	80	100	90	27			
62	1001	30	450m	15u	Δ	2.0n	10n	3.2	2.0M	3.2	10m	900k	106	500n	80	28		MP5	
63	1903-19	30	450m	15u	Δ	2.0n	20n	20	500k	20	4.0m	1.0M	90	600m	80	28		MP296	
64	1324-01	30	450m	15u	2.0m	20n	200n	20	3.0M	20	20m	10M	100	35	100	07		TO99	
65	1527/13	30	450m	15u	2.0m	40n		20	500k	20	200m	10M	90	60	48			MP1	
66	1527/16	30	450m	15u	2.0m	40n		20	500k	20	200m	10M	90	60	48			14-1	
67	1527/25	30	450m	15u	2.0m	40n		20	500k	20	200m	10M	90	60	48			MP2a	
68	1527/26	30	450m	15u	2.0m	40n		20	500k	20	200m	10M	90	60	48			MP4	
69	155	30	450m	20u	Δ	5.0n	25n	20	100k	20	40m	10M	106	200	86	28		MP5af	
70	3278-14	30	450m	20u	Δ	20p		20	100G	20	40m	5.0M	100	70	80	28		MP5au	
71	FSL4	30	450m	20u	Δ	5.0n		20	1.5M	20	40m	8.0M	94	60	100	4A		MP8	
72	10M1CM	30	450m	25u	Δ	50n		20	400k	20	60m	1.5M	100	15	80	58		MP112	
73	147A	30	450m	25u	Δ	25n		SE	200k	20	60m	20M	100	300	58			MP54	
74	1427-01	30	450m	25u	500u	25p		SE	100G	20	20m	6.0M	100	20	100	28		CN2p	
75	1504	30	450m	25u	2.5m	.25u		6.0	500k	20	4.0m	1.0M	86	1.0	48			MP2	
76	1510-13	30	450m	25u	2.5m	80n		SE	500k	20	60m	20M	86	60	48			MP1	
77	1510-16	30	450m	25u	2.5m	80n		SE	500k	20	60m	20M	86	60	48			14-1	
78	1510-25	30	450m	25u	2.5m	80n		SE	500k	20	60m	20M	86	60	48			MP2a	
79	1510-26	30	450m	25u	2.5m	80n		SE	500k	20	60m	2							

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINEAR

LINE No.	TYPE No.	PWR SUP @ 25°C		INPUT CHARACTERISTICS										MIN. OUTPUT CHAR. @ 25°C		MIN TRANSFER CHAR @ 25°C				DRAWINGS	
		RATED VOLT. (ΔV)	SPECS MAX IDLE P (W)	OVER OPERATING TEMP. RANGE			MIN. @ 25°C			CHAR. @ 25°C		3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/US)	CMRR (dB)	T E O M D P E	C K T.	OUT- Δ = MO			
				1] TOT. VOLT. (ΔV)	2] MAX IDLE P (W)	3] DRIFT (V/°C)	4] OFST (V)	MAX VOLTAGE (V)	MAX CURRENT (A)	BIAS (A)	CM RANGE (ΔV)								DIFF IMP. (Ω)	P-P VOLT. (ΔV)	P-P CUR. (ΔA)
1	RC101ABL	30	500m	20u	6.0m	30n	300n	30	500k	24	10k	88	70	07	A298	CH24					
2	RC1556AD	30	500m	20u	6.0m	14n	40n	22	3.0M	22	2.0k	100	1.5	07	A100	14-21					
3	RC1556ANB	30	500m	20u	6.0m	14n	40n	22	3.0M	22	2.0k	100	1.5	07	A100	8-6					
4	RC1556AT	30	500m	20u	6.0m	14n	40n	22	3.0M	22	2.0k	100	1.5	07	A100	TO99					
5	LM307L	30	500m	30u	10m	70n	300n	24	500k	24	10k	88	70	07	A235	14-8					
6	LM312N	30	500m	30u	10m	1.5n	10n	28	10M	26	10k	88	80	07	A206	8-6					
7	L174A25	30	500m	30u	60m	100n	500n	20	100k	20	40m	4.0M	86	80	40	5C	TO73				
8	FST101B	30	510m	10u	Δ	20	50n	22	300k	20	80m	10M	113	20	28	MP199					
9	A149B	30	510m	15u	Δ	10p	25p	20	100G	20	30m	10M	100	100	28	MP5ab					
10	FST151B	30	510m	15u	Δ	10p	50p	20	100G	20	80m	10M	100	100	28	MP199b					
11	FST101A	30	510m	20u	Δ	35	50n	22	300k	20	80m	10M	113	20	28	MP199					
12	A149A	30	510m	35u	Δ	20p	100p	20	100G	20	30m	10M	100	100	28	MP5ab					
13	FST151A	30	510m	35u	Δ	20p	100p	20	100G	20	80m	10M	100	100	28	MP199b					
14	uA759T2C	30	540m	1.0u	7.5m	100n	400n	28	250k	20	650m	1.0M	85	500m	70	OC	MP553				
15	3049-15	30	540m	1.0u	7.5m	150u	250p	SE	500k	20	20m	8.0M	130	18	48	A416c	MP2				
16	9824	30	540m	10u	7.5m	3.0u	30u	20	3.0k	20	400m	300M	80	200	70	5C	MP268				
17	960B	30	540m	15u	Δ	30p	50p	30	100G	20	20m	13M	100	200	86	5C	MP5cn				
18	961B	30	540m	15u	Δ	30p	50p	30	100G	20	20m	13M	100	200	60	5C	MP5cn				
19	ADO24	30	540m	20u	2.0m	50p	50p	20	100G	20	20m	5.0M	88	10	60	28	A056	MP4a			
20	ADO25	30	540m	20u	2.0m	50p	50p	20	100G	20	2.5m	5.0M	88	10	60	28	A056	MP4a			
21	9730	30	540m	30u	20m	20p	100p	20	100G	20	60m	2.0G	86	1.0k	11	59		MP268a			
22	960A	30	540m	50u	Δ	30p	50p	30	100G	20	20m	13M	100	200	86	5C	MP5cn				
23	961A	30	540m	50u	Δ	30p	50p	30	100G	20	20m	13M	100	200	60	5C	MP5cn				
24	ADO22	30	540m	50u	3.0m	50p	50p	20	100G	20	20m	5.0M	88	10	60	28	A056	MP4a			
25	ADO23	30	540m	50u	3.0m	50p	50p	20	100G	20	2.5m	5.0M	88	10	60	28	A056	MP4a			
26	972A	30	540m	100u	Δ	5.0p	10p	12	100G	20	200m	300M	90	1.0k	20	58		MP6p			
27	9819	30	540m	100u	Δ	50u	50u	20	10k	20	40m	1.0G	100	750	100	58		MP6q			
28	ADO20	30	540m	100u	5.0m	50p	50p	20	100G	20	20m	5.0M	88	10	60	28	A056	MP4a			
29	ADO21	30	540m	100u	5.0m	50p	50p	20	100G	20	2.5m	5.0M	88	10	60	28	A056	MP4a			
30	211	30	570m	1.0u	100m	100p	50p	SE	500k	20	40m	20M	160	100	28		MP17b				
31	211	30	570m	2.0u	100m	150p	50p	SE	500k	20	40m	20M	160	100	28		MP17b				
32	C46	30	600m	1.0u	50u	75p	SE	SE	250k	20	50m	20M	140	30	5A		MP5t				
33	LF2357JG	30	600m	5.0u	13m	2.0n	8.0n	20	1.0T	24	10k	20M	88	50	80	07	A350	8-11d			
34	LF2357L	30	600m	5.0u	13m	2.0n	8.0n	20	1.0T	24	10k	20M	88	50	80	07	A350a	CN1k			
35	LF2357P	30	600m	5.0u	13m	2.0n	8.0n	20	1.0T	24	10k	20M	88	50	80	07	A350	8-7d			
36	1200	30	600m	8.0u	Δ	4.0n	55n	30	200k	20	50m	10M	114	250	28		MP5ab				
37	120A	30	600m	15u	Δ	4.0n	55n	30	200k	20	50m	10M	114	250	28		MP5ab				
38	KM48A	30	600m	15u	Δ	20p	40p	20	1.0T	22	11m	10M	106	150	60	07		MP5as			
39	3260/25	30	600m	25u	1.0m	6.4n	SE	SE	100G	20	60m	20k	80	500	48		MP2p				
40	1560-13	30	600m	25u	2.5m	250p	SE	SE	100G	20	60m	20M	80	120	48		MP1				
41	1560-16	30	600m	25u	2.5m	250p	SE	SE	100G	20	60m	20M	80	120	48		14-1				
42	1560-25	30	600m	25u	2.5m	250p	SE	SE	100G	20	60m	20M	80	120	48		MP2a				
43	1560-26	30	600m	25u	2.5m	250p	SE	SE	100G	20	60m	20M	80	120	48		MP4				
44	KM48	30	600m	65u	Δ	20p	40p	20	1.0T	22	11m	10M	106	150	60	07		MP5as			
45	101C	30	640m	5.0u	1.0m	2.0n	SE	SE	4.0M	22	5.0m	10M	100	2.0	86	57		MP8b			
46	101B	30	640m	10u	1.0m	2.0n	SE	SE	4.0M	22	5.0m	10M	100	2.0	86	57		MP8b			
47	101A	30	640m	20u	1.0m	2.0n	SE	SE	4.0M	22	5.0m	10M	100	2.0	86	57		MP8b			
48	9809	30	660m	1.0u	1.0m	5.0n	50n	20	100M	20	50	1.0M	130	300m	50	58		MP5bk			
49	9696	30	660m	1.0u	3.0m	5.0n	30n	24	100M	20	200m	20M	140	100	140	27		MP8d			
50	147C	30	660m	5.0u	1.0m	3.0p	15p	18	100G	20	20m	10M	120	10	110	28		MP8d			
51	147B	30	660m	10u	1.0m	3.0p	15p	18	100G	20	20m	10M	120	10	110	28		MP8d			
52	147A	30	660m	15u	1.0m	10p	30p	18	100G	20	20m	10M	120	10	110	28		MP8d			
53	9720	30	660m	1.0m	5.0p	5.0p	10p	22	100G	20	6.0m	20M	40	100	60	58		MP5bk			
54	LS148CB	30	665m	1.0m	7.5m	300n	0.8u	24	0.3M	24	2.0k	20M	20	0.5	70	07	A506	8-36			
55	HA17458M*	30	670m	6.0m	200n	500n	500n	24	300k	24	2.0k	86	800m	70	27	A457	TO99				
56	HA17741M	30	670m	6.0m	200n	500n	500n	24	300k	24	2.0k	86	500m	70	27	A361a	TO99				
57	9811	30	690m	600n	5.0m	5.0n	50n	20	100M	20	400m	1.0M	120	50	58		MP5bk				
58	9830	30	690m	100u	20m	10u	30u	20	2.0k	20	100m	600M	80	250	110	5A		MP5cg			
59	L143AL5*	30	750m	5.0m	5.0m	50n	200n	24	Δ	24	1.0m	300k	70	80	5C	A141	TO86				
60	L143AP5*	30	750m	5.0m	5.0m	50n	200n	24	Δ	24	1.0m	300k	70	80	5C	A141	TO116				
61	uA791P5C	30	750m	6.0m	500n	1.5u	24	Δ	300k	24	1.0k	94	70	5C	A242	12T8					
62	L143CL5*	30	750m	10m	80n	250n	24	Δ	20	1.0m	300k	60	70	07	A141	TO86					
63	L143CP5*	30	750m	10m	80n	250n	24	Δ	20	1.0m	300k	60	70	07	A141	TO116					
64	220B	30	750m	200n	Δ	100p	30	SE	300k	20	50m	10M	160	250	28		MP199j				
65	220J	30	750m	500n	Δ	100p	30	SE	300k	20	50m	10M	160	250	16		MP199j				
66	9803	30	750m	2.0u	5.0m	5.0n	50n	20	100M	20	400m	15M	120	100	50	58		MP5bk			
67	OA303	30	750m	5.0u	1.0m	400p	500p	20	1.0G	20	5.0m	2.0M	93	1.0	65	27		MP			
68	AM500	30	750m	5.0u	1.5m	3.0n	3.0n	20	3.0M	20	100M	120	1.0k	94	07		Δ001AC				
69	CA3280AG*	30	750m	5u	1.5m	8.0u	-13	0.5M	26	9m	94	125	94	5C	A499	Δ001AC					
70	CA3280G*	30	750m	5u	4.0m	8.0u	-13	0.5M	24	9m	94	125	80	07	A499	Δ001AC					
71	1016	30	750m	20u	Δ	10n	20u	22	200k	20	200m	10M	109	60	100	28		MP10			
72	9823	30	750m	20u	Δ	10u	20u	22	10k	20	40m	75M	60	300	90	5A		MP5cg			
73	AB21	30	750m	20u	20n	20n	20n	24	3.0k	20	10m	5.0M	120	20	05		CB3				
74	D32	30	750m	25u	5.0m	.75u	20	100k	22	80m	800k	88	.25	90	5A		MP5u				
75	D33	30	750m	25u	5.0m	.75u	20	100k	22	220m	800k	88	.25	90	5A		MP5g				
76	L174AL5	30	750m	30u	60m	100n	500n	20	100k	20	40m	4.0M	86	80	40	5C		TO86			
77	H60	30	750m	40u	Δ	100p	20	100G	20	20m	10M	92	100	90	28		CN2f				
78	9732	30	750m	100u	5.0m	10p	20p	4.0	100G	20	100m	5.0k	80	250	90	27	A289	MP461			
79	9491	30	750m	200u	20m	10u	75u	2.0	10k	10	6.0m	450M	50	1.0k	27		MP				
80	MS747C	30	800m	6.0m	500n	1.5u	24	300k	20												

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MIN TRANSFER CHAR (4)MAX OFFSET VOLT (5)TYPE

LINE No.	TYPE No.	PWR SUP @ 25°C		INPUT CHARACTERISTICS							MIN. OUTPUT CHAR. @ 25°C		MIN TRANSFER CHAR @ 25°C			T C	E O M D P E	DRAWINGS	OUT-LINE Δ=MO		
		1 TOT. VOLT. (ΔV)	2 MAX IDLE P. (W)	OVER OPERATING TEMP. RANGE		MAX VOLTAGE		MAX CURRENT		CM RANGE (ΔV)	DIFF IMP. (Ω)	P-P VOLT. (ΔV)	P-P CUR. (ΔA)	3dB BW (Hz)	O.L. VOLT. GAIN (dB)					SLEW RATE (V/μS)	CMRR (dB)
				3 DRIFT (V/°C)	4 OFFSET (V)	5 CM RANGE (ΔV)	6 DIFF IMP. (Ω)	7 P-P VOLT. (ΔV)	8 P-P CUR. (ΔA)												
1	2108	30	1.0	25u	1.0m	15n	30p	20	250k	20	100m	100	600	27			MP208				
2	9726	30	1.0	75u	20m	10p	30p	20	10G	20	400m	100M	48	50	50	57	MP268				
3	9712	30	1.0	150u	7.5m	10p	30p	20	10G	20	400m	400M	48	200	50	57	MPZ				
4	L144CP	30	1.2		10m	70n	200n	24	24 †	20	1.5m	400k	80	400m	80	07	AZ01	TO116			
5	9686	30	1.2	5.0u	5.0m	50n	200n	24	500k	20 †	6.0	300k	90	100m	100 †	27					
6	9737	30	1.2	1.0m		5.0p	10p	22	100G	20	40m	200k	60	600	40	58	A290	CN93			
7	9812	30	1.3	5.0u	7.5m	3.0n	15n	24	300M	20	400m	300M	90	200	100	25					
8	9876	30	1.3	5.0u	10m	3.0n	30n	30	300M	20	6.0m	300M	90	250	100	55					
9	3045/16	30	1.5	10uZ	30u		5.0n	20 Δ	500k	20	2.0	1.5M	110	60	100	48					
10	3046/40	30	1.5	15uZ	2.0m	5n		20 Δ	300k	20	1.0	1.5M	100 †	60	90 †	28					
11	1019	30	1.5	25u	2.0m	50p	10u	20	100G	20	40m	5.0M	100	1.0k	100	28					
12	A946B	30	1.6	25u			40p	20	100G	20	100m	25M	87	750	60	06	A082a	MP254a			
13	825	30	1.6	75u	3.0m		100p	30	100G	20	200m	35M	88	1.0k	72	5C	A282	MP451			
14	A946A	30	1.6	100u			40p	20	100G	20	100m	25M	87	750	60	06	A082a	MP254a			
15	9156	30	1.8	1.0u	2.0m			20	500k	20	40m	200m	160	100		58					
16	9687	30	1.8	5.0u	5.0m		50n	200n	24 †	500k	20 †	1.0	300k	90	100m	90 †	27				
17	Q200A	30	2.0	5.0u			5.0n	25n	6.0	4.0M	6.0	6.0m	150k	92 †	3.0m	75	28				
18	HT72	30	2.7	6.0u			750m	2.0u	SE	150k	20	20	81				A102	MPZ			
19	TOA2741WE	30	85		7.5		300m	800m	24	300	24	10k	100	86	500m	70	07		TO116		
20	TOA8741WE	30	85		7.5		30n	90n	24	1.0	24	10k	100	86	500m	70			TO116		
21 #	S15100A*	30	100						24	20k	50	4.0					A144	MP129			
22 #	S15100B	30	100						24	20k	50	4.0					A144	MP129			
23 #	SN52709	30	165	3.0u	6.0m	200n	1.5u	16	150k	20	2.0k		88		70	5C	A003	TO89			
24 #	SN72709	30	200		10m	750n		16	50k	20	2.0k		84		65	07	A003	TO89			
25	1406	30	210	30u	2.0M	75n	1.0u	20	300k	20	10m	1.0M	80	5.0	100	28			CN2		
26	238	30	270	25u	1.0m		5.0p	22	100G	20	40m	12M	100	50	90				CN2d		
27	A140	30	450 †	25uZ	1.0m		20p	10	100G	20	40	10M	100	80	80	28					
28 #	SN72741DN*	31	170m		7.5m		300n	800n	24	300k	24	10k	86	500m	70	07	A154	TO116			
29	Q103A	32	128m	5.0u				1.0n	22	6.0M	22	5.0m	500k	98	400m	75	28			MP5	
30	Q103	32	128m	15u				1.0n	22	6.0M	22	5.0m	500k	98	400m	75	28			MP5	
31	140BΔ	32	160m	15u					20 Δ	100G	20	2.2m	1.5M	94	1.2	60	28			MP6c	
32	L108	32	160m	20u			2.0n		20 Δ	4.0M	20	5.0m	500k	94	120m	86	28			MP8b	
33	CCA3	32	160m	20u	2.2m		77n	2.0n	20	3.0M	20	4.0m	700k	98	35 †	80	28			MP12	
34	141CΔ	32	160m	25uZ			10p	30p	14	100G	20	4.0m	3.0M	178	3.0	60	58			MP5k	
35	140A	32	160m	30u					20 Δ	100G	20	2.2m	1.5M	94	1.2	60	28			MP6c	
36	141B	32	160m	40uZ			10p	30p	14	100G	20	4.0m	3.0M	178	3.0	60	58			MP5k	
37	141A	32	160m	75uZ			10p	30p	14	100G	20	4.0m	3.0M	178	3.0	60	58			MP5k	
38	CIA1	32	180m	20uZ	2.2m		20n	.30u	20	200k	21	4.0m	1.0M	86	30 †	70	58			MP29	
39	801B	32	192m	10uZ	5.6m		1.0uZ		16	25M	20	2.0k	10k	85	300 †	65	5C			TO99	
40	801S	32	192m	20uZ	7.0m		2.0uZ	16uZ	16	25M	20	2.0k	10k	85	300 †	65	5C			TO99	
41	801A	32	192m	40uZ	7.4m		2.0uZ	11uZ	16	25M	20	2.0k	10k	85	300 †	65	5C			TO99	
42	142CΔ	32	224m	15uZ			10p	25p	18	100G	20	4.0m	5.0M	178	10	66	58			MP5c	
43	CDA3A	32	224m	15u			1.5n	22	2.0M	20	6.0m	500k	95	300m	86	28				MP9	
44	142B	32	224m	25uZ			10p	25p	18	100G	20	4.0m	5.0M	178	10	66	58			MP5c	
45	142A	32	224m	50uZ			10p	50p	18	100G	20	4.0m	5.0M	178	10	66	58			MP5c	
46	148B	32	252m	25u			10p	30p	18 Δ	100G	20	20m	10M	89	50	66	28			MP5p	
47	148A	32	252m	50u			10p	50p	18 Δ	100G	20	20m	10M	89	50	66	28			MP5p	
48	110C	32	256m	5.0u			30n		1.0M	20	20m	20M	94	100		28				MP6c	
49	110B	32	256m	10u			30n		1.0M	20	20m	20M	94	100		28				MP6c	
50	Q82AH	32	256m	18u	2.0m		1.0u	.75u	14	2.0M	20	20m	70M	86	5.0 †	80	5C			CN2	
51	110A	32	256m	20u			30n		1.0M	20	20m	20M	94	100		28				MP6c	
52	LFT1	32	260m	20u			10p	3.0n	20	10G	20	4.0m	1.0M	90	800m	60	28			MP8	
53	SA2	32	300m	20u				15n	22	500k	20	10m	1.0M	104	600m	86	28			MP8	
54	SA3A	32	300m	20u				2.0n	22	2.0M	20	10m	60k	100	300m	86	28			MP8	
55	SA1	32	300m	25u				20n	22	300k	20	10m	2.0M	98	1.1 †	84	28			MP8	
56	SL7A	32	320m	20u				2.0n	22	2.0M	20	40m	500k	100	200m	86	28			MP8	
57	SL6	32	320m	25u				15n	22	500k	20	40m	1.0M	94	500m	86	28			MP8	
58	FSL6	32	320m	30u			40n		32	500k	20	40m	40M	93	30 †					MP8b	
59	ESL1	32	384m	20u				25n	22	200k	24	10m	1.4M	90 †	1.2 †	125 †	5A			MP8b	
60	302B	32	432m	30u				250n	400 Δ	10G	20	2.5m	20k	80	4.0k	120	28			MP17c	
61	303B	32	432m	30u				250n	400 Δ	10G	20	2.5m	15k	80	4.0k	120	28			MP17c	
62	302A	32	432m	60u				500n	400 Δ	10G	20	2.5m	20k	80	4.0k	120	28			MP17c	
63	303A	32	432m	60u				500n	400 Δ	10G	20	2.5m	15k	80	4.0k	120	28			MP17c	
64	143A	32	480m	25uZ			10p	30p	18	100G	20	40m	5.0M	80	7.0	92	58			MP5m	
65	143CΔ	32	480m	7.0uZ			10p	15p	18	100G	20	40m	5.0M	80	7.0	92	58			MP5m	
66	143B	32	480m	15uZ			10p	15p	18	100G	20	40m	5.0M	80	7.0	92	58			MP5m	
67	106	32	480m	20u			150n		20 Δ	100k	20	5.0m	1.5M	123	1.2	86	†			MP6c	
68	107	32	480m	20u			20n		20 Δ	100k	20	5.0m	1.5M	123	1.2	86	†			MP6c	
69	L106	32	480m	20u			150n		20 Δ	100k	20	5.0m	1.5M	123	1.2	86	†			MP8b	
70	L107	32	480m	20u			20n		20 Δ	100k	20	5.0m	1.5M	123	1.2	86	†			MP8b	
71	149C	32	540m	7.0u			10p	15p	18 Δ	100G	20	15m	15M	100	100	84	28			MP5n	
72	149B	32	540m	15u			10p	15p	18 Δ	100G	20	15m	15M	100	100	84	28			MP5n	
73	149A	32	540m	30u			10p	30p	18 Δ	100G	20	15m	15M	100	100	84	28			MP5n	
74	116Δ	32	640m	100u	10m		300p	300p	20 Δ	20k	22	100m	10M	100	30	80	28			MP22	
75	117	32	640m	100u	10m		300p	300p	20 Δ	20k	22	250m	10M	100	30	80	28			MP22	
76	408	32	960m	10u	5.0m		700n	16	70k	44	10	150k	69	100m	60 †	5F				MP168	
77	102C	32	1.1 †	5.0u	1.0m		2.0n	20 Δ	6.0M	22	40m	10M	126	30	86	28				MP8b	
78	102B	32	1.1 †	10u	1.0m		2.0n	20 Δ	6.0M	22	40m	10M									

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	TYPE No.	PWR SUP @ 25°C		INPUT CHARACTERISTICS						MIN. OUTPUT CHAR. @ 25°C		MIN TRANSFER CHAR @ 25°C				T C		DRAWINGS		
		1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	OVER OPERATING TEMP. RANGE		MAX VOLTAGE		MAX CURRENT		CM RANGE (ΔV)	DIFF IMP. (Ω)	P.P. VOLT. (ΔV)	P.P. CUR. (ΔA)	3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/μS)	CMRR (dB)	E O M P E	C K T.	O U T - L I N E Δ = M O
				3 DRFT (V/°C)	4 OFST (V)	5 DRFT (V/°C)	6 OFST (V)	7 DRFT (V/°C)	8 OFST (V)											
1	SN72308N	36	28m	30u	10m	1.5n	10n	28	10M	28	10kΩ			88		80	07	A198	14-4h	
2	SN72308P	36	28m	30u	10m	1.5n	10n	28	10M	28	10kΩ			88		80	07	A198	8-7	
3	LA709AF	36	90m	5.0u	5.0m	200n	500n	20	150k	20	2.0kΩ	1.0M		88		70	5C	A003	TO91	
4	LA709AH	36	90m	5.0u	5.0m	200n	500n	20	150k	20	2.0kΩ	1.0M		88		70	5C	A003	CN1a	
5	PC212H	36	90m	15u	5.0m	100n	500n	20	60k	20	5.0m	1.0M		88	100uF	65	5C	A028	FP7	
6	LM301AD	36	90m	30u	10m	300n	300n	24	500k	20	5.0m	1.0M		88	500m	70	07	A297	14-8	
7	LM341N8	36	120m	30u	7.5m	20n	100n	30		12	10kΩ	3.0M	100	1.0	70				MPZ	
8	LM341N14	36	120m	30u	7.5m	20n	100n	30		12	10kΩ	3.0M	100	1.0	70				MPZ	
9	LM342N8	36	120m	30u	7.5m	20n	100n	30		12	10kΩ	3.0M	100	1.0	70				MPZ	
10	LM342N14	36	120m	30u	7.5m	20n	100n	30		12	10kΩ	3.0M	100	1.0	70				MPZ	
11	F318A	36	126m	10u	1.0m	100p	1.0p	20	10T	20	10m	500kΩ	88	500m	80	↑	28		MP58d	
12	F318B	36	126m	25u	1.0m	100p	1.0p	20	10T	20	10m	500kΩ	88	500m	80	↑	28		MP58d	
13	F318C	36	126m	50u	2.0m	100p	1.0p	20	10T	20	10m	500kΩ	88	500m	80	↑	28		MP58d	
14	LM709AF	36	165m	5.0u	5.0m	200n	500n	20	28	28	10kΩ	1.0M		94					TO99	
15	HA2310	36	165m	10u	7.5m	10n	10n	30	10G	20	10kΩ	4.0M		30		80	07			
16	uA310C	36	165m	10u	10m	10n	10n	20	10G	20	10kΩ	4.0M		30		80	07	A122	CN1d	
17	H3100G	36	180m	500u	10m	5.0n	10n	20	100k	20	3.0m	1.2M		1.2		55	28		MP51	
18	HA2110	36	198m	6.0u	6.0m	10n	10n	30	10G	20	10kΩ	4.0M		30		80	07		TO99	
19	SN72310FA	36	198m	10u	10m	10n	10n	20	10G	20	10kΩ	4.0M		60		07			FP22	
20	SN72310JA	36	198m	10u	10m	10n	10n	20	10G	20	10kΩ	4.0M		60		07			14-25	
21	SN72310L	36	198m	10u	10m	10n	10n	20	10G	20	10kΩ	4.0M		0.0	30	↑	07		TO99	
22	SN72310N	36	198m	10u	10m	10n	10n	20	10G	20	10kΩ	4.0M		60		07			14-4h	
23	SN72310P	36	198m	10u	10m	10n	10n	20	10G	20	10kΩ	4.0M		0.0	30	↑	07		8-3	
24	HA2210	36	198m	12u	6.0m	10n	10n	30	10G	20	10kΩ	4.0M		30		80	07		TO99	
25	LM110F883	36	198m	12u	6.0m	10n	10n	20	10G	20	10kΩ	4.0M		0.0			5C		FPZ	
26	SN52110FA	36	198m	12u	6.0m	10n	10n	20	10G	20	10kΩ	4.0M		60		5C			FP22	
27	SN52110JA	36	198m	12u	6.0m	10n	10n	20	10G	20	10kΩ	4.0M		60		5C			14-25	
28	SN52110JP	36	198m	12u	6.0m	10n	10n	20	10G	20	10kΩ	4.0M		60		5C			8-10	
29	SN52110L	36	198m	12u	6.0m	10n	10n	20	10G	20	10kΩ	4.0M		0.0	30	↑	5C		TO99	
30	RC709CD	36	200m	10m	10m	300n	300n	20	250k	24		4.0M		93		07			A003	
31	RC709CC	36	200m	10m	10m	300n	300n	20	250k	24		4.0M		93		07			FP2k	
32	RC709CT	36	200m	10m	10m	300n	300n	30	250k	24		4.0M		93		07			14-5	
33	PC210H	36	200m	15u	5.0m	600n	600n	30	50k	28	↑	1.2M		65	100	↑	5C		A028	
34	T118F	36	288m	6.0m	100n	500n	500n	23	1.0M	24	2.0kΩ	15M	94	50	80	5C			A172a	
35	T118J	36	288m	6.0m	100n	500n	500n	23	1.0M	24	2.0kΩ	15M	94	50	80	5C			A173a	
36	T118V	36	288m	6.0m	100n	500n	500n	23	1.0M	24	2.0kΩ	15M	94	50	80	5C			A174b	
37	T218F	36	288m	6.0m	100n	500n	500n	23	1.0M	24	2.0kΩ	15M	94	50	80	28			A172a	
38	T218J	36	288m	6.0m	100n	500n	500n	23	1.0M	24	2.0kΩ	15M	94	50	80	28			A173a	
39	T218V	36	288m	6.0m	100n	500n	500n	23	1.0M	24	2.0kΩ	15M	94	50	80	28			A174b	
40	TOA118E	36	288m	6.0m	100n	500n	500n	23	1.0M	24	2.0kΩ	15M	94	50	80	28			A173a	
41	TOA218E	36	288m	6.0m	100n	500n	500n	23	1.0M	24	2.0kΩ	15M	94	50	80	28			A173a	
42	SP2AU	36	288m	150u	Δ	10p	600	10G	22	4.4m	75k	103	80m	06					CB2	
43	T318F	36	360m	15m	300n	1.0u	23	500k	24	2.0kΩ	15M	88	50	70	07				TO91	
44	T318J	36	360m	15m	300n	1.0u	23	500k	24	2.0kΩ	15M	88	50	70	07				A173a	
45	T318V	36	360m	15m	300n	1.0u	23	500k	24	2.0kΩ	15M	88	50	70	07				A174b	
46	TOA318E	36	360m	15m	300n	1.0u	23	500k	24	2.0kΩ	15M	88	50	70	07				A173a	
47	U3805	36	360m	18u	Δ	5.0n	10n	20	5.0M	20	12m	1.0M	100	600m	80	28			MP5a	
48	FST156B	36	360m	20u	Δ	10p	20p	20	1.0T	20	40m	5.0M	98	40	69	28			A136a	
49	FST156A	36	360m	40u	Δ	10p	50p	20	1.0T	20	40m	5.0M	98	40	69	28			A136a	
50	CA3033A	36	420m	6.6u	5.0m	25n	200m	18	400k	30	60m	10k	90	2.5	↑	96	5C		A061	
51	CA3047A	36	420m	6.6u	5.0m	25n	200m	18	400k	30	60m	10k	90	2.5	↑	96	07		A061	
52	FST152C	36	468m	10u	Δ	10p	20p	20	1.0T	20	40m	12M	113	75	69	28			A136a	
53	FST157C	36	468m	10u	Δ	10p	20p	20	1.0T	20	40m	12M	109	40	69	28			A136a	
54	FST158B	36	468m	20u	Δ	10p	20p	20	1.0T	20	40m	5.0M	109	40	69	28			A136a	
55	FST159B	36	468m	20u	Δ	10p	20p	20	1.0T	20	40m	5.0M	109	40	86	28			A136a	
56	FST152B	36	468m	25u	Δ	10p	20p	20	1.0T	20	40m	12M	113	75	69	28			A136a	
57	FST157B	36	468m	25u	Δ	10p	50p	20	1.0T	20	40m	12M	109	40	69	28			A136a	
58	FST158A	36	468m	40u	Δ	10p	50p	20	1.0T	20	40m	5.0M	109	40	69	28			A136a	
59	FST159A	36	468m	40u	Δ	10p	50p	20	1.0T	20	40m	5.0M	109	40	86	28			A136a	
60	FST152A	36	468m	50u	Δ	10p	30p	20	1.0T	20	40m	12M	113	100	↑	69	28		A136a	
61	FST157A	36	468m	50u	Δ	10p	100p	20	1.0T	20	40m	12M	109	40	69	28			A136a	
62	116K	36	540m	25u	Δ	25n	25n	20	200k	20	200m	2.0M	92	6.0	86	25			MP5ag	
63	FST160B	36	612m	20u	Δ	10p	50p	20	1.0T	20	40m	18M	100	75	86	28			A136a	
64	FST161B	36	612m	20u	Δ	10p	50p	20	1.0T	20	40m	18M	100	150	80	28			A136a	
65	FST160A	36	612m	40u	Δ	10p	100p	20	1.0T	20	40m	18M	100	75	86	28			A136a	
66	FST161A	36	612m	40u	Δ	10p	100p	20	1.0T	20	40m	18M	100	150	80	28			A136a	
67	130Z	36	900m	10u	3.0m	3.0n	25u	22	300k	24	20m	2.0k	94	↑	95	↑	2A		MP121	
68	756	36	19	10u	Δ			20	1.0M	30	1.0	250k	127	22	06				MP169	
69	410%	38	760m	10u	Δ		85u	20	10k	50	80	150k	26	150m	85	5C			A098	
70	LM108E	40	12m	15u	3.0m	400u	3.0n	27	30M	26	10kΩ	94			85	5C			A098	
71	LM108H	40	12m	15u	3.0m	400u	3.0n	27	30M	26	10kΩ	94			85	5C			A098	
72	LM108L	40	12m	15u	3.0m	400u	3.0n	27	30M	26	10kΩ	94			85	5C			TO116	
73	LM208E	40	12m	15u	3.0m	400u	3.0n	27	30M	26	10kΩ	94			85	28			A098	
74	LM208H	40	12m	15u	3.0m	400u	3.0n	27	30M	26	10kΩ	94			85	28			A098	
75	LM208L	40	12m	15u	3.0m	400u	3.0n	27	30M	26	10kΩ	94			85	28			A098	
76	LM108AH883	40	16m	5.0u	1.0m	400p	3.0n	28	30M	26	2.6m	800k	94	400m	85	5C			A098	
77	LM108F883	40	16m	15u</																

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	TYPE No.	PWR SUP @ 25°C		INPUT CHARACTERISTICS						MIN. OUTPUT CHAR. @ 25°C		MIN TRANSFER CHAR @ 25°C			DRAWINGS		
		RATED	SPECS	OVER OPERATING TEMP RANGE			MIN. @ 25°C		CHAR. @ 25°C		3dB BW	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T E O M D P E	CKT.	OUT-LINE Δ=MO
				1 TOT.	2 MAX	3 MAX VOLTAGE	4 OFFST	5 OFFSET	6 BIAS	7 CM RANGE							
1	LM318AD	40	24m	5.0u	1.0m	400p	3.0n	26	5.0G	26	10kΩ	800k	92	80	07	A208	14-32
2	LM316AF	40	24m	5.0u	1.0m	400p	3.0n	26	5.0G	26	10kΩ	800k	92	80	07	A208	FP37
3	LA108AH	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kΩ	800k	98	96	5C	A098	CN1d
4	LA208AH	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kΩ	800k	98	96	28	A098	CN1d
5	LH2108AF	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	2.6m	10 t	92	96	5C	FP28	FP28
6	LH2208AF	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	2.6m	10 t	92	96	28	FP28	FP28
7	LM108ADE03	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kΩ	800k	98	96	5C		8-11b
8	LM108ADE	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kΩ	800k	98	96	5C		8-11j
9	LM108AF883	40	24m	5.0u	1.0m	400p	3.0n	27	30m	26	10kΩ	800k	92	96	5C		FP2n
10	LM108AJ03	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kΩ	800k	98	96	5C		TO116
11	LM108AJ-8	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kΩ	800k	98	96	5C	A420a	8-21
12	LM108J03	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kΩ	800k	98	96	5C	A098	FP37
13	LM208ADE	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kΩ	800k	98	96	28	A098	8-11j
14	LM208AJ-8	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kΩ	800k	98	96	28	A420a	8-21
15	LM208AN	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kΩ	800k	98	96	28	A420a	8-16
16	SG118AT	40	24m	5.0u	1.0m	400p	3.0n	27	30m	26	10kΩ	800k	92	96	5C		TO99
17	SG218AT	40	24m	5.0u	1.0m	400p	3.0n	27	30m	26	10kΩ	800k	92	96	TO99		TO99
18	SG318AT	40	24m	5.0u	1.0m	400p	3.0n	27	30m	26	10kΩ	800k	92	96	07		TO99
19	SN52108AFA	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kΩ	800k	98	96	5C	A198	FP2t
20	SN52108AJA	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kΩ	800k	98	96	5C	A198	14-25
21	SN52108AJP	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kΩ	800k	98	96	5C	A198	8-10
22	SN52108AL	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kΩ	800k	98	96	5C	A198	TO99
23	SN52108AN	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kΩ	800k	98	96	5C	A198	14-4h
24	uA108A-3F	40	24m	5.0u	1.0m	400p	3.0n	30	30M	26	10kΩ	800k	94	96	5C		TO91
25	uA108A-6A	40	24m	5.0u	1.0m	400p	3.0n	30	30M	26	10kΩ	800k	92	96	5C		14-2v
26	uA208A-3F	40	24m	5.0u	1.0m	400p	3.0n	30	30M	26	10kΩ	800k	94	96	28		TO91
27	uA208A-6A	40	24m	5.0u	1.0m	400p	3.0n	30	30M	26	10kΩ	800k	94	96	28		14-2v
28	LM108J-8	40	24m	15u	3.0m	400p	3.0n	27	30M	26	10kΩ	800k	94	85	5C	A420a	8-21
29	LM112D	40	24m	15u	3.0m	400p	3.0n	27	30M	26	10kΩ	800k	92	85	5C	A206	14-32
30	LM112F	40	24m	15u	3.0m	400p	3.0n	27	30M	26	10kΩ	800k	92	85	5C	A206a	FP37
31	LM112H03	40	24m	15u	3.0m	400p	3.0n	27	30M	26	10kΩ	800k	92	85	5C	A206	TO99
32	LM208DE	40	24m	15u	3.0m	400p	3.0n	27	30M	26	10kΩ	800k	92	85	28	A098	8-11j
33	LM208J-8	40	24m	15u	3.0m	400p	3.0n	27	30M	26	10kΩ	800k	92	85	28	A420a	8-21
34	LM212D	40	24m	15u	3.0m	400p	3.0n	27	30M	26	10kΩ	800k	92	85	28	A206	14-32
35	LM212F	40	24m	15u	3.0m	400p	3.0n	27	30M	26	10kΩ	800k	92	85	28	A206a	FP37
36	SN52108FA	40	24m	15u	3.0m	400p	3.0n	27	30M	26	10kΩ	800k	94	85	5C	A198	FP22
37	SN52108JA	40	24m	15u	3.0m	400p	3.0n	27	30M	26	10kΩ	800k	94	85	5C	A198	14-25
38	SN52108L	40	24m	15u	3.0m	400p	3.0n	27	30M	26	10kΩ	800k	94	85	5C	A198	TO99
39	SN52108N	40	24m	15u	3.0m	400p	3.0n	27	30M	26	10kΩ	800k	94	85	5C	A198	14-4h
40	uA108-3F	40	24m	15u	3.0m	400p	3.0n	30	30M	26	10kΩ	800k	92	85	5C		TO91
41	uA108-6A	40	24m	15u	3.0m	400p	3.0n	30	30M	26	10kΩ	800k	94	85	5C		14-2v
42	uA208-3F	40	24m	15u	3.0m	400p	3.0n	30	30M	26	10kΩ	800k	92	85	28		TO91
43	uA208-6A	40	24m	15u	3.0m	400p	3.0n	30	30M	26	10kΩ	800k	92	85	28		14-2v
44	SN52660FA	40	30m	25u	5.0m	5.0n	25n	27	4.0M	26	10kΩ	88	88	80	5C	A254	FP22
45	SN52660JA	40	30m	25u	5.0m	5.0n	25n	27	4.0M	26	10kΩ	88	88	80	5C	A254	14-25
46	SN52660JP	40	30m	25u	5.0m	5.0n	25n	27	4.0M	26	10kΩ	88	88	80	5C	A254	8-10
47	SN52660L	40	30m	25u	5.0m	5.0n	25n	27	4.0m	26	10kΩ	88	88	80	5C	A254	TO99
48	RM116T	40	32m	10m	50p	150p	26	1.0G	26	2.6	10kΩ	86	92	80	28		TO99
49	LM118D	40	32m	15m	100p	250p	26	1.0G	26	10kΩ	86	86	80	28	A208	14-21	
50	LM118F	40	32m	15m	100p	250p	26	1.0G	26	10kΩ	86	86	80	28	A208	FP21	
51	LM118H	40	32m	15m	100p	250p	26	1.0G	26	10kΩ	86	86	80	28	A208	TO99	
52	LM218D	40	32m	15m	100p	250p	26	1.0G	26	10kΩ	86	86	80	28	A208	14-32	
53	LM218F	40	32m	15m	100p	250p	26	1.0G	26	10kΩ	86	86	80	07	A208	FP37	
54	LM318D	40	32m	15m	100p	250p	26	1.0G	26	10kΩ	86	86	80	07	A208	1-32	
55	LM318F	40	32m	15m	100p	250p	26	1.0G	26	10kΩ	86	86	80	07	A208	FP37	
56	JANM38510/10106EA*	40	36m	5.0u	1.0m	400p	3.0n	40 Δ	32	10kΩ	98	50m	96	5C	A335a	16-33	
57	JANM38510/10106EB*	40	36m	5.0u	1.0m	400p	3.0n	40 Δ	32	10kΩ	98	50m	96	5C	A335a	16-33	
58	JANM38510/10106EC*	40	36m	5.0u	1.0m	400p	3.0n	40 Δ	32	10kΩ	98	50m	96	5C	A335a	16-33	
59	JANM38510/10106FA*	40	36m	5.0u	1.0m	400p	3.0n	40 Δ	32	10kΩ	98	50m	96	5C	A335a	16-33	
60	JANM38510/10106FB*	40	36m	5.0u	1.0m	400p	3.0n	40 Δ	32	10kΩ	98	50m	96	5C	A335a	FP43	
61	JANM38510/10106FC*	40	36m	5.0u	1.0m	400p	3.0n	40 Δ	32	10kΩ	98	50m	96	5C	A335a	FP43	
62	JANM38510/10106EA*	40	36m	5.0u	1.0m	400p	3.0n	40 Δ	32	10kΩ	98	50m	96	5C	A335a	FP43	
63	JANM38510/10106EB*	40	36m	5.0u	1.0m	400p	3.0n	40 Δ	32	10kΩ	98	50m	96	5C	A335a	16-33	
64	JANM38510/10106EC*	40	36m	5.0u	1.0m	400p	3.0n	40 Δ	32	10kΩ	98	50m	96	5C	A335a	16-33	
65	JANM38510/10106FA*	40	36m	5.0u	1.0m	400p	3.0n	40 Δ	32	10kΩ	98	50m	96	5C	A335a	16-33	
66	JANM38510/10106FB*	40	36m	5.0u	1.0m	400p	3.0n	40 Δ	32	10kΩ	98	50m	96	5C	A335a	FP43	
67	JANM38510/10106FC*	40	36m	5.0u	1.0m	400p	3.0n	40 Δ	32	10kΩ	98	50m	96	5C	A335a	FP43	
68	JANM38510/10106EA*	40	36m	5.0u	1.0m	400p	3.0n	40 Δ	32	10kΩ	98	50m	96	5C	A335a	FP43	
69	JANM38510/10106EB*	40	36m	5.0u	1.0m	400p	3.0n	40 Δ	32	10kΩ	98	50m	96	5C	A335a	16-33	
70	JANM38510/10106EC*	40	36m	5.0u	1.0m	400p	3.0n	40 Δ	32	10kΩ	98	50m	96	5C	A335a	16-33	
71	JANM38510/10106FA*	40	36m	5.0u	1.0m	400p	3.0n	40 Δ	32	10kΩ	98	50m	96	5C	A335a	16-33	
72	JANM38510/10106FB*	40	36m	5.0u	1.0m	400p	3.0n	40 Δ	32	10kΩ	98	50m	96	5C	A335a	FP43	
73	JANM38510/10106FC*	40	36m	5.0u	1.0m	400p	3.0n	40 Δ	32	10kΩ	98	50m	96	5C	A335a	FP43	
74	SE537T	40	36m	5.0u	1.0m	400p	3.0n	40 Δ	32	10kΩ	800k	98	50m	96	5C	A335a	FP43
75	LM121D	40	60m	1.0u	1.0m	3.0n	30n	26	4.0M	24	2.0kΩ	800k	94	120	5C	CN1g	14-32
76	LM121F	40	60m	1.0u	1.0m	3.0n	30n	26	4.0M	24	2.0kΩ	800k	94	120	5C	B050	FP37
77	LM221D	40	60m	1.0u	1.0m	3.0n	30n	26	4.0M	24	2.0kΩ	800k	94	120	28	B050	

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINEAR

LINE No.	TYPE No.	PWR SUP @25°C RATED SPECS		INPUT CHARACTERISTICS							MIN. OUTPUT CHAR. @25°C		MIN TRANSFER CHAR @ 25°C				DRAWINGS	
		1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	OVER OPERATING TEMP. RANGE			MIN. @25°C		CHAR. @25°C		3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/μS)	CMRR (dB)	T C M P E	C K T.	O U T - L I N E Δ = M O	
				3 DRFT (V/°C)	4 OFST (V)	MAX VOLTAGE (V)	MAX CURRENT (A)	BIAS (A)	CM RANGE (ΔV)	DIFF IMP. (Ω)								P-P VOLT. (ΔV)
1	SSS841P	40	85m	8.0u	3.0m	10n	100n	30	2.0M	24	10k∅	700k∅	100	350m	80	5C	A172	TO116
2	SSS741BL	40	85m	1.0u	4.0m	10n	100n	30	2.0M	24	10k∅	94	1.4 t	80	28	A137	TO91	
3	uA748AFM	40	85m	15u	3.0m	25n	100n	24	2.0M	24	10k∅	94	500m	80	5C	A332		
4	LM321D	40	88m	1.0u	2.5m	4.0n	28n	26	2.0M	24	10k∅	21		114	07	B050	14-32	
5	LM321F	40	88m	1.0u	2.5m	4.0n	28n	26	2.0M	24	10k∅	21		114	07	B050	FP37	
6	SSS101AJ	40	90m	10u	2.8m	10n	100n	30	2.0M	24	10k∅	1.0M∅	100	400m	80	5C	A174b	TO99
7	SSS101AL	40	90m	10u	2.8m	10n	100n	30	2.0M	24	10k∅	1.0M∅	100	400m	80	5C	A172a	TO91
8	SSS101AP	40	90m	10u	2.8m	10n	100n	30	2.0M	24	10k∅	1.0M∅	100	400m	80	5C	A173a	TO116
9	SSS107J	40	90m	10u	2.8m	10n	100n	30	2.0M	24	10k∅	1.0M∅	100	500m	80	5C	A174c	TO99
10	SSS107L	40	90m	10u	2.8m	10n	100n	30	2.0M	24	10k∅	1.0M∅	100	500m	80	5C	A172b	TO91
11	SSS107P	40	90m	10u	2.8m	10n	100n	30	2.0M	24	10k∅	1.0M∅	100	500m	80	5C	A173b	TO116
12	SSS201AJ	40	90m	10u	3.0m	20n	100n	30	1.5M	24	10k∅	1.0M∅	94	400m	80	28	A174b	TO99
13	SSS201AL	40	90m	10u	3.0m	20n	100n	30	1.5M	24	10k∅	1.0M∅	94	400m	80	28	A172a	TO91
14	SSS201AP	40	90m	10u	3.0m	20n	100n	30	1.5M	24	10k∅	1.0M∅	94	400m	80	28	A173a	TO116
15	SSS207J	40	90m	12u	3.0m	20n	100n	30	1.5M	24	10k∅	1.0M∅	94	500m	80	28	A174c	TO99
16	SSS207L	40	90m	12u	3.0m	20n	100n	30	1.5M	24	10k∅	1.0M∅	94	500m	80	28	A172b	TO91
17	SSS207P	40	90m	12u	3.0m	20n	100n	30	1.5M	24	10k∅	1.0M∅	94	500m	80	28	A173b	TO116
18	JANM38510/10103ACA	40	90m	15u	3.0m	20n	100n	40 Δ		32	10k∅		94	300m	80	5C	A173a	14-19
19	JANM38510/10103ACB	40	90m	15u	3.0m	20n	100n	40 Δ		32	10k∅		94	300m	80	5C	A173a	14-19
20	JANM38510/10103ACC	40	90m	15u	3.0m	20n	100n	40 Δ		32	10k∅		94	300m	80	5C	A173a	14-19
21	JANM38510/10103AGA	40	90m	15u	3.0m	20n	100n	40 Δ		32	10k∅		94	300m	80	5C	A174b	CN1t
22	JANM38510/10103AGB	40	90m	15u	3.0m	20n	100n	40 Δ		32	10k∅		94	300m	80	5C	A174b	CN1t
23	JANM38510/10103AGC	40	90m	15u	3.0m	20n	100n	40 Δ		32	10k∅		94	300m	80	5C	A174b	CN1t
24	JANM38510/10103AHA	40	90m	15u	3.0m	20n	100n	40 Δ		32	10k∅		94	300m	80	5C	A172a	FP31
25	JANM38510/10103AHB	40	90m	15u	3.0m	20n	100n	40 Δ		32	10k∅		94	300m	80	5C	A172a	FP31
26	JANM38510/10103AHC	40	90m	15u	3.0m	20n	100n	40 Δ		32	10k∅		94	300m	80	5C	A172a	FP31
27	JANM38510/10103APA	40	90m	15u	3.0m	20n	100n	40 Δ		32	10k∅		94	300m	80	5C	A291b	M694
28	JANM38510/10103APB	40	90m	15u	3.0m	20n	100n	40 Δ		32	10k∅		94	300m	80	5C	A291b	M694
29	JANM38510/10103APC	40	90m	15u	3.0m	20n	100n	40 Δ		32	10k∅		94	300m	80	5C	A291b	M694
30	LM121AD	40	100m	200n	650u	1.0n	30n	26	4.0M			24		126	5C	B050	14-32	
31	LM121AF	40	100m	200n	650u	1.0n	30n	26	4.0M			24		126	5C	B050	FP37	
32	LM221AD	40	100m	200n	650u	1.0n	30n	26	4.0M			24		126	28	B050	14-32	
33	LM221AF	40	100m	200n	650u	1.0n	30n	26	4.0M			24		126	28	B050	FP37	
34	LM101H	40	100m	6.0u	6.0m	500n	1.5u	24	300k	24	10k∅	93		70	5C	A012	CN1d	
35 #	MT101	40	100m	6.0u	6.0m	500n	1.5u	24	300k	24	10k∅	93		70	5C	A001	CN1c	
36	LM107D	40	100m	15u	3.0m	20n	100n	30	1.5M	24	10k∅	92		80	5C	A235	14-32	
37	LM207D	40	100m	15u	3.0m	20n	100n	30	1.5M	24	10k∅	92		80	28	A235	14-32	
38	LM207DE	40	100m	15u	3.0m	20n	100n	30	1.5M	24	10k∅	92		80	28	A235	8-11j	
39	LM207F	40	100m	15u	3.0m	20n	100n	30	1.5M	24	10k∅	92		80	28	A235	FP37	
40 #	MT101A	40	100m	15u	3.0m	20n	100n	30	1.5M	24	10k∅	93		80	5C	A012	CN1c	
41 #	MT107	40	100m	15u	3.0m	20n	100n	30	1.5M	24	10k∅	93		80	5C	A012	CN1c	
42 #	MT201A	40	100m	15u	3.0m	20n	100n	30	1.5M	24	10k∅	93		80	28		CN1c	
43 #	3u536	40	100m	20u	20m	5.0p	30p					1.0M∅	94	6.0	80	5C		CN1g
44	RA238	40	108m	1	6.0m	500n	500n	18	50k	18	10k∅	7.0M∅	60	3.2 t	70	5C	A030	TO84
45	RA240	40	108m	1	6.0m	500n	500n	18	100k	6.0	10k∅	6.0M∅	80	3.2 t	70	5C	A030	TO84
46	RA338	40	108m	8.5m	.75u	3.0u	18	30k	18	10k∅	2.0M∅	60		70	5C	A048	TO84	
47	RA340	40	108m	8.5m	.75u	3.0u	18	60k	6.0	10k∅	2.0M∅	80		70	5C	A049	TO84	
48	JANM38510/10101AAA	40	114m	15u	4.0m	70n	265n	40 Δ		32	10k∅		94	300m	80	5C	A173	FP24d
49	JANM38510/10101AAB	40	114m	15u	4.0m	70n	265n	40 Δ		32	10k∅		94	300m	80	5C	A173	FP24d
50	JANM38510/10101AAC	40	114m	15u	4.0m	70n	265n	40 Δ		32	10k∅		94	300m	80m	5C	A173	FP24d
51	JANM38510/10101ABA	40	114m	15u	4.0m	70n	265n	40 Δ		32	10k∅		94	300m	80	5C	A173	FP24e
52	JANM38510/10101ABB	40	114m	15u	4.0m	70n	265n	40 Δ		32	10k∅		94	300m	80	5C	A173	FP24e
53	JANM38510/10101ABC	40	114m	15u	4.0m	70n	265n	40 Δ		32	10k∅		94	300m	80	5C	A173	FP24e
54	JANM38510/10101ACA	40	114m	15u	4.0m	70n	265n	40 Δ		32	10k∅		94	300m	80	5C	A173	FP24e
55	JANM38510/10101ACB	40	114m	15u	4.0m	70n	265n	40 Δ		32	10k∅		94	300m	80	5C	A173	14-19
56	JANM38510/10101ACC	40	114m	15u	4.0m	70n	265n	40 Δ		32	10k∅		94	300m	80	5C	A173	14-19
57	JANM38510/10101ADA	40	114m	15u	4.0m	70n	265n	40 Δ		32	10k∅		94	300m	80	5C	A173	FP25
58	JANM38510/10101ADB	40	114m	15u	4.0m	70n	265n	40 Δ		32	10k∅		94	300m	80	5C	A173	FP25
59	JANM38510/10101ADC	40	114m	15u	4.0m	70n	265n	40 Δ		32	10k∅		94	300m	80	5C	A173	FP25
60	JANM38510/10101AGA	40	114m	15u	4.0m	70n	265n	40 Δ		32	10k∅		94	300m	80	5C	A174h	CN1t
61	JANM38510/10101AGB	40	114m	15u	4.0m	70n	265n	40 Δ		32	10k∅		94	300m	80	5C	A174h	CN1t
62	JANM38510/10101AGC	40	114m	15u	4.0m	70n	265n	40 Δ		32	10k∅		94	300m	80	5C	A174h	CN1t
63	JANM38510/10101AHA	40	114m	15u	4.0m	70n	265n	40 Δ		32	10k∅		94	300m	80	5C	A172	FP31
64	JANM38510/10101AHB	40	114m	15u	4.0m	70n	265n	40 Δ		32	10k∅		94	300m	80	5C	A172	FP31
65	JANM38510/10101AHC	40	114m	15u	4.0m	70n	265n	40 Δ		32	10k∅		94	300m	80	5C	A172	FP31
66	JANM38510/10101APA	40	114m	15u	4.0m	70n	265n	40 Δ		32	10k∅		94	300m	80	5C	A291a	M694
67	JANM38510/10101APB	40	114m	15u	4.0m	70n	265n	40 Δ		32	10k∅		94	300m	80	5C	A291a	M694
68	JANM38510/10101APC	40	114m	15u	4.0m	70n	265n	40 Δ		32	10k∅		94	300m	80	5C	A291a	M694
69	JANM38510/10101BAA	40	114m	15u	4.0m	70n	265n	40 Δ		32	10k∅		94	300m	80	5C	A173	FP24d
70	JANM38510/10101BAB	40	114m	15u	4.0m	70n	265n	40 Δ		32	10k∅		94	300m	80	5C	A173	FP24d
71	JANM38510/10101BAC	40	114m	15u	4.0m	70n	265n	40 Δ		32	10k∅		94	300m	80	5C	A173	FP24d
72	JANM38510/10101BBA	40	114m	15u	4.0m	70n	265n	40 Δ		32	10k∅		94	300m	80	5C	A173	FP24e

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	TYPE No.	PWR SUP @25°C		INPUT CHARACTERISTICS					MIN. OUTPUT CHAR. @25°C		MIN TRANSFER CHAR @ 25°C				DRAWINGS			
		1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	OVER OPERATING TEMP. RANGE		MIN. @25°C			CHAR. @25°C		3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T O M P E - +	C K T.	O U T - LINE Δ = MO	
				3 MAX VOLTAGE (V/°C)	4 OFST (V)	MAX CURRENT (A)	BIAS (A)	CM RANGE (ΔV)	DIFF IMP. (Ω)	P-P VOLT. (ΔV)								P-P CUR. (ΔA)
1	JANM38510/10101BBB	40	114m	15u	4.0m	70n	265n	40 Δ	32	10k∅		94	300m	80	5C	A173	FP24e	
2	JANM38510/10101BBC	40	114m	15u	4.0m	70n	265n	40 Δ	32	10k∅		94	300m	80	5C	A173	FP24e	
3	JANM38510/10101BDA	40	114m	15u	4.0m	70n	265n	40 Δ	32	10k∅		94	300m	80	5C	A173	FP25	
4	JANM38510/10101BDB	40	114m	15u	4.0m	70n	265n	40 Δ	32	10k∅		94	300m	80	5C	A173	FP25	
5	JANM38510/10101BDC	40	114m	15u	4.0m	70n	265n	40 Δ	32	10k∅		94	300m	80	5C	A173	FP25	
6	JANM38510/10101CAA	40	114m	15u	4.0m	70n	265n	40 Δ	32	10k∅		94	300m	80	5C	A173	FP25	
7	JANM38510/10101CAB	40	114m	15u	4.0m	70n	265n	40 Δ	32	10k∅		94	300m	80	5C	A173	FP24d	
8	JANM38510/10101CAC	40	114m	15u	4.0m	70n	265n	40 Δ	32	10k∅		94	300m	80	5C	A173	FP24d	
9	JANM38510/10101CBA	40	114m	15u	4.0m	70n	265n	40 Δ	32	10k∅		94	300m	80	5C	A173	FP24d	
10	JANM38510/10101CBB	40	114m	15u	4.0m	70n	265n	40 Δ	32	10k∅		94	300m	80	5C	A173	FP24e	
11	JANM38510/10101CBC	40	114m	15u	4.0m	70n	265n	40 Δ	32	10k∅		94	300m	80	5C	A173	FP24e	
12	JANM38510/10101CDA	40	114m	15u	4.0m	70n	265n	40 Δ	32	10k∅		94	300m	80	5C	A173	FP24e	
13	JANM38510/10101CDB	40	114m	15u	4.0m	70n	265n	40 Δ	32	10k∅		94	300m	80	5C	A173	FP25	
14	JANM38510/10101CDC	40	114m	15u	4.0m	70n	265n	40 Δ	32	10k∅		94	300m	80	5C	A173	FP25	
15	LM101AF883	40	114m	15u	4.0m	70n	265n	40 Δ	32	10k∅		94	300m	80	5C	A173	FP25	
16	LM107F883	40	120m	3.0m	3.0m	20n	100n		32	10k∅		94	200m	80	5C		FP2n	
17#	MT107-883	40	120m	3.0m	3.0m	20n	100n	30	32	10k∅		93	200m	80	5C		CN1c	
18	LM101H883	40	120m	5.0m	5.0m	1.5u	500n		32	10k∅		94	300m	70	5C		T099	
19#	MT101-883	40	120m	6.0m	6.0m	1.5u	500n	30	32	10k∅		93	300m	70	5C		CN1c	
20	LM101J14	40	120m	3.0u	6.0m	200n	500n	24	300k	24	10k∅	50	94	10 ↑	70	5C	A297	
21	WC101T	40	120m	6.0u	2.0m	1.0u	25u	24	400k	26	13m		100	400m↑	90	07	A012	
22	HA2A2101	40	120m	6.0u	6.0m	500n	1.5u	24	300k	24	10k∅		92	70	5C	A090		
23	HA2A2107-3	40	120m	6.0u	6.0m	500n	1.5u	24	300k	24	10k∅		92	70	5C	A229		
24	HA9W2101	40	120m	6.0u	6.0m	500n	1.5u	24	300k	24	10k∅		92	70	5C	A090		
25	HA9W2107-3	40	120m	6.0u	6.0m	500n	1.5u	24	300k	24	10k∅		92	70	5C	A229		
26	LA101-M	40	120m	6.0u	6.0m	500n	1.5u	3.0	300k	20	2.0k∅	1.2k	105	400m↑	70	5C	A001	
27	LA101F	40	120m	6.0u	6.0m	500n	1.5u	24	300k	20	2.0k∅	1.0M∅	94	400m↑	70	5C	A001	
28	LA101G	40	120m	6.0u	6.0m	500n	1.5u	3.0	300k	20	2.0k∅	1.2k	105	400m↑	70	5C	A001	
29	LA101H	40	120m	6.0u	6.0m	500n	1.5u	24	300k	20	2.0k∅	1.0M∅	94	400m↑	70	5C	A001	
30	LM101D	40	120m	6.0u	6.0m	500n	1.5u	24	300k	24	10k∅	2.0M∅	99	500m	70	5C	A012	
31	S5101G	40	120m	6.0u	6.0m	500n	1.5u	24	300k	24	2.0k∅	1.0M∅	93	500m	70	5C	A012	
32	UC4101	40	120m	6.0u	6.0mΔ	500n	1.5u	24	300k	20	2.0k∅	500k∅	94	400m↑	70	5C	A090	
33	LM201J14	40	120m	6.0u	10m	750n	2.0u	24	100k	24	10k∅		86	10 ↑	65	07	A297	
34	LM201J	40	120m	6.0u	10m	750n	2.0u	24	100k	24	10k∅		86	10 ↑	65	07	A297	
35#	MT201	40	120m	6.0u	10m	750n	2.0u	24	150k	24	10k∅		86		65	07	A001	
36	UC4201	40	120m	8.0u	10mΔ	750n	2.0u	24	150k	20	2.0k∅	500k∅	88	400m↑	65	07	A090	
37	LM201D	40	120m	10u↑	10m	500n	1.5u	24	300k	24	10k∅	2.0M∅	83	500m	65	07	A012	
38	N5201G	40	120m	10u↑	6.0m	750n	2.0u	24	150k	24	1.0k∅	1.0M∅	83	500m	65	07	A001	
39	HA2201	40	120m	10u↑	10m	750n	2.0u	24	150k	24	10k∅	1.0M∅	83	500m	65	28		
40	LA201-M	40	120m	10u↑	10m	750n	2.0u	3.0	150k	20	2.0k∅	1.2k	105	400m↑	70	07	A001	
41	LA201F	40	120m	10u↑	10m	750n	2.0u	3.0	150k	20	2.0k∅	1.2k	105	.40 ↑	70	07	A001	
42	LA201G	40	120m	10u↑	10m	750n	2.0u	3.0	150k	20	2.0k∅	1.2k	105	400m↑	70	07	A001	
43	LA201H	40	120m	10u↑	10m	750n	2.0u	24	150k	20	2.0k∅	1.0M∅	86	400m↑	65	07	A001	
44	LM201F	40	120m	10u↑	10m	750n	2.0u	24	100k	24	10k∅		86		65	07	A012	
45	LM201H	40	120m	10u↑	10m	750n	2.0u	24	100k	24	10k∅		86		65	07	A012	
46	RM101CD	40	120m	10u	10m	750n	2.0u	24	150k	24	10k∅	10k↑	86		65	07	A001	
47	RM101CF	40	120m	10u	10m	750n	2.0u	24	150k	24	10k∅	10k↑	86		65	07	A001	
48	RM101CT	40	120m	10u	10m	750n	2.0u	24	150k	24	10k∅	10k↑	86		65	07	A001	
49	RM101F	40	120m	10u	10m	750n	2.0u	24	150k	24	10k∅	100M↑	86		65	07	A001	
50	RM4101CD	40	120m	10u	10m	750n	2.0u	24	150k	24	10k∅	.01k↑	86		70	07	A001	
51	RM4101CF	40	120m	10u	10m	750n	2.0u	24	150k	24	10k∅	.01k↑	86		70	07	A001	
52	RM4101CT	40	120m	10u	10m	750n	2.0u	24	150k	24	10k∅	.01k↑	86		70	07	A001	
53	RM4101F	40	120m	10u	10m	750n	2.0u	24	150k	24	10k∅	10M↑	86		70	07	A001	
54	ID4101A	40	120m	15u	2.0mΔ	10n	75n	30	1.5M	20	2.0k∅	500k∅	94	400m↑	80	5C	A090	
55	HA2A2101A	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10k∅		92		80	5C	A090	
56	HA2A2107	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10k∅		92		80	5C	A229	
57	HA2A2201A	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10k∅		92		80	28	A090	
58	HA2A2207	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10k∅		92		80	28	A229	
59	HA9W2101A	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10k∅		92		80	5C	A090	
60	HA9W2107	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10k∅		92		80	5C	A229	
61	HA9W2207	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10k∅		92		80	28	A229	
62	LA101AF	40	120m	15u	3.0m	20n	100n	30	1.5M	20	2.0k∅	800k∅	94	400m↑	80	5C	A001	
63	LA101AH	40	120m	15u	3.0m	20n	100n	30	1.5M	20	2.0k∅	800k∅	94	400m↑	80	5C	A001	
64	LA107F	40	120m	15u	3.0m	20n	100n	30	1.5M	20	2.0k∅	800k∅	94	500m	80	5C	A001	
65	LA107H	40	120m	15u	3.0m	20n	100n	30	1.5M	20	2.0k∅	800k∅	94	500m	80	5C	A001	
66	LA201AH	40	120m	15u	3.0m	20n	100n	30	1.5M	20	2.0k∅	800k∅	94	400m↑	80	28	A001	
67	LM101AJ03	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10k∅	100 ↑	94		80	5C	A297	
68	LM101AL	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10k∅		94		80	5C	A351b	
69	LM107	40	120m	15u	3.0m	20n	100n	30	1.5M	20	2.0k∅	800k	93	500m	80	5C	A001	
70	LM107H03	40	120m	15u	3.0m	20n	100n	30	1.5M	32	10k∅		94	200m	80	5C		
71	LM107J03	40	120m	15u	3.0m	20n	100n	30	1.5M	32	10k∅		94	200m	80	5C		
72	LM141F	40	120m	15u	3.0m	10n	60n	30	25M	24	10k∅	100	1.0	80	5C		TO116	
73	LM141H	40	120m	15u	3.0m	10n	60n	30	25M	24	10k∅	100	1.0	80	5C		TO99	
74	LM141J	40	120m	15u	3.0m	10n	60n	30	25M	24	10k∅	100	1.0	80	5C		TO116	
75	LM142F	40	120m	15u	3.0m	10n	60n	30	25M	24	10k∅	100	1.0	80	5C		TO99	
76	LM142H	40	120m	15u	3.0m	10n	60n	30	25M	24	10k∅	100	1.0	80	5C		TO99	
77	LM142J	40	120m	15u	3.0m	10n	60n	30	25M	24	10k∅	3.0M↑∅	100	1.0	80	5C		TO116
78	LM201AD	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10k∅	100 ↑	94		80	28	A001	
79	LM201ADE																	

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINEAR

LINE No.	TYPE No.	PWR SUP RATED	SUP @25°C SPECS	INPUT CHARACTERISTICS							MIN. OUTPUT CHAR. @25°C		MIN TRANSFER CHAR @ 25°C				DRAWINGS		
				1]TOT. VOLT. (ΔV)	2]MAX IDLE P (W)	OVER OPERATING TEMP. RANGE			MIN. @25°C		P-P VOLT. (ΔV)	P-P CUR. (ΔA)	3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T E O M P E	C CKT.	OUT-LINE Δ=MO
						3]DRIFT (V/°C)	4]OFFSET (V)	5]MAX VOLTAGE (A)	6]MAX CURRENT (A)	CM RANGE (ΔV)									
1	T101AF	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kΩ	100 †	94	10 †	80	5C	A172a	TO91	
2	T101AJ	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kΩ	100 †	94	10 †	80	5C	A173a	TO116	
3	T101AV	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kΩ	100 †	94	10 †	80	5C	A174b	TO99	
4	T107F	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kΩ	10	94		80	5C	A172b	TO91	
5	T107J	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kΩ	10	94		80	5C	A173b	TO116	
6	T107V	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kΩ	10	94		80	5C	A174c	TO99	
7	T201AF	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kΩ	100 †	94	10 †	80	28	A172a	TO91	
8	T201AJ	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kΩ	100 †	94	10 †	80	28	A173a	TO116	
9	T201AV	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kΩ	100 †	94	10 †	80	28	A174b	TO99	
10	T207F	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kΩ	10	94		80	28	A172b	TO91	
11	T207J	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kΩ	10	94		80	28	A173b	TO116	
12	T207V	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kΩ	10	94		80	28	A174c	TO99	
13	TOA101AE	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kΩ	100 †	94	10 †	80	5C	A173a	14-4j	
14	TOA107E	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kΩ	10	94		80	5C	A173b	14-4j	
15	TOA201AE	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kΩ	100 †	94	10 †	80	28	A173b	14-4j	
16	TOA207E	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kΩ	10	94		80	28	A173b	14-4j	
17	UC4101A	40	120m	15u	3.0mΔ	20n	100n	30	1.5M	20	2.0kΩ	500kΩ	94	400m†	80	5C	A090	TO99	
18	UC4101AD*	40	120m	15u	3.0mΔ	20n	100n	30	1.5M	20	2.0kΩ	500kΩ	94	400m†	80	5C	A090	14-5	
19	UC4107	40	120m	15u	3.0mΔ	20n	100n	30	1.5M	20	2.0kΩ	700kΩ	94	500m†	80	5C		TO99	
20	UC4741-107	40	120m	15u	3.0mΔ	20n	100n	30	1.5M	20	2.0kΩ	700kΩ	94	500m†	80	5C		TO99	
21	UC4741-107D*	40	120m	15u	3.0mΔ	20n	100n	30	1.5M	20	2.0kΩ	700kΩ	94	500m†	80	5C		14-5	
22	LA207H	40	120m	20u	6.0m	30n	300n	30	500k	20	2.0kΩ	800kΩ	87	500m	70	07	A001	CN1c	
23	LM207	40	120m	20u	6.0m	30n	300n	30	500k	20	2.0kΩ	800kΩ	87	500m	70	07	A001	CN1c	
24#	MT207	40	120m	20u	6.0m	30n	300n	30	500k	24	10kΩ		87		70	28	A090	CN1c	
25	UC4201A	40	120m	20u	6.0mΔ	30n	300n	30	500k	20	2.0kΩ	500kΩ	88	400m†	70	07	A090	TO99	
26	UC4207	40	120m	20u	6.0mΔ	30n	300n	30	500k	20	2.0kΩ	700kΩ	87	500m†	70	07		TO99	
27	HA2A2307	40	120m	30u	10m	70n	300n	24	500k	24	10kΩ		86		70	07	A229	TO99	
28	HA9W2307	40	120m	30u	10m	70n	300n	24	500k	24	10kΩ		86		70	07	A229	TO91	
29	L137AA	40	120m	50u	17m	1.5u	10	300k	24	10m			93		70	5C	A133	TO99	
30	L137CA	40	120m	50u	27m	2.0u	10	150k	24	10m			86		65	07	A133	TO99	
31	LM321AD	40	140m	200n	650u	1.0n	25n	26	2.0M				21		126	07	B050	14-32	
32	LM321AF	40	140m	200n	650u	1.0n	25n	26	2.0M				21		126	07	B050	FP37	
33	LM741AD	40	150m	15u	3.0m‡	70n	2.10n	30 Δ	1.0M	32	10kΩ	437kΩ	94	300m	80	5C	A236	14-48	
34	LM741AF	40	150m	15u	3.0m‡	70n	2.10n	30 Δ	1.0M	32	10kΩ	437kΩ	94	300m	80	5C	A236	FP37	
35	LM741ED	40	150m	15u	3.0m‡	70n	2.10n	30 Δ	1.0M	32	10kΩ	437kΩ	94	300m	80	07	A236	14-48	
36	LM741EJ	40	150m	15u	3.0m‡	70n	2.10n	30 Δ	1.0M	32	10kΩ	437kΩ	94	300m	80	07	A236	8-21	
37	LM741EJ14	40	150m	15u	4.0m	70n	2.10n	30 Δ	1.0M	36	10kΩ	437kΩ	94	300m	80	07	A236	14-49	
38	LM747-1AD*	40	150m	15u	4.0m	70n	2.10n	30 Δ	1.0M	32	10kΩ	437kΩ	94	300m†	80	5C	A440a	14-48	
39	LM747-1AH*	40	150m	15u	4.0m	70n	2.10n	30 Δ	1.0M	32	10kΩ	437kΩ	94	300m†	80	5C	A440a	CN10r	
40	LM747-1AJ*	40	150m	15u	4.0m	70n	2.10n	30 Δ	1.0M	32	10kΩ	437kΩ	94	300m†	80	5C	A440a	14-49	
41	LM747-1ED*	40	150m	15u	4.0m	70n	2.10n	30 Δ	1.0M	32	10kΩ	437kΩ	94	300m†	80	07	A440a	14-48	
42	LM747-1EH*	40	150m	15u	4.0m	70n	2.10n	30 Δ	1.0M	32	10kΩ	437kΩ	94	300m†	80	07	A440a	CN10r	
43	LM747-1EJ*	40	150m	15u	4.0m	70n	2.10n	30 Δ	1.0M	32	10kΩ	437kΩ	94	300m†	80	07	A440a	14-49	
44	LM747-1EN*	40	150m	15u	4.0m	70n	2.10n	30 Δ	1.0M	32	10kΩ	437kΩ	94	300m†	80	07	A440a	14-50	
45	LM747AD*	40	150m	15u	4.0m	70n	2.10n	30 Δ	1.0M	32	10kΩ	437kΩ	94	300m	80	5C	A440	MP493b	
46	LM747ED*	40	150m	15u	4.0m	70n	2.10n	30 Δ	1.0M	36	10kΩ	437kΩ	94	300m	80	07	A440	MP493b	
47	LM747EN*	40	150m	15u	4.0m	70n	2.10n	30 Δ	1.0M	32	10kΩ	437kΩ	94	300m†	80	07	A440	14-50	
48	JANM38510/10105AEA*	40	180m	15u	3.0m	20n	100n	40 Δ		32	10kΩ		94	300m	80	5C	A335	16-33	
49	JANM38510/10105AEB*	40	180m	15u	3.0m	20n	100n	40 Δ		32	10kΩ		94	300m	80	5C	A335	16-33	
50	JANM38510/10105AEC*	40	180m	15u	3.0m	20n	100n	40 Δ		32	10kΩ		94	300m	80	5C	A335	16-33	
51	JANM38510/10105AFA*	40	180m	15u	3.0m	20n	100n	40 Δ		32	10kΩ		94	300m	80	5C	A335	FP43	
52	JANM38510/10105AFB*	40	180m	15u	3.0m	20n	100n	40 Δ		32	10kΩ		94	300m	80	5C	A335	FP43	
53	JANM38510/10105AFC*	40	180m	15u	3.0m	20n	100n	40 Δ		32	10kΩ		94	300m	80	5C	A335	FP43	
54	JANM38510/10105BFA*	40	180m	15u	3.0m	20n	100n	40 Δ		32	10kΩ		94	300m	80	5C	A335	FP43	
55	JANM38510/10105BFB*	40	180m	15u	3.0m	20n	100n	40 Δ		32	10kΩ		94	300m	80	5C	A335	FP43	
56	JANM38510/10105BFC*	40	180m	15u	3.0m	20n	100n	40 Δ		32	10kΩ		94	300m	80	5C	A335	FP43	
57	JANM38510/10105CEC*	40	180m	15u	3.0m	20n	100n	40 Δ		32	10kΩ		100	300m	90	5C	A335	16-33	
58	JANM38510/10105CFA*	40	180m	15u	3.0m	20n	100n	40 Δ		32	10kΩ		100	300m	90	5C	A335	FP43	
59	JANM38510/10105CFB*	40	180m	15u	3.0m	20n	100n	40 Δ		32	10kΩ		100	300m	90	5C	A335	FP43	
60	JANM38510/10105CFC*	40	180m	15u	3.0m	20n	100n	40 Δ		32	10kΩ		100	300m	90	5C	A335	FP43	
61	JANM38510/10102AAA*	40	228m	15u	4.0m	70n	265n	40 Δ		32	10kΩ		94	300m	80	5C	A192	FP24d	
62	JANM38510/10102AAB*	40	228m	15u	4.0m	70n	265n	40 Δ		32	10kΩ		94	300m	80	5C	A192	FP24d	
63	JANM38510/10102AAC*	40	228m	15u	4.0m	70n	265n	40 Δ		32	10kΩ		94	300m	80	5C	A192	FP24d	
64	JANM38510/10102ABA*	40	228m	15u	4.0m	70n	265n	40 Δ		32	10kΩ		94	300m	80	5C	A192	FP24e	
65	JANM38510/10102ABB*	40	228m	15u	4.0m	70n	265n	40 Δ		32	10kΩ		94	300m	80	5C	A192	FP24e	
66	JANM38510/10102ABC*	40	228m	15u	4.0m	70n	265n	40 Δ		32	10kΩ		94	300m	80	5C	A192	FP24e	
67	JANM38510/10102ACA*	40	228m	15u	4.0m	70n	265n	40 Δ		32	10kΩ		94	300m	80	5C	A192	14-19	
68	JANM38510/10102ACB*	40	228m	15u	4.0m	70n	265n	40 Δ		32	10kΩ		94	300m	80	5C	A192	14-19	
69	JANM38510/10102ACC*	40	228m	15u	4.0m	70n	265n	40 Δ		32	10kΩ		94	300m	80	5C	A192	14-19	
70	JANM38510/10102ADA*	40	228m	15u	4.0m	70n	265n	40 Δ		32	10kΩ		94	300m	80	5C	A192	FP25	
71	JANM38510/10102ADB*	40	228m	15u	4.0m	70n	265n	40 Δ		32	10kΩ		94	300m	80	5C	A192	FP25	
72	JANM38510/10102ADC*	40	228m	15u	4.0m	70n	265n	40 Δ		32	10kΩ		94	300m	80	5C	A192	FP25	
73	JANM38510/10102AIA*	40	228m	15u	4.0m	70n	265n	40 Δ		32	10kΩ		94	300m	80	5C	A192	CN10e	
74	JANM38510/10102AIB*	40	228m	15u	4.0m	70n	265n	40 Δ</											

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	TYPE No.	PWR SUP @ 25°C		INPUT CHARACTERISTICS							MIN. OUTPUT		MIN TRANSFER CHAR @ 25°C				DRAWINGS		
		1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	OVER OPERATING		TEMP. RANGE			MIN. @ 25°C		CHAR. @ 25°C		3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T C E O M D P E	KCT.	OUT-LINE Δ=MO
				3 MAX VOLTAGE (V/°C)	4 MAX VOLTAGE (V)	5 MAX CURRENT (A)	6 BIAS (A)	7 CM RANGE (ΔV)	8 DIFF IMP. (Ω)	9 P-P VOLT. (ΔV)	10 P-P CUR. (ΔA)								
1	JANM38510/10102BDA*	40 ♦	228m	15u	4.0m	70n	265n	40 Δ		32	10k∅		94	300m	80	5C	A192	FP25	
2	JANM38510/10102BDB*	40 ♦	228m	15u	4.0m	70n	265n	40 Δ		32	10k∅		94	300m	80	5C	A192	FP25	
3	JANM38510/10102BDC*	40 ♦	228m	15u	4.0m	70n	265n	40 Δ		32	10k∅		94	300m	80	5C	A192	FP25	
4	JANM38510/10102CBA*	40 ♦	228m	15u	4.0m	70n	265n	40 Δ		32	10k∅		94	300m	80	5C	A192	FP24e	
5	JANM38510/10102CBB*	40 ♦	228m	15u	4.0m	70n	265n	40 Δ		32	10k∅		94	300m	80	5C	A192	FP24e	
6	JANM38510/10102CBC*	40 ♦	228m	15u	4.0m	70n	265n	40 Δ		32	10k∅		94	300m	80	5C	A192	FP24e	
7	JANM38510/10102CDA*	40 ♦	228m	15u	4.0m	70n	265n	40 Δ		32	10k∅		94	300m	80	5C	A192	FP25	
8	JANM38510/10102CDB*	40 ♦	228m	15u	4.0m	70n	265n	40 Δ		32	10k∅		94	300m	80	5C	A192	FP25	
9	JANM38510/10102CDC*	40 ♦	228m	15u	4.0m	70n	265n	40 Δ		32	10k∅		94	300m	80	5C	A192	FP25	
10	JANM38510/10107ACA	40 ♦	240m	25u	6.0m	80n	400n	40 Δ		34	10k∅		94	50	80	5C	A336	14-19	
11	JANM38510/10107ACB	40 ♦	240m	25u	6.0m	80n	400n	40 Δ		34	10k∅		94	50	80	5C	A336	14-19	
12	JANM38510/10107ACC	40 ♦	240m	25u	6.0m	80n	400n	40 Δ		34	10k∅		94	50	80	5C	A336	14-19	
13	JANM38510/10107AGA	40 ♦	240m	25u	6.0m	80n	400n	40 Δ		34	10k∅		94	50	80	5C	A336	CN1t	
14	JANM38510/10107AGB	40 ♦	240m	25u	6.0m	80n	400n	40 Δ		34	10k∅		94	50	80	5C	A336	CN1t	
15	JANM38510/10107AGC	40 ♦	240m	25u	6.0m	80n	400n	40 Δ		34	10k∅		94	50	80	5C	A336	CN1t	
16	JANM38510/10107AHA	40 ♦	240m	25u	6.0m	80n	400n	40 Δ		34	10k∅		94	50	80	5C	A336	FP31	
17	JANM38510/10107AHB	40 ♦	240m	25u	6.0m	80n	400n	40 Δ		34	10k∅		94	50	80	5C	A336	FP31	
18	JANM38510/10107AHC	40 ♦	240m	25u	6.0m	80n	400n	40 Δ		34	10k∅		94	50	80	5C	A336	FP31	
19	JANM38510/10107APA	40 ♦	240m	25u	6.0m	80n	400n	40 Δ		34	10k∅		94	50	80	5C	A291d	M694	
20	JANM38510/10107APB	40 ♦	240m	25u	6.0m	80n	400n	40 Δ		34	10k∅		94	50	80	5C	A291d	M694	
21	JANM38510/10107APC	40 ♦	240m	25u	6.0m	80n	400n	40 Δ		34	10k∅		94	50	80	5C	A291d	M694	
22	JANM38510/10107BCA	40 ♦	240m	25u	6.0m	80n	400n	40 Δ		34	10k∅		94	50	80	5C	A336	14-19	
23	JANM38510/10107BCB	40 ♦	240m	25u	6.0m	80n	400n	40 Δ		34	10k∅		94	50	80	5C	A336	14-19	
24	JANM38510/10107BCC	40 ♦	240m	25u	6.0m	80n	400n	40 Δ		34	10k∅		94	50	80	5C	A336	14-19	
25	JANM38510/10107BGB	40 ♦	240m	25u	6.0m	80n	400n	40 Δ		34	10k∅		94	50	80	5C	A336	CN1t	
26	JANM38510/10107BHA	40 ♦	240m	25u	6.0m	80n	400n	40 Δ		34	10k∅		94	50	80	5C	A336	FP31	
27	JANM38510/10107BHB	40 ♦	240m	25u	6.0m	80n	400n	40 Δ		34	10k∅		94	50	80	5C	A336	FP31	
28	JANM38510/10107BHC	40 ♦	240m	25u	6.0m	80n	400n	40 Δ		34	10k∅		94	50	80	5C	A336	FP31	
29	JANM38510/10107BPA	40 ♦	240m	25u	6.0m	80n	400n	40 Δ		34	10k∅		94	50	80	5C	A291d	M694	
30	JANM38510/10107BPB	40 ♦	240m	25u	6.0m	80n	400n	40 Δ		34	10k∅		94	50	80	5C	A291d	M694	
31	JANM38510/10107BPC	40 ♦	240m	25u	6.0m	80n	400n	40 Δ		34	10k∅		94	50	80	5C	A291d	M694	
32	JANM38510/10107CCA	40 ♦	240m	25u	6.0m	80n	400n	40 Δ		34	10k∅		94	50	80	5C	A336	14-19	
33	JANM38510/10107CCB	40 ♦	240m	25u	6.0m	80n	400n	40 Δ		34	10k∅		94	50	80	5C	A336	14-19	
34	JANM38510/10107CCC	40 ♦	240m	25u	6.0m	80n	400n	40 Δ		34	10k∅		94	50	80	5C	A336	14-19	
35	JANM38510/10107CGB	40 ♦	240m	25u	6.0m	80n	400n	40 Δ		34	10k∅		94	50	80	5C	A336	CN1t	
36	JANM38510/10107CHA	40 ♦	240m	25u	6.0m	80n	400n	40 Δ		34	10k∅		94	50	80	5C	A336	FP31	
37	JANM38510/10107CHB	40 ♦	240m	25u	6.0m	80n	400n	40 Δ		34	10k∅		94	50	80	5C	A336	FP31	
38	JANM38510/10107CHC	40 ♦	240m	25u	6.0m	80n	400n	40 Δ		32	10k∅		94	50	80	5C	A336	FP31	
39	JANM38510/10107CPA	40 ♦	240m	25u	6.0m	80n	400n	40 Δ		34	10k∅		94	50	80	5C	A291d	M694	
40	JANM38510/10107CPB	40 ♦	240m	25u	6.0m	80n	400n	40 Δ		34	10k∅		94	50	80	5C	A291d	M694	
41	JANM38510/10107CPC	40 ♦	240m	25u	6.0m	80n	400n	40 Δ		34	10k∅		94	50	80	5C	A291d	M694	
42	NS7560A	40 ♦	240m	25u	6.0m	80n	400n	40 Δ		34	10k∅	15M∅	94	50	80	5C	A291d	M694	
43	LH101D5	40	360m	10u	3.0m	20n	25n	10	2.5M	18	10m		72	60	5C	A005a	CN8b		
44	LM101N	40	500m	6.0u†	6.0m	500n	1.5u	24	300k	24	10m		93	70	5C	A001	TO116		
45	LH201D5	40	500m	10u†	10m	750n	2.0u	24	150k	24	10m		86	65	07	A001	TO116		
46	LH201F5	40	500m	10u†	10m	750n	2.0u	24	150k	24	10k∅		86	65	07	A001	FP37		
47	LM107L	40	500m	15u	3.0m	20n	100n	30	1.5M	24	10k∅		94	80	5C	A235	14-8		
48	LM207L	40	500m	15u	3.0m	20n	100n	30	1.5M	24	10k∅		94	80	28	A235	14-8		
49	844BH	40	570m	15u	3.0m	10n	60n	30	25M	24	10k∅		100	80	5C	A295	FP5		
50	845BH	40	570m	15u	3.0m	10n	60n	30	25M	24	10k∅		100	500m†	80	5C	A296	FP5	
51	846BH	40	570m	15u	3.0m	10n	60n	30	25M	24	10k∅		100	1.0	80	5C	A295a	FP5	
52#	TBA222G	44		3.0u	4.0m	100n	350n	26	2.0M	28	10k∅		88	500m	70	28	A042		
53#	TBA222GG	44		3.0u	4.0m	100n	350n	26	2.0M	28	10k∅		88	500m	70	28	A042		
54	LH740AC	44		5.0u	3.0m	500p	5.0n	24	1.0G	24	2.4m	1.0M	84	80	07		TO99		
55#	SFC2101M	44	79m	3.0u†	1.0m†	40n†	120n†		800k†				104 †	90 †	5C	A001	TO99		
56#	SFC2201	44	79m	6.0u†	2.0m†	10u†	25u†		400k†				104 †	90 †	07	A001	TO99		
57	2358	44	150m	25u	1.0m†	1.0u†	5.0p†	14	1.0T	20	10m	70k	100	65	5C		CN2f		
58	2359	44	150m	25u	1.0m†	1.0u†	5.0p†	14	1.0T	20	10m	70k	100	65	5C		CN2f		
59	RC4741C*	44 ♦	170m		7.5m		200n†	30	1.0M†	24			106		07	A042a	14-5		
60	AD503TH	44	500m	25u	1.0m	5.0n	10n	20	100G	24	10m	1.0M	90	4.0	70	07		TO99	
61	AD513LH	44	500m	25u	1.0m	200p	400p	20	100G	24	10m	1.0M	90	4.0	70	07		TO99	
62	AD513TH	44	500m	25u	1.0m	5.0n	10n	20	100G	24	10m	1.0M	90	4.0	70	5C		TO99	
63	AD511B	44	500m	25u	2.5m	350p	650p	20	100G	20	10m	1.0M	88	4.0	70	28			
64	AD511C	44	500m	25u	2.5m	350p	350p	20	100G	20	10m	1.0M	88	4.0	70	28			
65	ADP511B	44	500m	25u	2.5m	350p	650p	20	100G	20	10m	1.0M	88	4.0	70	28			
66	ADP511C	44	500m	25u	2.5m	350p	350p	20	100G	20	10m	1.0M	88	4.0	70	28			
67	AD511A	44	500m	75u	6.5m	1.6n	1.6n	20	100G	20	10m	1.0M	88	4.0	70	28			
68	ADP511A	44	500m	75u	6.5m	1.6n	1.6n	20	100G	20	10m	1.0M	88	4.0	70	28			
69	D4083	44	1.1	250u	2.0m	.20u†	1.0u	20	50M	20	20m	1.0k∅	56	20	80	05			

LINEAR

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINEAR

LINE No.	TYPE No.	PWR SUP @25°C		INPUT CHARACTERISTICS								MIN. OUTPUT CHAR. @25°C		MIN TRANSFER CHAR @ 25°C			T C E O M P E	DRAWINGS	
		1 TOT. VOLT. (ΔV)	2 MAX IDLE (W)	OVER OPERATING TEMP. RANGE		MAX VOLTAGE		MAX CURRENT		MIN. @25°C		P.P. VOLT. (ΔV)	P.P. CUR. (ΔA)	3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/μS)			CMRR (dB)
				3 DRIFT (V/°C)	4 OFFSET (V)	5 BIAS (A)	CM RANGE (ΔV)	DIFF IMP. (Ω)											
1	D4084	44	1.4	50u	20m	2.0n	100p	20	20	20	20m	2.0k	38	175			05		
2	CQA22	48		12u		8.0n		22	200k	40	6.0m	1.5M	98				28	A034a	
3	UC4200	48	180m	6.0u	10m	.10u	.30u	30	1.0M	40	5.0k	94	.50	90	†		5C	MP5c	
4	UC4200C	48	240m		15m	.10u	.25u	30	3.0M	40	8.0m	1.0M	89	.50	†		07	TO99	
5	UC4200CM	48	240m		15m	.10u	.25u	30	2.0M	40	8.0m	1.0M	89	.50	†		07	14-2d	
6	115E	48	240m		25u		350n	40	200k	40	60m	2.0M	94	10			28	MP6g	
7	L161	48	256m	20u		5.0n		40	1.0M	40	10m	1.5M	108	1.2		80	48	MP8b	
8	160	48	260m	20u		5.0n	5.0n	40	1.0M	40	2.5m	1.5M	108	1.2		80	28	MP8c	
9	D23	48	336m	10u	1.0m		100p	10	100G	†	4.0m	2.5M	88	2.0		80	†	5A	MP5g
10	901A	48	360m	15u				20	3.0M	20	3.0M	2.0M	106	15	∅				CB4
11	SA24	48	384m	25u				20	500k	40	4.0m	1.0M	97	600m	†	86	28		MP8b
12	PA104	48	384m	50u			30n	4.0	300k	40	6.0m	400k	73	3.0u	†	86	28		MP167
13	161A	48	416m	20u		5.0n	5.0n	40	1.0M	40	10m	1.5M	108	1.2		80	28		MP8c
14	PA209	48	480m	6.0u		5.0n	5.0n	30	300	40	30m	100k	109	150n	†	90	28		MP168
15	DL21	48	480m	20u		200n	25n	22	100k	40	40m	1.5M	94			28			MP8
16	SL26	48	480m	30u			15n	20	500k	40	40m	1.0M	113	300m	†	86	28		MP8b
17	145E	48	576m	500n	25u		100p	38	SE 300k	40	30m	100M	160	150		58	28		MP53
18	132AE	48	576m	10u			50p	38	100G	40	6.0m	2.5M	100	5.0		74	28		MP53ac
19	141	48	720m	1.0u			10p	SE	1.0M	40	8.0m	1.0M	132	15		28			CB6
20	141C	48	720m	1.0u			10p	SE	1.0M	40	8.0m	1.0M	132	15		28			CB7
21	D30B	48	720m	10u	5.0m	25n		30	500k	37	120m	1.0M	84	1.8		28			MP2
22	OA330	48	1.2	100u		1.5u		40	100k	40	20m	3.0M	114	20	†	06			A009
23	D31	48	1.4	25u	5.0m	.50u		10	500k	35	300m	750k	86	1.8		70	†		MP5g
24	D34	48	1.4	50u	5.0m	.75u		10	100k	35	500m	1.0M	86	1.50		90	†		MP26
25	D42	48	4.8	30u	5.0m	100n	300n	36	500k	36	1.0	800k	86	250m		90	†		MP333
26	145Δ	50	250m	30u			100p	30	100G	40	2.2m	1.5M	94	1.2		70	28		MP6c
27	450	50	400m	50u	100m		.20u	40	20k	40	4.0m	2.0M	56	5.0	†	80	†		A039
28	444	50	1.0	50u	100m		.20u	40	20k	40	8.0m	2.0M	56	5.0	†	80	†		A039
29	430	50	1.0	500u	100m	1.0u	.20u	40	500k	40	1.0	50k	54	5.0		80	28		OCT
30	440	50	1.0	500u	100m	1.0u	.20u	40	20k	44	4.0m	2.0M	56	5.0	†	80	†		OCT
31	976	50	1.5	50u	10m	3.0u		10	3.0k	20	20m	1.0M	50	250		05			MP
32#	SI5200A*	50	200						20k	80	5.0								A144
33#	SI5200B	50	200						20k	80	5.0								A144
34	1549/13	52	154m	15u	1.5m	50n		30	500k	40	20m	1.0M	114	2.0		48			MP1
35	1549/15	52	154m	15u	1.5m	50n		30	500k	40	20m	1.0M	114	2.0		48			MP2
36	1549/16	52	154m	15u	1.5m	50n		30	500k	40	20m	1.0M	114	2.0		48			14-1
37	1549/26	52	154m	15u	1.5m	50n		30	500k	40	20m	1.0M	114	2.0		48			MP4
38	1548-13	52	208m	1.0u	100n	200p		SE 30	500k	40	20m	10M	160	20	†	48			MP1
39	1548-16	52	208m	1.0u	100n	200p		SE 30	500k	40	20m	10M	160	20	†	48			14-1
40	1548-26	52	208m	1.0u	100n	200p		SE 30	500k	40	20m	10M	160	20	†	48			MP4
41	1765	52	208m	5.0u	100n	30p	50p	10	10G	10	40m	10M	100	20		100	58		MP5z
42	1719	52	208m	25u		30p	50p	10	10G	10	40m	10M	100	20		100	58		MP5z
43	1540/13	52	260m	10u	1.5m	50n		30	500k	40	20m	1.0M	100	1.2		48			MP1
44	1540/15	52	260m	10u	1.5m	50n		30	500k	40	20m	1.0M	100	1.2		48			MP2
45	1540/16	52	260m	10u	1.5m	50n		30	500k	40	20m	1.0M	100	1.2		48			14-1
46	1540/26	52	260m	10u	1.5m	50n		30	500k	40	20m	1.0M	100	1.2		48			MP4
47	1547/13	52	260m	20u	2.0m	.10u		30	200k	40	10m	800k	94	1.2		48			MP1
48	1547/15	52	260m	20u	2.0m	.10u		30	200k	40	10m	800k	94	1.2		48			MP2
49	1547/16	52	260m	20u	2.0m	.10u		30	200k	40	10m	800k	94	1.2		48			14-1
50	1547/26	52	260m	20u	2.0m	.10u		30	200k	40	10m	800k	94	1.2		48			MP4
51	1543/13	52	364m	15u	2.0m	250p		30	100G	40	20m	1.0M	96	6.0		48			MP1
52	1543/15	52	364m	15u	2.0m	250p		30	100G	40	20m	1.0M	96	6.0		48			MP2
53	1543/16	52	364m	15u	2.0m	250p		30	100G	40	20m	1.0M	96	6.0		48			14-1
54	1543/26	52	364m	15u	2.0m	250p		30	100G	40	20m	1.0M	96	6.0		48			MP4
55	H2030BL	52	416m	500n	100u		80p	SE 30	600k	40	20m	1.0M	120	12		28			MP2e
56	1548-25	52	416m	1.0u	100u		200p	30	500k	40	20m	1.0M	100	12		28			MP290b
57	D20B	52	416m	10u	50m	15n		30	500k	40	40m	1.0M	100	1.8		70	†		MP2
58	USL1C	52	730m	1.0u	20m	10n	10n	10	300k	8.0	10m	1.5M	100	1.1	†	125	†		MP8
59	USL1B	52	730m	2.0u	20m	10n	10n	10	300k	8.0	10m	1.5M	100	1.1	†	125	†		MP8
60	USL1A	52	730m	5.0u	20m	10n	10n	10	300k	8.0	10m	1.5M	100	1.1	†	125	†		MP8
61	USL1	52	730m	10u	20m	10n	10n	10	300k	8.0	10m	1.5M	100	1.1	†	125	†		MP8
62	3070/40	52	1.3	10u	30m	5.0n		40	500k	40	600m	1.5M	110	1.2		100	48		MP2b
63	3042/16	52	1.6	10u	30u	5.0n		40	500k	40	1.2	1.5M	110	1.2		100	48		14-1
64	411%	55	1.1	10u		85u		20	10k	80	50	150k	26	150m		5F			MP170
65	411%	55	1.1	10u		85u		20	10k	80	50	150k	26	150m		5F			MP170
66	412	55	1.1	10u		85u		20	10k	80	50	150k	26	150m		5F			MP170
67	KM42SP	56			Δ	20p		20	Δ	22	20m	10k	46	150	∅	60	5C		MP23b
68	KM41SP	56			Δ	20p		20	Δ	22	2.2m	5.0M	46	600m	∅	60	5C		MP23a
69	KM43HSP	56			Δ	20p		20	Δ	22	2.2m	5.0M	46	40	∅	60	5C		MP23b
70	VA5B153631	56	168m		7.0m	7.0n	35n	52	10M	44	5.0k	1.0M	93	2.0	†	80	5C		TO99
71	VA5B153639	56	168m		7.0m	7.0n	35n	52	10M	44	5.0k	1.0M	93	2.0	†	80	07		A118
72	LM144D	56	224m		6.0m	7.0n	35n	24		22	5.0k	20k	100	2.5	†	80	5C		A331b
73	LM144F	56	224m		6.0m	7.0n	35n	24		22	5.0k	20k	100	2.5u	†	80	5C		A331d
74	VA5B143631	56	224m		14m	14n	55n	52	10M	44	5.0k	1.0M	93	2.0	†	70	5C		A118
75	VA5B143639	56	224m		14m	14n	55n	52	10M	44	5.0k	1.0M	93	2.0	†	70	07		A118
76	H9030A	56	224m	4.6u	.67m	53n	.15u	40	250k	40	70m	2.0M	100	3.2	†	75	4A		MP5ac
77	H9030B	56	224m	4.6u	.67m	53n	.15u	40	250k	40	70m	2.0M	100	3.2	†	75	4A		MP2d
78	LM344D	56	280m		10m	14n	55n	22		20	5.0k	20k	97	2.5	†	70	07		A331b
79	D26	56	280m	20u		20n		38	300k	40	10m	1.0M	98	600m		80	58		

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	TYPE No.	PWR SUP @ 25°C		INPUT CHARACTERISTICS						MIN. OUTPUT CHAR. @ 25°C		MIN TRANSFER CHAR @ 25°C				DRAWINGS		
		1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	OVER OPERATING TEMP. RANGE		MAX VOLTAGE		MAX CURRENT		MIN. @ 25°C		3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T C E O M D P E	CKT.	OUT-LINE Δ=MO
				3 DRFT (V/°C)	4 OFST (V)	5 DRFT (A)	6 OFST (A)	CM RANGE (ΔV)	DIFF IMP. (Ω)	P-P VOLT. (ΔV)	P-P CUR. (ΔA)							
1	SA60A	150	2.2	20u	Δ			20n	SE	500k	120	10m	2.0M	100	300m	86	28	
2	143	150	3.7	1.0u	Δ			10p	SE	1.0M	100	100m	1.0M	132	7.0		28	CB6
3	143C	150	3.7	1.0u	Δ			10p	SE	1.0M	100	100m	1.0M	132	7.0		28	CB7
4	9699	160	2.4	50u	20m	30n	100n	150		10M	150	20m	100M	80	100	40	57	MP210
5	1545/13	240	1.7	25u	2.5m	250p		40		100G	200	20m	750k	106	12		48	MP1
6	1545/16	240	1.7	25u	2.5m	250p		40		100G	200	20m	750k	106	12		48	14-1
7	1545/25	240	1.7	25u	2.5m	250p		40		100G	200	20m	750k	106	12		48	MP2a
8	1545/26	240	1.7	25u	2.5m	250p		40		100G	200	20m	750k	106	12		48	MP4
9	AM301B	240	2.4	20u	1.0m	10p	30p	100		1.0T	220	40m	5.0M	120	100	100	28	MP290j
10	1342	240	2.4	25u	1.5m	80n	80n	40		500k	200	20m	250k	106	2.0		48	MP
11	1542/13	240	2.4	25u	2.5m	80n	80n	40		500k	200	20m	250k	106	1.8		48	MP1
12	1542/16	240	2.4	25u	2.5m	80n	80n	40		500k	200	20m	250k	106	1.8		48	14-1
13	1542/25	240	2.4	25u	2.5m	80n	80n	40		500k	200	20m	250k	106	1.8		48	MP2a
14	1542/26	240	2.4	25u	2.5m	80n	80n	40		500k	200	20m	250k	106	1.8		48	MP4
15	3038/25	240	2.4	30u	5.0m			20p		100G	200	40m	3.0M	106	12	90	48	MP2a
16	3460	240	2.4	50u	1.0m	10p	25p	280		100G	280	20m	1.0M	106	10	90	28	MP287d
17	AM301A	240	2.4	50u	1.0m	10p	30p	100		1.0T	220	40m	5.0M	120	100	100	28	MP290j
18	3138/25	240	2.4	100u	5.0m			20p		100G	200	40m	3.0M	106	12	90	48	MP2a
19	1037	240	2.8	50u	2.0m		30p	210		1.0T	220	20m	1.0M	120	12	90	28	MP448a
20	1037-20	240	2.8	50u	2.0m		30p	210		1.0T	220	20m	1.0M	120	12	90	28	MP448a
21	MLF100	240	2.9	50u	Δ	500p	1.0n	20		100M	200	20m	1.0M	100	7.0	60	28	MP10
22	1644A-16	240	4.8	1.0u	100u	1.3n			SE	50k	200	20m	2.5M	140	30		48	14-1
23	1644A-26	240	4.8	1.0u	100u	1.3n			SE	50k	200	20m	2.5M	140	30		48	MP4
24	3271-16	240	4.8	1.0u	110u			200p		500k	20	40m	1.0M	140	20		28	MP290b
25	SP102	250	1.0	92u	Δ			10p		10G	200	4.0m	75k	138	80m		28	CB2
26	170Δ	250	1.7	20u	5.0m	20n	150n	40	Δ	150k	200	10m	10M	100	20	80	28	MP22
27	207	250	2.5	200n	20u	50p			SE	220k	200	20m	10M	180	30		27	MP17a
28	140B	250	5.0	3.0u	Δ			30p	SE	500k	200	40m	1.0M	140	12		28	CB5
29	142	250	6.2	1.0u	Δ			10p	SE	1.0M	200	40m	1.0M	132	15		28	CB6
30	142C	250	6.2	1.0u	Δ			10p	SE	1.0M	200	40m	1.0M	132	15		28	CB7
31	AM302B	300	3.0	20u	1.0m	10p	30p	270		1.0T	240	40m	5.0M	120	100	100	28	MP290j
32	AM302A	300	3.0	50u	1.0m	10p	30p	270		1.0T	240	40m	5.0M	120	100	100	28	MP290j
33	D41	300	9.6	20u	5.0m	500n		38		150k	250	500m	500k	100			58	MP117
34	140BHV	350	8.7	3.0u	Δ			30p	SE	500k	200	100m	500k	140	10		28	CB5

LINEAR

4. DIFFERENTIAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	TYPE No.	PWR SUP @ 25°C		INPUT CHARACTERISTICS						MIN. OUTPUT		MIN TRANSFER CHAR @ 25°C				DRAWINGS			
		RATED SPECS		OVER OPERATING TEMP. RANGE						CHAR. @ 25°C		3dB BW	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T C M P E	CKT.	OUT-LINE Δ=MO	
		1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	MAX VOLTAGE		MAX CURRENT		CM RANGE (ΔV)	DIFF IMP. (Ω)	P.P. VOLT. (ΔV)	P.P. CUR. (ΔA)								
				3 DRIFT (V/°C)	4 OFFSET (V)	5 BIAS (A)	6 BIAS (A)												
1#	326-01	6.0	9.0m							1.0	5.0m	200k	66			5C	B001	T078	
2#	MB326	6.0	9.0m							5.0	5.0m	137k	66			5C	B001	T078	
3#	M326	6.0	9.0m							5.0	5.0m	200k	66			5C	B001	T078	
4	NE515G	9.0	2.1m	5.0	4.0m	500n	3.0u	2.0	1.4k	5.3	1.0M	68		100	07	5C	B016	T091	
5	SE515G	9.0	63m	5.0	3.0m	500n	3.0u	2.5	1.0k	5.7	1.0M	71		100	05	5C	B016	T091	
6	PA7605	10	95m	1.5u	1.0m	20u			200	3.3	27M	48		45	57	5C	B014a	FP2f	
7	PA7605	10	125m	1.5u	1.0m	20u			10k	3.3	27M	48		45	5C	B014	FP2f		
8	PA7605-39	10	200m						140	1.0	30M	52		60	07	5C	B014a	T099	
9	PL7605-39	10	200m						140	1.0	30M	52		60	07	5C	B014a	FP2c	
10	MFC8030	12			10m			10				32		35	07	5C	B039	8-2a	
11#	64B4	12	80m	28u	8.0m	2.0u	10u	3.5	3.0k	5.0	2.0M	28		60	5C	B033	TO100		
12#	64B4P	12	80m	28u	8.0m	2.0u	10u	3.5	3.0k	5.0	2.0M	28		60	5C	B033	T091		
13#	HA1110S	12	110m		7.0m	10u		5.0	50k	3.8	20M	16		70	27	5C	B023	TO101	
14	CA3053F	12	120m								3.5m				5C	B021	8-11c		
15	LM3053N	12	150m												07	5C	B021	8-16	
16	MIC730-5C	12	156m		7.5m	5.0u	20u	7.0	2.5k	5.0	100k	1.0M	20	60	07	5C	B003	T099	
17	UC4730C	12	156m		7.5m	5.0u	20u	7.0	2.5k	5.0	100k	1.0M	20	60	07	5C	B003	T099	
18	MIC730-1C	12	156m	3.0u	3.5m	3.0u	15u	7.0	5.0k	5.0	100k	1.0M	20	70	5C	B003	T099		
19	UC4730	12	156m	3.0u	3.5m	3.0u	15u	7.0	5.0k	5.0	100k	1.0M	20	70	5C	B003	T099		
20	SE511R	12	180m		3.5m	7.5u	40u							60	5C	B026	FP13		
21	uA730HM	12	180m		3.5m	3.0u	15u	3.5	5.0k	5.0	100k	1.0M	60	70	5C	B003	CN1d		
22	NE511R	12	180m		4.0m	9.0u	40u							60	07	5C	B026	FP13	
23	uA730HC	12	180m		7.5m	5.0u	20u	3.5	2.5k	5.0	100k	60		60	07	5C	B029	CN1d	
24	SN5511S	12	180m	4.0u	1.0m	600n	10u	5.2	5.0k	5.0	3.0k	70		95	07	5A	B003	T089	
25	SN5511FA	12	180m	4.0u	5.0m	7.0u	15u	4.5	5.0k	2.5	5.0k	3.0M	61		95	07	5C	B029	FP2t
26	SN5511L	12	180m	4.0u	5.0m	7.0u	15u	4.5	5.0k	2.5	5.0k	3.0M	61		95	07	5C	B029a	Δ006AD
27	SN5511N	12	180m	4.0u	5.0m	7.0u	15u	4.5	5.0k	2.5	5.0k	3.0M	61		95	07	5C	B029	Δ001AA
28	SN7511S	12	180m	4.0u	5.0m	10u	20u	2.0	5.0k	1.5	5.0k	3.0M	55		90	07	5C	B029a	Δ006AD
29	SN7511N	12	180m	4.0u	5.0m	10u	20u	2.0	5.0k	1.5	5.0k	3.0M	55		90	07	5C	B029	Δ001AA
30	SN7511FA	12	180m	4.0u	5.0m	10u	20u	2.0	5.0k	1.5	5.0k	3.0M	55		90	07	5C	B029	FP2t
31#	MA733CL	12	288m			5.0u	30u	2.0	4.0k	3.0	2.0k	50M	38		70	07	5C	B046	TO100
32#	MA733ML	12	288m			3.0u	20u	2.0	4.0k	3.0	2.0k	50M	39		70	07	5C	B046	TO100
33	SN52733FA	12	288m			3.0u	20u	2.0	4.0k	3.0	2.0k	50M	39		70	07	5C	B046	14-4h
34	SN52733FA	12	288m		1.5	3.0u	20u	2.0	4.0k	3.0	2.0k	50M	47		60	5C	B046	FP2t	
35	SN72733FA	12	288m		1.5	3.0u	20u	2.0	4.0k	3.0	2.0k	50M	47		60	07	5C	B046	FP2t
36#	SN2620	14	120m		10m	1.0u						3.0M	32		60	5C	B036	T084	
37#	327-02	15			30m					9.0	1.0k	500k	70		5C	B002	T078		
38#	M327	15			30m					9.0	1.0k	500k	70		5C	B002	T078		
39	LM2900D*	15	150m				200n		1.0M	13	2.0k	2.5M	66		48	A410	14-32		
40	LM1900D*	15	180m				100n		1.0M	13	2.0k	2.5M	66		500m	A410	14-32		
41	273K	15	225m	100u	50m		50p	10k	1.0T	6.0	50k	4.0k	0.0	115	07		MP253		
42	276J	15	225m	100u	50m		50p	10k	100M	3.4	50k	1.0k	70	126	07		MP411b		
43	279J	15	225m	100u	50m		50p	1.0k	1.0T	6.0	50k	4.0k	60	140	07	B94	MP533		
44	274J	15	900m	200u	50m		50p	1.0k	1.0T	20	50k	1.2k	40	115	07	B051	MP411		
45#	TAA201	18	26m	10u	7.0m				300k	13	150k	32		70	5C	B030	T084		
46#	TAA201	18	33m	20u	10m	30n	1.2u	SE	75k	12	150k	32		70	57	B030	T078		
47#	WC115T	18	33m	20u	10m	30n	1.2u	SE	75k	12	150k	32		70	57	B065	CN1s		
48	SFC2525F	18	45m	10u	10m	9.0u	18u	2.5	2.5k	14	13M	45		90	08		FPZ		
49	SFC2525G	18	45m	10u	10m	9.0u	18u	2.5	2.5k	14	13M	45		90	08		CN17c		
50#	71B4	18	100m	20u	5.0m	3.0u	20u	5.0k	5.0k	8.0	2.0M	40		70	5C	B034	TO100		
51#	71B4P	18	100m	20u	5.0m	3.0u	20u	5.0k	5.0k	8.0	2.0M	40		70	5C	B034	T091		
52#	74B4	18	100m	20u	5.0m	3.0u	20u	5.0k	5.0k	8.0	2.0M	40		70	5C	B035	TO101		
53#	74B4P	18	100m	20u	5.0m	3.0u	20u	5.0k	5.0k	8.0	2.0M	40		70	5C	B035	T086		
54#	TAA242Δ	18	120m	20u	6.0m	3.0u	20u	4.5	8.0k	10	100k	63		70	5C	B015	T091		
55	DM702D	18	120m	10u	6.0m	3.0u	20u	8.0	8.0k	10	100k	30M	63		70	5C		14-2b	
56	DM702F	18	120m	10u	6.0m	3.0u	20u	8.0	8.0k	10	100k	30M	63		70	5C		FP2a	
57	DM702T	18	120m	10u	6.0m	3.0u	20u	8.0	8.0k	10	100k	30M	63		70	5C		CN1b	
58	DC702D	18	125m	10u	15m	5.0u	20u	8.0	6.0k	10	100k	30M	60	65	07			14-2b	
59	DC702F	18	125m	10u	15m	5.0u	20u	8.0	6.0k	10	100k	30M	60	65	07			FP2a	
60	DC702T	18	125m	10u	15m	5.0u	20u	8.0	6.0k	10	100k	30M	60	65	07			CN1b	
61	PA7712-39	18	125m	20u	6.5m	2.5u	12u	4.5	10k	10	100k	1.0M	66	35	07			CN1	
62	PD7712-39	18	125m	20u	6.5m	2.5u	12u	4.5	10k	10	100k	1.0M	66	35	07	B010	MPZ		
63	PL7712-39	18	125m	20u	6.5m	2.5u	12u	4.5	10k	10	100k	1.0M	66	35	07	B010	FP2c		
64	PA7712-31	18	135m	10u	3.0m	1.5u	10u	4.5	16k	10	100k	1.0M	68	35	07	5C	B010	CN1	
65	PD7712-31	18	135m	10u	3.0m	1.5u	10u	4.5	16k	10	100k	1.0M	68	35	07	5C	B010	MPZ	
66	PL7712-31	18	135m	10u	3.0m	1.5u	10u	4.5	16k	10	100k	1.0M	68	35	07	5C	B010	FP2c	
67	VA3026	18	600m		5.0m	2.0u	24u	5.0				32		100	07	5C	Z5403	Δ006AG	
68	LM3026H	18	600m	1.1u	5.0m	2.0u	24u	5.0	3.5k	12	550M	32		100	07	5C	Z5403	CN18d	
69	SI3026EA	18	600m	1.1u	5.0m	2.0u	24u	5.0	3.5k	12	550M	32		100	07	5C	Z5403	Δ006AG	
70	LM3054N	18	750m	1.1u	5.0m	2.0u	24u	5.0	3.5k	12	550M	32		100	08	Z5402	14-4n		
71	SI3054CJ	18	750m	1.1u	5.0m	2.0u	24u	5.0	3.5k	12	550M	32		100	07	5C	Z5403	Δ001AB	
72	MC1429G	24	2.0u	12m	3.0u	4.0u	10 Δ		30k	5.0	200k	27		70	07	B009	CN10c		
73	MC1529G	24	9.0u	9.0m	2.0u	4.0u	10 Δ		40k	5.0	150k	28		70	5C	B009	CN10c		
74	MC1526G	24	11u	7.0m	2.0u	3.5u	10 Δ		60k	7.0	500k	45		80	5C	B009	CN10c		
75	MC1525G	24	16u	5.0m	4.0u	2.0u	10 Δ		2.0k	7.0	1.4M	75		80	5C	B008	CN10c		
76#	SFC2525	24	65m	5.0u	2.0m	1.5u	7.0u	15k			1.7M	39		100	08	B022	TO100		
77#	SFC2525M	24	65m	5.0u	2.0m	1.5u	7.0u	15k			1.7M	39		100	07	5C	B022	TO100	
78	SN523A	24	100m	9.0u	12m	5.0u	5.0u	10	5.0k	24	70k	78		90	07	5C	B025	T084	
79	SN5231L	24	100m	9.0u	12m	2.0u	5.0u	10	5.0k	24	70k	72		90	07	5C	B028	CN17c	
80	SN723	24	100m	10u	15m	4.0u	6.5u	10	4.0k	20	60k	70		80					

4. DIFFERENTIAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	TYPE No.	PWR SUP @ 25°C RATED SPECS		INPUT CHARACTERISTICS							MIN. OUTPUT CHAR. @ 25°C		MIN TRANSFER CHAR @ 25°C				T C E O M D P E	DRAWINGS CKT. OUT. LINE Δ = MO	
		1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	OVER OPERATING TEMP. RANGE		MAX VOLTAGE		MAX CURRENT		CM RANGE (ΔV)	DIFF IMP. (Ω)	P-P VOLT. (ΔV)	P-P CUR. (ΔA)	3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/US)			CMRR (dB)
				3 DRIFT (V/°C)	4 OFST (V)	5 OFFSET (A)	BIAS (A)	MIN. @ 25°C	DIFF										
1	805	30	180m	10u\$	2.0m\$Δ	30p\$	20	100G†	20 †	50m†	50m†	113 †	40 †	80	28				
2	806Z	30	180m	10u\$	2.0m\$Δ	30p\$	20	100G†	20 †	50m†	50m†	120 †	50 †	80	28				
3	AM200C	30	210m	1.0u\$	2.0m\$Δ	5.0n†	50n†	16 †	10M†	22	10m	50k†	80 †	800m	100	27	B056	MP85 MP8b MP51c	
4	AM200B	30	210m	3.0u\$	2.0m\$Δ	10n†	50n†	16 †	10M†	22	10m	50k†	80 †	800m	90	27	B056	MP51c	
5	3153-25	30	210m	5.0u\$	2.0m\$Δ	50p	20	100G†	20	20m	100k	60	6.0	120	28				
6	AM200A	30	210m	10u\$	2.0m\$Δ	20n†	100n†	16 †	10M†	22	10m	50k†	80 †	800m	90	27	B056	MP2a MP51c	
7	3154-25	30	210m	15u	2.0m\$Δ	50p	20	100G†	20	20m	100k	60	6.0	120	28				
8	9071	30	240m	1.0u	100u	5.0n	50n	22	100M	20	20m	1.0M\$	60	1.0	100	58		MP2a MP5cg MP110a	
9	TA1100	30	240m†	50u	2.0m\$Δ	100p\$	20	100G	40	4.0k∅	1.5k†	60	1.0	100 †	28				
10	316	30	270m†	2.0u	2.0m	20n\$	20	100M†	20 †	10m†	30k†	60 †	1.5 †	100	07	B054	MP430		
11	3263/14	30	300m	3.0u\$	2.0m	10n†	50n\$	20	300M†	20	10m	75k	60 †	6.0 †	115 †	28		MP5bx MP55bx	
12	3264/14	30	300m	10u\$	2.0m	10n†	50n\$	20	300M†	20	10m	75k	60 †	6.0 †	115 †	28			
13	ZA701D20	30	300m†	10u\$	8.0m\$	500n\$	30	300M†	20	20m	5.0k†	60 †	400m†	74	28				
14	5003	30	300m	20u	5.2m	122n	725n	22	200k	22	300m	50k	100	10	80	07	B047	MP58e MP199h	
15	9070	30	360m	25u	2.0m\$Δ	300n	1.0u	24	100M	20	20m	20k	80	2.0	140	59		MP312	
16	FA601A	30	360m	50u	2.0m\$Δ	50p	100p	20	100G	20	10m	1.0M	20	2.0	86	27		MP51	
17	1884	30	450m	50u	2.0m\$Δ	100p\$	50p	20 †	10G†	20	40k	25M∅†	93	100 †	73 †	58		MP5ax	
18	272J	30	450m	150u	50m\$Δ	50p\$	1.0k†	1.0†	6.0	50k∅	2.0k	0.0	0.0	115	07				
19	273J	30	450m	150u	50m\$Δ	50p\$	1.0k†	1.0†	6.0	50k∅	4.0k	0.0	0.0	115	07				
20	4253-01	30	480m	1.0u	500u\$	10p\$	20	10T†	20	10m	75k†	80	5.0k∅	80	04				
21	425301	30	480m	1.0u	10m\$Δ	10p\$	72 Δ	10T	20	10m	75k	80	5.0k∅	80	05				
22	L140AA\$	30	500m	5.0m	10m	15n\$	15n\$	24	1.2m	24	1.2m	300k	70	200m	80	5C		TO99	
23	L140CA\$	30	500m	10m	30n\$	100n\$	24	1.0m	20	1.0m	300k	60	200m	70	07				
24	176B	30	540m	20	10p	50p	20	1.0T	20	40m	5.0M	100	500	70	28				
25	176A	30	540m	40	10p	50p	20	1.0T	20	40m	5.0M	100	500	70	28				
26	3061-25	30	600m	3.0u\$	1.0m\$Δ	10n†	20n\$	20	10M	20	20m	50k	60 †	1.2	110 †	28		MP199a	
27	3161-25	30	600m	10u\$	1.0m\$Δ	10n†	20n\$	20	10M	20	20m	50k	60 †	1.2	110 †	28		MP290	
28	L143AL\$*	30	750m	5.0m	50m\$	200nZ	24 Δ	20	1.0m	20	300k∅	70	80	5C		A141	TO86		
29	L143AP\$*	30	750m	5.0m	50m\$	200nZ	24 Δ	20	1.0m	20	300k∅	70	80	5C		A141	TO116		
30	L143CL\$*	30	750m	10m	60n\$	250nZ	24 Δ	20	1.0m	20	300k∅	60	70	07		A141	TO86		
31	L143CP\$*	30	750m	10m	60n\$	250nZ	24 Δ	20	1.0m	20	300k∅	60	70	07		A141	TO116		
32	1941	30	750m	50u	2.0m\$Δ	100p\$	20 †	10G†	20	40m	75M∅†	87	1.0k†	69 †	58				
33	340	30	900m†	1.0u	2.0m\$Δ	20n\$	20 †	50M†	20 †	20m†	10k†	63	300m†	100 †	07	B055	MP431		
34	3090-25	30	900m	1.0u\$	1.0m\$Δ	20n\$	20	10M	20	20m	50k	60 †	800m	110 †	28				
35	3190-25	30	900m	5.0u\$	1.0m\$Δ	20n\$	20	10M	20	20m	50k	60 †	800m	110 †	28				
36	9072	30	1.2	3.0m	10m	3.0u	10u	20	1.0k	20	400m	10MΔ	100	250	70	57	B059	MP460	
37	602K100	32	448m	2.0u	100uΔ\$	50n\$	20	1.0G†	20	8.0m	75k	86	07						
38	602J100	32	448m	10u	200uΔ\$	50n\$	20	1.0G†	20	8.0m	75k	86	07						
39	602L10	32	448m	10u	300uΔ\$	50n\$	20	1.0G†	20	8.0m	75k	86	07						
40	601%	32	1.9	2.0u	150uΔ\$	10n\$	20	10M†	20	40m	30k	26	120	27					
41#	L127T9	36	330m†	600n†	2.0m†	2.5n†	12n†	26 †	300M†	14 †	60u	180k†	40 †	100 †	28				
42	1301	36	432m†	25u\$	2.0m†	100p\$	20	100G	22	10m	15k\$	60	2.0	86	27				
43	FA802	36	432m†	25u\$	2.0m†	50p\$	100p\$	20	100G	22	10m	1.0M∅	86	27					
44	240	36	432m†	50u\$	2.0m†	100p\$	20	100G	22	4.0m	1.0M\$	60	5.0	80 †	28				
45	1300	36	432m†	50u\$	2.0m†	100p\$	20	100G	22	10m	15k\$	60	2.0	86	27				
46	FA801	36	432m†	50u\$	2.0m†	50p\$	100p\$	20	100G	22	10m	1.0M∅	86	27					
47	3625B	36	500m	1.0u	500u	100n	30	300M	20	10m	50k	100 †	300m†	80 †	28				
48	3625A	36	500m	3.0u	500u	100n	30	300M	20	10m	50k	100 †	300m†	80 †	28				
49#	L127T2	36	510m	1.5u	10m	15n	20n	24	300M†	10	20u	180k†	35 †	80	5C				
50	3345-14	40 †	12m	3.0u	2.0m	20n\$	36 †	300M†	36 †	2.0m†	3.0k	60	20	110	48				
51	3346-14	40 †	12m	10u	2.0m	20n\$	36 †	300M†	36 †	2.0m†	3.0k	60	20	110	48				
52	3233-15	40 †	48m	10u\$	2.0m\$Δ	50p\$	36 †	100G†	36 †	10m†	30k	60	1.2 †	70	48				
53	3234-15	40 †	48m	25u	2.0m\$Δ	50p\$	36 †	100G†	36 †	10m†	30k	60	1.2 †	70	48				
54	LM121AD	40 †	60m	200n	650u	1.0n	30n	26	4.0M	*	24 *	*	126	5C	B050	14.48			
55	LM121AF	40 †	60m	200n	650u	1.0n	30n	26	4.0M	*	24 *	*	126	5C	B050	FP37			
56	LM221AD	40 †	60m	200n	650u	1.0n	30n	26	4.0M	*	24 *	*	126	28	B050	14.48			
57	LM221AF	40 †	60m	200n	650u	1.0n	30n	26	4.0M	*	24 *	*	126	28	B050	FP37			
58	LM121D	40 †	60m	1.0u	1.0m	3.0n	30n	26	4.0M	*	24 *	*	120	5C	B050	14.48			
59	LM121F	40 †	60m	1.0u	1.0m	3.0n	30n	26	4.0M	*	24 *	*	120	5C	B050	FP37			
60	LM221D	40 †	60m	1.0u	1.0m	3.0n	30n	26	4.0M	*	24 *	*	120	28	B050	14.48			
61	LM221F	40 †	60m	1.0u	1.0m	3.0n	30n	26	4.0M	*	24 *	*	120	28	B050	FP37			
62	3501T	40 †	60m	5.0u	2.0m	2.0n	3.0n	32	10M	30	10m	5.0	100	100	5C		TO99		
63	LM321AD	40 †	88m	200n	650u	1.0n	25n	26	2.0M	*	22 *	*	126	07	B050	14.48			
64	LM321AF	40 †	88m	200n	650u	1.0n	25n	26	2.0M	*	22 *	*	126	07	B050	FP37			
65	LM321AH	40 †	88m	200n	650u	1.0n	25n	26	2.0M	*	22 *	*	126	07	B050	CN1d			
66	LM321D	40 †	88m	1.0u	2.5m	4.0n	28n	26	2.0M	*	22 *	*	114	07	B050	14.48			
67	LM321F	40 †	88m	1.0u	2.5m	4.0n	28n	26	2.0M	*	22 *	*	114	07	B050	FP37			
68	LH101D\$	40	500m	6.0u†	6.0m	500nZ	1.5uZ	24	300k	24	10m	93	70	5C					
69	LH201D\$	40	500m	10u†	10m	750nZ	2.0uZ	24	150k	24	10m	86	65	07	A001	TO116			
70	PA201	41 †	1.2 †	10u†	5.0m†	70n†	70n†	16 †	70k†	44 †	10m†	200k∅†	69	100m†	60 †	68		MP168	
71	PA301	50 †	750m	10u†	5.0m†	1.0u†	85u†	20 †	200k†	50 †	80 †	200k∅†	26	100m†	66		MP169		
72	1915	52	624m	25u	2.0m\$Δ	50p\$	10	10G†	10	40m	10M∅†	100	20 †	100	58				
73	KM22SP	56	10u	1.8mΔ	100n\$	100n\$	22	500k	11	2.5m	5.0M∅	94	50 ∅	80	5C		MP23		
74	KM23SP	56	10u	1.8mΔ	100n\$	100n\$	22	500k	11	2.5m	5.0M∅	94	25 ∅	80	5C		MP23		
75	3243-25	270	2.7	15u\$	5.0m\$Δ	50p\$	250	100G†	250 †	20m†	10k	60	3.0 †	60	48				
76	3244-25	270	2.7	50u\$	5.0m\$Δ	50p\$	250	100G†	250 †	20m†	10k	60	3.0 †	60	48				

LINEAR

5. AUDIO AMPLIFIERS

IN ORDER OF (1) TOT VOLT (2) MAX IDLE POWER
(3)MIN UPPER 3dB BW (4)MIN VOLT GAIN (5)TYPE

LINEAR

LINE No.	TYPE No.	PWR SUP @25°C		TRANSFER CHARACTERISTICS @25°C					INPUT @25°C			OUTPUT CHAR. @25°C				T C E O M D	DRAWINGS		
		RATED	SPECS	3dB BANDWIDTH	MIN. UPPER	MAX. LOWER	VOLT. GAIN	NOISE FIGURE	MAX. THD	ΔTEMP GAIN VAR.	MIN. RESIST	MAX. VOLTS P-P	MAX. RESIST	MIN. VOLT. P-P	MIN. POWER			LOAD RES.	
																			(ΔV)
1	716-12-5K																		
2	MIC0103H		180m	700k	0.0	57	10 Δ	5.0		20		3.5k				35	C002	CN3	
3	MIC0103M		180m	700k	0.0	57	10 Δ	5.0		20		3.5k				35	C002	MP14a	
4	717-9-8A5		350m	50M	100k	311	7.0				10					07	C019	CN7b	
5#	TAA500		570m			50†													
6	AB49		2.0	35k	10	31	80 Δ	500m	4.0	100k	30	200m	1.0	80	4.0		C041	TO72	
7#	AN127	1.3	1.6m		0.0	75Δ	6.0	10					200u			2A	C011	CN72	
8#	TAA131	1.3	1.6m	20k		40	5.0	10	8.0 †	3.0k			350m†			3C	C255	FP61	
9#	WC182G	1.3 §	100m			70	1.0 *	7.0		8.0k†						07	C184	TO89	
10	NS7529	1.5	1.5m†	8.0k	200	70†				300k†			500u†					FP3	
11	RM8321G	1.5 §	100m			70	2.5 *	8.0		40k†			3.0m	3.0k	3.0k	07	C049	TO89	
12	RM8322G	1.5 §	100m			70	2.5 *	8.0		40k†			3.0m	3.0k	3.0k	07	C049	TO89	
13#	WC183G	1.5 §	100m			70	1.0 *	8.0		15k†			3.0m†	1.0k	1.0k	07	C184	TO89	
14	RM8311G	1.5 §	100m			80	2.5 *	8.0		40k†			3.0m	3.0k	3.0k	07	C049	TO89	
15	RM8312G	1.5 §	100m			80	2.5 *	8.0		40k†			3.0m	3.0k	3.0k	07	C049	TO89	
16	RM8321DP	1.5 §	100m	12k	300	70	2.5 *	8.0		40k†			3.0m	1.0k	1.0k	07	C049	14-4k	
17	RM8322DP	1.5 §	100m	12k	300	70	2.5 *	8.0		40k†			3.0m	1.0k	1.0k	07	C049	14-4k	
18	RM8311DP	1.5 §	100m	12k	300	80	2.5 *	8.0		40k†			3.0m	1.0k	1.0k	07	C049	14-4k	
19	RM8312DP	1.5 §	100m	12k	300	80	2.5 *	8.0		40k†			3.0m	1.0k	1.0k	07	C049	14-4k	
20	RM8341DP	1.8	100m	150	10k	70	2.5	1.0		250k			150u	1.0k	1.0k	07		TO116	
21	RM8341G	1.8	100m	150	10k	70	2.5	1.0		250k			150u	1.0k	1.0k	07		TO89	
22#	LD3040	2.5	5.7m†			15†										28	C138	MP414	
23#	LD3070	2.5 §	250m			56				8.0k†						28	C142	MP414a	
24#	TAA141	3.0	12m	20k	40	63		10	8.0 †	3.0k			350m†			3A		CN15a	
25#	WC183T	4.5 §	36m	10k	500	84	12 Δ	9.0		40k†Δ				35m	1.0k	57	C061	CN18b	
26#	TAA121	4.5 §	36m	150k	80	74		3.0	8.0 †	3.0k			1.5 †			07		TO77	
27#	TAA111	4.5 §	72m	150k	80	62		3.0	8.0 †	3.0k			1.5 †			07		TO77	
28	ATF493	5.0	2.5m	16k§	80	9.9	6.6 *†	1.0			350m	1.5k				27	FP34	FP415	
29	ATF494	5.0	7.0m	16k§	80	9.9	6.6 *†	1.0			350m	1.0k				27	FP34	FP415	
30#	LD3100	5.5 §				34†		300m		70k†						28	C143		
31	RM183G§*	6.0 §	1.5m			92		7.0		40k				3.0		5C	C049	TO84	
32	LM372H§	6.0 §	10m†	2.0M†		47	50 *†			4.0k		1.8k	350m			07	C005	CN1d	
33	LM372N§	6.0 §	10m†	2.0M†		47	50 *†			4.0k		1.8k	350m			07	C005	14-4n	
34	LM172H§	6.0 §	10m†	2.0M†		50	50 *†			4.0k		1.8k	400m			5C	C005	CN1d	
35	LM272H§	6.0 §	10m†	2.0M†		50	50 *†			4.0k		1.8k	400m			27	C005	CN1d	
36	LM272N§	6.0 §	10m†	2.0M†		50	50 *†			4.0k		1.8k	400m			27	C005	14-4n	
37	TAA103	6.0	90m	600k†		70Δ	12	5.0			10		8.0m	150	2A	C011	FP61		
38#	M5116P	6.0	120m†	15k†	100 †	55†		3.0 †		8.0k†			300m†	8.0	17	C039	14T1		
39#	HA1319	6.0 §	120m	20k†	20 †	64†	30m#	10		10k			800m	4.0	37	C283	14-45		
40	TAA293	6.0 §	160m			80Δ†		10			20		10m	150	27	C037	CN27		
41#	M5156P	6.0	240m			120	1.0 *†			10k			1.5	8.0	17	C117	14T1		
42#	HA1329	6.0 §	330m	15k∅		49†	1.5m#	10		10k†			1.8	8.0	27	C286	12T10		
43#	AN215	6.0 §	480m		50 †	108†	16 Δ	1.5			12		1.6	1.0	8.0	27	C112	16-18	
44#	HA1367	6.0 §	480m	15k†		108†	20m#	10					1.9	4.0	27	C295	20T1		
45	uA745-3I	6.3 §	41m†			46†		500m				1.3k†			46	C060	TO86		
46#	AN136	7.0	100m	15k		93	4.0		8.0 †	20k†			4.0m	1.0k	27	C036	CN27		
47#	TAA151	7.0	100m	150k	80	70	8.0	5.0		3.0k			1.5 †		06			TO74	
48#	TAA450	7.0	200m	10M†		69†				3.0k	400m	30k			26	C042	TO74		
49#	LD3050	7.5 §				40		300m		5.0k			1.5 †		28	C141	MP416		
50#	TAA420	7.5 §	90m	20k		31				40k					18			TO97	
51#	M5101P	7.5 §	113m	10k	100	100	3.0 *	500m†		20k†					17	C029	14T1		
52#	LD3150	9.0 §				66†				80k			700m†	8.0				MP415b	
53	MFC4000A	9.0 §	54m					4.5					50m	16	17	C078	4-2		
54	MFC6000	9.0 §	72m					10					250m	10	17	C068	6-1		
55	MFC4000B	9.0 §	100m†					10 †					250m	16	17	C078a	4-2		
56#	TAA900S	9.0 §	108m			45	800uΔ	10				4.0 †	1.8	4.0			C097	MP251	
57#	LD3030	9.0 §	144m					1.0							28	C140	MP415		
58#	TBA641A12	9.0	162m	20k	40	46†	2.5 *†	10		3.0M†	12		1.8	400m†	17	C083	14-23		
59#	M5106P§	9.0	180m	50k	50	70†		650m†	30	20k†			700m	8.0	27	C062	14T1		
60	MFC4000P	9.0 §	1.0					700m†					250m		17			4-1	
61#	TAA820B	9.5 §	400m			85	600uΔ	10 †					18	4.0	26	C084	14-16		
62#	TDA2005M,S	10	2.7	20k	40			1.0		100k*	0.1			4.0	4E			MT46	
63#	TAA900	11 §	105m				600uΔ	1.0 †		30k†			2.0	4.0	2F	C085	MP251		
64	MC1302P*	12		25k†	20 †	56	46 §	800m			4.0		2.8	10k	07	C015	14-3a		
65	TT0.5W	12 §		30k		20	4.0	10	3.0	50k	660m	300m	12	10k	08	C023	TO78		
66	TT1.0W	12 §		30k		20	4.0	10	3.0	50k	660m	300m	12	10k	08	C023	TO78		
67#	TAA151S	12		600k		70	6.0	5.0			6.0				3A	C013	TO100		
68#	TH175VA	12 §	36m	8.0k	100	7.0	65	2.5		9.0k			2.1 §		15	C179	MP547		
69	TCA210N#2	12 §	48m	4.0k		54∅†		1.5 †		1.3k	260m				5C	C092	16-3k		
70	TCA210N#1	12 §	48m†	4.0k		65∅†	4.0 †			500	1.5m		2.5m	800	5C	C092	16-3k		
71	MC1524G	12	48m	350k		42†		2.0		6.0k			9.0	70	5B	C017	CN10c		
72	GEL230F1	12 §	60m	500k†		72	2.0 †	3.0		15k		200	9.0		5B	A007	MP13b		
73	PA7602	12 §	84m	90k	120 †	65			2.0 †	20k		50	9.0 †		5C	C020	CN17c		
74	PL7602	12 §	84m	90k	120 †	65			2.0 †	20k		50	9.0 †		5C	C020	FP2c		
75	MIC0101D	12	90m	700k	0.0	57	10 Δ	5.0		20k		3.5k			35	C001	CN4		
76	MIC0101M	12	90m	700k	0.0	57	10 Δ	5.0		20k		3.5k			35	C001	MP14a		
77#	TCA160	12 §	103m†	20k	60	70†	80 §†	10 †		15k†	13m*		2.0 †	8.0	2C	C107	16-13b		
78#	TCA160Q	12 §	103m†	20k	60	70†	80 §†	10 †		15k†	13m*		2.0 †	8.0	2C	C107	16-9		
79	LM170H§	12 §	120m			37		600m		35k	39	4.5k	5.0		5C	C004	CN17j		
80	LM270H§	12 §	120m			37		600m		35k	39	4.5k	5.0		27	C004	CN17j		
81#	AN204	12	120m			70†	2.0 †						2.8	6.2k	07			TO101	
82	LM370§	12 §	120m	1.4M		35		600m		15k	39	4.5k	6.0		07	C004	CN17		
83	LM170§	12 §	120m	1.4M		37		600m		15k	39	4.5k	6.0		27	C004	CN17		
84	LM270§	12 §	120m	1.4M		37		600m		15k	39	4.5k	6.0		5C	C004	CN17		
85	LM370H§	12 §	144m			35		600m		35k	39	4.5k	5.0		07	C004	CN17j		
86	LM370N§	12 §	144m			35		600m		35k	39	4.5k	5.0		07	C004	14-4n		
87#	TAA820A	12 §	144m†			35	2.0mΔ	10 †							26	C084	14-16		
88#	SL630G§																		

5. AUDIO AMPLIFIERS

IN ORDER OF (1) TOT VOLT (2) MAX IDLE POWER
(3)MIN UPPER 3dB BW (4)MIN VOLT GAIN (5)TYPE

LINE No.	TYPE No.	PWR SUP @25°C		TRANSFER CHARACTERISTICS @25°C							INPUT @25°C					OUTPUT CHAR. @25°C					T E O M P D	C K T.	D R A W I N G S
		RATED SPECS		3dB BANDWIDTH (Hz)	MIN. UPPER (Hz)	MAX. LOWER (Hz)	MIN. VOLT. GAIN (dB)	MAX. NOISE FIGURE (dB)	MAX. THD (%)	ΔTEMP VAR. (dB)	MIN. RESIST (Ω)	MAX. VOLTS P-P (ΔV)	MAX. RESIST (Ω)	MIN. VOLT. P-P (ΔV)	MIN. POWER (W)	@ LOAD RES. (Ω)							
		1 TOT. (V)	2 MAX. IDLE P (W)														3 MIN. UPPER (Hz)	4 MAX. LOWER (Hz)	5 MIN. VOLT. GAIN (dB)	6 MAX. NOISE FIGURE (dB)			
1	BHA0004	14	280m	15k	25	42	70	1.0	20	3.0M	80m	6.5	5.0	3.0	3A	C034	MP74						
2	uA706APC	14	420m			43		300m	3.0M			6.5	4.5	38	C114	C114	14-23						
3	uA706BPC	14	420m			43		300m	3.0M			6.5	4.5	38	C114	C114	14T4						
4	MFC8021A	14	420m	50k	90	87	18	5.0	3.0M	18		1.0	3.2	17	C104	MP259							
5	TBA641B11	14	448m	20k	40	46	3.4	10	3.0M			4.0	4.0	17	C083	14T4							
6	TBA641B1X1	14	448m	20k	40	46	3.4	10	3.0M			4.0	4.0	17	C083	14T2							
7	LM383AT01	14	1.2	30k		40	2.0	200m	150k	1.0		8.0	1.6	07	C270	MT29							
8	LM383T01	14	1.2	30k		40	2.0	200m	150k	1.0		8.0	1.6	07	C270	MT29							
9	SL402A	14	1.6	30k	20	23	75	300m	100M		200m	1.5	7.5	07	C066	MP165							
10	SL403A	14	1.6	30k	20	23	75	300m	100M		200m	1.5	7.5	07	C066	MP165							
11	SL402D	14	1.6	30k	20	23	75	300m	100M		200m	1.5	7.5	07	C081	MP165							
12	BHA0001	14	1.8	10k	40	55	50	4.8	300	5.0m		2.0	10	3A	C009	MP19							
13	1460MY	14	2.5			10		2.0	600k			4.0		2A	C045	TO70							
14	TAA435	14	400	10k		80	6.0	10		10		4.0		28	C035	TO74							
15	LD3001	15						3.0						28	C139	MP415							
16	LD3115	15	300m	3.0k	0.0	65	66	1.0	110k					2A	C144	MP415c							
17	MFC6040	16	6.0M	100k	0.0	11			1.0k	1.4		8.0		07	C069	6-1							
18	MIC0201D	16	240m	100k	0.0	54			1.0k					35	C003	CN4							
19	MIC0201M	16	240m	100k	DC	54			1.0k					35	C003	MP14a							
20	MFC6070	16	288m	20k	100	18	40	10		280m		11	1.0	15	C086	6-2							
21	MFC8010	16	290m					5.0				7.0	1.0	05	C070	8-2a							
22	LA4210	16	352m			50		1.0	100k		100	3.5	8.0	27	C192	MP570							
23	GEL239F1	16	352m			65	52	900m	100k			2.5		38	C065	14-2g							
24	AN313	16	960m			49		1.0	75k	24		8.0		27	C174	16-18							
25	uA706	16	2.3	10k	10	46		500m	3.0	3.0		5.5	4.0										
26	STK040A*	16	2.4			41		200m		32k		10	8.0	38	C251	MP572							
27	AN313U	16	8.0			50		1.0	75k			3.0	8.0	38	C174	16-18							
28	M5102AY	18		20k	50	37	70	500m	6.5k		500m	3.0	4.0	17	C055	CN24							
29	M5102Y	18		20k	50	37	70	500m	6.5k		500m	3.0	4.0	17	C030	CN24							
30	TBA450	18	650u	15k	20	2.5		500m	50k		2.0	3.0	4.0	06	MP								
31	MFC4050	18	180m			42				2.5				17	C067	4-2							
32	ULN2135E	18	180m			42				2.5				07	C067a	MP346							
33	ULN2280A	18	180m	100k		31	60	2.0	140k			12	2.0	27	C127	14-2w							
34	MFC4010As	18	500m	200k	20	60	6.0		1.0k					17		4-2							
35	MC1380P	18	625m			42		1.0				30m	3.2	47	C076	8-3							
36	AN7150	18	930m			52	4.5					5.0	4.0	27	C224	MP528a							
37	AN7151	18	930m			52	4.5					5.0	4.0	27	C224	MP528b							
38	STK413*	18	2.1	20k	50	44		1.0	80k			3.0	8.0	39	C154	MP421							
39	SL403D	18	2.1	30k	20	50	75	300m	100M		200m	2.5	7.5	07	C081	MP165							
40	SL414A	18	6.0	30k	20	50	75	300m	20M		200m	3.0	7.5		C081	MP345							
41	HEPC6005-RT	19	470m					10	500k			8.5	2.0		C070a	MP170							
42	MFC9010	19	480m					10	500k			2.0	16		C070a	MP170							
43	AN275	19	3.0			35		2.5	50k	100m		2.5	8.0	27	CN24a	CN24a							
44	LD3141	20				68		100m	65k			3.3		2A	C146	MP415b							
45	TAA611GX1	20		50	20k	68		3.0	250k	6.0		3.3	8	48	C082a	14T2							
46	LM377N10*	20	100m			66		1.0	3.0M			6.0	2.0	07	C110	MP335							
47	MIC0203	20	200m	400k	0.0	55		1.0		8.0	150	5.5		07	C054								
48	LD3120	20	300m			65		100m	100k					2A	C145	MP415c							
49	AN212	20	400m	30k	50	65	6.0	200m	10k			3.4	2.5	26	C125								
50	ITT3713	20	1.0			66	3.0	.10	3.0M	26		14	8.0	06	C165	8T2							
51	ULN2277P	20	1.0	100k		55	20	5.0	3.0M			11	8.0	27	C125	4T1							
52	AN272U	20	10			40		1.0				5.0	8.0	16	C122	10-2							
53	716-9-5B	21	298m	2.0M	0.0	45	8u	500m	650m	9.0k	10	1.0	150	07	C010	TO99							
54	HEPC6006-RT	21	590m					10		500k		9.5	2.0		C070a	MP170							
55	MFC9000	21	600m			39		10		500k		4.0	8.0		C070a	MP170							
56	AN368	22						300m				12	8	17		MP528							
57	MC1316P	22	132m	100	20k	5.0	70	2.0			700m	2.0	16		C074								
58	MIC0102	22	154m	1.0M	0.0	60	10u	5.0	6.0	100k	5.0	8.0k	5.0	27	C052	MP14n							
59	MIC0106	22	154m	1.0M	0.0	60	10u	5.0	6.0	100k	5.0	8.0k	5.0	27	C053	MP14n							
60	GEL234F1	22	330m	100k	30	80		10		100k	600M	2.0		6E	C007	MP13a							
61	GEL266F1	22	330m	100k	30	70		5.0		40k		1.5	16	5C	C008	MP100							
62	MFC9020	22	440m	20k	100	27	40	10		200m	560m	2.0	16	17	C086a	MP170							
63	GEL222F1	22	550m	15k	55	72	55	3.0		40k	182	1.0	22	5C	C006	MP13a							
64	ZLA1As	23	50m	500k		28			300		30			5C	C028	CN23							
65	TAA621	24	2.1m	15k	30	80	7.0u	100m				4.0	16	2C	MP183								
66	HA1338	24	192m	100k	50	40	600u	5.0		180k		5.0	8.0	17	C287	10T3							
67	ULN2126A	24	344m	100k		65	1.8	500m		250k		100	30u	38	C080	14-2w							
68	ULN2126N	24	344m	100k		65	1.8	500m		250k		100	30u	38	C080	14-6b							
69	GEL237F1	24	360m	100k	30		75	5.0		40k		1.5	16	5C	C008	MP13a							
70	ULN2280P	24	360m	100k		31		5.0		140k		16	8.0	27	C127	4T1							
71	AN264	24	400m			65		100m		50k				27	C103	TO116							
72	uA783P3C	24	720m	20k	20	34	3.0	300m		5.0M	220m	8.0	8.0	4E	C128	12T14							
73	uA783P4C	24	720m	20k	20	34	3.0	300m		5.0M	220m	8.0	8.0	4E	C128	12T15							
74	FSS209A	24	768m			32			88k	24		20	1.0	48	MP82								
75	FSS209B	24	768m			42			88k	24		20	1.0	48	MP82								
76	FSS209C	24	768m			49			88k	24		20	1.0	48	MP82								
77	FSS209D	24	768m			55			88k	24		20	1.0	48	MP82								
78	A24	24	1.8	20k	20	50	124	500m	2.0	1.5k	2.0	60	35	05		CB							
79	ATP24	24	1.8	20k	20	56	118	500m	2.0	47k	2.0	60	35	05		CB							
80	STK415*	24	2.8	20k	50	44		1.0	80k			6.5	8.0	39	C154	MP421							
81	SL415A	24	6.0	30k	20	50	75	300m		20M		200m	5.0	38	C081	MP345							
82	A40	24	8.0	20k	20	60	124	750m	2.0	1.5k	2.0	60	216	05		CB							
83	AN7156	24	30	1.0k		56	3.0	1.0						37	C356								
84	TL1316P	25	150m			44	1.0M	2.0				700m	2.0	27	C098	MP272							
85	TL1316PC	25	150m			44	1.0M	2.0				700m	2.0	27	C098	MP281							
86	126	25	200m	500m	100k	20	7.0		1.0G	150		50		25		MP225							
87	143E	25	200m	500m	500m	20	164	250m		1.0G	150	50		25		MP225							
88	143F	25	200m	200k	500m	20	164	250m		1.0G	150	50		25		MP225							
89	146	25	200m	200k	500m	20	3.0			1.0G	150	50		25		MP225							
90	144E	25	200m	200k	500m	40	164	250m		1.0G	150	50		25		MP225							
91	144F	25	200m	200k	500m	40	164	250m		1.0G	150	50		25		MP225a							
92	STK011A	25	1.2	30k	30	34		1.0	15k		200m	6.5	8.0	38	C148	MP417							
93	STK011B	25	1.2	30k	30																		

6. RF/IF AMPLIFIERS

IN ORDER OF (1) TOT VOLT (2) MAX IDLE POWER
(3) POWER GAIN (4) UNTUNED 3dB BW (5) TYPE No.

LINEAR

LINE No.	TYPE No.	PWR SUP @ 25°C		MIN TRANSFER CHARACTERISTICS @ 25°C					INPUT CHAR @ 25°C			OUTPUT CHAR. @ 25°C			T C E O P E	DRAWINGS	
		1) TOT VOLT (ΔV)	2) MAX IDLE P (W)	3) PWR GAIN @ 50Ω LOAD & SOURCE (dB)	4) UN-TUNED SPEC FREQ (Hz)	5) UN-TUNED 3dB BW (Hz)	Y21 (mhos)	Y12 (mhos)	MAX. NF (dB)	MIN. VOLT. P-P (ΔV)	MAX. COND. (mhos)	MAX. CAP. (F)	MIN. VOLT. P-P (ΔV)	MIN. COND. (mhos)		MAX. CAP. (F)	CKT.
1#	MT171	24	230m	24 †	470k	17m	100u†			400u			10u†		5C	D001	CN10e
2#	MT271	24	230m	24 †	470k	17m	100u†			400u			10u†		0A	D001	CN10e
3#	MT371	24	230m	24 †	470k	27m†	100u†			500u			10u†		0A	D001	CN10e
4	911BE	24	230m	25 †	200M	250M♦	25m	1.0u†	10	2.5m	24p	9.5	10m†	2.0p	5C	D005	TO100
5	911BJ	24	230m	25 †	200M	250M♦	25m	1.0u†	10	2.5m	24p	9.5	10m†	2.0p	5C	D005	MPZ
6	911CE	24	230m	25 †	200M	250M♦	25m	1.0u†	10	2.5m	24p	9.5	10m†	2.0p	0A	D005	TO100
7	911CJ	24	230m	25 †	200M	250M♦	25m	1.0u†	10	2.5m	24p	9.5	10m†	2.0p	0A	D005	MPZ
8	LM371Δ	24	252m	28 †	200M	250 ♦	17m	100u†	6.0 †	10	2.5m		40u		07	D001	CN17c
9	LS371	24	252m	28 †	200M	250M♦	17m	100u†	6.0 †	10	2.5m		40u		07	B021	CN17c
10	CA3028AΔ	24 ♦	260m	35	10M	250 ♦	10M	9.0 †	10						5C	B021	TO99
11	CA3028AFs	24 ♦	260m	35	10M	5.0M†	100m†	300n†	9.0	600u†	22p†		0.0	1.4p†	5C	B021	8-11c
12	LS3028A	24 ♦	260m	35	10M	250M♦	10M	9.0 †	10						5C	B021	TO99
13	LM3028AHs	24	260m	36	10M	120M†	100m†	200n†	9.0	10 Δ		16			5C	B021	CN1d
14#	TAA730	27	400m			15M			10 Δ	1.6m†	5.0p	5.0	300u		16		TO100
15	5670BM	28 s	1.8 †	7.0 †	500M				10 Δ			20			5C	D019	FP11
16#	AN220	30	140m				12m	5.1u							27	D017	TO116
17	CA3044s	30 s	190m			45M	15m†	5.1m†							5C	D017	CN10d
18	CA3043s	30 s	260m	80 †*						140u†	5.0p†				5C	C026	CN18
19	CA3042s	140 s	270m	67 †*	4.5M				6.0 Δ	90u†	5.0p†	700m†	10u†	4.0p†	08	C025	14-6
20	CA3041s	140 s	275m	67 †*	4.5M				6.0 Δ	90u†	5.0p†	700m†	10u†	4.0p†	08	C024	14-6
21#	TAA591s	140 s	280m	67 †*	5.5M				6.0 Δ	90n†	50p†	700m†	10n†	4.0p†	08		14-6

7. WIDEBAND AMPLIFIERS

IN ORDER OF (1) TOT VOLT (2) MAX IDLE POWER (3)MIN UPPER 3dB BW (4)MIN VOLT GAIN (5)TYPE

LINE No.	TYPE No.	PWR SUP@25°C		TRANSFER CHARACTERISTICS @25°C					INPUT CHAR. @25°C		OUTPUT CHAR. @25°C			TRANSIENT CHAR. @25°C		T E O M D P E	C K T.	DRAWINGS
		RATED SPECS		3dB BW		4 MIN. VOLTAGE GAIN (dB)	MAX. NOISE FIGURE (dB)	MAX. THD (%)	MIN RESIST (Ω)	MAX P.P VOLTS (ΔV)	MAX. RESIST (Ω)	MIN. VOLT P-P (ΔV)	LOAD RESIST (Ω)	RISE (s)	DELAY (s)			
		1 TOT VOLT (ΔV)	2 MAX IDLE P (W)	3 MIN UPPER (Hz)	MAX. LOWER (Hz)													
1#	SI4001		2.5			32			2.0k	2.5							E046	MP220
2#	ZN46C	5.0		6.0M		59		.15	3.5k		75	2.0				07	E88	TO78
3	PA7713s	6.0	30m	9.0M		30	7.0							20n		07	DO11	TO78
4	PL7713s	6.0	30m	9.0M		30	7.0									07	DO11	FP2c
5#	1040M	6.0	35m	4.0M	65	19	*									07	E022	TO74
6	NE501GΔ	6.0	53m	14M	0.0	23	*	7.0	1.1k	8.0	50		600	16n	15n	07	E014	TO91
7	NE501KΔ	6.0	53m	14M	0.0	23	*	7.0	1.1k	8.0	50		600	16n	15n	07	E014	TO100
8	SE501GΔ	6.0	53m	14M	0.0	23	*	7.0	1.1k	8.0	50		600	16n	15n	07	E014	TO91
9	SE501G%	6.0	53m	14M	0.0	23	*	7.0	540	4.0	50	2.0	600	16n	15n	07	E014	TO91
10	SE501KΔ	6.0	53m	14M	0.0	23	*	7.0	1.1k	8.0	50		600	16n	15n	07	E014	TO100
11	NE501G%	6.0	60m	11M		22		8.0	1.2k	4.0	65	2.8	600	20n	15n	07	E014	TO91
12#	SL550	6.0	78m	125M		39		2.7				150m				07	E062	16-26
13	MFC4010	6.0	500m			60		1.0								17		4-1a
14	MFC4010P	6.0	500m			60		1.0								17		4-1a
15	PA7600s	6.0	108	50M	0.0	35						1.5				07	DO09	CN17c
16	PL7600s	6.0	108	50M	0.0	35						1.5				07	DO09	FP2c
17	LM3011H	7.5	187m	10M		55		8.7	3.0k	300u*	31k					07	E053	CN10r
18#	1480MY	9.0		15M		40			900	1.4						07	E024	TO74
19#	SL20#1	9.0	144m	10M	0.0	18			900		10	2.5				07	E025	CN11b
20#	SL23	9.0	144m	10M	0.0	18			900		10	2.5				07	E027	CN11b
21#	SL24	9.0	144m	10M	0.0	18			900		10	2.5				07	E027	CN15a
22#	SL20#2	9.0	144m	10M	0.0	24	%*		65k		400	2.5				07	E025	CN11b
23#	SL21	9.0	144m	10M	0.0	24	%*		65k		400	2.5				07	E026	CN11b
24#	SL22	9.0	144m	10M	0.0	24	%*		65k		400	2.5				07	E026	CN15a
25#	SL201C#1	9.0	144	10M	0.0	9			530		7.0	2.5				07	E025	CN11b
26#	SL201B#1	9.0	144	10M	0.0	11			530		7.0	2.5				07	E025	CN11b
27#	SL201C#2	9.0	144	10M	0.0	17	%*		60		325	2.5				07	E025	CN11b
28#	SL201B#2	9.0	144	10M	0.0	22	%*		60		325	2.5				07	E025	CN11b
29	CA3034	10	26m	45M					2.0k	12						07	E018	CN10d
30	CA3034V1	10	26m	45M					2.0k	12						07	E018	CN19
31	PA7605s	10	95m	27M		250	9.0	Δ	200		40					07	BO14a	FP2f
32	PA7606s	10	125m	27M		250	8.0	Δ	10k		40					07	BO14	FP2f
33	uA751-3H	10	139m	30M	0.0	51	7.5	Δ	140	2.0	50	1.2	1.2k	25n	20n	07	E042	FP2a
34	uA751-5B	10	139m	30M	0.0	51	7.5	Δ	140	2.0	50	1.2	1.2k	25n	20n	07	E042	TO99
35#	M5113P	10	187m	20k	100k	60			3.0k	6.0	31k					07	E021	14-2j
36#	M5113T	10	187m	20M	100k	60			3.0k	6.0	32k					07	E021	TO100
37	PA7605-39s	10	200m	30M	0.0	52			140		40	1.5	40	20n	8.0n	07	BO14a	TO99
38	PL7605-39s	10	200m	30M	0.0	52			140		40	1.5	40	20n	8.0n	07	BO14a	FP2c
39	uPC103A	10	220m	25M	45k	13			10k			6.0				07	E075	CN18e
40	uPC105A	10	380m	25M	45k	13			10k			6.0				07	E075	CN18e
41	WJ5300542	12		8.0G	4.0G	22	∅	5.0	2.0	∅	2.0	∅	10	*	50	07		MP1
42	WJ3515-561	12		12G	7G	13	∅	6.0	2.0	∅	2.0	∅	10	*	50	07		MP2
43	WJ5308-514	12		15G	14G	25	∅	7.0	2.0	∅	2.0	∅	10	*	50	07		MP3
44	WJ5308-515	12		15G	14G	30	∅	7.0	2.0	∅	2.0	∅	10	*	50	07		MP3
45	WJ5308-516	12		15G	14G	35	∅	7.0	2.0	∅	2.0	∅	10	*	50	07		MP3
46	WK5320-317	12		18G	12G	38	∅	7.0	2.0	∅	2.0	∅	10	*	50	07		MP3
47	CMC602	12	80m	100M	0.0	20										07	E005	FP2s
48#	WC1146T	12	84m	30M		18	Δ	4.0	83		624	2.5				07	E067	CN1s
49#	WM1146Q	12	84m	35M		20	Δ	4.0	83		624	1.5				07	E001	FP2v
50#	TAA231	12	84m	45M	30	20	Δ	4.0	83k		1.9k	1.5				07	E001	TO99
51#	TAA232	12	84m	45M	30	20	Δ	4.0	83k		1.9k	1.5				07	E001	TO91
52	ULN2103M	12	120m	50M		30			1.2k		750	6.7	1.0k			08	E015	8-1
53	920BE	12	120m	120M	0.0	20	ts		500	14	10	3.0	1.0k			08	E005	TO96
54	920CU	12	120m	120M	0.0	20	ts		500	14	10	3.0	1.0k			08	E005	TO110
55#	ZLA15	12	150m	25M		29	%		25k		400					07	E012	CN23
56#	ZLA10	12	150m	120M		20	%		10k		400					07	E012	CN23
57#	TAA721	12	160m	40M		38			6.0k	10	35	3.7	5.0k	15n	10n	07	E019	CN73
58#	SFC2510	12	165m	40M		40			6.0k	10		4.5				07	E019	TO99
59#	SFC2510P	12	165m	40M		40			6.0k	10		4.5				07	E019	TO91
60#	SFC2510PM	12	165m	40M		40			6.0k	10		4.5				07	E019	TO91
61	SN7511FA	12	180m	3.0M		47			5.0k	2.0	800	1.5	5.0k			07	BO29	FP2t
62	SN7511Ls	12	180m	3.0M		47			5.0k	16	800	1.5				07	BO29	Δ006AD
63	SN7511Ns	12	180m	3.0M		47			5.0k	16	800	1.5				07	BO29a	Δ001AA
64	SN5511FA	12	180m	3.0M		52			5.0k	4.5	800	2.5	5.0k			07	BO29	FP2t
65	SN5511Ls	12	180m	3.0M		52			5.0k	16	800	2.5				07	BO29	Δ006AD
66	SN5511Ns	12	180m	3.0M		52			5.0k	16	800	2.5				07	BO29a	Δ001AA
67	SN5511s	12	180m	3.0M		56			5.0k	16	800	5.0				07	BO29	TO89
68	MC1509F	12	220m	40M	0.0	30	Δ	4.5	6.0k	10	35	4.5	5.0k	12n	12n	07	E008	TO90
69	MC1510F	12	220m	40M	0.0	30	Δ	4.5	6.0k	10	35	4.5	5.0k	12n	12n	07	E008a	TO90
70	SN7510FA	12	220m	40M	0.0	36			6.0k	16	35					07	E019	FP2t
71	SN7510L	12	220m	40M	0.0	36			6.0k	16	35					07	E019	CN1
72	SN7510P	12	220m	40M	0.0	36			6.0k	16	35					07	E019	8-7
73	SN5510FA	12	220m	40M	0.0	38			6.0k	16	35					07	E019	FP2t
74	SN5510JP	12	220m	40M	0.0	38			6.0k	16	35					07	E019	8-10
75	SN5510L	12	220m	40M	0.0	38			6.0k	16	35					07	E019	CN1
76	SFC2510F	12	220m	40M	0.0	39		12 *	6.0k	1.0	35	4.5	5.0k	12n	9.0n	07	E008a	TO91
77	SFC2510G	12	220m	40M	0.0	39		12 *	6.0k	1.0	35	4.5	5.0k	12n	9.0n	07	E008a	TO99
78	SFC2510PF	12	220m	40M	0.0	39		12 *	6.0k	1.0	35	4.5	5.0k	12n	9.0n	07	E008a	TO91
79	SFC2510PG	12	220m	40M	0.0	39		12 *	6.0k	1.0	35	4.5	5.0k	12n	9.0n	07	E008a	TO99
80	SFC2510PMF	12	220m	40M	0.0	39		12 *	6.0k	1.0	35	4.5	5.0k	12n	9.0n	07	E008a	TO91
81#	SFC2510M	12	220m	40M	0.0	40		5.0 *	6.0k	10	35	4.5	5.0k	12n	12n	07	E008a	TO99
82#	1470MY	12	240m	50M		30										07	E023	CN7
83	SN7512L	12	270m	80M	0.0	46	Δ	3.0u*	6.0k	2.0	35	3.0	5.0k	5.0n	6.0n	07	E050	TO100
84	SN7512N	12	270m	80M	0.0	46	Δ	3.0u*	6.0k	2.0	35	3.0	5.0k	5.0n	6.0n	07	E050	14-4h
85	SN7514L	12	270m	80M	0.0	46	Δ	3.0u*	6.0k	2.0	35	3.0	5.0k	5.0n	6.0n	07	E050a	TO99
86	SN7514P	12	270m	80M	0.0	46	Δ	3.0u*	6.0k	2.0	35	3.0	5.0k	5.0n	6.0n	07	E050a	8-7

7. WIDEBAND AMPLIFIERS

IN ORDER OF (1) TOT VOLT (2) MAX IDLE POWER
(3)MIN UPPER 3dB BW (4)MIN VOLT GAIN (5)TYPE

LINEAR

LINE No.	TYPE No.	PWR SUP @ 25°C		TRANSFER CHARACTERISTICS @ 25°C				INPUT CHAR. @ 25°C		OUTPUT CHAR. @ 25°C		TRANSIENT CHAR. @ 25°C		T E O M D P E	C K T.	DRAWINGS			
		1) TOT VOLT (ΔV)	2) MAX IDLE P (W)	3) MIN UPPER (Hz)	4) MAX LOWER (Hz)	5) MIN VOLTAGE GAIN (dB)	6) MAX NOISE FIGURE (dB)	7) MAX THD (%)	8) MIN RESIST (Ω)	9) MAX P-P VOLTS (ΔV)	10) MAX RESIST (Ω)	11) MIN VOLT P-P (ΔV)	12) LOAD RESIST (Ω)				13) RISE TIME (s)	14) DELAY (s)	
																			15) E
1	RM733DC	12	288m	120M	0.0	10	8*	12*	4.0k†	2.0*	20	3.0	1.0k	10n†	7.5n†	07	E040	14-5	
2	RM733Q	12	288m	120M	0.0	10	8*	12*	4.0k†	2.0*	20	3.0	1.0k	10n†	7.5n†	05	E040	FP2k	
3	uA733C-3F	12	288m	120M†	0.0	47			10kΔ	2.0	20†	3.0	1.0k	12n	10n	07	E040	TO91	
4	uA719-5F5	12	300m	50M†	0.0	22			3.0k†	4.0k†	7.0	100k				05	E040	TO100	
5	uA719C-5F5	12	300m	50M†	0.0	22			3.0k†	4.0k†	7.0	100k				07	E040	TO100	
6	RM733T	12	500m	120M†	0.0	19	8*	12*	20k	2.0*	20†	3.0	400	10n	10n	05	E040	TO100	
7	CMC602-1	12	120	100M§	0	16	7§		500		10	3.0	1.0k				E005	TO98	
8	CMC602-4	12	120	100M§	0	16	7§		500		10	3.0	1.0k				E005	TO110	
9	G106	12	192	4.0M	40	39	*	50 Δ	10k	12	500	12	1.0k				E033		
10#	TBA440Q	13	234m	9.0M†		50	3*		1.9k†	150u†	25k	4.0†				27	E051	16-6a	
11#	SN2800	14	120m	4.5M†		23	3*									05	E028	TO84	
12#	SN2610	14	120m	6.0M†		14		4.0								05	E029	TO84	
13	WJR61-002	15		10G	9G	24	∅	3.5	2.0 ∅	260m	2.0 ∅	10*	50			07	MPZ	MP611	
14	901BE	15	13m	40M		22			520	260m	520	5.0				05	E003	TO99	
15	901CE	15	13m	40M		22			520	260m	520	5.0				07	E003	TO99	
16	903BE	15	96m	60M		13			100		1.7k†	2.5	500k			05	E004	CNZ	
17	903BR	15	96m	60M		13			100		1.7k†	2.5	500k			05	E004	CN10	
18	903CE	15	96m	60M		13			100		1.7k†	2.5	500k			07	E004	CNZ	
19	903CR	15	96m	60M		13			100		1.7k†	2.5	500k			07	E004	CN10	
20	WJ6200-331	15	135m†	500M	5.0M	14		4.0	50†		50†	630mΔ	50			07	MP611	MP611	
21	WJ6200-351	15	135m†	500M	5.0M	15		3.0	50†		50†	630mΔ	50			07	MP611	MP611	
22	WJ6201-351	15	135m†	1.0G	5.0M	13		3.5	50†		50†	5.0mΔ	50			07	MP611	MP611	
23	WJ6201-331	15	135m†	1.0G	5.0M	14		5.0	50†		50†	5.0mΔ	50			07	MP611	MP611	
24	WJ6201-341	15	135m†	1.0G	5.0M	14		4.0	50†		50†	5.0mΔ	50			07	MP611	MP611	
25	WJ6203-321	15	195m†	2.0G	10M	9.0		6.5	50†		50†	1.5mΔ	50			07	MP611	MP611	
26	WJ6201-321	15	210m†	1.0G	5.0M	15		5.0	50†		50†	1.5mΔ	50			07	MP611	MP611	
27	WJ6202-331	15	210m†	1.5G	5.0M	9.0		5.5	50†		50†	1.2mΔ	50			07	MP611	MP611	
28	WJA75-1	15	360m†	250M	5.0M	20		4.5	50†		50†	5.0mΔ	50			08	CN55a	MP611	
29	WJ6200-311	15	375m†	500M	5.0M	14		5.5	50†		50†	3.9mΔ	50			07	MP611	MP611	
30	WJ6201-332	15	495m†	1.0G	5.0M	27		5.0	50†		50†	3.9mΔ	50			07	MP611	MP611	
31	WJ6200-332	15	510m†	500M	5.0M	27		4.0	50†		50†	5.0mΔ	50			07	MP611	MP611	
32	WJ6201-301	15	660m†	1.0G	5.0M	10		8.0	50†		50†	19mΔ	50			07	MP611	MP611	
33	WJ6203-301	15	675m†	2.0G	10M	8.0		8.5	50†		50†	25mΔ	50			07	MP611	MP611	
34	WJ6200-338	15	735m†	500M	5.0M	41		4.0	50†		50†	3.9mΔ	50			07	MP611	MP611	
35	WJ6200-305	15	750m†	500M	5.0M	15		6.0	50†		50†	25mΔ	50			07	MP611	MP611	
36	WJ6202-301	15	750m†	1.5G	5.0M	7.0		9.5	50†		50†	19mΔ	50			07	MP611	MP611	
37	WJ6200-337	15	885m†	500M	5.0M	29		4.0	50†		50†	25mΔ	50			07	MP611	MP611	
38	WJ6200-339	15	1.2†	500M	5.0M	43		4.0	50†		50†	25mΔ	50			07	MP611	MP611	
39	WJ6200-336	15	1.2†	500M	5.0M	55		4.0	50†		50†	5.0mΔ	50			07	MP611	MP611	
40	WJ6201-303	15	1.5†	1.0G	5.0M	6.0		11	50†		50†	100mΔ	50			07	MP611	MP611	
41	9118	15	2.1	100M∅		20		30 Δ	50k	2.8	50†	2.8	50k			05	MPZ	MP611	
42	WJ6200-333	15	2.1†	500M	5.0M	36		4.0	50†		50†	31mΔ	50			07	MP611	MP611	
43	WJ6200-335	15	2.5†	500M	5.0M	52		4.0	50†		50†	31mΔ	50			07	MP611	MP611	
44	WJ6201-311	15	360†	1.0G	5.0M	14		6.5	50†		50†	5.0mΔ	50			07	MP611	MP611	
45	WJ6202-311	15	360†	1.5G	5.0M	9.0		7.5	50†		50†	5.0mΔ	50			07	MP611	MP611	
46	RC733TF	16	500mZ	120M†	0.0	48		12*	250k	2.0	20†	3.0		12n	10n	07	E061	Δ006AD	
47	RM733TF	16	500mZ	120M†	0.0	49		12*	250k	2.0	20†	3.0		10n	10n	05	E061	Δ006AD	
48	PA7712-39§	18	125m	1.0M	0.0	66			32k†	7.5	600	7.0	10k	12n		07	B010	CN1	
49	PD7712-39§	18	125m	1.0M	0.0	66			32k†	7.5	600	7.0	10k	12n		07	B010	MPZ	
50	PL7712-39§	18	125m	1.0M	0.0	66			32k†	7.5	600	7.0	10k	120n		07	B010	FP2c	
51	PA7712-31§	18	135m	1.0M	0.0	68			40k†	7.5	600	7.0	10k	120n		05	B010	CN1	
52	PD7712-31§	18	135m	1.0M	0.0	68			40k†	7.5	500	7.0	10k	120n		05	B010	MPZ	
53	PL7712-31§	18	135m	1.0M	0.0	68			40k†	7.5	500	7.0	10k	120n		05	B010	FP2c	
54#	HA1110§	20	110m	20M	0.0	16			50k	5.0	70	3.0				27	B023	TO101	
55	35007B	20	1.0†	1.3G	400M	18		6.0		40	40	40			1.3n	07	MP187	MP187	
56	35007A	20	1.0†	1.3G	400M	20		5.0		40	40	40			1.3n	07	MP187	MP187	
57	35000A	20	1.5	100M	100k	30		8.0	50		50	20				07	MP188	MP188	
58	35005A	20	6.7	2.0G	100M	40		12†	50	20	50	20				07	MP186	TO99	
59#	712-9-5B	21	125m			63			10k	4.5	600	10		30n		07	TO99	TO99	
60#	712-1-5B	21	125m			70			10k	4.5	500	10		30n		05	TO99	TO99	
61#	ZLA1A§	22	50m†	1.5M	0.0	18			3.2k		30†	10	1.2k			05	C028	CN23	
62	SA21	24	540m	60M†		19		8.0†	1.6k†	8.0	1.5†	10	1.2k			05	E017	14-2c	
63	SA20	24	540m	100M†		20		6.0†	1.6k†	8.0	1.5†	12	1.2k			05	E017	14-2c	
64	WJ6200-301	24	1.0†	500M	5.0M	14		6.5	50†		50†	19mΔ	50			07	MP611	MP611	
65	WJ6200-345	24	1.8†	500M	5.0M	41		4.0	50†		50†	19mΔ	50			07	MP611	MP611	
66	WJ6200-303	24	2.6†	500M	5.0M	10		10	50†		50†	100mΔ	50			07	MP611	MP611	
67	WJ6200-344	24	3.8†	500M	5.0M	36		4.0	50†		50†	79mΔ	50			07	MP611	MP611	
68	WJ6200-346	24	4.4†	500M	5.0M	51		4.0	50†		50†	100mΔ	50			07	MP611	MP611	
69	MIC5840	26		400M§	225M	5.0 Δ						6.0 Δ†	50			07	E044	MP171	
70	35002A	28	1.1†	400M	100k	19		5.0		20	60			20p		07	MP185	TO73	
71	L174AA§	30	500m	4.0M	0.0	86			100k	20	20	500	250m			05	TO73	TO86	
72	L174AL§	30	750m	4.0M	0.0	86			100k	20	20	500	250m			05	TO73	TO86	
73	A501§	30	1.0†	10M	0.0	113†		5.0*	100k	20	1.0	20	200	20n	10n	05	MP83	MP83	
74	A501M§	30	1.0†	10M	0.0	113†		5.0*	100k	20	1.0	20	200	20n	10n	05	MP83	MP83	
75	A502§	30	1.0†	10M	0.0	126†		5.0*	100k	20	1.0	20	200	20n	10n	05	MP83	MP83	
76	A502M§	30	1.0†	10M	0.0	126†		5.0*	100k	20	1.0	20	200	20n	10n	05	MP83	MP83	
77	FA501§	30	3.0†	50M		0.0		5.0*	100G	10	5.8	10	50			05	MPZ	MP188	
78	35001A	30	7.5	100M	100k	20		10	50		50					05	MP188	MP188	
79	821	40	1.2	30M	0.0	500m			1.0	4.0k	36	15	32	100	60n	20n	05	E006	MP34d
80	824	60	168m	4.0M	0.0	9.0			1.0	9.0k	40	100	36	140	3.0u	05	E006	MP156	

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V
(3)MAX POWER DISSIPATION (4)TYPE No.

LINE No.	TYPE No.	NOM. VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE (V)		2 MAX INPUT VOLT	MAX. IN/OUT DIFF. (ΔV)	3 MAX. POWER DISSIP. @ 25°C (W)	MAX. LOAD CUR. (A)	MAX. OUT-PUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX. LINE VOLT. CHG. (ΔV)	MAX. OUTPUT VOLT. CHG. (%)	MAX. LOAD REG. CUR. CHG. (ΔA)	MAX. LOAD REG. VOLT. CHG. (%)	MIN. RIPPL. REJ. (dB)	MAX TRANSIENT RECOVERY		T C E O P E	DRAWINGS			
			LOW (V)	HIGH (V)												@LINE CHG. (s)	@LOAD CHG. (s)			CKT.	OUT-LINE Δ-MO	
1	SG237P		1.2	37		40	2.0	1.5										2F	Y220			
2	SG337P		1.2	37		40	2.0	1.5										2F	Y220			
3	CA3055		1.8	34		40	630m	115m										5C	A002AL			
4	SPH0070		5.0	10		50	3.0	54						1.0	500m	40		5H	F052			
5	SPH0071		5.0	10		50	3.0	54						1.0	500m	40		5H	F052a			
6	SPH0140		5.0	10		50	3.0	54						1.0	500m	40		5H	F054			
7	SPH0141		5.0	10		50	3.0	54						1.0	500m	40		5H	F054			
8	MC7902CP	2.0	4.0	4.0		35	3.5	2.0		1.0m			18	20m	1.5	120m	65		0C	F116		
9	PMC18K2	2.0	5.0	5.0		35	2.0	1.5		30m			10	2.0	1.5	600m	59		5F	F136		
10	78L02WC	2.6	4.0	4.0		30	5.0	900m	100m				15	100m	99m	50m	42		0E	F130		
11	J10-3	3.0				40	5.0	1.8		1.0m			1.0	5.0m	1.0	5.0m	86		5C	MP30		
12	VR1030	3.0	3.0	12		40	3.0	2.0		20m	1.5m		1.0	3.0m	125m	80m	80		5C	TO92		
13	MFC4060	4.0				38	3.0	200m			3.0m		40	30m	100m	200m			17	F071		
14	MFC6030	4.0				38	3.0	1.0			3.0m		40	30m	100m	200m			17	F071a		
15	MIVR42050-410	4.0				44	120	10			50m		40	100m	10	200m			17	F071a		
16	MIVR42051-045	4.0				44	120	10			50m		40	100m	5.0	200m	60		17	F071a		
17	BN4100	5.0				9.0	1.5	1.0			100m		40	100m	2.5	2.5			3F	TO3		
18	BN4008	5.0				9.0	2.5	1.0		250m	40m		2.0	2.0	2.0			3C	F058			
19	BN4009s	5.0				25	1.0	250m		40m			1.0	1.0	1.0			3C	F057			
20#	SI3052A	5.0				15	50	2.0		200m	2.5m		1.5	2.5	225m	2.0	40		3C	F057		
21#	SI3052C	5.0				15	50	2.0		200m	2.5m		1.5	2.5	225m	2.0	40		3C	F057		
22	LM245K5.0	5.0	2.0	2.0		20	2.5	15m	3.0	18m			12	15m	2.9	75m	30		2F	G080		
23#	TBA325A	5.0	6.0	6.0		20	7.5	3.2	600m	15m			12	50m	1.0	46		0F	F078			
24	LM145K	5.0	2.0	2.0		20	2.8	25	3.0				12	15m	2.9	75m		5F	F153			
25	LM245K	5.0	2.0	2.0		20	2.8	25	3.0				12	15m	2.9	75m		2F	F153			
26	LM345K	5.0	4.0	4.0		20	2.8	25	3.0				12	25m	2.9	100m		0C	F153			
27	LM123K	5.0	6.0	6.0		20	7.5	30	3.0				7.5	25m	3.0	100m		5F	F111			
28	LM223K	5.0	6.0	6.0		20	7.5	30	3.0				7.5	25m	3.0	100m		2F	F111			
29	LM323K	5.0	6.0	6.0		20	7.5	30	3.0				7.5	25m	3.0	100m		0C	F111			
30	SH1705	5.0	4.8	5.2		23	2.0	50	5.0				100m	15	30m	5.0	50m	60	20u	2.0u	0E	F211
31	JANM38510/10701AXA	5.0	6.0	6.0		25	9.0	890m	500m				100u	18	4.0m	495m	20m	60		5C	F186a	
32	JANM38510/10701AXB	5.0	6.0	6.0		25	9.0	890m	500m				100u	18	4.0m	495m	20m	60		5C	F186a	
33	JANM38510/10701AXC	5.0	6.0	6.0		25	9.0	890m	500m				100u	18	4.0m	495m	20m	60		5C	F186a	
34	JANM38510/10701BXA	5.0	6.0	6.0		25	9.0	890m	500m				100u	18	4.0m	495m	20m	60		5C	F186a	
35	JANM38510/10701BXB	5.0	6.0	6.0		25	9.0	890m	500m				100u	18	4.0m	495m	20m	60		5C	F186a	
36	JANM38510/10701BXC	5.0	6.0	6.0		25	9.0	890m	500m				100u	18	4.0m	495m	20m	60		5C	F186a	
37	JANM38510/10701CXA	5.0	6.0	6.0		25	9.0	890m	500m				100u	18	4.0m	495m	20m	60		5C	F186a	
38	JANM38510/10701CXB	5.0	6.0	6.0		25	9.0	890m	500m				100u	18	4.0m	495m	20m	60		5C	F186a	
39	JANM38510/10701CXC	5.0	6.0	6.0		25	9.0	890m	500m				100u	18	4.0m	495m	20m	60		5C	F186a	
40	JANM38510/10702AXA	5.0	5.0	5.0		25	8.0	890m	500m				2.0m	17	50m	495m	100m	60		5C	F186	
41	JANM38510/10702AXB	5.0	5.0	5.0		25	8.0	890m	500m				2.0m	17	50m	495m	100m	60		5C	F186	
42	JANM38510/10702AXC	5.0	5.0	5.0		25	8.0	890m	500m				2.0m	17	50m	495m	100m	60		5C	F186	
43	LM120H5.0	5.0	2.0	2.0		25	8.0	890m	500m				18	25m	495m	50m	60		5C	F108		
44	LM220H5.0	5.0	2.0	2.0		25	2.0	500m					18	25m	495m	50m	60		2F	F108		
45	LM320H5.0	5.0	4.0	4.0		25	2.0	500m					18	50m	495m	50m	60		0C	F108		
46	JANM38510/10701AYA	5.0	6.0	6.0		25	9.0	3.6	1.5				100u	18	4.0m	1.5	50m	60		5C	F186c	
47	JANM38510/10701AYB	5.0	6.0	6.0		25	9.0	3.6	1.5				100u	18	4.0m	1.5	50m	60		5C	F186c	
48	JANM38510/10701AYC	5.0	6.0	6.0		25	9.0	3.6	1.5				100u	18	4.0m	1.5	50m	60		5C	F186c	
49	JANM38510/10701BYA	5.0	6.0	6.0		25	9.0	3.6	1.5				100u	18	4.0m	1.5	50m	60		5C	F186c	
50	JANM38510/10701BYB	5.0	6.0	6.0		25	9.0	3.6	1.5				100u	18	4.0m	1.5	50m	60		5C	F186c	
51	JANM38510/10701BYC	5.0	6.0	6.0		25	9.0	3.6	1.5				100u	18	4.0m	1.5	50m	60		5C	F186c	
52	JANM38510/10701CYA	5.0	6.0	6.0		25	9.0	3.6	1.5				100u	18	4.0m	1.5	50m	60		5C	F186c	
53	JANM38510/10701CYB	5.0	6.0	6.0		25	9.0	3.6	1.5				100u	18	4.0m	1.5	50m	60		5C	F186c	
54	JANM38510/10701CXC	5.0	6.0	6.0		25	9.0	3.6	1.5				100u	18	4.0m	1.5	50m	60		5C	F186c	
55	JANM38510/10706AYA	5.0	5.0	5.0		25	8.0	3.6	1.0				2.0m	17	50m	995m	100m	60		5C	F186b	
56	JANM38510/10706AYB	5.0	5.0	5.0		25	8.0	3.6	1.0				2.0m	17	50m	995m	100m	60		5C	F186b	
57	JANM38510/10706AYC	5.0	5.0	5.0		25	8.0	3.6	1.0				2.0m	17	50m	995m	100m	60		5C	F186b	
58	JANM38510/10706BYB	5.0	5.0	5.0		25	8.0	3.6	1.0				2.0m	17	50m	995m	100m	60		5C	F186b	
59	JANM38510/10706CYB	5.0	5.0	5.0		25	8.0	3.6	1.0				2.0m	17	50m	995m	100m	60		5C	F186b	
60	LM320MP5.0	5.0	4.0	4.0		25	2.5	7.5	500m				17	40m	495m	100m	54		0C	F152		
61	LM320T5.0	5.0	4.0	4.0		25	15	1.5					17	40m	1.4	120m			0C	F152		
62	LM120K5.0	5.0	2.0	2.0		25	20	1.5					18	25m	1.4	75m			5C	F108		
63	LM220K5.0	5.0	2.0	2.0		25	20	1.5					18	25m	1.4	75m			2F	F108		
64	LM320K5.0	5.0	4.0	4.0		25	20	1.5					18	50m	1.4	100m			0C	F108		
65	LM320KC5.0	5.0	4.0	4.0		25	20	1.5					18	40m	1.4	100m	54		0C	F108		
66	SH123KM	5.0	4.0	4.0		25	2.3	50	3.0				11	50m	3.0	50m	60		5F	TO3		
67	SH223KV	5.0	4.0	4.0		25	2.3	50	3.0				11	50m	3.0	50m	60		2F	TO3		
68	SH323KC	5.0	4.0	4.0		25	2.3	50	3.0				11	50m	3.0	50m	60		0F	TO3		
69	78M05BE	5.0				30	2.0	200m					18	3.0m	495m	25m	78		5C	F125		
70	78M05CE	5.0				30	2.0	200m					18	3.0m	495m	25m	78		0B	F125		
71	LM342P5.0	5.0	4.0	4.0		30		*					17	100m	199m	100m	45		07	F151		
72#	SL78L05	5.0	5.2	4.7		30	13	*					13	200m	99m	60m	40		0E	F130		
73	78L05HC	5.0	8.0	8.0		30		900m					13	200m	99m	60m	40		0E	F130		
74	78L05WC	5.0	8.0	8.0		30		900m					13	200m	99m	60m	40		0E	F130		
75	8220	5.0				30	3.0	1.2	300m				10m	500u	2.0	60m	300m	60		5C	MP34	
76	855V5	5.0	1.0	1.0		30	4.0	1.6	500m				900m	100m	500m	100m			5C	MP34b		
77	805V5	5.0	1.0	1.0		30	4.0	1.8	500m				900m	100m	500m	100m</						

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V
(3)MAX POWER DISSIPATION (4)TYPE No.

LINEAR

LINE No.	TYPE No.	NOM. VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE (V)		MAX. INPUT VOLT. (V)	MIN. IN DIFF. (ΔV)	MAX. POWER DISS. @ 25°C (W)	MAX. LOAD CUR. (A)	MAX. OUTPUT IMP. (Ω)	MAX. LINE REG. VOLT. CHG. (ΔV)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX. LOAD REG. CUR. CHG. (ΔA)	MAX. LOAD REG. VOLT. CHG. (%)	MIN. RIPPL. REJ. (dB)	MAX. TRANSIENT RECOVERY		T C E O P D	DRAWINGS		
			LOW (V)	HIGH (V)											@ LINE CHG. (s)	@ LOAD CHG. (s)				
1	uA78C05U1C	5.0	4.0 %	4.0 %	35							100mΔ	50mΔ	82			07	F091		
2	LM140LAH5.0	5.0	2.0 %	2.0 %	35	2.0	22m*	100m	200m†	2.0 %†	17	30mΔ	99m	40mΔ	55		5C	F148	CN40	
3	LM240LAH5.0	5.0	2.0 %	2.0 %	35	2.0	22m*	100m	200m†	2.0 %†	18	30mΔ	99m	20mΔ	55		28	F148	CN40	
4	LM340LAH5.0	5.0	2.0 %	2.0 %	35	2.0	22m*	100m	200m†	2.0 %†	18	30mΔ	99m	20mΔ	55		28	F148	MP573	
5	LM340LAZ5.0	5.0	2.0 %	2.0 %	35	2.0	22m*	100m	200m†	2.0 %†	17	30mΔ	99m	40mΔ	55		07	F148	CN40	
6	LM340LAZ5.0	5.0	2.0 %	2.0 %	35	2.0	22m*	100m	200m†	2.0 %†	17	30mΔ	99m	40mΔ	55		07	F148	MP573	
7	T109H	5.0			35			400m	500m		20m	18	400m				5C	F077	TO5	
8	T209H	5.0			35			400m	500m		20m	18	400m				2C	F077	TO5	
9	T309H	5.0			35			400m	500m		20m	18	400m				0C	F077	TO5	
10	LM320LZ5.0	5.0	4.0 %	4.0 %	35	2.0	600m*	100m	750m	1.0m†	18	60mΔ	99m	50mΔ	50		07	F201	MP573	
11	MC7705CG	5.0	4.0 %	4.0 %	35		800m	750m			18	100mΔ	745m	100mΔ	70	†	0C	F125	T039	
12	T109K	5.0			35		800m	1.5		20m	18		1.4				5C	F077	T03	
13	T209K	5.0			35		800m	1.5		20m	18		1.4				2C	F077	T03	
14	T309K	5.0			35		800m	1.5		20m	18		1.4				0W	F077	T03	
15	LA109H	5.0	6.0 %	6.0 %	35	1.5	2.0	200m		20m	18	50m	500m	50m			5C	F077	CN40	
16	LA209H	5.0	6.0 %	6.0 %	35	1.5	2.0	200m		20m	18	50m	500m	50m			28	F077	CN40	
17	LA309H	5.0	4.0 %	4.0 %	35	1.5	2.0	200m		20m	18	50m	500m	50m			07	F077	CN40	
18	LM109H03	5.0	6.0 %	6.0 %	35	2.0	2.0	500m		20m	18	50m	495m	50mΔ			5C	F077	CN38d	
19	MC78M05CP	5.0	4.0 %	4.0 %	35	2.0	2.0			1.0m†	18	100mΔ	495m	100mΔ	80	†	0C	F091	MT1	
20	MC7705CP	5.0	4.0 %	4.0 %	35	2.0	2.0			1.0m†	18	50mΔ	745m	100mΔ	70	†	08	F125	MT1	
21	MC7705CT	5.0	4.0 %	4.0 %	35	2.0	2.0	750m		1.0m†	18	100mΔ	745m	100mΔ	70	†	0C	F125a	Y220b	
22	MC7805CP	5.0	4.0 %	4.0 %	35	2.0	2.0	1.5		30m†	18	50mΔ	1.3m	100mΔ	70	†	0C	F091	MT1	
23	MC7805CP	5.0	4.0 %	4.0 %	35	2.0	2.0			1.0m†	18	50mΔ	1.5	100mΔ	70	†	0C	F116	MT1	
24 #	MT109	5.0	6.9 %	6.9 %	35	7.0 *	2.0	1.0			18	50mΔ	495m	50mΔ			5F	F077	CN40	
25 #	MT209	5.0	6.9 %	6.9 %	35	7.0 *	2.0	1.0			18	50mΔ					2E	F077	CN40	
26 #	uA309BN	5.0			35		2.5			50m†	18	1.0	495m	100mΔ			0C	F077	T03	
27	uA109BN	5.0			35		3.2			50m†	18	1.0	495m	100mΔ			5E	F077	T03	
28	uA209BN	5.0			35		3.2			50m†	18	1.0	495m	100mΔ			2E	F077	T03	
29	78M05HC	5.0	4.0 %	4.0 %	35	2.0	5.0	700m		1.0m†	18	100mΔ	495m	100mΔ	62		08	F110	T039	
30	78M05UC	5.0	4.0 %	4.0 %	35	2.0	5.0	700m		1.0m†	18	100mΔ	495m	100mΔ	62		08	F110	Y220b	
31	LM320MLP5.0	5.0	4.0 %	4.0 %	35		7.5 *	250m			18	50mΔ	249m	50mΔ	54		07	F201	MT4	
32	LM340LP5.0	5.0	4.0 %	4.0 %	35		7.5 *	500m			17	100mΔ	495m	100mΔ	78	†	07	F199a	MT4	
33	7805KC	5.0	4.0 %	4.0 %	35	2.0	15	2.2		17m†	18	100mΔ	1.5	100mΔ	62		08		T03	
34	7805KM	5.0	4.0 %	4.0 %	35	2.0	15	2.2		17m†	18	100mΔ	1.5	50mΔ	68		5C		T03	
35	7805UC	5.0	4.0 %	4.0 %	35	2.0	15	2.2		17m†	18	100mΔ	1.5	100mΔ	62		08		Y220b	
36	LM340AT5.0	5.0	2.0 %	2.0 %	35		15 *	1.0		8.0m†	600m†	4.0	12mΔ	995m	25mΔ	68		07	F199	MT3
37	LM340T5.0	5.0	4.0 %	4.0 %	35		15 *	1.0		8.0m†	600m†	4.0	25mΔ	995m	50mΔ	62		07	F199	MT3
38	PMC15K5	5.0	5.0 %	5.0 %	35	2.3 *	15	1.5		30mΔ	10	2.0	1.5	600m	58		5F	F110	T03	
39	PMC18K5	5.0	5.0 %	5.0 %	35	2.0 *	15	1.5		30mΔ	10	2.0	1.5	600m	58		5F	F136	T03	
40	LA109K	5.0	6.0 %	6.0 %	35	1.5	2.0	1.0		20m	18	50m	1.5	100m			5C	F077	T03	
41	LA209K	5.0	6.0 %	6.0 %	35	1.5	2.0	1.0		20m	18	50m	1.5	100m			28	F077	T03	
42	LA309K	5.0	4.0 %	4.0 %	35	1.5	2.0	1.0		20m	18	50m	1.5	100m			07	F077	T03	
43	LM109K03	5.0	6.0 %	6.0 %	35		20	1.5			18	50m	1.4	100mΔ			5F	F077	CN48a	
44	LM140AK5.0	5.0	2.0 %	2.0 %	35		20 *	1.0		8.0m†	600m†	4.0	12mΔ	995m	25mΔ	68		5C	F199	CN48a
45	LM140K5.0	5.0	4.0 %	4.0 %	35		20 *	1.0		8.0m†	600m†	4.0	25mΔ	995m	50mΔ	68		5C	F199	CN48a
46	LM340AK5.0	5.0	2.0 %	2.0 %	35		20 *	1.0		8.0m†	600m†	4.0	12mΔ	995m	25mΔ	68		07	F199	CN48a
47	LM340AKC5.0	5.0	2.0 %	2.0 %	35		20 *	1.0		8.0m†	600m†	4.0	12mΔ	995m	25mΔ	68		07	F199	CN79
48	LM340K5.0	5.0	4.0 %	4.0 %	35		20 *	1.0		8.0m†	600m†	4.0	25mΔ	995m	50mΔ	62		07	F199	CN48a
49	LM340KC5.0	5.0	4.0 %	4.0 %	35		20 *	1.0		8.0m†	600m†	4.0	25mΔ	995m	50mΔ	62		07	F199	CN79
50 #	SI3560M	5.0	5.0		35	4.0	40	1.5		20m	18	600m	1.5	1.0	54		27	F106	T03	
51 #	DE5500	5.0			40			500m			1.0	10m	10m				27		MP276a	
52	SN72405L	5.0	10 %	10 %	40	3.0	800m	150m	50m†	15mΔ	28	500m	40m	600m	70	†	07		T099	
53	SN72405P	5.0	10 %	10 %	40	3.0	800m	150m	50m†	15mΔ	28	500m	49m	600m	70	†	07		8-3	
54	J10-5	5.0			40	5.0	1.8	1.0		1.0m	1.0	5.0m	1.0	5.0m	86		5C	G010	MP34a	
55	VR1050	5.0	3.0	12	40	3.0	2.0	500m	40m	2.5m	1.0	3.0m	125m	100m	80				14-3b	
56	RE5500	5.0			40	1.0	3.0	500m	100m	1.0m	1.0	10m	500m	10m	80	†	27		MP276	
57	VR03-05AB	5.0	4.5	5.5	40	3.5	8.0	5.0		15mΔ	5.0	10m	200m	60			5C	F101	MP313	
58	CTS870	5.0			40	10 *	10	750m	600m		3.0	100m	750m	100m	60		5C	F041	CN22a	
59	VR03-05AA	5.0			40	3.5	70	5.0		15mΔ	95m	10m	200m	60			5C	F101	MP313	
60	MI42070-055	5.0	2.0 %		40	6.0	80	5.0		50mΔ†	20m	100m	60mΔ	60			07	F173	T03	
61	828AV5	5.0	500mΔ		45	3.5	1.5	500m			1.0	10m	450m	10m			5C			
62	838AV5	5.0	500mΔ		45	3.5	1.5	500m			1.0	10m	450m	10m			5C			
63	LM245K5.2	5.2	1.9 %	1.9 %	20	2.3	15m*	3.0		18m†	12	15mΔ	2.9	75mΔ	30		2F	G080	T03	
64	SG7905.25ACT	5.2			25	25	1.0	50		50m*†	17	40mΔ	495m	50mΔ	60	†	0C	F187	T039	
65	LM120H5.2	5.2	2.0 %	2.0 %	25		2.0	500m			18	25mΔ	495m	50mΔ			5C	F108	CN38d	
66	LM220H5.2	5.2	2.0 %	2.0 %	25		2.0	500m			18	25mΔ	495m	50mΔ			2F	F108	CN38d	
67	LM320H5.2	5.2	3.8 %	3.8 %	25		2.0	500m			18	50mΔ	495m	50mΔ			0C	F108	CN38d	
68	SG7805.2AR	5.2			25	25	3.0	1.5		50m*†	17	25mΔ	.50	30mΔ	60	†	5F	F187	T066	
69	LM320MP5.2	5.2	4.0 %	4.0 %	25	2.3	7.5 *	500m			17	40mΔ	495m	100mΔ	64	†	0C	F152	Y202a	
70	LM320T5.2	5.2	3.8 %	3.8 %	25		15	1.5			17	40mΔ	1.4	120mΔ			0C	F152	MT3	
71	LM120K5.2	5.2	2.0 %	2.0 %	25		20	1.5			18	25mΔ	1.4	75mΔ			5C	F108	T03	
72	LM220K5.2	5.2	2.0 %	2.0 %	25		20	1.5			18	25mΔ	1.4	75mΔ			2F	F108	CN48a	
73	LM320K5.2	5.2	3.8 %	3.8 %	25		20	1.5			18	50mΔ	1.4	100mΔ			0C	F108	CN48a	
74	LM320KC5.2	5.2	3.8 %	3.8 %	25		20 *	1.5			18	40mΔ	1.4	100mΔ	54		0C	F108	CN79	
75	LM7905.2CK	5.2	3.8 %	3.8 %	35		*	1.5			17	50mΔ	1.4	100mΔ	54		07	F152	CN79	
76	LM7905.2CT	5.2	3.8 %	3.8 %	35		*	1.5			400m†	17	50mΔ	1.4	100mΔ	54		07	F152	MT3
77	uA7952UC	5.2	</																	

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V (3)MAX POWER DISSIPATION (4)TYPE No.

LINE No.	TYPE No.	NOM. VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE (V)		2 MAX. MIN. INPUT VOLT OUT/IN DIFF. (ΔV)	3 MAX. POWER DISS. @ 25°C (W)	MAX. LOAD CUR. (A)	MAX. OUT-PUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX. LINE REG.		MAX. LOAD REG.		MIN RIPPL REJ. (dB)	MAX TRANSIENT RECOVERY @ LINE @ LOAD		E O P E	C K T.	D R A W I N G S	OUT-LINE Δ = MO
			LOW	HIGH						LINE VOLT. CHG. (ΔV)	LOAD VOLT. CHG. (ΔV)	RECOVERY (s)	RECOVERY (s)							
1	LM340LAZ6.0	6.0	2.0 %	2.0 %	35	2.0	27m*	100m	200m†	2.0 %†	18	35m	99m	50mΔ	53	07	F148	MP573		
2	LM320LZ6.0	6.0	4.2 %	4.2 %	35	2.0	600m*	100m	200m†	1.0m†	17	63m	99m	60mΔ	49	07	F201	MP573		
3	MC7706CG	6.0	4.1 %	4.1 %	35	2.0	800m*	750m	200m†	1.0m†	17	120mΔ	745m	120mΔ	65 †	0C	F125	TO39		
4	MC78M08CP	6.0	4.1 %	4.1 %	35	2.0	2.0	2.0	500m†	1.0m†	17	100m	495m	120mΔ	80 †	0C	F091	MT1		
5	MC7708CP	6.0	4.1 %	4.1 %	35	2.0	2.0	750m	35m†	1.0m†	17	60m	745m	120mΔ	65 †	0C	F125	MT1		
6	MC7708CT	6.0	4.1 %	4.1 %	35	2.0	2.0	750m	500m†	1.0m†	17	120m	745m	120mΔ	65 †	0C	F125a	Y220b		
7	MC7808CP	6.0	4.2 %	4.2 %	35	2.0	2.0	1.5	35m†	1.0m†	17	60m	1.3m	120mΔ	65 †	0C	F091	MT1		
8	MC7908CP	6.0	4.1 %	4.1 %	35	2.0	2.0	2.0	500m†	1.0m†	17	60m	1.5	120mΔ	65 †	0C	F116	MT1		
9	78M08HC	6.0	4.1 %	4.1 %	35	2.0	5.0	700m	500m†	1.0m†	17	100m	495m	120mΔ	59	08	F110	TO39		
10	78M08UC	6.0	4.1 %	4.1 %	35	2.0	5.0	700m	500m†	1.0m†	17	100m	495m	120mΔ	59	08	F110	Y220b		
11	uA79M06UC	6.0	4.2 %	4.2 %	35	1.1	5.0	650m	400m†	1.0m†	17	60m	500m	2.0	54	07	F201	MT4		
12	LM320MLP6.0	6.0	4.2 %	4.2 %	35		7.5 *	250m			17	52m	249m	60mΔ	53	07	F201	MT4		
13	LM341P6.0	6.0	4.1 %	4.1 %	35		7.5 *	500m			16	120m	495m	120mΔ	76 †	07	F199a	MT4		
14	7808KC	6.0	4.1 %	4.1 %	35	2.0	15	2.2	19m†	800m†	17	120m	1.5	120mΔ	59	08	5C	TO3		
15	7808KM	6.0	4.1 %	4.1 %	35	2.0	15	2.2	19m†	800m†	17	60m	1.5	60mΔ	65	08	5C	TO3		
16	7808UC	6.0	4.1 %	4.1 %	35	2.0	15	2.2	19m†	800m†	17	120m	1.5	120mΔ	59	08	5C	Y220b		
17	LM340AT6.0	6.0	2.0 %	2.0 %	35	1.0	15 *	1.0	9.0m†	700m†	4.0	15m	995m	30mΔ	65	07	F199	MT3		
18	LM340T6.0	6.0	4.2 %	4.2 %	35	1.0	15 *	1.0	9.0m†	700m†	4.0	30m	995m	60mΔ	59	07	F199	MT3		
19	PMC15K6	6.0	5.0 %	5.0 %	35	2.3 *	15	1.5	30mΔ	10	2.0	1.5	600m	57	5F	F110	TO3			
20	PMC18K6	6.0	5.0 %	5.0 %	35	2.0 *	15	1.5	30mΔ	10	2.0	1.5	600m	56	5F	F136	TO3			
21	LM140AK6.0	6.0	2.0 %	2.0 %	35	2.0 *	10	1.0	9.0m†	700m†	4.0	15m	995m	30mΔ	65	5C	F199	CN48a		
22	LM140K6.0	6.0	4.2 %	4.2 %	35	2.0 *	10	1.0	9.0m†	700m†	4.0	30m	995m	60mΔ	65	5C	F199	CN48a		
23	LM340AK6.0	6.0	2.0 %	2.0 %	35	2.0 *	10	1.0	9.0m†	700m†	4.0	15m	995m	30mΔ	65	07	F199	CN48a		
24	LM340AKC6.0	6.0	2.0 %	2.0 %	35	2.0 *	10	1.0	9.0m†	700m†	4.0	15m	995m	30mΔ	65	07	F199	CN79		
25	LM340K6.0	6.0	4.2 %	4.2 %	35	2.0 *	10	1.0	9.0m†	700m†	4.0	30m	995m	60mΔ	59	07	F199	CN48a		
26	LM340KC6.0	6.0	4.2 %	4.2 %	35	2.0 *	10	1.0	9.0m†	700m†	4.0	30m	995m	60mΔ	59	07	F199	CN79		
27	SN72408L	6.0	10 %	10 %	40	3.0	800m	150m	50m†	15mΔ	28	500m	49m	600m	70 †	07	5C	TO99		
28	SN72408P	6.0	10 %	10 %	40	3.0	800m	150m	50m†	15mΔ	28	500m	49m	600m	70 †	07	5C	8-3		
29	809V6	6.0			40	2.0	1.6	750m				30mΔ	3.0 *			07	5C	MP34e		
30	859V6	6.0			40	2.0	1.6	750m				30mΔ	3.0 *			07	5C	MP34e		
31	J10-5	6.0			40	5.0	1.8	1.0	1.0m		1.1	5.0m	1.0	5.0m	86	5C	G010	MP34a		
32	J11	6.0	3.0	9.0	40	5.0	1.8	1.0	1.0m		1.1	5.0m	1.0	5.0m		5C	G010	MP34a		
33	VR1060	6.0	3.0	12	40	3.0	2.0	500m		3.0m	1.0	3.0m	125m	100m	80	07	F173	TO3		
34	MI42070-085	6.0	1.6 %	1.6 %	40	6.0	80	5.0		50m%†	20m	100m		60mΔ	60	07	5C	TO3		
35	828AV6	6.0	500m%	500m%	45	3.5	1.5	500m			1.0	10m	450m	10m		07	5C			
36	838AV6	6.0	500m%	500m%	45	3.5	1.5	500m			1.0	10m	450m	10m		07	5C			
37	78L06WC	6.2	8.0 %	8.0 %	30		900m	100m			11	150m	99m	80mΔ	39	0E	F130	TO92		
38	BHNO001	6.4	4.8	8.0	40		21		100m	16m†				500m	40	3A	F219	MP218		
39#	L7875CY	7.5			35		*			80m†	80m			160mΔ		0F	F220	Y220		
40	LM120H8.0	8.0	2.5 %	2.5 %	25	2.5	2.0 *	500m			14	25m	495m	25mΔ	54	5F	F152	CN40		
41	LM220H8.0	8.0	2.5 %	2.5 %	25	2.5	2.0 *	500m			14	25m	495m	25mΔ	54	2F	F152	CN40		
42	LM320H8.0	8.0	3.7 %	3.7 %	25	2.5	2.0 *	500m			15	40m	495m	40mΔ	54	0C	F152	CN40		
43	LM320MP8.0	8.0	3.7 %	3.7 %	25	2.5	7.5 *	500m			15	40m	495m	100mΔ	54	0C	F152	Y202a		
44	LM320T8.0	8.0	3.7 %	3.7 %	25	2.5	15	1.5			14	40m	1.4	120mΔ		0C	F152	MT3		
45	LM120K8.0	8.0	2.5 %	2.5 %	25	2.5	20 *	1.5			15	25m	1.4	80mΔ	54	0C	F152	TO3		
46	LM220K8.0	8.0	2.5 %	2.5 %	25	2.5	20 *	1.5			15	25m	1.4	80mΔ	54	2F	F152	TO3		
47	LM320K8.0	8.0	3.7 %	3.7 %	25	2.5	20 *	1.5			15	40m	1.4	100mΔ	54	0C	F152	CN79		
48	LM320KC8.0	8.0	3.7 %	3.7 %	25	2.5	20 *	1.5			15	40m	1.4	100mΔ	54	0C	F108	CN79		
49	78M08BE	8.0			30	2.0 *		200m			14	6.0m†	495m	40mΔ	72 †	5C	F125	TO39		
50	78M08CE	8.0			30	2.0 *		200m			14	6.0m†	495m	40mΔ	72 †	08	F125	TO39		
51	LM342P8.0	8.0	3.7 %	3.7 %	30		*	200m			14	160m	199m	160mΔ	39	07	F151	MT4		
52#	SL78L08	8.0	8.4	6.7	30	10 *		200m	100m†		55m	1.8 *	200m	70mΔ	46	08		TO39		
53	LM7808CK	8.0	3.8 %	3.8 %	35			1.0	12m†	1.0m†	6.0	40m	995m	80mΔ	56	07	F150	CN79		
54	LM7808CT	8.0	3.8 %	3.8 %	35			1.0	12m†	1.0m†	6.0	40m	995m	80mΔ	56	07	F150	MT3		
55	LM7908CK	8.0	3.8 %	3.8 %	35			1.5			15	80m	1.4	160mΔ	54	07	F152	CN79		
56	LM7908CT	8.0	3.8 %	3.8 %	35			1.5			15	80m	1.4	160mΔ	54	07	F152	MT3		
57	LM140LAH8.0	8.0	2.0 %	2.0 %	35	2.2	36m*	100m	200m†	2.0 %†	14	42m	99m	60mΔ	51	5C	F148	CN40		
58	LM240LAH8.0	8.0	2.0 %	2.0 %	35	2.2	36m*	100m	200m†	2.0 %†	14	42m	99m	30mΔ	51	28	F148	CN40		
59	LM240LAZ8.0	8.0	2.0 %	2.0 %	35	2.2	36m*	100m	200m†	2.0 %†	14	42m	99m	30mΔ	51	28	F148	MP573		
60	LM340LAH8.0	8.0	2.0 %	2.0 %	35	2.2	36m*	100m	200m†	2.0 %†	14	42m	99m	60mΔ	51	07	F148	CN40		
61	LM340LAZ8.0	8.0	2.0 %	2.0 %	35	2.2	36m*	100m	200m†	2.0 %†	14	42m	99m	60mΔ	51	07	F148	MP573		
62	LM320LZ8.0	8.0	3.8 %	3.8 %	35	2.0	600m*	100m	200m†	1.0m†	15	30m	99m	68mΔ	56	07	F201a	MP573		
63	MC7708CG	8.0	3.7 %	3.7 %	35	2.0	800m*	750m	200m†	1.0m†	14	160m	745m	160mΔ	82 †	0C	F125	TO39		
64	MC78M08CP	8.0	3.7 %	3.7 %	35	2.0	2.0	2.0	500m†	1.0m†	14	100m	495m	160mΔ	82 †	0C	F091	MT1		
65	MC7708CP	8.0	3.7 %	3.7 %	35	2.0	2.0	2.0	750m	40m†	14	80m	745m	160mΔ	80 †	08	F125	MT1		
66	MC7708CT	8.0	3.7 %	3.7 %	35	2.0	2.0	2.0	750m	1.0m†	14	160m	745m	160mΔ	82 †	0C	F125a	Y220b		
67	MC7808CP	8.0	4.0 %	4.0 %	35	2.0	2.0	1.5	40m†	1.0m†	15	80m	1.3m	160mΔ	82 †	0C	F091	MT1		
68	MC7908CP	8.0	3.7 %	3.7 %	35	2.0	2.0	2.0	500m†	1.0m†	14	80m	1.5	160mΔ	82 †	0C	F116	MT1		
69	78M08HC	8.0	3.7 %	3.7 %	35	2.0	5.0	700m	500m†	1.0m†	14	100m	495m	160mΔ	56	08	F110	TO39		
70	78M08UC	8.0	3.7 %	3.7 %	35	2.0	5.0	700m	500m†	1.0m†	14	100m	495m	160mΔ	56	08	F110	Y220b		
71	uA79M08UC	8.0	3.8 %	3.8 %	35	1.1	5.0	650m	400m†	1.0m†	14	100m	500m	2.0	54	07	F201a	MP573		
72	LM320MLP8.0	8.0	4.2 %	4.2 %	35		7.5 *	250m			15	30m	249m	60mΔ	80	07	F201a	MT4		
73	LM341P8.0	8.0	3.7 %	3.7 %	35		7.5 *	500m			14	160m	495m	160mΔ	74 †	07	F199a	MT4		
74	uA78C08U1C	8.0	3.7 %	3.7 %	35	5.0	7.5 *	500m			10	40m	4							

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V
(3)MAX POWER DISSIPATION (4)TYPE No.

LINEAR

LINE No.	TYPE No.	NOM. VOLT (V)	ADJUSTABLE OUTPUT		MAX INPUT LINE VOLT [V]	MIN OUT/IN DIFF. (ΔV)	MAX POWER DISS. @25°C (W)	MAX. LOAD CUR. (A)	MAX. OUTPUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX. LINE VOLT. CHG. (ΔV)	MAX. LOAD REG. CUR. CHG. (ΔA)	OUT. VOLT. CHG. (%)	MIN RIPPL. REJ. (dB)	MAX TRANSIENT RECOVERY		T C P E	DRAWINGS	
			LOW (V)	HIGH (V)											@LINE CHG. (s)	@LOAD CHG. (s)			
1	SN72409L	9.0	1.1%	1.1%	40	3.0	800m	150m	50m†	15mΔ	25	500m	49m	600m	70 †	5.0t	5.0t	07	T099
2	SN72409P	9.0	1.1%	1.1%	40	3.0	800m	150m	50m†	15mΔ	25	500m	49m	600m	70 †	5.0t	5.0t	07	8-3
3	859V9	9.0			40	2.0	1.6	750m										5C	MP34e
4	J20-9	9.0			40	5.0	1.8	1.0	1.0m			1.0	5.0m	94			5C	G010	
5	VR1090	9.0	3.0	12	40	3.0	2.0	500m	80m	4.5m	1.0	3.0m	110m	80			5C	MP34a	
6	M142070-095	9.0	1.1%	1.1%	40	6.0	80	5.0		50m%†	20m	100m	60mΔ	60			07	14-3b	
7	828AV9	9.0	500m%	500m%	45	3.5	1.5	500m			1.0	10m	450m	10m			07	TO3	
8	838AV9	9.0	500m%	500m%	45	3.5	1.5	500m			1.0	10m	450m	10m			5C		
9	980J	10			16					1.0mΔ		30uΔ	10m				07	MP136	
10	980K	10			16					500uΔ		30uΔ	10m				07	MP136	
11#	TCA700	10	2.3%	2.3%	16	1.7		220m									4C	F131	
12	R675B-2	10	50m%	50m%	20	5.5	300m	15m	200m		45u	6.0	300u	200u*			07	TO126	
13	R675C-2	10	50m%	50m%	20	5.5	300m	15m	200m		25u	6.0	300u	200u*			07	T099	
14	R675B-6	10	50m%	50m%	20	6.0	500m	15m	20m		10u	6.0	300u	4.0m*			5C	MP488a	
15	R675B-7	10	50m%	50m%	20	5.5	500m	15m	20m		10u	6.0	300u	4.0m*			5C	MP488a	
16	R675B-8	10	50m%	50m%	20	5.5	500m	15m	20m		10u	6.0	300u	4.0m*			5C	MP488a	
17	R675C-6	10	50m%	50m%	20	6.0	500m	15m	20m		5.0u	6.0	300u	4.0m*			07	MP488a	
18	R675C-7	10	50m%	50m%	20	5.5	500m	15m	20m		5.0u	6.0	300u	4.0m*			07	MP488a	
19	R675C-8	10	50m%	50m%	20	5.5	500m	15m	20m		5.0u	6.0	300u	4.0m*			07	MP488a	
20	8900	10			20	3.0	1.0	100m	100m	4.0m	7.0	300m	100m	80	10u	10u	5F	MP5bk	
21	NC109T	10	4.0	16	24	2.0	6.0	150m	50m		5.0	10	500m	40 †			07	CN18b	
22#	WC109T	10	4.0	16	24	5.0	833m	150m	35m†			500mΔ	150m	3.3 †	40 †		07	F146	
23	8901	10			30	3.0	500m	40m	3.0m		2.0u	1.0	10u	40m	100u		5F	CN18b	
24	PVS10BA-A	10	1.0m%	1.0m%	30	5.0	560m	10m	5.0m		5.0u	2.8	100u	10m	500u		07	MP210	
25	PVS10BC-A	10	1.0m%	1.0m%	30	5.0	560m	10m	5.0m		5.0u	2.8	100u	10m	500u		07	MP239a	
26	PVS10CC-A	10	1.0m%	1.0m%	30	5.0	560m	10m	5.0m		5.0u	2.8	100u	10m	500u		07	MP326	
27	PVS10GA-A	10	1.0m%	1.0m%	30	5.0	560m	10m	5.0m		10u	2.8	100u	10m	500u		07	MP326	
28	PVS10GC-A	10	1.0m%	1.0m%	30	5.0	560m	10m	5.0m		10u	2.8	100u	10m	500u		07	MP239a	
29	PVS10HC-A	10	5.0m%	5.0m%	30	5.0	560m	2.0m	5.0m		30u	2.8	100u	2.0m	500u		07	MP326	
30	PVS10HD	10	5.0m%	5.0m%	30	5.0	560m	2.0m	100m		30u	2.8	300u	2.0m	2.0m		07	MP327	
31	PVS10JC-A	10	10m%	10m%	30	5.0	560m	10m	5.0m		50u	2.8	100u	10m	500u		29	MP326	
32	PVS10K-A	10	10m%	10m%	30	5.0	560m	2.0m	5.0m		500uΔ	2.8	100u	2.0m	10uΔ		2A	MP239a	
33	PVS10K-B	10	10m%	10m%	30	5.0	560m	2.0m	25m		500uΔ	2.8	300u	2.0m	50uΔ		2A	MP239	
34	PVS10K-C	10	10m%	10m%	30	5.0	560m	2.0m	5.0m		500uΔ	2.8	100u	2.0m	10uΔ		2A	MP326	
35	PVS10K-D	10	10m%	10m%	30	5.0	560m	2.0m	100m		500uΔ	2.8	300u	2.0m	200uΔ		2A	MP327	
36	PVS10KC-A	10	10m%	10m%	30	5.0	560m	2.0m	5.0m		50u	2.8	100u	2.0m	500u		29	MP326	
37	PVS10KD	10	10m%	10m%	30	5.0	560m	2.0m	100m		50u	2.8	300u	2.0m	2.0m		29	MP327	
38	PVS10M-A	10	20m%	20m%	30	5.0	560m	10m	5.0m		1.0mΔ	2.8	100u	10m	50uΔ		5C	MP239a	
39	PVS10M-B	10	20m%	20m%	30	5.0	560m	10m	25m		1.0mΔ	2.8	300u	10m	250uΔ		5C	MP239	
40	PVS10M-C	10	20m%	20m%	30	5.0	560m	10m	5.0m		1.0mΔ	2.8	100u	10m	50uΔ		5C	MP326	
41	PVS10MC-A	10	2.0m%	2.0m%	30	5.0	560m	10m	5.0m		100u	2.8	100u	10m	500u		5B	MP326	
42	PVS10N-A	10	20m%	20m%	30	5.0	560m	2.0m	5.0m		1.0mΔ	2.8	100u	2.0m	10uΔ		5C	MP239a	
43	PVS10N-B	10	20m%	20m%	30	5.0	560m	2.0m	25m		1.0mΔ	2.8	300u	2.0m	50uΔ		5C	MP239	
44	PVS10N-C	10	20m%	20m%	30	5.0	560m	2.0m	5.0m		1.0mΔ	2.8	100u	2.0m	10uΔ		5C	MP326	
45	PVS10N-D	10	20m%	20m%	30	5.0	560m	2.0m	100m		1.0mΔ	2.8	300u	2.0m	200uΔ		5C	MP327	
46	PVS10NC-A	10	20m%	20m%	30	5.0	560m	2.0m	5.0m		100u	2.8	100u	2.0m	500u		5B	MP326	
47	PVS10ND	10	20m%	20m%	30	5.0	560m	2.0m	100m		100u	2.8	300u	2.0m	2.0m		5B	MP327	
48	PVSN10BC-A	10	1.0m%	1.0m%	30	5.0	560m	10m	5.0m		5.0u	2.8	100u	10m	500u		07	MP326	
49	PVSN10CC-A	10	1.0m%	1.0m%	30	5.0	560m	10m	5.0m		5.0u	2.8	100u	10m	500u		07	MP326	
50	PVSN10GC-A	10	1.0m%	1.0m%	30	5.0	560m	10m	5.0m		10u	2.8	100u	10m	500u		07	MP326	
51	PVSN10HC-A	10	5.0m%	5.0m%	30	5.0	560m	2.0m	5.0m		30u	2.8	100u	2.0m	500u		07	MP326	
52	PVSN10HD	10	5.0m%	5.0m%	30	5.0	560m	2.0m	100m		30u	2.8	300u	2.0m	2.0m		07	MP327	
53	PVSN10JC-A	10	10m%	10m%	30	5.0	560m	10m	5.0m		50u	2.8	100u	10m	500u		29	MP326	
54	PVSN10K-A	10	10m%	10m%	30	5.0	560m	2.0m	5.0m		50u	2.8	100u	2.0m	10uΔ		2A	MP239a	
55	PVSN10K-B	10	10m%	10m%	30	5.0	560m	2.0m	25m		50u	2.8	300u	2.0m	50uΔ		2A	MP239	
56	PVSN10K-C	10	10m%	10m%	30	5.0	560m	2.0m	5.0m		50u	2.8	100u	2.0m	10uΔ		2A	MP326	
57	PVSN10K-D	10	10m%	10m%	30	5.0	560m	2.0m	5.0m		50u	2.8	100u	2.0m	500u		29	MP326	
58	PVSN10KD	10	10m%	10m%	30	5.0	560m	2.0m	100m		50u	2.8	300u	2.0m	2.0m		29	MP327	
59	PVSN10M-A	10	20m%	20m%	30	5.0	560m	10m	5.0m		100u	2.8	100u	10m	50uΔ		5C	MP239a	
60	PVSN10M-B	10	20m%	20m%	30	5.0	560m	10m	25m		100u	2.8	300u	10m	250uΔ		5C	MP239	
61	PVSN10M-C	10	20m%	20m%	30	5.0	560m	10m	5.0m		100u	2.8	100u	10m	50uΔ		5C	MP326	
62	PVSN10MC-A	10	20m%	20m%	30	5.0	560m	10m	5.0m		100u	2.8	100u	10m	500u		5B	MP326	
63	PVSN10N-A	10	20m%	20m%	30	5.0	560m	2.0m	5.0m		100u	2.8	100u	2.0m	10uΔ		5C	MP239a	
64	PVSN10N-B	10	20m%	20m%	30	5.0	560m	2.0m	25m		100u	2.8	300u	2.0m	50uΔ		5C	MP239	
65	PVSN10N-C	10	20m%	20m%	30	5.0	560m	2.0m	5.0m		100u	2.8	100u	2.0m	10uΔ		5C	MP326	
66	PVSN10N-D	10	20m%	20m%	30	5.0	560m	2.0m	100m		100u	2.8	300u	2.0m	200uΔ		5C	MP327	
67	PVSN10NC-A	10	20m%	20m%	30	5.0	560m	2.0m	5.0m		100u	2.8	100u	2.0m	500u		5B	MP326	
68	PVSN10ND	10	20m%	20m%	30	5.0	560m	2.0m	100m		100u	2.8	300u	2.0m	2.0m		5B	MP327	
69	LM341P10	10	4.0%	4.0%	35		*	200m			13	200m§	495m	200mΔ	72 †		07	F199a	
70	LM342P10	10	4.0%	4.0%	35		*	200m			12	200m§	199m	200mΔ	36		07	F151	
71	LM7810CK	10	4.0%	4.0%	35		*	1.0	16m†		1.2m†	6.0	50m§	100mΔ	55		07	CN79	
72	LM7810CT	10	4.0%	4.0%	35		*	1.0	16m†		1.2m†	6.0	50m§	100mΔ	55		07	MT3	
73	LM140LAH10	10	2.0%	2.0%	35	2.2	45m*	100m	200m†		2.0%†	17	55m§	99m	70mΔ	50	5C	F148	
74	LM240LAH10	10	2.0%	2.0%	35	2.2	45m*	100m	200m†		2.0%†	17	55m§	99m	35mΔ	50	28	F148	
75	LM240LAZ10	10	2.0%	2.0%	35	2.2	45m*	100m	200m†		2.0%†	17	55m§	99m	35mΔ	50	28	F148	
76	LM340LAH10	10	2.0%	2.0%	35	2.2	45m*	100m	200m†		2.0%†	17	55m§	99m	70mΔ	50	07	F148	
77	LM340LAZ10	10	2.0%	2.0%	35	2.2	45m*	100m	200m†		2.0%†	17	55m§	99m	70mΔ	50	07	F148	
78	LM320MLP10	10	4.0%	4.0%	35		7.5 *	250m			13	30m§	249m	100mΔ	58		07	F201a	
79																			

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V
(3)MAX POWER DISSIPATION (4)TYPE No.

LINE No.	TYPE No.	NOM. VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE (V)		MAX. INPUT LINE VOLT (V)	MIN. IN/OUT DIFF. (ΔV)	MAX. POWER DISS. @25°C (W)	MAX. LOAD CUR. (A)	MAX. OUTPUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX. LINE CHG. (ΔV)	MAX. LINE REG. (%)	MAX. OUTPUT CHG. (%)	LOAD REG. CUR. CHG. (ΔA)	OUT. VOLT. CHG. (%)	MIN. RIPPL. REJ. (dB)	MAX. TRANSIENT RECOVERY @LINE CHG. (s)	MAX. RECOVERY @LOAD CHG. (s)	T C E O M D P E +	DRAWINGS CKT.	OUT. LINE Δ-MO		
			LOW	HIGH																			
1	PC513H	12			28		500m		1.0	200m	1.0	1.0	100m	250m	30				5C	F019	FP7		
2	VRN12	12	↓		28		28		1.0	300m			100m	300m	46				5F	F029	FP8		
3	VRP12	12			28		28		1.0	300m			100m	300m	46				5F	F028	FP8		
4	829CE	12		6.2 %	6.2 %	30	30			100m		2.0	18m	49m	30mΔ				6A	F135	TO39		
5	LM226H	12	↓	1.6 %	1.6 %	30	2.0			100m		15	10m	50m	10mΔ				28	F149	CN10p		
6	LM227H	12	↓	5.0 *		30	2.0			100m		15	15m	50m	10mΔ				28	F149	CN10p		
7	LM326N	12	↓	4.1 %	4.1 %	30	2.0	1.0		100m		15	10m	50m	10mΔ				07	F149	14-4n		
8	LM327N	12	↓	5.0 *		30	2.0	1.0		100m		15	15m	50m	10mΔ				07	F149	14-4n		
9	851V12	12	↓	1.0 %	1.0 %	30	4.0	1.6		500m			50mΔ	500m	50m				5C		MP34b		
10	801V12	12	↓	1.0 %	1.0 %	30	4.0	1.8		500m			50mΔ	500m	50m				5C		MP34		
11	LM326H	12	↓	4.1 %	4.1 %	30	2.0	2.0		100m		15	10m	50m	10mΔ				07	F149	CN10p		
12	LM327H	12	↓	5.0 *		30	2.0	2.0		100m		15	15m	50m	10mΔ				07	F149	CN10p		
13	LM326S	12	↓	4.1 %	4.1 %	30	2.0	5.0		100m		15	10m	50m	10mΔ				07	F149	14T7		
14	LM327S	12	↓	5.0 *		30	2.0	5.0		100m		15	15m	50m	10mΔ				07	F149	14T7		
15#	SI3121A	12				31		50		1.5	200m	1.2m	2.7	700m	225m	500m	53			Z060	MP128		
16	JANM38510/10703AXA	12		5.0 %	5.0 %	32	15 *	890m*		500m		3.0m	17	120m	495m	240mΔ	55			5C	F186	CN40	
17	JANM38510/10703AXB	12		5.0 %	5.0 %	32	15 *	890m*		500m		3.0m	17	120m	495m	240mΔ	55			5C	F186	CN40	
18	JANM38510/10703AXC	12		5.0 %	5.0 %	32	15 *	890m*		500m		3.0m	17	120m	495m	240mΔ	55			5C	F186	CN40	
19	JANM38510/10707AYA	12		5.0 %	5.0 %	32	15 *	3.6 *	1.0			3.0m	17	120m	995m	240mΔ	55			5C	F186b	TO3	
20	JANM38510/10707AYB	12		5.0 %	5.0 %	32	15 *	3.6 *	1.0			3.0m	17	120m	995m	240mΔ	55			5C	F186b	TO3	
21	JANM38510/10707AYC	12		5.0 %	5.0 %	32	15 *	3.6 *	1.0			3.0m	17	120m	995m	240mΔ	55			5C	F186b	TO3	
22	JANM38510/10707BYB	12		5.0 %	5.0 %	32	15 *	3.6 *	1.0			3.0m	17	120m	995m	240mΔ	55			5C	F186b	TO3	
23	JANM38510/10707CYB	12		5.0 %	5.0 %	32	15 *	3.6 *	1.0			3.0m	17	120m	995m	240mΔ	55			5C	F186b	TO3	
24	LM320MP12	12	↓	5.0 %	5.0 %	32	15 *	3.6 *	1.0			3.0m	17	120m	995m	240mΔ	55			5C	F186b	TO3	
25	78M12BE	12		4.1 %	4.1 %	32	2.5 *	7.5 *		500m		17	24m	495m	100mΔ	55			0C	F152a	Y202a		
26	78M12CE	12				35	2.0 *			200m		15	10m	495m	50mΔ	71 ↑			5C	F125	TO39		
27#	L7812CY	12				35				200m	18m↑	1.0m↑	15	10m	495m	50mΔ	71 ↑			08	F220	Y220	
28	LM342P12	12		4.1 %	4.1 %	35				200m		15	240m	199m	240mΔ	36			07	F151	MT4		
29	LM7812CK	12		4.2 %	4.2 %	35		1.0		18m↑	1.5m↑	6.0	60m	995m	120mΔ	55			07	F150	CN79		
30	LM7812CT	12		4.2 %	4.2 %	35		1.0		18m↑	1.5m↑	6.0	60m	995m	120mΔ	55			07	F150	MT3		
31	LM7912CK	12	↓	4.2 %	4.2 %	35		1.5		800u↑	15	80m	1.4	200mΔ	54			07	F152	CN79			
32	LM7912CT	12	↓	4.2 %	4.2 %	35		1.5		800u↑	15	80m	1.4	200mΔ	54			07	F152	MT3			
33#	SL78L12	12		12	12	35	8.0 *			200m	100m↑	700u↑	60m	2.1 ↓	200m	120mΔ	46			08		TO39	
34	uA78M12U1C	12		11	12	35	1.1 *			39m		1.0m↑	16	8.3mΔ	495m	0.2uΔ	55			07	F165a	MT24a	
35	LM1240LAH12	12		2.1 %	2.1 %	35	2.2	54m*		100m	200m↑	2.0 %↑	15	65m	99m	80mΔ	47			5C	F148	CN40	
36	LM240LAH12	12		2.1 %	2.1 %	35	2.2	54m*		100m	200m↑	2.0 %↑	15	65m	99m	40mΔ	47			28	F148	MT3	
37	LM240LAZ12	12		2.1 %	2.1 %	35	2.2	54m*		100m	200m↑	2.0 %↑	15	65m	99m	40mΔ	47			28	F148	MP573	
38	LM340LAH12	12		2.1 %	2.1 %	35	2.2	54m*		100m	200m↑	2.0 %↑	15	65m	99m	80mΔ	47			07	F148	CN40	
39	LM340LAZ12	12		2.1 %	2.1 %	35	2.2	54m*		100m	200m↑	2.0 %↑	15	65m	99m	80mΔ	47			07	F148	MP573	
40	LM320LZ12	12	↓	4.2 %	4.2 %	35		600m*		100m		15	45m	99m	100mΔ	52			07	F201a	MP573		
41	MC7712CG	12		4.1 %	4.1 %	35	2.0	800m		750m		1.0m↑	15	240m	745m	240mΔ	61 ↑			0C	F125	TO39	
42	78L12HC	12		7.5 %	7.5 %	35		900m		100m		12	250m	99m	100mΔ	36			0E	F130	CN38b		
43	78L12WC	12		7.5 %	7.5 %	35		900m		100m		12	250m	99m	100mΔ	36			0E	F130	TO92		
44	LM120H12	12	↓	2.5 %	2.5 %	35		2.0		200m		18	10m	195m	25mΔ				5C	F108	CN38d		
45	LM220H12	12	↓	2.5 %	2.5 %	35		2.0		200m		18	10m	195m	25mΔ				2F	F109	CN38d		
46	LM320H12	12	↓	3.3 %	3.3 %	35		2.0		200m		18	20m	195m	40mΔ				0C	F109	CN38d		
47	MC7712CP	12		4.1 %	4.1 %	35	2.0	2.0		750m		75m↑	1.0m↑	15	100m	495m	240mΔ	80 ↑			0C	F091	MT1
48	MC7712CP	12		4.1 %	4.1 %	35	2.0	2.0		750m		75m↑	1.0m↑	15	120m	745m	240mΔ	61 ↑			08	F125	MT1
49	MC7712CT	12		4.1 %	4.1 %	35	2.0	2.0		750m		75m↑	1.0m↑	15	120m	745m	240mΔ	61 ↑			0C	F125a	Y220b
50	MC7812CP	12		4.0 %	4.0 %	35	2.0	2.0		1.5		75m↑	1.0m↑	15	120m	1.0m	24mΔ	61 ↑			0C	F091	MT1
51	MC7912CP	12	↓	4.1 %	4.1 %	35	2.0	2.0		1.5		75m↑	1.0m↑	15	120m	1.5	240mΔ	61 ↑			0C	F116	MT1
52	843V12	12	↓	12	20	35	3.5	3.0		300m	1.5m	1.0mΔ	15	5.0mΔ	300m	5.0m	48			5C	F124	CN2e	
53	844V12*	12	↓	12	20	35	3.5	3.0		300m	2.5m	1.0mΔ	15	5.0mΔ	300m	5.0m	70			5C	F073	CN2e	
54	78M12HC	12		4.1 %	4.1 %	35	2.0	5.0		700m		1.0m↑	15	100m	495m	240mΔ	55			08	F110	TO39	
55	78M12UC	12		4.1 %	4.1 %	35	2.0	5.0		700m		1.0m↑	15	100m	495m	240mΔ	55			08	F110	Y220b	
56	uA79M12UC	12				35	1.1	5.0		750m		800u↑	10	500m	500m	2.0	54						
57	LM320MLP12	12	↓	4.2 %	4.2 %	35		7.5 *		250m		15	40m	249m	120mΔ	54 ↑				07	F201a	MT4	
58	LM341P12	12		4.1 %	4.1 %	35		7.5 *		500m		15	240m	495m	240mΔ	71 ↑				07	F199a	MT4	
59	uA78C12U1C	12		4.1 %	4.1 %	35	5.0	7.5 *		500m		10	50m	455m	120mΔ	54 ↑				0C	F185	MT24	
60	7812KC	12		4.1 %	4.1 %	35	2.0	15		2.2	18m↑	1.0m↑	15	240m	1.5	120mΔ	55			08		TO3	
61	7812KM	12		4.1 %	4.1 %	35	2.0	15		2.2	18m↑	1.0m↑	15	120m	1.5	120mΔ	61			5C		TO3	
62	7812UC	12		4.1 %	4.1 %	35	2.0	15		2.2	18m↑	1.0m↑	15	240m	1.5	120mΔ	55			08		Y220b	
63	LM320T12	12	↓	4.1 %	4.1 %	35		15		1.0		17	24m	995m	120mΔ	55			0C	F152a	MT3		
64	LM340AT12	12		2.1 %	2.1 %	35		15 *		1.0	18m↑	1.5m↑	6.0	30m	995m	60mΔ	61			07	F199	MT3	
65	LM340T12	12		4.2 %	4.2 %	35		15 *		1.0	18m↑	1.5m↑	6.0	60m	995m	120mΔ	55			07	F199	MT3	
66	PMC15K12	12		5.0 %	5.0 %	35	2.3 *	15		1.5		30mΔ	10	2.0	1.5	600m	54			5F	F110	TO3	
67	PMC18K12	12	↓	5.0 %	5.0 %	35	2.0 *	15		1.5		30mΔ	10	2.0	1.5	600m	53			5F	F136	TO3	
68	LM120K12	12	↓	2.5 %	2.5 %	35		20		1.0		18	10m	995m	80mΔ	61				5C	F109	TO3	
69	LM140AK12	12		2.1 %	2.1 %	35		20 *		1.0	18m↑	1.5m↑	6.0	30m	995m	60mΔ	61			5C	F199	CN48a	
70	LM140K12	12		4.2 %	4.2 %	35		20 *		1.0	18m↑	1.5m↑	6.0	60m	995m	120mΔ	61			5C	F199	CN48a	
71	LM220K12	12	↓	2.5 %	2.5 %																		

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V (3)MAX POWER DISSIPATION (4)TYPE No.

LINEAR

LINE No.	TYPE No.	NOM. VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE (V)		2 MAX. MIN. INPUT LINE VOLT (V)	3 MAX. POWER DISS. @ 25°C (W)	MAX. LOAD CUR. (A)	MAX. OUTPUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX. LINE CHG. (ΔV)	MAX. OUTPUT VOLT. CHG. (%)	MAX. LOAD REG. CUR. CHG. (ΔA)	MAX. LOAD OUT. VOLT. CHG. (%)	MIN. RIPPL. REJ. (dB)	MAX. TRANSIENT RECOVERY @ LINE CHG. (s)	MAX. TRANSIENT RECOVERY @ LOAD CHG. (s)	T C E O	DRAWINGS	
			LOW	HIGH															MIN. IN DIFF. (ΔV)
1	MN211	14	8.0	20	30	4.0	400m	50m	5.0mΔ	1.0mΔ	2.0mΔ	2.0mΔ	92 †			5C	F089	FP7e	
2	MN212	14	8.0	20	30	4.0	400m	50m	5.0mΔ	1.0mΔ	2.0mΔ	2.0mΔ	92 †			5C	F089	FP7e	
3	MC1567G	14	14	15	30	2.2	800m	200m	5.0mΔ	6.0mΔ	800uΔ	800uΔ	92 †			5C	F084	CN10b	
4	MC1567R	14	14	15	30	2.2	2.4	200m	40m†	6.0mΔ	800uΔ	800uΔ	92 †			5C	F084	CN30	
5	WC330R	14	1.0	27	30	3.0	5.0	2.0	2.0m†	2.0	1.0	2.0	65 †			07			
6	LM305D	14	4.5	30	40	3.0	500m	12m		60mΔ	12m	50m		5.0u	5.0u	07	F003	14-21	
7	MI42070-145	14	7.1m%	7.1m%	40	6.0	80	5.0	50m%	20m	100m	60mΔ	60			07	F173	TO3	
8	A802	15	10m%	10m%	20	2.0		5.0m	10m	8.0	3.0	50mΔ	26			07	F107	MP5ce	
9	A803	15	10m%	10m%	20	2.0		5.0m	10m	8.0	3.0	50mΔ	26			07	F107	MP5ce	
10	2103	15	13	17	25	1.5	300m	50m	1.0 %	3.0	100m§	50m	50mΔ	26		0A	F037	TO77	
11	2104	15	13	17	25	1.5	300m	50m	1.0 %	3.0	100m§	50m	50mΔ	26		0A	F038	TO12	
12	2105	15	13	17	25	1.5	300m	50m	1.0 %	3.0	100m§	50m	50mΔ	26		07	F038a	TO105	
13	SG3501T	15	8.0	23	25	2.0	680m	100m	3.0m†	33	67m	50m	10mΔ			07	F076	TO100	
14#	TBA325C	15			27	17 *		400m	27m†	3.0m†	500m	1.0	46			07	F078	TO3	
15	830CE	15	5.0 %	5.0 %	30	3.0			2.0	25m§	49m	40mΔ				6A	F135	TO39	
16	LM225H	15	1.3 %	1.3 %	30	2.0		100m		12	10m§	50m	10mΔ			28	F149	CN10p	
17	R155	15	12	18	30	24 *		25m		20mΔ	5.0m	5.0m				28	F149	CN10p	
18	XR1468CP	15	14	20	30	2.0		100m		1.0 %	12	10m§	50m	10mΔ		07	F098b	14-26	
19	RM4195DN	15	1.3 %	1.3 %	30	3.0	800m	100m	15mΔ	12	20m	100m	30mΔ	75		5C	F104	8-4	
20	SG1501T	15	8.0	23	30	2.0	680m	100m		43	67m	50m	10mΔ			5C	F076	TO100	
21	SG2501T	15	8.0	23	30	2.0	680m	100m		43	67m	50m	10mΔ			5C	F076	TO100	
22	T2002J	15	3.0	27	30	2.5	800m	200m		1.0	100m	100m		34	100n	100n	07		TO116
23	T2002V	15	3.0	27	30	2.5	800m	200m		1.0	100m	100m		34	100n	100n	07		TO100
24	XR4195CT	15	14	15	30	3.0	800m	100m	15mΔ	20m		30m	75 †			07	F172a	TO99	
25	601Δ	15	9.0	21	30	4.0	900m	100m	8.0m	20	10m	100m	10m	68		28	F172b	MP191	
26	XR4195MK	15	14	15	30	3.0	2.4	150m	20m	15mΔ	20m	30m	75 †			28	F172b	CN21	
27	LM325AS	15	1.3 %	1.3 %	30	2.0	5.0	100m		12	10m§	50m	10mΔ			07	F149	14T7	
28	LM325S	15	3.3 %	3.3 %	30	2.0	5.0	100m		12	10m§	50m	10mΔ			07	F149	14T7	
29	TVR2002	15	3.0	27	30	2.5	800	200m		1.0	100m	100		34	100m	100m	07		TO100
30	1515-25*	15			32			200m		20uΔ		1.0				07		MP2n	
31	78M15BE	15			35	2.0 *		200m		12	11m†	495m	60mΔ	70 †		5C	F125	TO39	
32	78M15CE	15			35	2.0 *		200m		12	11m†	495m	60mΔ	70 †		5C	F125	TO39	
33#	L7815CY	15			35			200m	19m†	1.0m†	150m	300mΔ				5F	F220	Y220	
34	LM342P15	15	4.0 %	4.0 %	35			200m		12	300m§	199m	300mΔ	32		07	F151	MT4	
35	LM7815CK	15	4.0 %	4.0 %	35			1.0	19m†	1.8m†	6.0	75m	995m	150mΔ	54		07	F150	CN79
36	LM7815CT	15	4.0 %	4.0 %	35			1.0	19m†	1.8m†	6.0	75m	995m	150mΔ	54		07	F150	MT3
37	LM7915CK	15	4.0 %	4.0 %	35			1.5	1.0m†	1.2	100m	1.4	200mΔ	54		07	F152	CN79	
38	LM7915CT	15	4.0 %	4.0 %	35			1.5	1.0m†	1.2	100m	1.4	200mΔ	54		07	F152	MT3	
39#	SL78L15	15	15	14	35	9.0 *		200m	100m†	900u†	75m	2.6 †	200m	150mΔ	46		08		TO39
40	LM140LAH15	15	2.0 %	2.0 %	35	2.3	67m*	100m	200m†	2.0 %†	12	70m§	99m	100mΔ	45		5C	F148	CN40
41	LM240LAH15	15	2.0 %	2.0 %	35	2.3	67m*	100m	200m†	2.0 %†	12	70m§	99m	50mΔ	45		28	F148	CN40
42	LM240LAZ15	15	2.0 %	2.0 %	35	2.3	67m*	100m	200m†	2.0 %†	12	70m§	99m	50mΔ	45		28	F148	MP573
43	LM340LAH15	15	2.0 %	2.0 %	35	2.3	67m*	100m	200m†	2.0 %†	12	70m§	99m	100mΔ	45		07	F148	CN40
44	LM340LAZ15	15	2.0 %	2.0 %	35	2.3	67m*	100m	200m†	2.0 %†	12	70m§	99m	100mΔ	45		07	F148	MP573
45	CMC513-1	15	14	16	35	1.5	300m		2.0m	90m	10	50m	300m	36		07	F007	CN11	
46	CMC513-3	15	14	16	35	1.5	300m		2.0m	90m	10	50m	300m	36		07	F008	CN15	
47	CMC513	15	15	16	35	1.5	500m		1.0m	80m	10	50m	200m	36		5C	F007	CN11	
48	CMC513-2	15	15	16	35	1.5	500m		1.0m	80m	10	50m	200m	36		5C	F008	CN15	
49	CMC513-4	15	14	16	35	1.5	500m		2.0m	90m	10	50m	300m	36		07	F009	CN12	
50	LM320LZ15	15	4.0 %	4.0 %	35	2.0	600m*	100m		12	45m§	99m	125mΔ	50		07	F201a	MP573	
51	MC7715CG	15	4.0 %	4.0 %	35	2.0	800m	750m		1.0m†	12	300m§	745m	300mΔ	60 †		0C	F125	TO39
52	JANM38510/10704AXA	15	5.0 %	5.0 %	35	3.5	890m*	500m		3.8m	17	150m§	495m	300mΔ	53		5C	F186	CN40
53	JANM38510/10704AXB	15	5.0 %	5.0 %	35	3.5	890m*	500m		3.8m	17	150m§	495m	300mΔ	53		5C	F186	CN40
54	JANM38510/10704AXC	15	5.0 %	5.0 %	35	3.5	890m*	500m		3.8m	17	150m§	495m	300mΔ	53		5C	F186	CN40
55	78L15HC	15	8.0 %	8.0 %	35		900m	100m		12	300m§	99m	150mΔ	33		0E	F130	CN38b	
56	78L15WC	15	8.0 %	8.0 %	35		900m	100m		12	300m§	99m	150mΔ	33		0E	F130	TO92	
57	MC78M15CP	15	4.0 %	4.0 %	35	2.0	2.0		1.0m†	12	100m§	495m	150mΔ	70 †		0C	F091	MT1	
58	MC7715CP	15	4.0 %	4.0 %	35	2.0	2.0	750m	95m†	1.0m†	12	150m§	745m	300mΔ	60 †		0C	F125	MT1
59	MC7715CT	15	4.0 %	4.0 %	35	2.0	2.0	750m	95m†	1.0m†	12	300m§	745m	300mΔ	60 †		0C	F125a	Y220b
60	MC7815CP	15	4.0 %	4.0 %	35	2.0	2.0	1.0	95m†	1.0m†	12	150m§	1.0m	300mΔ	60 †		0C	F091	MT1
61	MC7915CP	15	4.0 %	4.0 %	35	2.0	2.0	1.0	1.0m†	12	150m§	1.5	300mΔ	60 †		0C	F118	MT1	
62	843V15	15	12	20	35	3.5	3.0	300m	2.0m	1.0mΔ	5.0mΔ	300m	5.0m	46		5C	F124	CN2e	
63	844V15*	15	12	20	35	3.5	3.0	300m	2.5m	1.0mΔ	5.0mΔ	300m	5.0m	70		5C	F073	CN2e	
64	JANM38510/10708AYA	15	5.0 %	5.0 %	35	3.5	3.6 *	1.0		3.8m	17	150m§	995m	300mΔ	53		5C	F186b	TO3
65	JANM38510/10708AYB	15	5.0 %	5.0 %	35	3.5	3.6 *	1.0		3.8m	17	150m§	995m	300mΔ	53		5C	F186b	TO3
66	JANM38510/10708AYC	15	5.0 %	5.0 %	35	3.5	3.6 *	1.0		3.8m	17	150m§	995m	300mΔ	53		5C	F186b	TO3
67	JANM38510/10708BYB	15	5.0 %	5.0 %	35	3.5	3.6 *	1.0		3.8m	17	150m§	995m	300mΔ	53		5C	F186b	TO3
68	JANM38510/10708CYB	15	5.0 %	5.0 %	35	3.5	3.6 *	1.0		3.8m	17	150m§	995m	300mΔ	53		5C	F186b	TO3
69	78M15HC	15	4.0 %	4.0 %	35	2.0	5.0	700m		1.0m†	12	100m§	495m	150mΔ	54		5C	F186b	TO3
70	78M15UC	15	4.0 %	4.0 %	35	2.0	5.0	700m		1.0m†	12	100m§	495m	150mΔ	54		08	F110	Y220b
71	uA78M15UC	15	4.0 %	4.0 %	35	1.1	5.0	750m		800u†	10	800m	500m	2.0	54		07	F201a	MT4
72	LM320MLP15	15	4.0 %	4.0 %	35	2.5	7.5 *	250m		12	40m§	249m	150mΔ	54		0C	F152a	Y202a	
73	LM320MP15	15	4.0 %	4.0 %	35	2.5	7.5 *	500m		17	30m§	495m	100mΔ	56		0C	F152a	Y202a	
74	LM341P15	15	4.0 %	4.0 %	35		7.5 *	500m		12	300m§	495m	300mΔ	69 †		07	F199a	MT4	
75	uA78C15U1C	15	4.0 %	4.0 %	35	5.0	7.5 *	500m		10	50m§	455m	150mΔ	54 †					

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V
(3)MAX POWER DISSIPATION (4)TYPE No.

LINEAR

LINE No.	TYPE No.	NOM. VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE (V)		MAX. INPUT LINE VOLT (V)	MAX. IN/OUT DIFF. (ΔV)	MAX. LOAD CUR. (A)	MAX. OUTPUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX. LINE VOLT. CHG. (ΔV)	MAX. OUTPUT VOLT. CHG. (%)	LOAD REG. CHG. (ΔA)	LOAD REG. CHG. (%)	MIN. RIPPL. REJ. (dB)	RECOVERY @ LINE CHG. (s)	RECOVERY @ LOAD CHG. (s)	E O P E	DRAWINGS	OUT- LINE Δ = MO
			LOW (V)	HIGH (V)															
1	226A	15	8.0	37	40	2.5	1.8	200m	100m	2.0m	28	10m	90m	10m	78		5H	CN2	
2	226B	15	8.0	37	40	2.5	1.8	200m	100m	2.0m	28	10m	90m	10m	76		5H	CN2	
3	J20-15	15			40	5.0	1.8	1.0m	1.0m	2.0	5.0m	1.0	5.0m	94		5C	MP34a		
4	LM120H15	15	2.0%	2.0%	40		2.0	200m		18	10m	195m	25mΔ			5C	F109	CN38d	
5	LM220H15	15	2.0%	2.0%	40		2.0	200m		18	10m	195m	25mΔ			2F	F109	CN38d	
6	LM320H15	15	2.6%	2.6%	40		2.0	200m		18	10m	195m	40mΔ			5C	F109	CN38d	
7	VR1000	15	3.0	36	40	3.5	2.0	250m	500m	10mΔ	1.0	800u	1.0m	7.0uΔ	60		5C	MP314	
8	VR2000	15	3.0	36	40	4.5	2.0	250m	500m	10mΔ	1.0	800u	1.0m	7.0 Δ	60		5C	MP314	
9	VR2150	15	9.0	36	40	3.0	2.0	500m	50m	1.5m	1.0	6.0m	125m	40m	75		5C	14-3b	
10	RE15D100	15			40	1.0	3.0	100m	100m	3.0m	1.0	10m	100m	10m	80 ↑		27	MP275	
11#	101N15	15			40	3.0	6.5	3.0		12m	1.0	600m	1.5	2.0	20		08	F095	MP295
12#	101P15	15			40	3.0	6.5	3.0		12m	1.0	600m	1.5	2.0	20		08	F095	MP295
13	PMC15K15	15	5.0%	5.0%	40	2.3 *	15	1.5		30mΔ	10	2.0	1.5	600m	53		5F	F110	TO3
14	PMC18K15	15	5.0%	5.0%	40	2.0 *	15	1.5		30mΔ	10	2.0	1.5	600m	52		5F	F136	TO3
15	LM120K15	15	2.0%	2.0%	40		2.0	1.0		18	10m	995m	80mΔ			5C	F109	TO3	
16	LM220K15	15	2.0%	2.0%	40		2.0	1.0		18	10m	995m	80mΔ			2F	F109	CN48a	
17	LM320K15	15	2.6%	2.6%	40		2.0	1.0		18	20m	995m	80mΔ			0C	F109	CN48a	
18	LM320KC15	15	2.6%	2.6%	40		2.0 *	1.0		18	20m	995m	80mΔ	56		0C	F152a	CN79	
19	VR03-15AA	15			40	3.5	70	5.0		15mΔ	45m	10m	5.0	200m	60		5C	F101	MP313
20	VR03-15AB	15			40	3.5	70	5.0		15mΔ	45m	10m	5.0	200m	60		5C	F101	MP313
21	M142070-155	15	13 66m%	16 66m%	40	6.0	80	5.0		50m%†	20m	100m	60mΔ	60		07	F173	TO3	
22	828AV15	15	500m%	500m%	45	3.5	1.5	500m		1.0	10m	450m	10m			5C			
23	838AV15	15	500m%	500m%	45	3.5	1.5	500m		1.0	10m	450m	10m			5C			
24	CTS873*	15	8.0	36	48	4.0	500m	100m	500m	5.0mΔ	3.0	200mΔ	100m	50		5C	F040	CN2b	
25	9641-101	15	1.4	16	56	2.0m	1.2	25m	1.0	30 Δ	25m	29 ↑				28	MP108		
26	CMC300	16	2.0	30	35	3.0	300m	25m		2.0 %	12m	500m	4.0	3.0u	3.0u	07	F065	CN7e	
27	XR4194CK	16	50m	32	35	3.0	3.0	250m	80k	15mΔ	100m	4.0	70 ↑			0C	F171	CN2j	
28	SH1605	16	3.0	30	35	5.0	20	5.0		6.0	50m	4.0	50mΔ		5.0u	0E	F210	CN22h	
29	79MGT1C	16	2.2	30	40	5.0		500m		400u	12	750m	495m	1.0	50	0C	F140	MP552	
30	79MGT2C	16	2.2	30	40	5.0		500m		400u	12	750m	495m	1.0	50	0C	F140	MP553	
31	79MGT3C	16	2.2	30	40	5.0		500m		400u	12	750m	495m	1.0	50	0C	F140	MP554	
32#	L200	16	3.0	30	40	2.5		1.8		100m	10	100m	1.5	100m	75	2.0u	0E	F181	MT14
33	uA79MGT2C	16	2.2	30	40	4.5 *		500m		300u	17	1.0	495m	1.0	50	0E	F140	MP553	
34	CMC200	16	2.0	30	40	3.0	400m	25m		1.0 %	200mΔ	12m	500m	3.0u	3.0u	28	F065	CN1c	
35	LA200-M	16	2.0	30	40	3.0	400m	25m			32	200mΔ	12m	500m	4.0u	3.0u	5E	F001	MP2j
36	LA200F	16	2.0	30	40	3.0	400m	25m			32	200mΔ	12m	500m	4.0u	3.0u	5E	F001	TO91
37	LA200G	16	2.0	30	40	3.0	400m	25m			32	200mΔ	12m	500m	4.0u	3.0u	07	F001	CN1c
38	LA200H	16	2.0	30	40	3.0	400m	25m		1.0m%	32	200mΔ	12m	500m	4.0u	3.0u	07	F001	CN1a
39	LM300	16	2.0	30	40	3.0	400m	25m			32	200m	2.0m	2.0	3.0u	3.0u	07	F001	CN7
40#	MT200F	16	2.0	30	40	3.0	400m	3.0m		5.0	200mΔ	12m	500m			28	F001	FP18	
41#	MT200M	16	2.0	30	40	3.0	400m	3.0m		5.0	200mΔ	12m	500m			28	F001	CN1c	
42	SG100N	16	2.0	30	40	3.0	400m	40m		1.0 %	200mΔ	12m	500m		3.0u	3.0u	5C	F001	14-4a
43	CMC100	16	2.0	30	40	3.0	500m	25m		1.0 %	200mΔ	12m	500m		3.0u	3.0u	5H	F065	CN1c
44	LA100-M	16	2.0	30	40	3.0	500m	25m			32	200mΔ	12m	500m	4.0u	3.0u	5E	F001	MP2j
45	LA100F	16	2.0	30	40	3.0	500m	25m			32	200mΔ	12m	500m	4.0u	3.0u	5E	F001	TO91
46	LA100G	16	2.0	30	40	3.0	500m	25m			32	200mΔ	12m	500m	4.0u	3.0u	5E	F001	CN1c
47	LA100H	16	2.0	30	40	3.0	500m	25m		1.0 %	32	200mΔ	12m	500m	4.0u	3.0u	5E	F001	CN1c
48#	MT100F	16	2.0	30	40	3.0	500m	3.0m		1.0 %	200mΔ	12m	500m			5E	F001	FP18	
49#	MT100M	16	2.0	30	40	3.0	500m	3.0m		1.0 %	200mΔ	12m	500m			5E	F001	CN1c	
50#	MIC723-1C	16	2.0	37	40	3.0	800m	150m		2.0uΔ	2.8	200m	49m	600m	74 ↑		5C	F030	CN17d
51	809	16	5.0	38	40	3.0	1.6	750m	1.0	11m	300m	1.0m	3.0m			5C			
52	M142070-165	16	62m%	62m%	40	6.0	80	5.0		50m%†	20m	100m	60mΔ	60		0C	F173	TO3	
53	LM150K	17	1.2	33				3.0		32	50mΔ	2.9	1.0	66		5E	F178c	CN48a	
54	LM250K	17	1.2	33				3.0		32	50mΔ	2.9	1.0	66		5E	F178c	CN48a	
55	LM350K	17	1.2	33				3.0		32	50mΔ	2.9	1.5	66		07	F178c	CN48a	
56#	MC199Y	17	2.5	32	35	9.0 *	3.3	600m	120m	10mΔ	10	30m	50m	170mΔ	54 ↑		27	DO22	MT4
57	uA78C17U1C	17	4.1%	4.1%	35	9.0 *	7.5 *	500m		10	50m	455m	170mΔ			07	F185	MT4	
58	MPC900	17	4.0	30	35	3.5	100	10		15mΔ	23	500m	4.9	100m		5C	F126	CN52	
59	MCB1723F	17	2.0	37	40	3.0	3.0	3.0		28	200m	49m	150m	74 ↑		5C	F099a	TO86	
60	MCBC1723	17	2.0	37	40	3.0	3.0	3.0		28	200m	49m	150m	74 ↑		5C	F099	CN15	
61	uA78MGT2C	17	5.0	30	40	3.0		500m		500u†	17	1.0	495m	1.0	62	0E	F109	MP553	
62	RC105BL	17	4.5	30	40	3.0	400m	500m			60m	12m	50m	90 ↑		07	F129	CH26	
63#	MT305	17	4.5	30	40	3.0	500m			1.0 %	60m	12m	50m	53		07	F003	CN1c	
64#	TBA352	17	1.8	34	40		630m	115m	300m	2.5mΔ	28	200m	49m	150m	74 ↑		5C	F060	AO02AL
65	SN52723FA	17	2.0	37	40	3.0	650m	150m			28	500m	49m	200m	74 ↑		0C	G030	FP2t
66	SN72723FA	17	2.0	37	40	3.0	650m	150m			28	500m	49m	200m	74 ↑		07	G030	FP2t
67	LM305L	17	4.5	30	40	3.0	800m	12m			28	60mΔ	12m	100m		07	F003	CN1k	
68	LM378L	17	5.0	37	40	3.0	800m	25m			28	100mΔ	25m	500m		07	F003	CN1k	
69	MIC723-5C	17	2.0	37	40	3.0	800m	150m	50m	1.0m%	28	5.0	49m	600m	86 ↑	5.0u†	07	F003	CN17d
70	LM117KA	17	1.2	37	40		3.5	1.5			50mΔ	1.4	500m	66		5C	F166	TO3	
71	LM217KA	17	1.2	37	40		3.5	1.5			50mΔ	1.4	300m	66		2F	F166	TO3	
72#	SI3500M	17	9.0	25	40	4.0	30	1.5		2.5m	2.0	100m	150m	300m	60		07	F087	MP219a
73#	LM105AL	17	4.5	40	50	3.0	800m	12m			10	30mΔ	12m	50m		5C	F003	TO99	
74	LM105L	17	4.5	40	50	3.0	800m	12m			10	60mΔ	12m	100m		5C	F003	CN1k	
75	LM305AL	17	4.5	40	50	3.0	800m	45m			10	60mΔ	45m	400m		07	F003	CN1k	
76	NE550G	17	2.0	37	50	3.0	800m	150m		100m%	30	150mΔ	50m	150mΔ	74		07	F109	TO91
77	SE550G	17	2.0	37	50	3.0	800m	150m		100m%	30	150mΔ	50m	150mΔ	74		5C	TO91	
78#	STK502	18	17	18				3.0	15m†	1.0m†	30	150mΔ	50m	150mΔ			3C	F119	MP422
79	BN4103	18				22 *	15	1.0											

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V
(3)MAX POWER DISSIPATION (4)TYPE No.

LINEAR

LINE No.	TYPE No.	1 NOM. VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE (V)		2 MAX. INPUT LINE VOLT (V)	MIN. IN DIFF. (ΔV)	3 MAX. POWER DISS. @25°C (W)	MAX. LOAD CUR. (A)	MAX. OUTPUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX. LINE VOLT. CHG. (ΔV)	MAX. OUTPUT VOLT. CHG. (%)	MAX. LOAD REG. CUR. CHG. (%)	MAX. LINE REG. RIPPL. REJ. (dB)	MAX. TRANSIENT RECOVERY		T C E O M D P E	DRAWINGS	
			LOW (V)	HIGH (V)											@LINE CHG. (s)	@LOAD CHG. (s)			CKT.
1	7818KC	18	3.8	3.8	35	2.0	15	2.1	22mΩ	1.0mV	12	360mΔ	1.5	360mΔ	53		08	Y220b	
2	7818KM	18	3.8	3.8	35	2.0	15	2.0	22mΩ	1.0mV	12	180mΔ	1.5	180mΔ	59		5C	T03	
3	7818UC	18	3.8	3.8	35	2.0	15	2.1	22mΩ	1.0mV	12	360mΔ	1.5	360mΔ	53		08	Y220b	
4	LM320T18	18	3.9	3.9	35		15	1.0			14	36mΔ	995m	120mΔ		0C	F152a		
5	LM340AT18	18	2.0	2.0	35		15 *	1.0	22mΩ	2.3mV	6.0	45mΔ	995m	90mΔ	59	07	F199		
6	LM340T18	18	3.9	3.9	35		15 *	1.0	22mΩ	2.3mV	6.0	90mΔ	995m	180mΔ	53	07	F199		
7	LM120K18	18	2.2	2.2	35	2.5	20 *	1.0			15	12mΔ	995m	80mΔ	54	5F	F152a		
8	LM140AK18	18	2.0	2.0	35		20 *	1.0	22mΩ	2.3mV	6.0	45mΔ	995m	90mΔ	59	5C	F199		
9	LM140K18	18	3.9	3.9	35		20 *	1.0	22mΩ	2.3mV	6.0	90mΔ	995m	180mΔ	59	5C	F199		
10	LM220K18	18	2.2	2.2	35	2.5	20 *	1.0			15	12mΔ	995m	80mΔ	54	2F	F152a		
11	LM320K18	18	3.3	3.3	35	2.5	20 *	1.0			15	24mΔ	995m	80mΔ	75 ↑	0C	F152a		
12	LM340AK18	18	2.0	2.0	35		20 *	1.0	22mΩ	2.3mV	6.0	45mΔ	995m	90mΔ	59	07	F199		
13	LM340AKC18	18	2.0	2.0	35		20 *	1.0	22mΩ	2.3mV	6.0	45mΔ	995m	90mΔ	59	07	F199		
14	LM340K18	18	3.9	3.9	35		20 *	1.0	22mΩ	2.3mV	6.0	90mΔ	995m	180mΔ	53	07	F199		
15	LM340KC18	18	3.9	3.9	35		20 *	1.0	22mΩ	2.3mV	6.0	90mΔ	995m	180mΔ	53	07	F199		
16	GEL265S1	18	3.0	34	37	3.0	5.0	1.2	5.0	670u	5.0	1.0	400m	1.0		5C	F063		
17	CMC305	18	4.5	30	40	3.0	500mΔ	25m		1.0	20	60mΔ	12m	50m	50	5C	F065		
18	PH5203	18	7.0	30	40	5.0	750m	200m	100m	1.0mV	20	240m	50m	60	800nV	800nV	07	MP100	
19	SN72418L	18	10	10	40	3.0	800m	150m	100mV	15mΔ	15	500m	49m	600m	70 ↑	5.0uV	5.0uV	07	T099
20	SN72418P	18	10	10	40	3.0	800m	150m	100mV	15mΔ	15	500m	49m	600m	70 ↑	5.0uV	5.0uV	07	8-3
21	VR1180	18	14	36	40	2.0	1.5	250m	25m	1.8mV		40 Δ	250m	3.0mΔ	68 ↑			48	14-3b
22	809V18	18			40	2.0	1.6	1.0	1.0	60mΔ	2.3	30m*	500m	3.0 *	34	5C		MP34e	
23	859V18	18			40	2.0	1.6	1.0	1.0	60mΔ	2.3	30m*	500m	3.0 *	34	5C		MP34e	
24	J20-18	18			40	5.0	1.8	1.0	1.0m		2.3	5.0m	1.0	5.0m	94	5C	G010	MP34a	
25	VR2180	18	9.0	36	40	3.0	2.0	500m	60m	1.8m	1.0	6.0m	125m	40m	75				14-3b
26	PMC15K18	18	5.0	5.0	40	2.3 *	15	1.5		30mΔ	1.0	2.0	1.5	600m	52	5F	F110	T03	
27	PMC18K18	18	5.0	5.0	40	2.0 *	15	1.5		30mΔ	1.0	2.0	1.5	600m	51	5F	F136	T03	
28	LM320KC18	18	3.3	3.3	40		20 *	1.0			15	24mΔ	995m	80mΔ	75 ↑	0C	F152a		
29	MI42070-185	18	55m%	55m%	40	6.0	80	5.0		50mΔ	28	100m	60mΔ	60		07	F173		
30	MPC1000	18	2.0	35	40	5.0	100	10		15mΔ	28	500m	3.9	100m		5C	F127		
31#	101N18	18			43	3.0	6.5	3.0		15m	1.0	500m	1.5	1.5	20	08	F095		
32#	101P18	18			43	3.0	6.5	3.0		15m	1.0	500m	1.5	1.5	20	08	F095		
33	LM105D	18	4.5	40	50	3.0	800m	12m		5.0	60mΔ	45m	200m		5.0u	5.0u	5F	F003	
34	LM305AD	18	4.5	40	50	3.0	800m	45m		5.0	60mΔ	45m	200m		5.0u	5.0u	07	F003	
35	LM305AF	18	4.5	40	50	3.0	800m	45m		5.0	60mΔ	45m	200m		5.0u	5.0u	07	F003	
36#	STK506	19	18	19			900m	100mV	1.0mV							28	F120		
37	SH3200	19	8.5	3.0	35	4.0	780m	50m		1.8m%	10	500m	50m	500m		5C	F031		
38	SH3201	19	30	8.5	35	4.0	780m	50m		1.8m%	10	500m	50m	50m		5C	F032		
39	uA431WC	19	2.5	36	37		775m	150m	750m							07	F212		
40	uA431WV	19	2.5	36	37		775m	150m	750m							48	F212		
41	MFC4060A	19	3.6	35	38	3.0	1.0	200m		30mΔ	6.0	30mΔ	49m	200m		17	F102		
42	MFC4062A	19	3.6	35	38	3.0	1.0	200m		30mΔ	6.0	60mΔ	49m	400m		17	F102		
43	MFC6030A	19	3.6	35	38	3.0	1.0	200m		30mΔ	6.0	30mΔ	49m	200m		17	F103		
44	MFC6032A	19	3.6	35	38	3.0	1.0	200m		30mΔ	6.0	60mΔ	49m	400m		17	F103		
45	uA78CGU1C	19	8	30	40							100mΔ	80mΔ	65 ↑		07	F091		
46	JANM38510/10201AAA	19	2.0	37	40	2.5	350mΔ	85m		15mΔ	30	300m	9.0m	500m	64	5C	F079a		
47	JANM38510/10201AAB	19	2.0	37	40	2.5	350mΔ	85m		15mΔ	30	300m	9.0m	500m	64	5C	F079a		
48	JANM38510/10201AAC	19	2.0	37	40	2.5	350mΔ	85m		15mΔ	30	300m	9.0m	500m	64	5C	F079a		
49	JANM38510/10201ABA	19	2.0	37	40	2.5	350mΔ	85m		15mΔ	30	300m	9.0m	500m	64	5C	F079a		
50	JANM38510/10201ABB	19	2.0	37	40	2.5	350mΔ	85m		15mΔ	30	300m	9.0m	500m	64	5C	F079a		
51	JANM38510/10201ABC	19	2.0	37	40	2.5	350mΔ	85m		15mΔ	30	300m	9.0m	500m	64	5C	F079a		
52	JANM38510/10201ADA	19	2.0	37	40	2.5	350mΔ	85m		15mΔ	30	300m	9.0m	500m	64	5C	F079a		
53	JANM38510/10201ADB	19	2.0	37	40	2.5	350mΔ	85m		15mΔ	30	300m	9.0m	500m	64	5C	F079a		
54	JANM38510/10201ADC	19	2.0	37	40	2.5	350mΔ	85m		15mΔ	30	300m	9.0m	500m	64	5C	F079a		
55	JANM38510/10201AHA	19	2.0	37	40	2.5	350mΔ	85m		15mΔ	30	300m	9.0m	500m	64	5C	F079a		
56	JANM38510/10201AHB	19	2.0	37	40	2.5	350mΔ	85m		15mΔ	30	300m	9.0m	500m	64	5C	F079b		
57	JANM38510/10201AHC	19	2.0	37	40	2.5	350mΔ	85m		15mΔ	30	300m	9.0m	500m	64	5C	F079b		
58	JANM38510/10201AIA	19	2.0	37	40	2.5	350mΔ	85m		15mΔ	30	300m	9.0m	500m	64	5C	F079b		
59	JANM38510/10201AIB	19	2.0	37	40	2.5	350mΔ	85m		15mΔ	30	300m	9.0m	500m	64	5C	F079b		
60	JANM38510/10201AIC	19	2.0	37	40	2.5	350mΔ	85m		15mΔ	30	300m	9.0m	500m	64	5C	F079b		
61	JANM38510/10201BAA	19	2.0	37	40	2.5	350mΔ	85m		15mΔ	30	300m	9.0m	500m	64	5C	F079b		
62	JANM38510/10201BAB	19	2.0	37	40	2.5	350mΔ	85m		15mΔ	30	300m	9.0m	500m	64	5C	F079a		
63	JANM38510/10201BAC	19	2.0	37	40	2.5	350mΔ	85m		15mΔ	30	300m	9.0m	500m	64	5C	F079a		
64	JANM38510/10201BBA	19	2.0	37	40	2.5	350mΔ	85m		15mΔ	30	300m	9.0m	500m	64	5C	F079a		
65	JANM38510/10201BBB	19	2.0	37	40	2.5	350mΔ	85m		15mΔ	30	300m	9.0m	500m	64	5C	F079a		
66	JANM38510/10201BBC	19	2.0	37	40	2.5	350mΔ	85m		15mΔ	30	300m	9.0m	500m	64	5C	F079a		
67	JANM38510/10201BDA	19	2.0	37	40	2.5	350mΔ	85m		15mΔ	30	300m	9.0m	500m	64	5C	F079a		
68	JANM38510/10201BDB	19	2.0	37	40	2.5	350mΔ	85m		15mΔ	30	300m	9.0m	500m	64	5C	F079a		
69	JANM38510/10201BDC	19	2.0	37	40	2.5	350mΔ	85m		15mΔ	30	300m	9.0m	500m	64	5C	F079a		
70	JANM38510/10201BHA	19	2.0	37	40	2.5	350mΔ	85m		15mΔ	30	300m	9.0m	500m	64	5C	F079a		
71	JANM38510/10201BHB	19	2.0	37	40	2.5	350mΔ	85m		15mΔ	30	300m	9.0m	500m	64	5C	F079b		
72	JANM38510/10201BHC	19	2.0	37	40	2.5	350mΔ	85m		15mΔ	30	300m	9.0m	500m	64	5C	F079b		
73	JANM38510/10201CAA	19	2.0	37	40	2.5	350mΔ	85m		15mΔ	30	300m	9.0m	500m	64	5C	F079b		
74	JANM38510/10201CAB	19	2.0	37	40	2.5	350mΔ	85m		15mΔ	30	300m	9.0m	500m	64	5C	F079a		
75	JANM38510/10201CAC	19	2.0	37	40	2.5	350mΔ	85m		15mΔ	30	300m	9.0m	500m	64	5C	F079a		
76	JANM38510/10201CBA	19	2.0	37	40	2.5	350mΔ	85m		15mΔ	30	300m	9.0m	500m	64	5C	F079a		
77	JANM38510/10201CBB	19	2.0	37	40	2.5	350mΔ	85m		15mΔ	30	300m	9.0m	500m	64	5C	F079a		

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V
(3)MAX POWER DISSIPATION (4)TYPE No.

LINE No.	4 TYPE No.	1 NOM. VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE (V)		2 MAX INPUT VOLT V	MIN OUT/IN DIFF. (ΔV)	3 MAX. POWER DISS. @ 25°C (W)	MAX. LOAD CUR. (A)	MAX. OUT-PUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX. LINE VOLT. CHG. (ΔV)	MAX. LINE REG. CUR. CHG. (ΔA)	MAX. LOAD REG. VOLT. CHG. (%)	MIN RIPPLE REJ. (dB)	MAX TRANSIENT RECOVERY		T E O P M E	C D	DRAWINGS	
			LOW (V)	HIGH (V)											@LINE CHG. (s)	@LOAD CHG. (s)				
1	JANM38510/10201C	19	2.0	37	40	2.5	350m\$	85m		15mΔ	30	300m	9.0m	500m	64			5C	F079a	FP24a
2	JANM38510/10201CDA	19	2.0	37	40	2.5	350m\$	85m		15mΔ	30	300m	9.0m	500m	64			5C	F079a	FP25
3	JANM38510/10201CDB	19	2.0	37	40	2.5	350m\$	85m		15mΔ	30	300m	9.0m	500m	64			5C	F079a	FP25
4	JANM38510/10201CDC	19	2.0	37	40	2.5	350m\$	85m		15mΔ	30	300m	9.0m	500m	64			5C	F079a	FP25
5	JANM38510/10201CHA	19	2.0	37	40	2.5	350m\$	85m		15mΔ	30	300m	9.0m	500m	64			5C	F079a	FP25
6	JANM38510/10201CHB	19	2.0	37	40	2.5	350m\$	85m		15mΔ	30	300m	9.0m	500m	64			5C	F079b	FP31
7	JANM38510/10201CHC	19	2.0	37	40	2.5	350m\$	85m		15mΔ	30	300m	9.0m	500m	64			5C	F079b	FP31
8	JANM38510/10201ACA	19	2.0	37	40	2.5	350m\$	85m		15mΔ	30	300m	9.0m	500m	64			5C	F079a	14-19
9	JANM38510/10201ACB	19	2.0	37	40	2.5	400m\$	85m		15mΔ	30	300m	9.0m	500m	64			5C	F079a	14-2z
10	JANM38510/10201ACC	19	2.0	37	40	2.5	400m\$	85m		15mΔ	30	300m	9.0m	500m	64			5C	F079a	14-19
11	723CJ	19	2.0	37	40	2.5	400m\$	85m		15mΔ	30	300m	9.0m	500m	64			5C	F079a	TO116
12	723BE	19	2.0	37	40	3.0	800m	150m		15mΔ	3.0	100mΔ	49m	150mΔ	74 ↑			5C	F081	TO96
13	723CE	19	2.0	37	40	3.0	800m	150m		15mΔ	3.0	100mΔ	49m	150mΔ	74 ↑			5C	F081	TO96
14	823BE	19	2.0	37	40	2.5	800m	150m		15mΔ	3.0	20mΔ	49m	100mΔ	70			5C	F081	TO96
15	CMC723	19	2.0	37	40	3.0	800m\$	150m		1.0 %	28	5.0	49m	600m	86 ↑	5.0u↑	5.0u↑	07		CN17d
16#	HA17723M	19	2.0	37	40	3.0	800m	150m			28	500m	50m	200m	74 ↑			07	F167a	TO100
17	LA723CH	19	2.0	37	40	3.0	800m	150m			28	300mΔ	50m	200m	74 ↑	5.0u	5.0u	07	F030a	CN10f
18	LA723H	19	2.0	37	40	3.0	800m	150m			28	300mΔ	50m	600m	74 ↑	5.0u	5.0u	07	F030a	CN10f
19	LM304L	19	2.0	35m	30	4.0	800m	20m	50m↑	15mΔ	28	10mΔ	20m	5.0mΔ	74 ↑	5.0u	5.0u	07	F002	CN10q
20#	MA723CL	19	2.0	37	40	3.0	800m	150m	50m↑	15mΔ	28	200m	49m	600m	74 ↑	5.0u	5.0u	07	F002	TO100
21#	MA723ML	19	2.0	37	40	3.0	800m	150m	50m↑	15mΔ	28	200m	49m	600m	74 ↑	5.0u	5.0u	07	F002	TO100
22	MC1723CF	19	2.0	37	40	3.0	800m	150m		15mΔ	28	300mΔ	49m	600mΔ	74 ↑			07	F030	TO91
23	MC1723F	19	2.0	37	40	3.0	800m	150m		15mΔ	28	300mΔ	49m	600mΔ	74 ↑			07	F030	TO91
24	MIC723-1	19	2.0	37	40	3.0	800m	150m		15mΔ	28	200m	49m	150m	74 ↑			07	F030	CN10e
25	MIC723-5	19	2.0	37	40	3.0	800m	150m		15mΔ	28	500m	49m	200m	74 ↑			07	F030	CN10e
26	MS723	19	2.0	37	40	3.0	800m	150m	50m	15mΔ	28	200m	49m	600m	74 ↑	5.0u	5.0u	07	F085	FP2g
27	MS723C	19	2.0	37	40	3.0	800m	150m	50m	15mΔ	28	500m	49m	600m	74 ↑	5.0u	5.0u	07	F085	TO90
28	SN52723U	19	2.0	37	40	3.0	800m	150m	50m↑	15mΔ	28	200m	49m	600m	74 ↑	5.0u	5.0u	07		Δ004AA
29	SN72401J	19	2.0	37	40	3.0	800m	150m	50m↑	15mΔ	28	500m	49m	600m	70 ↑	5.0u↑	5.0u↑	07		
30	SN72401N	19	2.0	37	40	3.0	800m	150m	50m↑	15mΔ	28	500m	49m	600m	70 ↑	5.0u↑	5.0u↑	07		16-2
31	SN72403L	19	2.0	37	40	3.0	800m	150m	50m↑	15mΔ	28	500m	49m	600m	74 ↑	5.0u↑	5.0u↑	07		TO99
32	SN72403P	19	2.0	37	40	3.0	800m	150m	50m↑	15mΔ	28	500m	49m	600m	74 ↑	5.0u↑	5.0u↑	07		8-3
33	T1723J	19	2.0	37	40	3.0	800m	150m		20uΔ	2.8	200m	49m	600m	74 ↑			07		TO116
34	T1723V	19	2.0	37	40	3.0	800m	150m		20uΔ	2.8	200m	49m	600m	74 ↑			07		TO100
35	T2723J	19	2.0	37	40	3.0	800m	150m	50m	1.0m%	28	5.0	49m	600m	86 ↑	5.0u↑	5.0u↑	07		TO116
36	T2723V	19	2.0	37	40	3.0	800m	150m	50m	1.0m%	28	5.0	49m	600m	86 ↑	5.0u↑	5.0u↑	07		TO100
37	TVR2723E	19	2.0	37	40	3.0	800m	150m	50m	1.0m%	28	5.0	600m	86 ↑	5.0u↑	5.0u↑	07		TO116	
38	UC4723	19	2.0	37	40	3.0	800m	150m		20uΔ	2.8	200m	49	600m	74 ↑			07	F030	TO100
39	UC4723C	19	2.0	37	40	3.0	800m	150m		1.0m%	2.8	5.0	49	600m	86 ↑			07	F038	TO100
40	ULN2723K	19	2.0	37	40	3.0	800m	250m		15mΔ	3.0	100m	49m	200m	74 ↑	5.0u	5.0u	07	F030b	TO100
41	ULS2723K	19	2.0	37	40	3.0	800m	250m		15mΔ	3.0	100m	49m	150m	74 ↑	5.0u	5.0u	07	F030b	TO100
42	VA5R72331	19	2.0	37	40	3.0	800m	150m	50m	20uΔ	2.8	200m	49m	600m	74			07		TO96
43	VA5R72339	19	2.0	37	40	3.0	800m	150m	50m	1.0m%	28	5.0	49m	600m	86	5.0u	5.0u	07		TO96
44#	MT723	19	2.0	37	40	3.0	850m	150m	50m	15mΔ	3.0	100mΔ	49m	150mΔ	74 ↑			07	F030	TO100
45#	MT723C	19	2.0	37	40	3.0	850m	150m		15mΔ	3.0	100mΔ	49m	200mΔ	74 ↑			07	F030	TO100
46	723BL	19	2.0	37	40	3.0	900m	150m		15mΔ	3.0	100mΔ	49m	150mΔ	74 ↑			07	F081a	14-8
47	723BN	19	2.0	37	40	3.0	900m	150m		15m	3.0	100m	49m	150m	74 ↑			07	F030b	TO116
48	723CL	19	2.0	37	40	3.0	900m	150m		15mΔ	3.0	100mΔ	49m	200mΔ	74 ↑			07	F081a	14-8
49	723CN	19	2.0	37	40	3.0	900m	150m		15mΔ	3.0	100mΔ	49m	200mΔ	74 ↑			07	F030c	TO116
50	823BL	19	2.0	37	40	3.0	900m	150m		5.0mΔ	3.0	50mΔ	49m	200mΔ	60			07	F081a	14-8
51	823BN	19	2.0	37	40	2.5	900m	150m		15mΔ	3.0	50mΔ	49m	200mΔ	60			07	F081a	TO116
52	ULN2723A	19	2.0	37	40	3.0	1.0	250m		15mΔ	3.0	100m	49m	200m	74 ↑	5.0u	5.0u	07	F030c	14-2w
53	ULS2723A	19	2.0	37	40	3.0	1.0	250m		15mΔ	3.0	100m	49m	150m	74 ↑	5.0u	5.0u	07	F030c	14-2w
54	S5723K	19	2.0	37	40	3.0	800	150		20uΔ	2.8	200m	49m	600m	74			07		TO100
55	LM137K	19	2.0	37	42	5.0	20 *	1.5		37	5.0mΔ	1.4	1.0	66			07	F198	CN48a	
56	LM237K	19	2.0	37	42	5.0	20 *	1.5		37	5.0mΔ	1.4	1.0	66			07	F198	CN48a	
57	LM337K	19	2.0	37	42	5.0	20 *	1.5		37	7.0mΔ	1.4	1.5	66			07	F198	CN48a	
58	LM104L	19	2.0	15m	40	5.0	2.0	800m	20m		10mΔ	20m	5.0mΔ				07	F002	CN10q	
59	SN52104JA	19	2.0	15m	40	5.0	2.0	800m	20m		10mΔ	20m	5.0mΔ				07	F002	14-25	
60	C216	19	8.0	30	80	8.0	1.8	300m	100m		5.0mΔ	1.0	2.0mΔ	90m	66			07		CN2k
61	SG7820ACP	20			35	3.5	2.0	1.0		12	200m\$	50	100mΔ	60 ↑				07	F091	Y220
62	SG7820CP	20			35	3.5	2.0	1.0		12	400m\$	50	200mΔ	60 ↑				07	F091	Y220
63	844V20*	20	4.0 %	12	20	3.5	3.0	300m			5.0mΔ	300m	5.0m	70				07	F073	CN2e
64	78M20BE	20	4.0 %		40	2.0 *		200m			13	15m↑	495m	80mΔ	69 ↑			07	F125	TO39
65	78M20CE	20	4.0 %		40	2.0 *		200m			13	15m↑	495m	80mΔ	69 ↑			08	F125	TO39
66	MC7720CG	20	4.0 %	4.0 %	40	2.0	800m	750m		1.0m↑	12	400m\$	745m	400mΔ	58 ↑			07	F125	TO39
67	T2000J	20	3.0	37	40	2.2	800m	200m	50m		1.0	15m	100m	40	100n	100n	07			TO116
68	T2000V	20	3.0	37	40	2.2	800m	200m	50m		1.0	15m	100m	40	100n	100n	07			TO100
69	T2001J	20	3.0	37	40	2.5	800m	200m	100m		1.0	30m	100m	34	100n	100n	07			TO116
70	T2001V	20	3.0	37	40	2.5	800m	200m	100m		1.0	30m	100m	34	100n	100n	07			TO100
71	TVR2000	20	3.0	37	40	3.0	800m	150m	100m		1.0	50m	100m	34	100n	100n	07		</	

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V
(3)MAX POWER DISSIPATION (4)TYPE No.

LINEAR

LINE No.	TYPE No.	NOM. VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE (V)		MAX. INPUT VOLT (V)		MIN. OUT/IN DIFF. (ΔV)	MAX. POWER DISS. @ 25°C (W)	MAX. LOAD CUR. (A)	MAX. OUTPUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX. LINE VOLT. CHG. (%)	MAX. LOAD REG. CUR. CHG. (%)	MAX. LOAD REG. OUT. VOLT. CHG. (%)	MIN. RIPPL. REJ. (dB)	MAX. RECOVERY @LINE (s)	MAX. RECOVERY @LOAD (s)	T O M P E	C D CKT.	DRAWINGS	
			LOW (V)	HIGH (V)	VOLT (V)	VOLT (V)															LINE VOLT (ΔV)
1	851V21	21	1.0	1.0	30	4.0	1.8	500m				2.5	50m	50m				5C		MP34b	
2	801V21	21	1.0	1.0	30	4.0	1.8	500m					50m	50m				5C		MP34	
3	LM376N8	21	5.0	37	40	3.0	400m						300m	25	200m			07	F070	8-15	
4	LM376N	21	5.0	37	40	3.0	400m	25m					30m	25m	500m			07	F070	8-15	
5	826BE	21	12	30	40	2.5	500m	100m			20m		50m	50m	50m	60	10u	5C		CN15	
6	809V21	21			40	2.0	1.6	1.0	1.0		60m		30m*	500m	3.0	34		5C		MP34a	
7	859V21	21			40	2.0	1.6	1.0	1.0		60m		30m*	500m	3.0	34		5C		MP34a	
8	J20-21	21			40	5.0	1.8	1.0	1.0m			2.6	5.0m	1.0	5.0m	94		5C	G010	MP34a	
9	822CU	21	2.5	40	40	2.0	400m	25m			10m		30m	25m	50m	60	5.0u	09		MP34a	
10	822BE	21	3.0	40	50	3.0	500m	50m			10m		30m	25m	50m	60	5.0u	5C	F065	CN1c	
11	823AE	21	2.0	40	50	2.5	800m	150m			5.0m	3.0	20m	49m	100m	70		5C	F081	T096	
12	823AL	21	2.0	40	50	3.0	900m	150m			5.0m	3.0	20m	49m	100m	70		5C	F081a	14-8	
13	823AN	21	2.0	40	50	2.5	900m	150m			5.0m	3.0	20m	49m	100m	70		5C	F081a	T0116	
14#	WM330R	22	1.5	43	3.0	3.0	5.0	2.0	2.0m		4.8	2.0	1.0	2.0	65	1.0u	5C	F035	CN22		
15#	LM105F883	22	4.5	40	3.0	3.0	500m	25m			1.0m	1.0	60m	25m	100m	80	1.0u	5F	F003	FP2	
16	VR1220	22	14	36	40	2.0	1.5	250m	25m	1.8m		4.0	250m	3.0m	68		48			14-3b	
17	VR2220	22	9.0	36	40	3.0	2.0	500m	70m	2.2m		6.0m	125m	40m	75					14-3b	
18	uA78C22U1C	22	4.0	4.0	40	5.0	7.5	500m				10	50m	455m	220m	54		0C	F185	MT24	
19	MI42070-224	22	45m	45m	40	6.0	80	5.0			50m	20m	100m	60m	60		07	F173	T03		
20	SG105N	22	4.5	40	50	3.0	400m	40m			1.0	1.0	60m	100m	40	3.0u	07	F003	14-4a		
21	CMC105	22	4.5	40	50	3.0	500m	25m			1.0	1.0	60m	12m	100m	48	1.0u	5F	F065	CN1c	
22	CMC205	22	4.5	40	50	3.0	500m	20m			1.0		60m	12m	100m	80	2.0u	2A	F065	CN1c	
23	LA105F	22	4.5	40	50	3.0	500m						60m	12m	50m	48	5.0u	3.0u	5C	F003	T091
24	LA105G	22	4.5	40	50	3.0	500m						60m	12m	50m	48	5.0u	3.0u	5C	F003	CN1c
25	LA105H	22	4.5	40	50	3.0	500m	25m					60m	12m	100m	80	1.0u	1.0u	5C	F003	CN1c
26	LA205F	22	4.5	40	50	3.0	500m						60m	12m	50m	48	5.0u	3.0u	28	F003	T091
27	LA205G	22	4.5	40	50	3.0	500m						60m	12m	50m	48	5.0u	3.0u	28	F003	CN1c
28	LA205H	22	4.5	40	50	3.0	500m	25m					60m	12m	100m	80	2.0u	2.0u	28	F003	CN1c
29	LA305F	22	4.5	40	50	3.0	500m						60m	12m	50m	48	5.0u	3.0u	07	F003	T091
30	LA305G	22	4.5	40	50	3.0	500m						60m	12m	50m	48	5.0u	3.0u	07	F003	CN1c
31	LA305H	22	4.5	40	50	3.0	500m	25m					60m	12m	50m	48		07	F003	CN1c	
32#	MT105F	22	4.5	40	50	3.0	500m			1.0	5.0		60m	12m	50m	53		5E	F003	FP18	
33#	MT105M	22	4.5	40	50	3.0	500m			1.0	5.0		60m	12m	50m	53		5E	F003	CN1c	
34#	MT205F	22	4.5	40	50	3.0	500m				5.0		60m	12m	50m	53		2A	F003	FP18	
35#	MT205M	22	4.5	40	50	3.0	500m				5.0		60m	12m	50m	53		2A	F003	CN1c	
36	RM105BL	22	4.5	40	50	3.0	700m						60m	12m	50m	90		5E	F129	CH26	
37	824BE	23	12	35	45	2.5	500m	100m			15m		20m	50m	30m	60	10u	10u	5C	F046	CN11
38#	STK503	24					3.0	200m	50m	6.0m		1.0	40m	1.0			38	F119		MP422	
39	BN4003	24				28 *	25	1.0	250m	40m		1.0					3C	F056	CN32		
40	MC7824CP	24	4.1	4.1	35	2.0	2.0	150m	1.0m	1.0m		11	240m	1.0m	48m	56		0C	F091	MT1	
41#	SI3241B	24					2.0	500m	200m	2.4m		4.1	700m	45m	400m	50		2C	Z060	MP128	
42	JANM38510/10705AXA	24	5.0	5.0	38	28 *	890m	500m			6.0m	10	240m	495m	480m	50		5C	F186	CN40	
43	JANM38510/10705AXB	24	5.0	5.0	38	28 *	890m	500m			6.0m	10	240m	495m	480m	50		5C	F186	CN40	
44	JANM38510/10705AXC	24	5.0	5.0	38	28 *	890m	500m			6.0m	10	240m	495m	480m	50		5C	F186	CN40	
45	JANM38510/10709AYA	24	5.0	5.0	38	28 *	3.6 *	1.0			6.0m	10	240m	995m	480m	50		5C	F186b	T03	
46	JANM38510/10709AYB	24	5.0	5.0	38	28 *	3.6 *	1.0			6.0m	10	240m	995m	480m	50		5C	F186b	T03	
47	JANM38510/10709AYC	24	5.0	5.0	38	28 *	3.6 *	1.0			6.0m	10	240m	995m	480m	50		5C	F186b	T03	
48	JANM38510/10709BYB	24	5.0	5.0	38	28 *	3.6 *	1.0			6.0m	10	240m	995m	480m	50		5C	F186b	T03	
49	JANM38510/10709CYB	24	5.0	5.0	38	28 *	3.6 *	1.0			6.0m	10	240m	995m	480m	50		5C	F186b	T03	
50	78M24BE	24				2.0 *	200m				11		18m	495m	100m	66		5C	F125	T039	
51	78M24CE	24				2.0 *	200m				11		18m	495m	100m	66		5C	F125	T039	
52	DE24D100	24					100m				1.0		10m	100m	10m			27		MP275a	
53	LM342P24	24	4.1	4.1	40			200m			10		480m	199m	480m	27		07	F151	MT4	
54	LM7824CK	24	4.2	4.2	40				28m	3.0m	6.0		120m	995m	240m	50		07	F150	CN79	
55	LM7824CT	24	4.2	4.2	40				28m	3.0m	6.0		120m	995m	240m	50		07	F150	MT3	
56	LM7924CK	24	4.2	4.2	40					1.5		11	150m	1.4	240m	54		07	F152	CN79	
57	LM7924CT	24	4.2	4.2	40					1.5		11	150m	1.4	240m	54		07	F152	MT3	
58#	STK543	24	1.2	1.2	40			500m	100m	3.0m	8.0		400m				38	F147	MP417		
59	ML340K-24	24					22m		150m	3.0m	240m	10	5	4.0m	240m	50		0C		T03	
60	LM140LAH24	24	2.1	2.1	40	2.5	108m	100m	200m	2.0	11		100m	99m	160m	41		5C	F148	CN40	
61	LM240LAH24	24	2.1	2.1	40	2.5	108m	100m	200m	2.0	11		100m	99m	80m	41		28	F148	CN40	
62	LM240LAZ24	24	2.1	2.1	40	2.5	108m	100m	200m	2.0	11		100m	99m	80m	41		28	F148	MP573	
63	LM340LAH24	24	2.1	2.1	40	2.5	108m	100m	200m	2.0	11		100m	99m	160m	41		07	F148	CN40	
64	LM340LAZ24	24	2.1	2.1	40	2.5	108m	100m	200m	2.0	11		100m	99m	160m	41		07	F148	MP573	
65	LM320L224	24	4.2	4.2	40			800m	100m	3.0m	11		60m	99m	200m	46		07	F201a	MP573	
66	MC7724CG	24	4.1	4.1	40	2.0	800m	750m			1.0m	11	480m	745m	480m	56		0C	F125	T039	
67	SN72424L	24	10	10	40	3.0	800m	150m	125m	15m	10		500m	49m	600m	70	5.0u	07		T099	
68	SN72424P	24	10	10	40	3.0	800m	150m	125m	15m	10		500m	49m	600m	70	5.0u	07		8-3	
69	VRN24	24					1.0	300m					300m	100m	300m	46		5F	F029	FP8	
70	VRP24	24					1.0	300m					300m	100m	300m	46		5F	F028	FP8	
71	VR1240	24	14	36	40	2.0	1.5	250m	25m	1.8m		40	250m	3.0m	68		48			14-3b	
72	809V24	24				4.0	1.6	1.0	1.0			60m	500m	3.0	34		5C			MP34a	
73	853V24	24	1.0	1.0	40	4.0	1.6	500m				2.8	50m	500m	50m			5C		MP34a	
74	859V24	24				4.0	1.6	1.0	1.0			60m	500m	3.0	34		5C			MP34a	
75	803V24	24	1.0	1.0	40	4.0	1.8	500m				2.8	50m	500m	50m			5C		MP34a	
76	J30-24</																				

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V
(3)MAX POWER DISSIPATION (4)TYPE No.

LINE No.	TYPE No.	NOM. VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE (V)		2 MAX. INPUT LINE VOLT (V)	MIN. OUT/IN DIFF. (ΔV)	3 MAX. POWER DISS. @25°C (W)	MAX. LOAD CUR. (A)	MAX. OUT-PUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX. LINE VOLT. CHG. (ΔV)	MAX. OUTPUT VOLT. CHG. (%)	MAX. LOAD CUR. CHG. (ΔA)	MAX. LOAD REG. OUT. VOLT. CHG. (%)	MIN. RIPPL. REJ. (dB)	MAX. TRANSIENT RECOVERY @LINE @LOAD		T C E O M D P E	DRAWINGS
			LOW (V)	HIGH (V)												RECOVERY @LINE (s)	RECOVERY @LOAD (s)		
1	LM140KC24	24	4.2%	4.2%	40	20*	1.0	28m	3.0m	6.0	120m	995m	240m	58			5C F199	CN48a	
2	LM220K24	24	2.0%	2.0%	40	3.0	20*	1.0	28m	3.0m	13	995m	80m	54			2F F152a	TO3	
3	LM320K24	24	3.3%	3.3%	40	3.0	20*	1.0	28m	3.0m	13	995m	80m	54			0C F152a	TO3	
4	LM340AK24	24	2.1%	2.1%	40		20*	1.0	28m	3.0m	6.0	995m	120m	56			07 F199	CN48a	
5	LM340AKC24	24	2.1%	2.1%	40		20*	1.0	28m	3.0m	6.0	995m	120m	56			07 F199	CN79	
6	LM340K24	24	4.2%	4.2%	40		20*	1.0	28m	3.0m	6.0	995m	240m	50			07 F199	CN48a	
7	LM340KC24	24	4.2%	4.2%	40		20*	1.0	28m	3.0m	6.0	120m	995m	240m	50			07 F199	CN79
8#	SI3241A	24			40		50	1.0	200m	2.4m	4.2	700m	105m	400m	53			07 F199	MP128
9	MI42070-244	24	41m%	41m%	40	6.0	80	5.0		50m%	20m	100m		60m	60			07 F173	TO3
10	LM320KC24	24	3.3%	3.3%	42		20*	1.0		13	36m	995m	80m	54			0C F152a	CN79	
11#	SL78L24	24			45	3.0*		200m	100m	1.1m	120m	200m	240m	46			08	TO39	
12#	SI3241S	24			45	4.0	25	1.5	100m	3.0m	9.0	1.0	800m	60			F105	MP219	
13#	101N24	24			49	3.0	6.5	3.0		20m	1.0	400m	1.5	1.2	20			08 F095	MP295
14#	101P24	24			49	3.0	6.5	3.0		20m	1.0	400m	1.5	1.2	20			08 F095	MP295
15	LM137HVH	24	1.2	47	52	5.0	2.0*	500m		47	5.0m	490m	1.0	66			5E F198	CN38d	
16	LM237HVH	24	1.2	47	52	5.0	2.0*	500m		47	5.0m	490m	1.0	66			2E F198	CN38d	
17	LM337HVH	24	1.2	47	52	5.0	2.0*	500m		47	7.0m	490m	1.5	66			0C F198	CN38d	
18	LM137HVK	24	1.2	47	52	5.0	2.0*	1.5		47	5.0m	1.4	1.0	66			5E F198	CN48a	
19	LM237HVK	24	1.2	47	52	5.0	2.0*	1.5		47	5.0m	1.4	1.0	66			2E F198	CN48a	
20	LM337HVK	24	1.2	47	52	5.0	2.0*	1.5		47	7.0m	1.4	1.5	66			0C F198	CN48a	
21	2802BG	24	9.0	40	55	2.5	1.8	200m	1.0	38	380m	100m	100m	65	1.0u	1.0	5C F016	CN2b	
22	2803BG	24	9.0	40	55	2.5	1.8	200m	1.0	38	380m	100m	100m	65	1.0u	1.0	5C F017	CN2b	
23	C226	24	12	37	80	50		100m	100m	1.0	500m	5.0m	90m	70			5C	CN2k	
24	4JD13V	25	10	40				400m	40m	50	100m	100m					1C	TO98	
25	D13V	25	10	40				400m	5.0m	50	100m	100m					1C	TO98	
26	BN4104	25				29*	1.5	1.0					1.5				3C F058	CN32a	
27	854	26	20	32	40	4.0	1.6	500m				50m	796m	50m			5C	MP34c	
28	804	26	20	32	40	4.0	1.8	500m				50m	794m	50m			5C	MP34a	
29	J21	26	21	32	40	5.0	1.8	1.0	1.0m	2.7	5.0m	1.0	5.0m	94			5C G010	MP34a	
30	J31	26	21	32	40	5.0	1.8	1.0	2.0m	2.7	5.0m	1.0	5.0m	88			5C G010	MP34a	
31	MI42070-263	26	38m%	38m%	40	6.0	80	5.0		50m%	20m	100m	60m	60			07 F173	TO3	
32	VR1270	27	14	36	40	2.0	1.5	250m	25m	1.8m		40	250m	3.0m	68			48	14-3b
33	853V27	27	1.0%	1.0%	40	4.0	1.6	500m		3.1		50m	50m	50m			5C	MP34b	
34	VR2270	27	9.0	36	40	3.0	2.0	500m	90m	2.7m	1.0	6.0m	125m	40m	75			5C	14-3b
35	LM217HVK	28	1.2	57	60	3.0	1.5	1.5				100m	100m	80			2E F166a	CN48a	
36	LM317HVK	28	1.2	57	60	3.0	1.5	1.5				100m	100m	80			0C F166a	CN48a	
37	809V28	28			40	2.0	1.6	1.0	1.0	60m	3.2	30m*	500m	3.0*	34			5C	MP34e
38	853V28	28	1.0%	1.0%	40	4.0	1.6	500m		3.2		50m	500m	50m			5C	MP34b	
39	859V28	28	1.0%	1.0%	40	2.0	1.6	1.0	1.0	60m	3.2	30m*	500m	3.0*	34			5C	MP34e
40	803V28	28	1.0%	1.0%	40	4.0	1.8	500m		3.2		50m	500m	50m			5C	MP34	
41	J30-28	28			40	5.0	1.8	1.0	2.0m	3.3	5.0m	1.0	5.0m	88			5C G010	MP34a	
42	PMC15K28	28	5.0%	5.0%	40	2.3*	1.5	1.5		30m	10	2.0	1.5	600m	49			5F F110	TO3
43	PMC18K28	28	5.0%	5.0%	40	2.0*	1.5	1.5		30m	10	2.0	1.5	600m	48			5F F136	TO3
44	MI42070-283	28	35m%	35m%	40	6.0	80	5.0		50m%	20m	100m	60m	60			07 F173	TO3	
45	CTS879	29	1.0	57	60	3.0	4.0	2.0	70m			500m	1.0	600m	60			5C F035b	CN22
46	LMR3	29	8.0	50	60	3.0	2.5	2.0		50m	2.2	500m	1.0	500m	40			5C F074	CN22c
47	MI42070-303	30	33m%	33m%	40	6.0	80	5.0		50m%	20m	100m	60m	60			07 F173	TO3	
48#	SL78L30	30	31	29	45	7.0*		200m	100m	1.3m	150m	6.7	200m	300m	46			08	TO39
49	VR1320	32	14	36	40	2.0	1.5	250m	25m	1.8m		40	250m	3.0m	68			48	14-3b
50	853V32	32	1.0%	1.0%	40	4.0	1.6	500m		3.6		50m	500m	50m			5C	MP34b	
51	803V32	32	1.0%	1.0%	40	4.0	1.8	500m		3.6		50m	500m	50m			5C	MP34	
52	J30-32	32			40	5.0	1.8	1.0	2.0m	3.7	5.0m	1.0	5.0m	88			5C G010	MP34a	
53	VR2320	32	9.0	36	40	3.0	2.0	500m	110m	3.2m	1.0	6.0m	125m	50m	75			5C	MP34a
54	MI42070-322	32	31m%	31m%	40	6.0	80	5.0		50m%	20m	100m	60m	60			07 F173	TO3	
55	CTS878	32	8.0	57	60	3.0	4.0	2.0	70m			500m	1.0	600m	60			5C F035a	CN22
56	MI42070-342	34	29m%	29m%	40	6.0	80	5.0		50m%	20m	100m	60m	60			07 F173	TO3	
57	WT49	35			40		12	250m		3.0m				52			05 F059	CBZ	
58	VR1360	36	14	36	40	2.0	1.5	250m	25m	1.8m		40	250m	3.0m	68			48	14-3b
59	VR2360	36	9.0	36	40	3.0	2.0	500m	120m	3.6m	1.0	6.0m	125m	50m	75			5C	14-3b
60	MIVR42050-364	36	100m%	100m%	44	5.0	120	4.0		50m	3.0	100m	4.0	40m	60			\$F F206	TO3
61	MIVR42051-363	36	100m%	100m%	44	5.0	120	3.0		50m	3.0	100m	5.0	40m	60			\$F	TO3
62	807V36	36	500m%	500m%	150	6.0	1.6	150m		4.2		50m	150m	50m			5C	MP34e	
63#	MT104-883	40	39	41	50		500m			8.0		5.0m	20m	5.0m			5C	CN10e	
64	807V48	48	500m%	500m%	150	6.0	1.6	150m		5.4		50m	150m	50m			5C	MP34e	
65	uA79M05UC	50			35	1.1	5.0	650m		400u	10	300m	500m	2.0	54			5C	MP34e
66	808V60	60	500m%	500m%	150	6.0	1.6	150m		6.6		50m	150m	50m			5C	MP34e	
67	808V100	100	500m%	500m%	150	6.0	1.6	150m		60		50m	150m	50m			5C	MP34e	
68#	SI4120A	120	115	125	250	10	100	1.1	300m	20m				40			F083	MP221	

LINEAR

9. VOLTAGE COMPARATORS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINEAR

LINE No.	TYPE No.	PWR SUP @ 25°C RATED SPECS		INPUT CHARACTERISTICS						OUTPUT CHAR. @ 25°C		W/C TRANSFER		DRAWINGS				
		1 TOT. VOLT (ΔV)	2 MAX IDLE P (W)	OVER OPERATING TEMP. RANGE		@ 25°C		MIN. OUTPUT VOLTAGE		MIN. CURR SINK (A)	MIN. VOLT. GAIN (dB)	RESP. TIME (s)	E O M P D	T C CKT.	OUT-LINE Δ=MO			
				3 MAX. VOLTAGE (V/°C)	4 OFFSET (V)	5 MAX CURRENT (A)	6 BIAS (A)	MIN CM RANGE (ΔV)	STROBE (A)							POS (V)	NEG (V)	
1	TL331CL	5.0	4.0m	150n	400n	3.5	3.5	36	500 Δ		106	1.3ut	07	G083a	CN1k			
2	TL331IL	5.0	4.0m	9.0m	100n	300n	3.5	36	500 Δ		106	1.3ut	28	G083a	CN1k			
3	TL331ML	5.0	4.0m	9.0m	100n	300n	3.5	36	500 Δ		106	1.3ut	5C	G083a	CN1k			
4	LM193AH	5.0	5.0m	4.0m	100n	300n	3.5	5.0	250m Δ		94	1.3ut	5C	G079a	CN1d			
5	LM293AH	5.0	5.0m	4.0m	150n	400n	3.5	5.0	250m Δ		94	1.3ut	28	G079a	CN1d			
6	LM193L	5.0	5.0m	9.0m	100n	300n	3.5	5.0	400m Δ	4.0m	94	1.3ut	5C	G067a	CN1k			
7	LM293L	5.0	5.0m	9.0m	150n	400n	3.5	5.0	400m Δ	4.0m	94	1.3ut	28	G067a	CN1k			
8	LM393L	5.0	5.0m	9.0m	150n	400n	3.5	5.0	400m Δ	4.0m	94	1.3u	07	G067a	CN1k			
9	LM2903L	5.0	5.0m	15m	200n	500n	3.5	5.0	400m Δ	4.0m	88	1.5u	48	G068a	CN1k			
10	LM239AF	5.0	10m	2.0m	50n	250n	3.5	5.0	400m Δ	6.0m	96	1.3ut	28	G053	FP2z			
11	LM239F	5.0	10m	2.0m	50n	250n	3.5	5.0	400m Δ	6.0m	106	1.3ut	28	G053	FP2z			
12	LM139H	5.0	10m	5.0m	25n	100n	3.5	250m	400m Δ	6.0m	106	1.3ut	5C	G036	FPZ			
13	LM139L	5.0	10m	5.0m	25n	100n	3.5	250m	400m Δ	6.0m	106	1.3ut	5C	G036	TO116			
14	LM239L	5.0	10m	5.0m	50n	250n	3.5	250m	400m Δ	6.0m	106	1.3ut	28	G036	TO116			
15	LM339L	5.0	10m	5.0m	50n	250n	3.5	250m	400m Δ	6.0m	106	1.3ut	07	G036	TO116			
16	LM2901L	5.0	10m	5.0m	50n	250n	3.5	250m	400m Δ	6.0m	106	1.3ut	48	G036	TO116			
17	uA775DC	5.0	10m	5.0m	150n	400n	3.5	400m		6.0m	106	1.3ut	07	G060	14-31b			
18	uA775DM	5.0	10m	5.0m	100n	300n	3.5	400m		6.0m	106	1.3ut	5C	G060	14-31b			
19	uA775PC	5.0	10m	5.0m	150n	400n	3.5	400m		6.0m	106	1.3ut	07	G060	16-8f			
20#	M5126T	5.0	50m	150m	150n	25n	4.2	4.9		60m	70		27	G021	TO100			
21	SE518A	9.0	2.25m	4.0m	12u	70u	10 Δ	4.6m	4.9	1.2	50	2.2m	64	50u*	5C	G004	TO116	
22	SE518G	9.0	2.25m	4.0m	12u	70u	10 Δ	4.6m	4.9	1.2	50	2.2m	64	50u*	5C	G004	TO91	
23	SE518K	9.0	2.25m	4.0m	12u	70u	10 Δ	4.6m	4.9	1.2	50	2.2m	64	50u*	5C	G004	TO100	
24	NE518G	9.0	2.25m	13u	1.0m	10u	10 Δ	1.9m	5.0	1.2	100	2.8m	64	40u*	07	G004	TO91	
25	NE518KA	9.0	2.25m	13u	1.0m	10u	10 Δ	1.9m	5.0	1.2	100	2.8m	64	40u*	07	G004	TO100	
26	SE518GA	9.0	2.25m	13u	1.0m	10u	10 Δ	1.9m	5.0	1.2	100	2.8m	64	40u*	5C	G004	TO91	
27	SE518KA	9.0	2.25m	13u	1.0m	10u	10 Δ	1.9m	5.0	1.2	100	2.8m	64	40u*	5C	G004	TO100	
28	NE518A	9.0	2.43m	1.0m	12u	70u	10 Δ	4.7m	4.8	1.2	50	2.2	63	60u*	07	G004	TO116	
29	NE518G	9.0	2.43m	1.0m	12u	70u	10 Δ	4.7m	4.8	1.2	50	2.2	63	60u*	07	G004	TO91	
30	NE518K	9.0	2.43m	1.0m	12u	70u	10 Δ	4.7m	4.8	1.2	50	2.2	63	60u*	07	G004	TO100	
31	NE526G	10	120m	5.0m	5.0u	35u	7.4	2.8	400m		16m	70	17	*	07	G009	TO91	
32	NE526Q	10	120m	5.0m	5.0u	35u	7.4	3.5	500m Δ		16m	15n*	07	G009	MPZ			
33	SE526G	10	120m	5.0m	5.0u	35u	7.4	2.8	400m		16m	15n*	5C	G009	TO91			
34	SE526Q	10	120m	5.0m	5.0u	35u	7.4	3.5	500m Δ		16m	15n*	5C	G009	MPZ			
35	LM160D	10	240m	8.0ut	5.0m	3.0u	20u	8.0	2.4	400m Δ	100	12n	5C	G040	14-32			
36	LM160F	10	240m	8.0ut	5.0m	3.0u	20u	8.0	2.4	400m Δ	100	12n	5C	G040	FP29a			
37	LM160J-14	10	240m	8.0ut	5.0m	3.0u	20u	8.0	2.4	400m Δ	100	12n	5C	G040	14-20b			
38	LM260D	10	240m	8.0ut	5.0m	3.0u	20u	8.0	2.4	400m Δ	100	12n	28	G040	14-32			
39	LM260J-14	10	240m	8.0ut	5.0m	3.0u	20u	8.0	2.4	400m Δ	100	12n	28	G040	14-20b			
40	LM360D	10	240m	8.0ut	5.0m	3.0u	20u	8.0	2.4	400m Δ	100	12n	07	G040	14-32			
41	LM360J-14	10	240m	8.0ut	5.0m	3.0u	20u	8.0	2.4	400m Δ	100	12n	07	G040	14-20b			
42	LM360N8	10	240m	8.0ut	5.0m	3.0u	20u	8.0	2.4	400m Δ	100	12n	07	G040	8-16			
43	LM360N14	10	240m	8.0ut	5.0m	3.0u	20u	8.0	2.4	400m Δ	100	12n	07	G040	14-4n			
44	LM160CH	12	240m	2.0m	2.0u	10u	75u				70	15n	07	G040	CN10e			
45#	SFC2525EM	15											5C		MP117			
46	3302J	15	22m	40m	3.0m	1.0u	26	5.0	400m Δ	6.0m	66		48	G036	8-1b			
47	TS200001883B	15	500m	7.5m	50n	150n	13	15	15	3.5m	100	100n	28	G102a	14-8			
48	CMP8LEY	15	500m	1.5u	1.4m	75n	950n	24	15	15	100	100n	28	G102	TO99			
49	CMP82EJ	15	500m	1.5u	1.4m	10n	80n	24	15	15	100	100n	28	G102	TO99			
50	CMP81CJ	15	500m	1.8u	3.5m	240n	1.2u	24	15	15	100	100n	28	G102	TO99			
51	CMP81EJ	15	500m	1.5u	1.4m	75n	950n	24	15	15	100	100n	28	G102	TO99			
52#	SFC2524EM	16											5C		MP117			
53	LM760CD	16	312m	8.0u	5.0m	3.0u	20u	8.0	2.4	250m	100	20m	70	14n	07		14-9	
54	LM760D	16	312m	8.0u	5.0m	3.0u	20u	8.0	2.4	250m	100	20m	70	14n	5C		14-9	
55	LM760F	16	312m	8.0u	5.0m	3.0u	20u	8.0	2.4	250m	100	20m	70	14n	5C		14-9	
56	HT73	16	3.0					10	0.0	5.5	200	5.0m	57	40n	07	G015	CBZ	
57	SN72710FA	18	88m	7.5ut	10m	25u	150u	10	2.5	1.0	200	5.0m	57	40n	07	G001	FP2t	
58	TL710CL	18	88m	7.5ut	10m	25u	150u	10	2.5	1.0	200	5.0m	57	40n	07	G001	CN1k	
59	SN5281FA	18	94m	5.0u	4.5m	5.0u	30u	10	2.5	1.0	200	5.0m	82	33n	5C	G029	FP2t	
60	SN72811FA	18	94m	5.0u	6.0m	10u	50u	10	2.5	1.0	200	5.0m	80	33n	07	G029	FP2t	
61#	SN72710	18	110m	7.5ut	10m	25u	150u	10	2.5	1.0	200	1.6m	57	40n	07	G001	TO89	
62	LA711A	18	126m	5.0ut	4.5m	20u	150u	10	2.5	1.0	200	1.6m	57	40n	5C	G006	TO100	
63	DC7110	18	130m	5.0ut	6.0m	20u	150u	10	1.2m	3.5	0.0	200	800m	58	40n	07	G006	CN17c
64	DM7110	18	130m	5.0ut	6.0m	20u	150u	10	1.2m	3.5	0.0	200	800m	58	40n	5C	G006	CN17c
65	RM7110	18	130m	5.0ut	6.0m	20u	150u	10	1.2m	3.5	0.0	200	800m	58	40n	5C	G006	CN6b
66	SN52711FA	18	130m	5.0ut	6.0m	20u	150u	10	2.5	1.0	200	5.0m	56	40n	5C	G006	FP2t	
67	SN72711FA	18	130m	5.0ut	10m	25u	150u	10	2.5	1.0	200	5.0m	57	40n	07	G006	FP2t	
68#	SFC2106M	18	142m	10u	3.0m	7.0u	45u	10	3.3m	2.5		90	40n	5C	G005	TO99		
69#	SFC2208	18	142m	10u	3.0m	7.0u	45u	10	3.3m	2.5		90	40n	28	G005	TO99		
70#	SFC2308	18	142m	20u	6.5m	7.5u	40u	10	3.3m	2.5		90	40n	07	G005	TO99		
71	RM710ABL	18	150m	5.0u	1.5m	5.0u	28u	10	2.5	1.0	200	2.0m	63	40n	5C	G001	CH30	
72	RM710ADC	18	150m	5.0u	1.5m	5.0u	28u	10	2.5	1.0	200	2.0m	63	40n	5C	G001	14-12g	
73	RM710AD	18	150m	5.0u	1.5m	5.0u	28u	10	2.5	1.0	200	2.0m	63	40n	5C	G001	FP2t	
74	RM710AT	18	150m	5.0u	1.5m	5.0u	28u	10	2.5	1.0	200	2.0m	63	40n	5C	G001	TO99	
75	RM711AD	18	150m	5.0u	2.0m	3.0u	30u	10	2.5	1.0	200	680m	63	40n	5C	G006	FP2k	
76	RM711AQ*	18	150m	5.0u	2.0m	3.0u	30u	10	2.5	1.0	200	680m	63	40n	5C	G006	FP2k	
77	RM711AT*	18	150m	5.0u	2.0m	3.0u	30u	10	2.5	1.0	200	680m	63	40n	5C	G006	TO100	
78	SN52811N	18	150m	5.0ut	4.5m	5.0u	30u	10	2.5	1.0	200	500u	82	33n	5C	G029	14-4h	
79	TL811ML	18	150m	5.0ut	4.5m	5.0u	30u	10	2.5	1.0	200	500u	81	33n	5C	G029	CN10q	
80	710-1-3H	18	150m	10u	3.0m	7.0u	45u	10	2.5	0.0	200	2.0m	62	40n	5C	G001	FP2d	
81#	710-1-36	18	150m	10u	3.0m	7.0u	45u	10	2.5	0.0	200	2.0m	62	40	1	5C		TO91
82	710BE	18	150m	10u	3.0m	7.0u	45u	10	2.5	1.0	200	1.0m	61	40n	5C	G001	TO99	
83	710BH	18	150m	10u	3.0m	7.												

9. VOLTAGE COMPARATORS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	TYPE No.	PWR SUP @ 25°C		INPUT CHARACTERISTICS							OUTPUT CHAR. @ 25°C				W/C TRANSFER		T C		DRAWINGS	
		RATED	SPECS	OVER OPERATING			TEMP. RANGE				MIN. OUTPUT VOLTAGE	MAX. OUT. RES.	MIN. CURR. SINK	VOLT. GAIN (dB)	@ 25°C RESP. TIME (s)	E O M D P E	C K T.	O U T. L I N E Δ = M O		
				1 TOT.	2 MAX	3 DRIFT (V/°C)	4 OFFSET (V)	5 OFFSET (A)	6 BIAS (A)	7 MIN. CM RANGE (ΔV)									8 STROBE CUR. (A)	9 POS (V)
1	MCBC1710	18	150m	11u	2.0m	20u	14	2.5	0.0	200	2.0m	2.0m	80	40n	5C	G033	CH22			
2	SN72510FA	18	150m	20u	4.5m	7.5u	30u	10	2.5m	2.5	2.0m	5.0m	80	30n	07	G024	FP2t			
3	SN72810FA	18	150m	20u	4.5m	7.5u	30u	10	2.5m	2.5	2.0m	5.0m	80	30n	07	G028	FP2t			
4	TL510CL	18	150m	20u	4.5m	7.5u	30u	10	2.5m	2.5	2.0m	5.0m	80	30n	07	G069b	CN1k			
5	TL510CU	18	150m	20u	4.5m	7.5u	30u	10	2.5m	2.5	2.0m	5.0m	80	30n	07	G069c	A004AE			
6	TL810CL	18	150m	20u	4.5m	7.5u	30u	10	2.5m	2.5	2.0m	5.0m	80	30n	07	G028	CN1k			
7	RC710DB	18	150m	20u	5.0m	5.0u	25u	10	2.5	1.0	200	1.6m	60	40n	07	G001	14-12f			
8	RC710Q	18	150m	20u	5.0m	5.0u	25u	10	2.5	1.0	200	1.6m	60	40n	07	G001	FP2t			
9	uA710CL	18	150m	20u	5.0m	5.0u	25u	10	2.5	1.0	200	1.6m	60	40n	07	G001	CN1k			
10#	710-9-6E	18	150m	20u	6.5m	7.5u	40u	10	2.5	0.0	200	1.6m	60	40n	07	G001	14-4			
11#	710-9-36	18	150m	20u	6.5m	7.5u	40u	10	2.5	0.0	200	1.6m	60	40n	07	G001	TO91			
12	710CE	18	150m	20u	6.5m	7.5u	40u	10	2.5	1.0	200	500u	60	40n	07	G001	TO99			
13	710CH	18	150m	20u	6.5m	7.5u	40u	10	2.5	0.0	200	1.6m	60	40n	07	G001	FP5			
14	710CJ	18	150m	20u	6.5m	7.5u	40u	10	2.5	1.0	200	500u	60	40n	07	G001	8-1b			
15	710CL	18	150m	20u	6.5m	7.5u	40u	10	2.5	1.0	200	500u	60	40n	07	G001	TO116			
16	710CP	18	150m	20u	6.5m	7.5u	40u	10	2.5	1.0	200	500u	60	40n	07	G001	8-15			
17#	M51710T	18	150m	20u	6.5m	7.5u	40u	10	2.5	1.0	200	1.6m	60	100n	27	G001	TO78			
18	MIC710-5B	18	150m	20u	6.5m	7.5u	40u	10	2.5	0.0	200	1.6m	60	40n	07	G001	FP2b			
19	MIC710-5C	18	150m	20u	6.5m	7.5u	40u	10	2.5	0.0	200	1.6m	60	40n	07	G001	CN1a			
20	PA7710-39	18	150m	20u	6.5m	7.5u	40u	10	2.5	0.0	200	1.6m	60	40n	07	G001	CN1			
21	PD7710-39	18	150m	20u	6.5m	7.5u	40u	10	2.5	0.0	200	1.6m	60	40n	07	G001	MPZ			
22	PL7710-39	18	150m	20u	6.5m	7.5u	40u	10	2.5	0.0	200	1.6m	60	40n	07	G001	FP2c			
23	RC710BL	18	150m	20u	6.5m	7.5u	40u	10	2.5	1.0	200	1.6m	60	40n	07	G001	CH30			
24	RC710DN	18	150m	20u	6.5m	7.5u	40u	10	2.5	1.0	200	1.6m	60	40n	07	G001	8-1			
25	RC710DP	18	150m	20u	6.5m	7.5u	40u	10	2.5	1.0	200	1.6m	60	40n	07	G001	14-5			
26	RM710BD	18	150m	20u	6.5m	7.5u	40u	10	2.5	1.0	200	1.6m	60	40n	5C	G001	14-5			
27	RM710BQ	18	150m	20u	6.5m	7.5u	40u	10	2.5	1.0	200	1.6m	60	40n	5C	G001	FP2k			
28	RM710BT	18	150m	20u	6.5m	7.5u	40u	10	2.5	1.0	200	1.6m	60	40n	5C	G001	TO99			
29#	SFC2710E	18	150m	20u	6.5m	7.5u	40u	10	2.5	0.0	200	1.6m	60	40n	07	G001	TO116			
30#	SFC2710PC	18	150m	20u	6.5m	7.5u	40u	10	2.5	0.0	200	1.6m	60	40n	07	G001	TO91			
31	T1710J	18	150m	20u	6.5m	7.5u	40u	10	2.5	0.0	200	1.6m	60	40n	07	G001	TO116			
32	T2710F	18	150m	20u	6.5m	7.5u	40u	10	2.5	0.0	200	1.6m	60	40n	07	G001	TO91			
33	T2710J	18	150m	20u	6.5m	7.5u	40u	10	2.5	0.0	200	1.6m	60	40n	07	G001	TO116			
34	T2710V	18	150m	20u	6.5m	7.5u	40u	10	2.5	0.0	200	1.6m	60	40n	07	G001	TO99			
35	TDC2710	18	150m	20u	6.5m	7.5u	40u	10	2.5	0.0	200	1.6m	60	40n	07	G001	TO79			
36	TDC2710E	18	150m	20u	6.5m	7.5u	40u	10	2.5	0.0	200	1.6m	60	40n	07	G001	TO116			
37#	TL1710C	18	150m	20u	6.5m	7.5u	40u	10	2.5	1.0	200	1.6m	60	40n	07	G001	TO99			
38#	TL3710C	18	150m	20u	6.5m	7.5u	40u	10	2.5	1.0	200	1.6m	60	40n	07	G001	14-4f			
39	uA710CO	18	150m	20u	6.5m	7.5u	40u	10	2.5	1.0	200	1.6m	60	40n	07	G047	MPZ			
40	SN52710BF	18	150m	20u	7.5m	7.5u	80u	10	2.5	0.0	200	1.6m	60	70u	07	G001	TO89			
41	SN52710BL	18	150m	20u	7.5m	7.5u	80u	10	2.5	0.0	200	1.6m	60	70u	07	G001	CN1			
42	SN52710BN	18	150m	20u	7.5m	7.5u	80u	10	2.5	0.0	200	1.6m	60	70u	07	G001	14-4			
43	uA710B-3F	18	150m	20u	7.5m	7.5u	80u	10	2.5	0.0	200	1.6m	60	40n	5C	G001	TO91			
44	LA710AF	18	160m	10u	3.0m	7.0u	45u	10	2.5	0.0	200	2.0m	62	40n	5C	G001	FP2			
45	LA710AH	18	160m	10u	3.0m	7.0u	45u	10	2.5	0.0	200	2.0m	62	40n	5C	G001	CN1c			
46	LM710AF	18	160m	10u	3.0m	3.0u	45u	10	2.5	0.0	2.0	2.0m	62	40n	5C	G001	FP2			
47	LM710AH	18	160m	10u	3.0m	3.0u	45u	10	2.5	0.0	2.0	2.0m	62	40n	5C	G001	CN1c			
48#	MT710A	18	160m	10u	3.0m	7.0u	45u	10	2.5	1.0	200	2.0m	61	40n	5C	G001	CN1c			
49	LA710CF	18	170m	20u	6.5m	7.5u	40u	10	2.5	0.0	200	1.7m	60	40n	07	G001	FP2			
50	LA710CH	18	170m	20u	6.5m	7.5u	40u	10	2.5	0.0	200	1.7m	60	40n	07	G001	CN1c			
51	LA710CN	18	170m	20u	6.5m	7.5u	40u	10	2.5	0.0	200	1.7m	60	40n	07	G001	14-4			
52	LM710CF	18	170m	20u	6.5m	7.5u	40u	10	2.5	0.0	200	1.7m	60	40n	07	G001	FP2n			
53#	MT710C	18	170m	20u	6.5m	7.5u	40u	10	2.5	1.0	200	1.6m	60	40n	07	G001	CN1c			
54	LA710AG	18	174m	10u	2.0m	7.0u	45u	10	2.5	0.0	200	2.0m	62	40n	5C	G001	CN1c			
55	LA710CG	18	174m	20u	6.5m	7.5u	40u	10	2.5	0.0	200	1.7m	60	40n	07	G001	CN1c			
56	DM710F	18	175m	5.0u	6.0m	20u	150u	10	2.5	0.0	200	58	40n	5C	G001	FP2				
57	DM710H	18	175m	5.0u	6.0m	20u	150u	10	2.5	0.0	200	58	40n	5C	G001	CN1a				
58#	SN52710	18	175m	5.0u	6.0m	20u	150u	10	2.5	1.0	200	1.6m	57	40n	5C	G001	TO89			
59	SN52710FA	18	175m	5.0u	6.0m	20u	150u	10	2.5	1.0	200	5.0m	56	40n	5C	G001	FP2t			
60	SN52710N	18	175m	5.0u	6.0m	20u	150u	10	2.5	1.0	200	1.6m	57	40n	5C	G001	14-4h			
61	TL710ML	18	175m	5.0u	6.0m	20u	150u	10	2.5	1.0	200	1.6m	57	40n	5C	G001	CN1k			
62	DC710F	18	175m	7.5u	10m	25u	150u	10	2.5	0.0	200	58	40n	07	G001	FP2				
63	DC710H	18	175m	7.5u	10m	25u	150u	10	2.5	0.0	200	58	40n	07	G001	CN1a				
64	RM711DC*	18	180m	10u	6.0m	14u	150u	10	2.5m	2.5	1.0	200	680u	57	40n	5C	G006	14-12g		
65	RM711Q*	18	180m	10u	6.0m	14u	150u	10	2.5m	2.5	1.0	200	680u	57	40n	5C	G006	FP2z		
66	RM711T*	18	180m	10u	6.0m	14u	150u	10	2.5m	2.5	1.0	200	680u	57	40n	5C	G006	TO100		
67	RC711DC*	18	180m	20u	6.0m	25u	150u	10	2.5m	2.5	1.0	200	1.6m	57	40n	07	G006	14-12g		
68	RC711DP	18	180m	20u	6.0m	25u	150u	10	2.5m	2.5	1.0	200	1.6m	57	40n	07	G006	14-5		
69	RC711Q*	18	180m	20u	6.0m	25u	150u	10	2.5m	2.5	1.0	200	1.6m	57	40n	07	G006	FP2k		
70	RC711T*	18	180m	20u	6.0m	25u	150u	10	2.5m	2.5	1.0	200	1.6m	57	40n	07	G006	TO100		
71	RM711BD*	18	180m	20u	6.0m	25u	150u	10	2.5m	2.5	1.0	200	1.6m	57	40n	5C	G006	14-5		
72	RM711BL*	18	180m	20u	6.0m	25u	150u	10	2.5m	2.5	1.0	200	680u	58	40n	5C	G006	CH29		
73	RM711BQ*	18	180m	20u	6.0m	25u	150u	10	2.5m	2.5	1.0	200	1.6m	57	40n	5C	G006	FP2k		
74	RM711BT*	18	180m	20u	6.0m	25u	150u	10	2.5m	2.5	1.0	200	1.6m	57	40n	5C	G006	TO100		
75	RC711BL	18	180m	20u	10m	25u	150u	10	2.5m	2.5	1.0	200	680u	58	40n	07	G006	CH29		
76	711-1-5FØ	18	200m	5.0u	6.0m	20u	150u	10	2.5m	2.5	0.0	200	500u	58	40n	5C	G006	TO100		
77#	711-1-36	18	200m	5.0u	6.0m	20u	150u	10	2.5m	2.5	0.0	200	500u	58	40n	5C	G006	TO91		
78	711BEØ	18	200m	5.0u	6.0m	20u	150													

9. VOLTAGE COMPARATORS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	TYPE No.	PWR SUP @ 25°C		INPUT CHARACTERISTICS						OUTPUT CHAR. @ 25°C				W/C TRANSFER		T C		DRAWINGS
		RATED SPECS		OVER OPERATING TEMP. RANGE			@ 25°C			MIN. OUTPUT VOLTAGE		MAX. CURR. SINK		CHAR. @ 25°C		E O		
		1) TOT. VOLT (ΔV)	2) MAX IDLE P (W)	3) DRIFT (V/°C)	4) OFFSET (V)	OFFSET (A)	BIAS (A)	RANGE (ΔV)	CUR-MAX (A)	POS (V)	NEG (V)	MIN. RES. (Ω)	MIN. CURR. SINK (A)	VOLT. GAIN (dB)	RESP. TIME (s)	P E	M D	
1	711CE0	18.5	230m	5.0u	10m	25u	150u	10	2.5m	4.5	1.0	200	58	40n	07	G006	T098	
2	711CJ0	18.5	230m	5.0u	10m	25u	150u	10	2.5m	4.5	1.0	200	500u	56	40n	07	G006	8-1b
3	711CL0	18.5	230m	5.0u	10m	25u	150u	10	2.5m	4.5	1.0	200	500u	56	40n	07	G006	T0116
4	LA711CH0	18.5	230m	5.0u	10m	25u	150u	10	2.5m	2.5	0.0	200	500u	57	40n	07	G006	T0100
5	LA711CN0	18.5	230m	5.0u	10m	25u	150u	10	2.5m	2.5	0.0	200	500u	57	40n	07	G006	MPZ
6#	MA51711T0	18.5	230m	5.0u	10m	25u	150u	10	2.5m	6.5	1.0	200	500n	57	100n	27	G006	T0100
7#	MA711CL	18.5	230m	5.0u	10m	25u	150u	10	2.5m	2.5	1.0	200	500u	56	40	5C	G006	T099
8	MIC711-5B0	18.5	230m	5.0u	10m	25u	150u	10	2.5m	2.5	500m	200	500u	57	40n	07	G006	FP2b
9	MIC711-5C0	18.5	230m	5.0u	10m	25u	150u	10	2.5m	2.5	500m	200	500u	57	40n	07	G006	T0100
10#	SFC2711E0	18	230m	5.0u	10m	25u	150u	10	2.5m	2.5	0.0	200	500u	57	40n	07	G006	T0116
11#	SFC2711FC0	18	230m	5.0u	10m	25u	150u	10	2.5m	2.5	0.0	200	500u	57	40n	07	G006	T091
12	T2711F0	18.5	230m	5.0u	10m	25u	150u	10	2.5m	4.5	0.0	200	500u	57	40n	5C	G006	T091
13	T2711J0	18.5	230m	5.0u	10m	25u	150u	10	2.5m	4.5	0.0	200	500u	57	40n	5C	G006	T0116
14	T2711V0	18.5	230m	5.0u	10m	25u	150u	10	2.5m	4.5	0.0	200	500u	57	40n	5C	G006	T0100
15	TDC27110	18.5	230m	5.0u	10m	25u	150u	10	2.5m	4.5	0.0	200	500u	57	40n	5C	G006	T0100
16	TDC2711E	18.5	230m	5.0u	10m	25u	150u	10	2.5	4.5	0.0	200	500m	57	40	5C	G006	T0116
17#	TL711CL	18.5	230m	5.0u	10m	25u	150u	10	2.5m	2.5	1.0	200	500u	56	40	5C	G006	T0100
18#	TL1711C*	18.5	230m	5.0u	10m	25u	150u	10	2.5m	2.5	1.0	200	500u	56	40	07	G006	T0100
19#	TL2711C*	18.5	230m	5.0u	10m	25u	150u	10	2.5m	2.5	1.0	200	500u	56	40	07	G006	T0116
20	uA711B-3F0	18.5	230m	5.0u	10m	25u	150u	10	2.5m	2.5	0.0	200	500u	57	40n	07	G006	T091
21	T7711J0*	18.5	250m	5.0u	10m	25u	150u	10	2.5m	4.5	0.0	200	500u	57	40n	07	G007	T0116
22	TDC7711F0	18.5	250m	5.0u	10m	25u	150u	10	2.5m	4.5	0.0	200	500u	57	40n	07	G007	T0100
23	TDC7711F0	18.5	250m	5.0u	10m	25u	150u	10	2.5m	4.5	0.0	200	500u	57	40n	07	G001	T0100
24#	SAL1110	18	300m	10u	10m	25u	150u	10	2.5	2.5	0.0	200	80n	57	80n	06	G013	G013
25	RM1514DC	18.5	300m	3.0u	3.0m	7.0m	45u	10	2.5	2.5	1.0	200	2.8m	63	40n	5C	G012	14-21
26	RM1514DP	18.5	300m	3.0u	3.0m	7.0m	45u	10	2.5	2.5	1.0	200	2.8m	63	40n	5C	G012	T0116
27	T8711J0	18.5	300m	5.0u	6.0m	20u	150u	10	2.5m	4.5	0.0	200	5.0m	58	40n	07	G007	T0116
28	TDC47110	18.5	300m	5.0u	6.0m	20u	150u	10	2.5m	4.5	0.0	200	5.0	58	40n	5C	G006	T0100
29	TDC87110	18.5	300m	5.0u	6.0m	20u	150u	10	2.5m	4.5	0.0	200	500u	58	40n	5C	G007	T0100
30	TDC8711F0	18.5	300m	5.0u	6.0m	20u	150u	10	2.5m	4.5	0.0	200	2.6m	58	40n	5C	G007	T091
31	RC1414D	18	300m	5.0u	6.5m	7.5u	40u	10	2.5	2.5	1.0	200	1.6m	60	40n	07	G012	14-5
32	RC1414DP	18	300m	5.0u	6.5m	7.5u	40u	10	2.5	2.5	1.0	200	1.6m	60	40n	07	G012	T0116
33	RC1514D	18.5	300m	5.0u	6.5m	7.5u	40u	10	2.5m	2.5	1.0	200	1.6m	60	40n	07	G012	14-5
34	RC1514DP	18.5	300m	5.0u	6.5m	7.5u	40u	10	2.5m	2.5	1.0	200	1.6m	60	40n	07	G012	14-5
35	RM1414D	18	300m	5.0u	6.5m	7.5u	40u	10	2.5	2.5	1.0	200	1.6m	60	40n	07	G012	14-5
36	T9711J0*	18.5	300m	5.0u	10m	25u	150u	10	2.5m	4.5	0.0	200	2.6m	57	40n	07	G007	T0116
37	TDC57110	18.5	300m	5.0u	10m	25u	150u	10	2.5m	4.5	0.0	200	5.0m	57	40n	07	G006	T0100
38	TDC5711F0	18.5	300m	5.0u	10m	25u	150u	10	2.5m	4.5	0.0	200	500u	57	40n	07	G006	T091
39	TDC97110	18.5	300m	5.0u	10m	25u	150u	10	2.5m	4.5	0.0	200	2.6m	57	40n	07	G007	T0100
40	TDC9711F0	18.5	300m	5.0u	10m	25u	150u	10	2.5m	4.5	0.0	200	2.6m	57	40n	07	G007	T091
41	RM44430	18.5	300m	10u	3.0m	7.0u	40u	10	2.5	2.5	0.0	200	2.0m	62	40n	5C	G003	FP6a
42	RM4443D*	18.5	300m	10u	3.0m	7.0u	45u	10	2.5	2.5	1.0	200	2.0m	62	40n	5C	G003	14-5
43	RM4443J*	18.5	300m	10u	3.0m	7.0u	45u	10	2.5	2.5	1.0	200	2.0m	62	40n	5C	G003	FP6a
44	T1225F	18	300m	10u	3.5m	10u	75u	10	1.5m	2.5	0.0	300	10m	80	60n	5C	G006	T091
45	T1225J	18	300m	10u	3.5m	10u	75u	10	1.5m	2.5	0.0	300	10m	80	60n	5C	G006	T0116
46	T1225V	18	300m	10u	3.5m	10u	75u	10	1.5m	2.5	0.0	300	10m	80	60n	5C	G006	T0100
47	T2225F	18	300m	10u	3.5m	10u	75u	10	1.5m	2.5	0.0	300	10m	80	60n	07	G006	T091
48	T2225J	18	300m	10u	3.5m	10u	75u	10	1.5m	2.5	0.0	300	10m	80	60n	07	G006	T0116
49	T2225V	18	300m	10u	3.5m	10u	75u	10	1.5m	2.5	0.0	300	10m	80	60n	07	G006	T0100
50	T4711F	18	300m	10u	6.0m	10u	150u	10	2.5m	2.5	0.0	300	5.0m	73	40n	5C	G006	T091
51	T4711J	18	300m	10u	6.0m	10u	150u	10	2.5m	2.5	0.0	300	5.0m	73	40n	5C	G006	T0116
52	T4711V	18	300m	10u	6.0m	10u	150u	10	2.5m	2.5	0.0	300	5.0m	73	40n	5C	G006	T0100
53	T5711F	18	300m	10u	6.0m	15u	150u	10	2.5m	2.5	0.0	300	5.0m	73	40n	07	G006	T091
54	T5711J	18	300m	10u	6.0m	15u	150u	10	2.5m	2.5	0.0	300	5.0m	73	40n	07	G006	T0116
55	T5711V	18	300m	10u	6.0m	15u	150u	10	2.5m	2.5	0.0	300	5.0m	73	40n	07	G006	T0100
56	T3225F	18	300m	20u	5.0m	15u	100u	10	1.5m	2.5	0.0	300	10m	73	100n	07	G006	T091
57	T3225J	18	300m	20u	5.0m	15u	100u	10	1.5m	2.5	0.0	300	10m	73	100n	07	G006	T0116
58	T3225V	18	300m	20u	5.0m	15u	100u	10	1.5m	2.5	0.0	300	10m	73	100n	07	G006	T0100
59	RC4443C0	18.5	300m	20u	6.5m	7.5u	40u	10	2.5	2.5	1.0	200	1.6m	60	40n	07	G003	14-5
60	RC4443D*	18.5	300m	20u	6.5m	7.5u	40u	10	2.5	2.5	1.0	200	1.6m	60	40n	07	G003	14-5
61	RC4443J*	18.5	300m	20u	6.5m	7.5u	40u	10	2.5	2.5	1.0	200	1.6m	60	40n	07	G003	FP6a
62	LM161J	20	145m	3.0m	3.0m	3.0u	20u	10	200u	2.4	400msΔ	70	70	1	28	G039	14-20b	
63	LM261J	20	145m	3.0m	3.0m	3.0u	20u	10	200u	2.4	400msΔ	70	70	1	28	G039	14-20b	
64	LM361J	20	145m	3.0m	3.0m	3.0u	20u	10	200u	2.4	400msΔ	70	70	1	28	G039	14-20b	
65	LM161D	20	145m	3.0m	3.0m	3.0u	20u	12 Δ	200u	2.4	400msΔ	69	69	1	28	G039	14-20b	
66	LM161F	20	145m	3.0m	3.0m	3.0u	20u	12 Δ	200u	2.4	400msΔ	69	69	1	28	G039	FP29a	
67	LM261D	20	145m	3.0m	3.0m	3.0u	20u	12 Δ	200u	2.4	400msΔ	69	69	1	28	G039	14-32	
68	LM361D	20	150m	3.0m	3.0m	3.0u	30u	12 Δ	200u	2.4	400msΔ	69	69	1	28	G039	14-32	
69#	MT710	21	150m	3.0m	3.0m	7.0u	45u	10	2.5	2.5	1.0	200	2.0m	61	40n	5C	G011	CN1c
70	LM106F883	24	180m	10u	3.0m	7.0u	45u	10	3.3m	2.5	0.0	500m	100m	92	40n	28	G005	FP6f
71	LM206	24	162m	10u	3.0m	7.0u	45u	10	3.3m	2.5	0.0	500m	100m	92	40n	28	G005	CN1c
72	LM306	24	162m	20u	6.5m	7.5u	40u	10	3.3m	2.5	0.0	500m	100m	92	40n	28	G005	CN1c
73	LA108H	24	163m	10u	3.0m	7.0u	45u	10	3.3m	2.5	0.0	100m	92	28	28	G005	CN1c	
74	LA208H	24	163m	10u	3.0m	7.0u	45u	10</										

9. VOLTAGE COMPARATORS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER
(3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	TYPE No.	PWR SUP@25°C		INPUT CHARACTERISTICS						OUTPUT CHAR. @ 25°C				W/C TRANSFER		DRAWINGS			
		RATED SPECS		OVER OPERATING TEMP. RANGE			@ 25°C			MIN. OUTPUT VOLTAGE		MAX. OUT RES. (Ω)	MIN. CURR SINK (A)	CHAR. @ 25°C		E O M D P E	CKT.	OUT-LINE Δ-MO	
		1) TOT (ΔV)	2) MAX IDLE P (W)	3) DRIFT (V/°C)	4) OFFSET (V)	MAX VOLTAGE (V)	MAX CURRENT (A)	MIN CM RANGE (ΔV)	MIN STROBE CUR-MAX (A)	POS (V)	NEG (V)			VOLT. GAIN (dB)	RESP. TIME (s)				
1	HA2111	30	123m	4.0m	20n	150n	28 ↑							108 ↑	200n	5C		T099	
2	HA2211	30	123m	4.0m	20n	150n	28 ↑							106 ↑	200n	5C		T099	
3#	MT111	30	132m	4.0m	4.0m	20n	150n	28 ↑	3.0m					106 ↑	200n	5C	G016	CN1c	
4#	MT211	30	132m	4.0m	4.0m	20n	150n	28 ↑	3.0m					106 ↑	200n	5C		CN1c	
5	CM801L	30	153m	1.0u	2.8m	80n	1.4u	25		2.4	3.2 ↑		75mΔ	108	90n	5C	G052b	FP27	
6	CM902L	30	153m	1.5u	1.6m	12n	120n	25		2.4	3.2 ↑		75mΔ	108	160n	5C	G052b	FP27	
7	HA12111	30	185m	4.0m	4.0m	20n	150n	28 ↑	3.0m	28 ↑	0.0		8.0m	108 ↑	200n	5C	G016	T011b	
8	HA12211	30	185m	4.0m	4.0m	20n	150n	28 ↑	3.0m	28 ↑	0.0		8.0m	108 ↑	200n	5C	G016	T011b	
9	HA22111	30	185m	4.0m	4.0m	20n	150n	28 ↑	3.0m	28 ↑	0.0		8.0m	108 ↑	200n	5C	G016	T099	
10	HA22211	30	185m	4.0m	4.0m	20n	150n	28 ↑	3.0m	28 ↑	0.0		8.0m	108 ↑	200n	5C	G016	T099	
11	LM111HO3	30	185m	4.0m	4.0m	20u	150n	28 ↑	3.0m	28 ↑	0.0		8.0m	108	200n	5C	G056a	CN1d	
12	LM111L	30	185m	4.0m	4.0m	20m	150n	28 ↑	3.0m	35 ↑	400mΔ		8.0m	108 ↑	15n	5C	G016	CN1k	
13	LM211DE	30	185m	4.0m	4.0m	20n	150n	28 ↑	3.0m	35 ↓	1.5 Δ		8.0m	108	200n	5C	G056a	8-11j	
14	MLM111F	30	185m	4.0m	4.0m	20n	150n	28 ↑	3.0m	750m	1.5 Δ		8.0m	108	200n	5C	G055	T091	
15	MLM111L	30	185m	4.0m	4.0m	20n	150n	28 ↑	3.0m	750m	1.5 Δ		8.0m	108	200n	5C	G055b	T011e	
16	MLM211F	30	185m	4.0m	4.0m	20n	150n	28 ↑	3.0m	750m	1.5 Δ		8.0m	108	200n	5C	G055	T091e	
17	MLM211L	30	185m	4.0m	4.0m	20n	150n	28 ↑	3.0m	750m	1.5 Δ		8.0m	108	200n	5C	G055b	T011e	
18	F111D	30	185m	6.0m	3.0n	7.0n	7.0n	27 ↑	3.0m					108 ↑	200n	5C	G016	FP37	
19	LF111F	30	185m	6.0m	3.0n	7.0n	7.0n	27 ↑	3.0m					108 ↑	200n	5C	G016	FP37	
20	LF211D	30	185m	6.0m	3.0n	7.0n	7.0n	27 ↑	3.0m					108 ↑	200n	5C	G016	FP37	
21	LF211F	30	185m	6.0m	3.0n	7.0n	7.0n	27 ↑	3.0m					108 ↑	200n	5C	G016	FP37	
22	uAF111DM	30	185m	6.0m	3.0n	7.0n	7.0n	27 ↑	3.0m					108 ↑	200n	5C	G061	14-31b	
23	uAF111HM	30	185m	6.0m	3.0n	7.0n	7.0n	27 ↑	3.0m					108 ↑	200n	5C	G061	CN1d	
24	uA111RM	30	185m	6.0m	10m	70n	300n	28	3.0m	28	400m		8.0m	106	200n	5C	G016c	14-31b	
25	HA12311	30	187m	10m	10m	70n	300n	28 ↑	3.0m	28 ↑	0.0		8.0m	108 ↑	200n	07	G016	T011e	
26	HA22311	30	187m	10m	10m	70n	300n	28 ↑	3.0m	28 ↑	0.0		8.0m	108 ↑	200n	07	G016	T099	
27	LM311L	30	187m	10m	10m	70n	300n	28 ↑	3.0m	35 ↑	400mΔ		8.0m	106 ↑	15n	07	G016	CN1k	
28	LM311N8	30	187m	10m	10m	70n	300n	28 ↑	3.0m					108 ↑	200n	07	G056c	8-15	
29	MLM311F	30	187m	10m	10m	70n	300n	28 ↑	3.0m	750m	1.5 Δ			106	200n	07	G055	T091	
30	MLM311L	30	187m	10m	10m	70n	300n	28 ↑	3.0m	750m	1.5 Δ			106	200n	07	G055b	T011e	
31	SN72311FA	30	187m	10m	10m	70n	300n	28 ↑	3.0m	35 ↑	1.5 Δ		50m	128 ↑	15n	07	G016	FP2t	
32	uA311RC	30	187m	10m	10m	70n	300n	28 ↑	3.0m					88 ↑	200n	07	G016c	8-15	
33	LF311D	30	187m	15m	1.0n	3.0n	3.0n	27 ↑	3.0m					108 ↑	200n	07	G016	FP37	
34	LF311F	30	187m	15m	1.0n	3.0n	3.0n	27 ↑	3.0m					108 ↑	200n	07	G016	FP37	
35	HA2311	30	187m	10m	10m	300n	28 ↑							108 ↑	200n	07	G061	8-1a	
36	uAF311T	30	189m	10m	10m	75p	150p	27 ↑	3.0m					108 ↑	200n	07	G061	8-1a	
37	uAF311DC	30	189m	15m	1.0n	3.0n	3.0n	27 ↑	3.0m					108 ↑	200n	07	G061	14-31b	
38	uAF311HC	30	189m	15m	1.0n	3.0n	3.0n	27 ↑	3.0m					108 ↑	200n	07	G061	CN1d	
39	H8010C	30	195m	10u	Δ	50n	250n	20						88	200n	08		MP5ad	
40	LM119D883	30	240m	7.0m	100n	1.0u	28 ↑						3.2m	80	130n	5C	G035	14-8	
41	LM119D	30	240m	7.0m	100n	1.0u	28 ↑						3.2m	80	80n	5C	G035	14-32	
42	LM119F883	30	240m	7.0m	100n	1.0u	28 ↑						3.2m	80	130n	5C	G035	FP18	
43	LM219D	30	240m	7.0m	100n	1.0u	28 ↑						3.2m	80	80n	28	G035	14-32	
44	7100s	30	240m	10m	1.0m	14	14			10	10	300	20m	84	80n	07	Z027	CN20a	
45	5501	30	240m	10u	1.0m	400n	1.0u	14		10	10	300	25m	80	1.0u	07	G011	CN20a	
46	220s	30	240m	25u	1.0m	1.0u	30									28		MP113	
47	LM319D	30	282m	10m	300n	1.2u	28 ↑						3.2m	78	80n	07	G037	14-32	
48	LM319F	30	282m	10m	300n	1.2u	28 ↑						3.2m	92	80n	07	G035	FP37	
49	5385	30	300m	10u	1.0m	1.0u	6.0			2.0	0.0	2.0k	1.0m	80	100u	27			
50	9052	30	330m	50u	5.0mΔ	3.0u	30			2.5	300m	100	30m	86	60n	58		MP5bk	
51	4032-12C	30	360m	20m	80n	700n	20			4.0	0.0	3.0 ↑	100m	2.0m	28		MP5bz		
52	9053	30	390m	1.0m	Δ	10p	30p		5.0m	10	10	50	50m	57	20n	5A		MP5cg	
53	RM4441D*s	30	400m						1.5m	7.0	400m	15M	15M	30n*	5C	G014	14-5		
54	RM4441J*s	30	400m						1.5m	7.0	400m	15M	15M	30n*	5C	G014	FP6a		
55	5372A	30	450m	20u	10m	1.0u	1.0u	20					2.0m	80	15u	28			
56	uA1110M	30	495m	3.0m	10n	100n	30		3.0m	50 ↑	28 ↑		200 ↑	200n	5C	G061	8-11b		
57	uAF111H	30	500m		25p	50p	27 ↑									5C	G061	CN1d	
58	uAF311H	30	500m		75p	150p										07	G061	CN1d	
59	AD111	30	500m		4.0m	20n	150n	30	3.0m	0.0 ↑	5.0 ↑		200p	108	200n	5C		T099	
60	AD211	30	500m		4.0m	20n	150n	30	3.0m	0.0 ↑	5.0 ↑		200p	108	200n	5C		T099	
61	AD311#1	30	500m		10m	70n	300n	30	3.0m	0.0 ↑	5.0 ↑		200p	108	200n	07		T099	
62	AD311#2	30	500m		10m	70n	300n	30	3.0m	0.0 ↑	5.0 ↑		200p	108	200n	07		8-4	
63	4022-25	30	525m	200u	2.0m	20	20			10	500m					28		MP290g	
64	RM106BL	30	600m	10u	3.0m	7.0u	20u	10	3.2m	2.5				92 ↑	28n	5C	G054	CH27	
65	RC106BL	30	600m	20u	6.5m	7.5u	25u	10	3.2m	2.5				92 ↑	28n	07	G054	CH27	
66	MC1507L5	30	640m		250n	2.5u	11	5		4.0	50 Δ		3.2m	80	130n	5C	A238	16-1a	
67	MC1407L5	30	810m		400n	4.0u	11	5		4.0	50 Δ		3.2m	80	130n	07	A238	16-1a	
68	LM529H	32	140m		3.0m	3.0u	20u	12	1.6m				100 ↑	20mΔ	70	14n	5C		CN10e

LINEAR

10. SPECIAL FUNCTIONS

IN ORDER OF (1) USE (2) TOTAL VOLTAGE
(3) MAX IDLE POWER & (4) TYPE No.

LINEAR

LINE No.	TYPE No.	U S E	PWR SUP @25°C		MIN. INPUT		OUTPUT		T C E O M D P E	DRAWINGS	GENERAL DESCRIPTION	
			RATED VOLT. (ΔV)	3 MAX. IDLE P (W)	CHAR. IMPED- ANCE (Ω)	VOLT RANGE (ΔV)	CHAR. MAX. IMP. (Ω)	MIN VOLT RANGE (ΔV)				
1	RC102T	1	18	120m	4.5	12	1.0	19	07	A015 X116 X121	T099 MP5cq T099	Used With 279J. Curr Ampl Used W/OP Amp Loop;30MHz BW,40A/mA Gain
2	280-1	1	15	75m		12		19	28			
3	SH0002HC	1	24	240m	180k	20	10	19	08			
4	123K	1	25	125m	1.0G	75	100	15	25		MP194	Neg.Pol;Freq. 200kHz;Acc 1.0%;No 100dB.
5	123L	1	25	125m	1.0G	75	100	15	25		MP193a	Neg.Pol;Freq. 200kHz;Acc 1.0%;No 100dB.
6	125K	1	25	125m	1.0G	75	100	15	25		MP194	Pos.Pol;Freq. 200kHz;Acc 1.0%;No 100dB.
7	125L	1	25	125m	1.0G	75	100	15	25		MP193a	Pos.Pol;Freq. 200kHz;Acc 1.0%;No 100dB.
8	A190	1	30	120u	100G	24		24	28		MP58c	Gv 1.0t;BW 3dB 800kHz;SR 500mV/us*;RI 10kΩ.
9	A191	1	30	120u	100G	24		24	28		MP58c	Gv 1.0t;BW 3dB 800kHz;SR 500mV/us*;RI 10kΩ.
10	9001	1	30	5.0m	1.0G		30m	20	27			Buffer Amplifier.
11	B32	1	30	30m	10k		5.0	20	28		MP5j	Gv .95*;FP BW 1.0MHz*;ΔIo 100mA*;RI 200 Ω.
12	P66A	1	30	42m				20	28		CB1	Gv .95*;FP BW 10kHz*;RI 500 Ω.
13	PP66	1	30	42m				20	04		MP6b	Gv .95*;FP BW 10kHz*;RI 500 Ω.
14	PP66A	1	30	42m				20	04		MP6j	Gv .95*;FP BW 10kHz*;RI 100 Ω;SR 1V/usect.
15	HA2-2000	1	30	51m	1.0T	20		20	5C	Z287	T099	FET Preamp;BW 3db 10MHz;InpVos 25mV/tr 50ns.
16	HA2-2000A	1	30	51m	1.0T	20		20	5C	Z287	T099	FET Preamp;BW 3db 10MHz;InpVos 12mV/tr 50ns.
17	HA2-2005	1	30	51m	1.0T	20		20	07	Z287	T099	FET Preamp;BW 3db 10MHz;InpVos 25mV/tr 50ns.
18	HA2-2005A	1	30	51m	1.0T	20		20	07	Z287	T099	FET Preamp;BW 3db 10MHz;InpVos 12mV/tr 50ns.
19	H6030	1	30	60m	3.0M	40	45	20	4A		MP6h	Gv .95*;BW 13MHz*;SR 75V/us*;RI 500 Ω.
20	H6030C	1	30	60m	3.0M	40	45	20	4A		MP6h	Gv .95*;BW 13MHz*;SR 75V/us*;RI 500 Ω.
21	P5	1	30	68m	30k	32	150	20	06		MP7	Gv .95*;RI 500 Ω;FP BW 20kHz*;SR 0.2V/us*.
22#	MT102	1	30	120m	10G	30	2.5	20	5C	A002	CN1c	Volt.follower;T.C 6.0uV/C;Gv .999*.
23#	SFC2102	1	30	120m	100G		2.5	20	5C	A002	T099	Gv .999*;RI 0.8Ω
24	1719-17	1	30	150m			100	20	28		MP5ah	Gv 1.0t.
25	F0201	1	30	150m	100G	22	10m	20	28		MP5aj	Gv 1.0t;BW 1.0MHz;SR 1.5V/us;ΔIo 40mA.
26	F0202	1	30	150m	100G	22	10m	20	28		MP5aj	Gv 1.0t;BW 2.0MHz;SR 3.0V/us;ΔIo 40mA.
27	F0203	1	30	150m	100G	22	10m	20	28		MP5aj	Gv 1.0t;BW 5.0MHz;SR 7.5V/us;ΔIo 40mA.
28	F0204	1	30	150m	100G	22	10m	20	28		MP5aj	Gv 1.0t;BW 10MHz;SR 15V/us;ΔIo 40mA.
29	F0205	1	30	150m	100G	22	10m	20	28		MP5aj	Gv 1.0t;BW 15MHz;SR 25V/us;ΔIo 40mA.
30	F0206	1	30	150m	100G	22	10m	20	28		MP5aj	Gv 1.0t;BW 20MHz;SR 40V/us;ΔIo 40mA.
31	LA102H	1	30	165m	10G	30	2.5	20	5C	A002	CN1c	Gv .999;SR 10V/US Tc 6.0uV/C IS 5.5mA.
32	LA202H	1	30	165m	10G	30	2.5	20	28	Z047	CN7	Gv .999;SR 10V/US; Tc 15uV/C.
33	LA302	1	30	165m	1.0G	30	2.5	20	07	A002	CN7	Gv.99;RL8.0kΩ;Vo15mVΔ;Ii50nAΔ.
34	LA302H	1	30	165m	1.0G	30	2.5	20	07	A002	CN1c	Gv.99;RL8.0kΩ;Vo15mVΔ;Ii50nAΔ.
35#	MT102-883	1	30	165m		30	2.5	20	5C		CN1c	Volt.follower;Gv .999*;Vos 5.0mVΔ.
36#	MT202	1	30	165m	10G	30	2.5	20	28	A002	CN1c	Volt.follower;Gv .999*;Vos 10mVΔ.
37#	MT302	1	30	165m	1.0G	30	2.5	20	07	A002	CN1c	Volt.follower;Gv .998*;Vos 15mVΔ.
38	C800	1	30	180m		20		20	28		MP176	BW 3dB 2.0MHz min;MIN RL 1.000 (10-.05%)
39	FA201	1	30	180m	1.0T	20	200m	20	28		MP5s	Gv 1.0;BW3dB 500kHz*;SR 2.0V/usect;RI 2.0kΩ.
40	FA202	1	30	180m	1.0T	20	200m	20	28		MP5s	Gv 1.0;BW 3dB 500kHz*;SR 2.0V/usect;RI 2.0kΩ.
41	FA203	1	30	180m	1.0T	20	200m	20	28		MP5s	Gv 1.0;BW 3dB 500kHz*;SR 2.0V/usect;RI 2.0kΩ.
42	8106	1	30	240m	12M	1.2	130m	20	28	Z029	CN20c	Source;Io 3.0mA;Cd 5.0pF max.
43	9714	1	30	240m	1.0T	20	3.0m	20	58		MP6q	Gv 1.0;BW 20MHz;SR 15V/us;ΔIo 80mA.
44	9905	1	30	240m	100G	20	10	20	6C		8-8	Voltage Follower;Gv .97;SR ±1.0kV/us*.
45	H6050	1	30	240m	1.0M	48	15	20	4A		MP42b	Gv .90*;BW 15MHz*;SR 100V/us*;RI 100 Ω.
46	9120-15	1	30	300m			200	20	5A		MP2j	Gv 1.0t;FP BW 300kHz*;SR 18V/us*;RI 200 Ω.
47	1110B	1	30	300m	100k	24	10	20	58		MP2j	Current Booster;Voltage Gain .97;SR 900V/us.
48	9693	1	30	300m	2.0M	20	10	20	58		MP2j	Booster;Voltage Gain .93;SR 400V/us.
49	9746	1	30	300m	100G	20	30	20	5A		CN87a	Gv 1.0;BW 30MHz;SR 600V/us;ΔIo 100mA.
50	9810	1	30	300m	100k	24	10	20	58		MP268	Current Booster;Gv .97;SR ±900V/us*.
51	9162A	1	30	360m	1.0k	26	10	20	58		MP2j	Fast Booster;Voltage Gain .95;SR 1.8kV/us.
52	9271	1	30	360m	50k	20	10	20	25		MP2j	FP BW 10MHz; SR 600V/usΔ; RL33 ohms*.
53	9708	1	30	360m	100T	20	1.0k	20	58		MP2j	Gv 1.0;BW 30kHz;SR .2V/us;ΔIo 20.3mA.
54	10L3LB	1	30	450m	250k		200	20	58		MP111a	Gv 900m*;RL 100Ω.
55	3016-25	1	30	450m			400	20	5A		MP2f	Gv 1.0t;FP BW 300kHz*;SR 18V/us*;RI 100 Ω.
56	9162B	1	30	450m	10k	26	10	20	58		MP2j	Current Booster;Voltage Gain .90;SR 1.8kV/us.
57	BA100	1	30	450m	250k	32	5.0	20	28		MP6	Gi 66dB*FP BW 500kHz*;SR 25V/usect;RI 100Ωt.
58	BQ100	1	30	450m	300k		3.0	20	25		MP5	Gv .95*;FP BW 400kHz*;SR 35V/us;RI 100 Ω.
59	9146A	1	30	540m	10G	20		20	58		MP2j	FET Fast Follower;SR 600V/usec;BW 30MHz.
60	9162	1	30	660m	3.0k		10	20	05		MP2j	BW 100MHz.
61#	2022	1	30	750m	5.0k	26	1.0	26	08	Z228	MP295	Gv .99;BW 1.0MHz;Overload Protected.
62#	3022	1	30	750m	5.0k	26	1.0	26	08	Z228	MP295	Gv .99;BW 1.0MHz.
63#	9146	1	30	750m	3.0M	20	30	20	55		MP2j	FP BW 10MHz;SR 600V/usΔ;RI 3.0M Ω*.
64	9820	1	30	750m	500k	24	10	20	58		MP5bk	Current Booster;Gv .99;SR ±4.0kV/us*.
65	1518	1	30	900m	50k			20	48		MP2j	Offset Volt .60Vt at 25°C;Output Current-55±85mA
66	3069-49	1	30	1.1			1.0k	20	5A		MP2k	Gv 1.0t; FP BW 50kHz*; SR 3.0V/us*; RL50 ohm.
67	9510	1	30	1.2	3.0k	24	10	20	06		CN87a	Current Booster;Voltage Gain .95;SR 2.0kV/us.
68	9682	1	30	1.2	50k	24	5.0	20	27		MP2j	High Power Booster;Voltage Gain .95;SR 6.0kV/us.
69	9689	1	30	1.2	30k	24	5.0	20	5B		MP2j	Current Booster;Voltage Gain .90;SR 300V/us.
70	9690	1	30	1.2	1.0M	22	3.0	20	27		MP2j	Gv 1.0;BW 10MHz;SR 100V/us;ΔIo 6.0A.
71	9690A	1	30	1.2	1.0M	22	1.0	20	58		MP2j	Current Booster;Gv .95;SR ±100V/us*.
72	B34	1	30	1.5	40k	30	3.0	20	28		MP2j	Gv .95*;FP BW 15kHz;ΔIo 200mA*;RI 100 Ω.
73	2001	1	30	1.6	800k	32	2.0	20	26		MP124	Gv 900m*;FPBW 80kHz*;SR 10V/us;RL20Ω.
74	9691	1	30	2.2	1.0M	22	1.0	20	27		MP2j	Gv 1.0;BW 10MHz;SR 30V/us;ΔIo 20A.
75	9691A	1	30	2.2	1.0M	22	100m	20	58		MP2j	Booster;Voltage Gain .80;SR 20V/us.
76	FA501	1	30	3.0	100G	10	5.8	10	28		MP2j	Gv 1.0;BW 3dB 50MHz;SR 300V/usec;RL 50Ω
77	RM102T	1	36	120m	1.0G	30		20	5C	A002	T099	Gv.9996t.
78#	MT110	1	36	144m	10G	30	2.5	20	5C	A122	CN1c	Volt Follower;Gv .999V/V*;Vos 4.0mVΔ.
79#	MT120	1	36	144m	10G	30	2.5	20	28	A122	CN1c	Volt Follower;Gv .999V/V*;Vos 4.0mVΔ.
80	RC102C	1	36	150m	1.0G	30		20	07	A002	T099	Gv.9995t.
81	866	1	40	1.4	4.0k	40	10	56	5C	E006a	MP156a	Freq 40MHz;Gain 1.0
82	BML120	1	48	1.2	50k*		200	40	04		MP10a	Gv .95*; RL .20k ohmst.
83	BA720	1	48	1.9	100M	20	150m	20				Buffer Amp;ΔVo 20V;Accuracy ± 1.0mV.
84	SH720	1	48	3.2	100M	20	150m	20				Buffer Amp;ΔVo 20V;Accuracy ± 1.0mV.
85	SH725	1	48	4.8	80M	22	150m	20				Buffer Amp;ΔVo 20V;Accuracy ± 1.2mV.
86	9110	1	50	500m	100k	20	10	20	56		MP2j	FP BW 100kHzΔ;SR 6.0V/usΔ;RI 100 Ω*.
87	3017-25	1	52	780m			200	40	5A		MP2f	Gv 1.0t;FP BW 150kHz*;SR 18V/us*;RI 20 Ω.
88	9698	1	120	960m	10M	100	30	100	58		MP209	Gv .93;BW 60MHz;SR 1000V/us;ΔIo 100mA.
89	OSPB50-50	1	120	1.1	1.0M		10	100	28		CB2	Gv 10*;FP BW 20kHz*;SR 7.0V/us;RI 10 Ω*.
90	9800	1										

10. SPECIAL FUNCTIONS

IN ORDER OF (1) USE (2) TOTAL VOLTAGE
(3) MAX IDLE POWER & (4) TYPE No.

LINE No.	TYPE No.	U P E	PWR SUP @ 25°C		MIN. INPUT		OUTPUT		T C O M D	C K T.	D R A W I N G S	O U T- L I N E Δ = MO	GENERAL DESCRIPTION
			TOT. VOLT. (ΔV)	MAX. IDLE P (W)	IMPEDANCE (Ω)	VOLT RANGE (ΔV)	MAX. IMP. (Ω)	MIN VOLT RANGE (ΔV)					
1	1451CD2*	2	30	200m		10		24	07	Z403	16-16	Dynamic Range 120db;Error 2.5%Δ.	
2	1452CD1*	2	30	200m		10		24	07	Z404	16-16	Dynamic Range 120db;Error 1.25%Δ.	
3	1452CD2*	2	30	200m		10		24	07	Z404	16-16	Dynamic Range 120db;Error 2.5%Δ.	
4	2519	2	30	240m	1.0		1.0	20	27		MP12	Log Range 140db;ΔI ₁ 100pA to 10mA;BW 30Hz.	
5	369	2	30	270m	260	10m	1.0	1.0m	57		MP12	Dyn. Range 80dB;Tc 2mV/°C;BW DC to 1MHz.	
6	396	2	30	270m	260	20m	1.0	2.0m	57		MP12	Dyn. Range 80dB;Tc 2mV/°C;BW DC-1MHz.	
7	1896	2	30	360m	20k†	20	100	20 †	08		MP5ay	Rng. 80db;Acc. 1%;Tc 70mV/°C;BW 70kHz.	
8	2507	2	30	450m	10k	20	10	14	58		MP12	Log Range 80db;Acc. 1.0%;Tc BW 10kHz.	
9	395	2	30	510m	5.0k	250m	1.0	1.0m	58		MP12	Dyn. Range 80dB;Tc .05%FS/°C;BW DC to 100kHz.	
10	2245A	2	30	600m	10G	10	1.0	6.0	06			Log Range 80dB;Acc 3.0%;BW 10kHz;Tc .01%/°C.	
11	4116	2	30	660m	100k	10	10 †	20	07		MP290g	Log Amplifier, 120dB.	
12	2538	2	30	690m	100k	20	10	5.0	58		MP6q	Dyn. Range 80db*;Acc 2.0%;Tc ±.08%FS/°CΔ.	
13	376	2	30	750m		400m	30	1.0m	57		MP12	Dyn. Range 80dB;Tc 2mV/°C;BW DC to 3MHz.	
14	2245C	2	30	750m	10G	1.0m	1.0	4.0	27		MP12	Dyn. Range 80dB;Tc .04%FS/°C;BW DC to 3kHz.	
15	2357	2	30	750m	100		30	400m	57		MP12	Dyn. Range 8dB;Tc 2mV/°C;BW DC to 6MHz.	
16	2435	2	30	750m	1.0k*	1.0 Δ	1.0	8.0	58			Log Range 100dB;Acc 1.0%;BW 10kHz;Tc .01%/°C.	
17	2534	2	30	750m	500k	20	100	20	58		MP210	Dyn. Range 100db*;Acc 3.0%;Tc ±.1%/°CΔ.	
18	2544	2	30	1.1	1.0T	60	1.0k	350m	58	Z442	MP456	Log/Anti log Amp;Dynamic Range 100dB*;Err ±1.0%†.	
19	2268	2	30	1.8	1.0k*	1.0 Δ	30	1.0	05			Log Range 60dB;Acc 3.0%;BW 10MHz;Tc .10%/°C.	
20	2531	2	30	1.9	1.0k†	20	1.0	20	27		MP12	Dyn. Range 70db*;Tc ±.10%FS/°CΔ.	
21	2533	2	30	2.4	2.0k	20	1.0	20	58		MP211	Log Range 60dB;Acc 3.0%;BW 3.0MHz.	
22	2543	2	30	4.5	1.0k†	10	10	10	27		MP407	Dyn. Range 80db*;Acc 3.0%;Tc ±.03%/°CΔ.	
23	LGR6	2	32	224m	100k*			3.0m	55			Mod; Rng 100dB†; Tc .30%/deg.C†.	
24	236	2	50	1.0	10k*	500mΔ	1.0	10	05			Log Range 160db;Acc 3.0%;BW 30Hz;Tc .10%/°C.	
25	254A	2	50	1.5	10G	1.0	1.0	1.0	05			Log Range 60dB;Acc 3.0%;BW 100kHz;Tc .01%/°C.	
26	2277	2	115	690m	100k†	100	10 †	6.0 †	15		MP12	Dynamic Range 120db;Error ±2.0%Δ;Freq. 200k.	
27	519A	3	15	450m	10k	20	100	10	27			Acc 1.0%;FP BW 10MHz†;ΔI ₁ 10mA;Tc .05%/°C†.	
28	A8595# 1	3	15	750m	35m†	13 †	300k†	14 †	5C			4 Quadrant;BW3dB 3.0MHz;Common Mode Gain -60dB Typ	
29	519	3	25	750m	10k†	101 †	100 †	20 †	5C		MP12	Acc 1.0%;Tc 100mV/°C;BW 10MHz.	
30	5759	3	30	90m	100k	20	1.0	20	57		MP12	Acc 1.0%;BW 10kHz;ΔI ₁ 30mA.	
31	432K# 1	3	30	135m	10k	20	1.0	20	28		MP222	Acc 1.0%;FPBW 750kHz;3db 1.0MHz;ΔI ₁ ±5.0mA*.	
32	5887	3	30	135m	10M	20	1.0	20	28		MP80	Multiplication and Squaring;SR 1.5V/us.	
33	428J# 1	3	30	150m	25k	21		22	28		MP80	Acc 5%;FPBW 70kHz;3db 300kHz;ΔI ₁ ±11mA*.	
34	428K# 1	3	30	150m	25k	21		22	28		MP509a	Acc 1.0%;Tc 400uV/°C;BW 3db 1MHz;ΔI ₁ 5.0mA.	
35	4202A	3	30	150m	10k†	20 †	1.0 †	20	28		MP509a	Acc 600mV;Tc 400uV/°C;BW 3db 1MHz;ΔI ₁ 5.0mA.	
36	4202B	3	30	150m	10k†	20 †	1.0 †	20	28		MP508	Multi/Divider;Sq;Sq-Rooter;BW 600kHz*;Slew 6V/us†.	
37	M415	3	30	180m†	40k†		1.0	20	28		MP508	Multi/Divider;Sq;Sq-Rooter;BW 600kHz*;Slew 6V/us†.	
38	M416	3	30	180m†	40k†		1.0	20	28		MP150	Acc. 1% FS;3dB BW 400kHz;ΔI ₁ 10mA.	
39	107# 1	3	30	210m	10k			20	27				
40	M420	3	30	210m†	15k†	20	1.0	20	28		MP12	Acc 1.0%;Tc 5.0mV/°C;BW 3db 400kHz;ΔI ₁ 5.0mA.	
41	5485	3	30	240m	100k	20	1.0	20	57			Acc 1.0%;FP BW 15kHz†;ΔI ₁ 20mA;Tc .10%/°C†.	
42	5898	3	30	270m	50k	20	1.0	20	5A		MP282	Acc 1.0%;Tc .01%/°C;BW 3db 300kHz;ΔI ₁ 20mA.	
43	105	3	30	300m	5.0k†	20 †	15 †	20 †	06		MP103	Acc. 2.0% max;BW 10MHz;SR 250V/us.	
44	422J	3	30	300m	10k	20	3.0	20	05		MP80	Accuracy 1.0% BW FP 1.0MHz;3dB 5.0MHz;ΔI ₁ 20mA.	
45	5507	3	30	300m	4.0k	10m	100k†		5C	Z028	Acc. 80%;FP BW 5.0MHz;ΔI ₁ 6.0mA;Tc .05%/°C†.		
46	M415M	3	30	300m†	27k†	20	1.0	20	5C		MP204	Acc 1.0%;Tc 2.0mV/°C;BW 3db 750kHz;ΔI ₁ 5.0mA.	
47	M416M	3	30	300m†	27k†	20	1.0	20	5C		MP204	Acc 50%;Tc 1.0mV/°C;BW 3db 750kHz;ΔI ₁ 5.0mA.	
48	M425	3	30	300m†	27k†	20	1.0	20	28		MP12	Acc 1.0%;Tc 2.0mV/°C;BW 3db 500kHz;ΔI ₁ 5.0mA.	
49	M410	3	30	330m†	15k†	20	1.0	20	28		MP5bd	Acc 1.0%;Tc 2.0mV/°C;BW 3db 600kHz;ΔI ₁ 5.0mA.	
50	M410M	3	30	330m†	15k†	20	1.0	20	5C		MP5bd	Acc 1.0%;Tc 2.0mV/°C;BW 3db 600kHz;ΔI ₁ 5.0mA.	
51	MU4010	3	30	330m	10M	20	1.0	20	27		MP5s	Acc. 5%;Tc 3.0mV/°C;FP BW 100kHz;ΔI ₁ 10mA.	
52	MU4020	3	30	330m	10M	20	1.0	20	27		MP5s	Acc. 2%;Tc 3.0mV/°C;FP BW 150kHz;ΔI ₁ 10mA.	
53	MU4030	3	30	330m	10M	20	1.0	20	27		MP5s	Acc. 1%;Tc 3.0mV/°C;FP BW 200kHz;ΔI ₁ 10mA.	
54	MU4040	3	30	330m	10M	20	1.0	20	27		MP5s	Acc. .50%;Tc 3.0mV/°C;FP BW 200kHz;ΔI ₁ 10mA.	
55	MU4050	3	30	330m	10M	20	1.0	20	27		MP5s	Acc. .25%;Tc 3.0mV/°C;FP BW 200kHz;ΔI ₁ 10mA.	
56	MU4060	3	30	330m	10M	20	1.0	20	27		MP5s	Acc. .10%;Tc 3.0mV/°C;FP BW 1.0MHz;ΔI ₁ 10mA.	
57	405B	3	30	360m	1.0M	20		20	28		MP260	Acc 2%;3dB Small Signal 600kHz*.	
58	422A	3	30	360m	10k	21		22	28	X313	MP138	Wideband Multiplier.	
59	422K	3	30	360m	10k	21		22	28	X313	MP138	Wideband Multiplier.	
60	605J	3	30	360m	33k	20	1.0	20	28		MP6	4 Quad;1% Acc;Vi X and Y ±10V;FP BW 100kHz.	
61	5323A	3	30	360m	100k	20	1.0	20	28			Acc 1.0%;FP BW 1.0MHz;ΔI ₁ 15mA;Tc .01%/°C.	
62	5391	3	30	360m	10k†	50	1.0 †		57		MP12	Multiplier-Divider;BW300kHz.	
63	M401	3	30	360m	10k†	20	1.0	20	28		MP12	Acc Adj; Tc 2.0mV/deg.C; 1% BW 20kHz; ΔI ₁ 10mA.	
64	ZM605M20	3	30	360m†	50k	20	1.0	20	28		MP138	Four Quadrant;Acc 1.0%;BW 3dB;tracking ±1.0%.	
65	4097-25	3	30	375m†	1.0M†	20 †	1.0 †	20 †	26		MP290F	Transconductance Multiplier.	
66	4098-25	3	30	375m†	1.0M†	20 †	1.0 †	20 †	26		MP290F	Transconductance Multiplier.	
67	4094-15C	3	30	390m	20k†	20 †	3.0 †	20 †	28		MP299	Wideband Transconductance Multiplier.	
68	5627	3	30	450m	100k†	50	1.0 †		57		MP12	Multiplier-Divider;BW 100kHz.	
69	5897	3	30	450m	10M	20	1.0	20	58		MP268a	Acc 1.0%;Tc 1.0mV/°C;BW 3db 2.5MHz;ΔI ₁ 20mA.	
70	424J	3	30	480m	10k	20	100m	20	28		MP155a	Acc .10%;FPBW 40kHz;3db 100kHz;ΔI ₁ 7.0mA.	
71	424K	3	30	480m	10k	20	100m	20	28		MP155a	Acc .05%;FPBW 40kHz;3db 100kHz;ΔI ₁ 7.0mA.	
72	425J	3	30	480m	10k	20	100m	20	28		CB12	Acc .10%;FPBW 40kHz;3db 100kHz;ΔI ₁ 7.0mA.	
73	425K	3	30	480m	10k	20	100m	20	28		CB12	Acc .05%;FPBW 40kHz;3db 100kHz;ΔI ₁ 7.0mA.	
74	427J# 1	3	30	480m	10k†	21	100m	20	28		MP155a	Acc 25%;FPBW 30kHz;3db 100kHz;ΔI ₁ ±7.0mA*.	
75	427K# 1	3	30	480m	10k†	21	100m	20	28		MP155a	Acc 20%;FPBW 30kHz;3db 100kHz;ΔI ₁ ±7.0mA*.	
76	M505	3	30	510m†	10k†	20	100m	20	28		MP5be	Acc 1.0%;Tc 1.0mV/°C;BW 3db 5.0MHz;ΔI ₁ 10mA.	
77	M505M	3	30	510m†	10k†	20	100m	20	5C		MP5be	Acc 1.0%;Tc 1.0mV/°C;BW 3db 5.0MHz;ΔI ₁ 10mA.	
78	M506	3	30	510m†	10k†	20	100m	20	28		MP5be	Acc 50%;Tc .50mV/°C;BW 3db 5.0MHz;ΔI ₁ 10mA.	
79	M506M	3	30	510m†	10k†	20	100m	20	5C		MP5be	Acc 50%;Tc .50mV/°C;BW 3db 5.0MHz;ΔI ₁ 10mA.	
80	5050	3	30	540m	4.0k	20	100m	20	59		MP213	4 quadrant;Linearity 3%Δ;SR ±25V/us*.	
81	5229A	3	30	600m	10k†	20	100	20	05		MP12	Acc. 3.0%;Tc 100mV/°C;BW 100kHz.	
82	5229C	3	30	600m	10k	20	1.0	20	05			Acc 1.0%;FP BW 100kHz;ΔI ₁ 15mA;Tc .05%/°C†.	
83	M310M	3	30	600m†	1.0M†	20	500m	20	5C		MP12	Acc 1.0%;Tc .10mV/°C;BW 3db 1.0kHz;ΔI ₁ 5.0mA.	
84	M311M	3	30	600m†	1.0M†	20	500m	20	5C		MP12	Acc 0.5%;Tc .05mV/°C;BW 3db 1.0kHz;ΔI ₁ 5.0mA.	
85	M601	3	30	600m†	10k†	20	1.0	20	28		MP5be	Acc 1.0%;Tc 1.0mV/°C;BW 3db 1MHz;ΔI ₁ 5.0mA.	
86	M601M	3	30	600m†	10k†	20	1.0	20	5C		MP5be	Acc 1.0%;Tc 1.0mV/°C;BW 3db 1MHz;ΔI ₁ 5.0mA.	
87	M602	3	30	600m†	10k†	20	1.0	20	28		MP5be	Acc 50%;Tc .50mV/°C;BW 3db 1MHz;ΔI ₁ 5.0mA.	
88	M602M	3	30	600m†	10k†	20	1.0	20	5C		MP5be	Acc 50%;Tc .50mV/°C;BW 3db 1MHz;ΔI ₁ 5.0mA.	
89	MU401	3	30	600m	1.5k†	20 †	10m†	20 †	28		MP61	Acc 1.0%; BW FP 50kHz†; ΔI ₁ 40mA†.	
90	MU402	3	30	600m	1.5k†	20 †	10m†	20 †	28		MP61	Acc 50%; BW FP 100kHz†; ΔI ₁ 40mA†.	
91	MU403	3	30	600m	1.5k†	20 †	10m†	20 †	28		MP61	Acc 25%;BW FP 300kHz†;ΔI ₁ 40mA†.	
92	MU404	3	30	600m	1.5k†	20 †	10m†	20 †	28		MP61	Acc 10%;BW FP 500kHz†;ΔI ₁ 40mA†.	
93	MU405	3	30	600m	1.5k†	20 †	10m†	20 †	28		MP61	Acc 0.5%;BW FP 800kHz†;ΔI ₁ 40mA†.	
94	MU407	3	30	600m	1.5k†	20 †	10m†	20 †	28	</			

10. SPECIAL FUNCTIONS

IN ORDER OF (1) USE (2) TOTAL VOLTAGE
(3) MAX IDLE POWER & (4) TYPE No.

LINEAR

LINE No.	TYPE No.	U S E	PWR SUP @ 25°C		MIN. INPUT		OUTPUT		T C	E O M E	D R A W I N G S	G E N E R A L D E S C R I P T I O N
			TOT. VOLT. (ΔV)	3 MAX. IDLE P (W)	IMPEDANCE (Ω)	VOLT RANGE (ΔV)	MAX. IMP. (Ω)	MIN VOLT RANGE (ΔV)				
1	5805	3	30	1.0	10k	20	1.0k	20	56		MP12	Acc. 1.0% BW 3.0MHz; Tc 100m%/C.
2	5822	3	30	1.0	4.0k	50	1.0kt	20	56		MP12	Acc. 1.0% BW 30MHz; Tc 100m%/C.
3	102#1	3	30	1.2	60k	20			28		MP5av	Acc. ±20% max; BW 100Hz; Output XY/10; ΔIo 20mA.
4	104#1	3	30	1.2	60k	20			28		MP5av	Acc. ±10% max; BW 100Hz; Output XY/10; ΔIo 20mA.
5	109	3	30	1.2	10k	20		20	06	X319	MP149a	Acc. ±0.3% BW 100Hz; 10mA; Output XY/5Z.
6	4031-25	3	30	1.2	25k	20	1.0	20	26		MP2h	Acc. 5% Δ; Dr 1.0mV/CA#; 1% BW 3.0kHz; ΔIo 10mA.
7	5109A	3	30	1.2	10k	20	100	20	55		MP12	Acc. 1.0% Tc 100m%/C; BW 3.0MHz.
8	5109C	3	30	1.2	10k	20	100	20	25		MP12	Acc. 1.0% Tc 100m%/C; BW 3.0MHz.
9	5600	3	30	1.3	9.0k	18	15	15	25		MP12	Acc. 2.0% FP BW 5.0MHz; ΔIo 10mA; Tc 10%/C.
10	380CP4	3	30	1.5	10k	20	5.0	20	07		MP70	Acc. 50% Tc 2.5mV/CA; BW 10kHz; ΔIo 2.0mA.
11	380CP5	3	30	1.5	10k	20	5.0	20	07		MP69a	Acc. 50% Tc 2.5mV/CA; BW 10kHz; ΔIo 2.0mA.
12	380MP4	3	30	1.5	10k	20	5.0	20	58		MP70	Acc. 50% Tc 2.5mV/CA; BW 10kHz; ΔIo 2.0mA.
13	9380CP4	3	30	1.5	10k	20	5.0	20	07		MP70	Acc. 50% Tc 2.5mV/CA; BW 10kHz; ΔIo 2.0mA.
14	9380CP5	3	30	1.5	10k	20	5.0	20	07		MP69a	Acc. 50% Tc 2.5mV/deg.C; BW 30kHz; ΔIo 2.0mA.
15	9380MP4	3	30	1.5	10k	20	5.0	20	58		MP70	Acc. 50% Tc 2.5mV/deg.C; BW 30kHz; ΔIo 2.0mA.
16	4012-25	3	30	1.7	2.0k	20	5.0	20	28		MP2g	Acc. 25% Δ; Dr 50mV/CA#; 1% BW 40kHz; ΔIo 20mA.
17	4029-25	3	30	1.7	2.0k	20	5.0	20	28		MP2g	Acc. 25% Δ; Dr 1.0mV/CA#; 1% BW 5.0kHz; ΔIo 10mA.
18	4030-25	3	30	1.7	2.0k	20	5.0	20	28		MP2g	Acc. 25% Δ; Dr 50mV/CA#; 1% BW 10kHz; ΔIo 10mA.
19	4112-25	3	30	1.7	2.0k	20	5.0	20	28		MP2g	Acc. 5% Δ; Dr 1.0mV/CA#; 1% BW 30kHz; ΔIo 20mA.
20	384CP5	3	30	3.3	10k	20	5.0	2.0	07		MP69a	Acc. 20% Tc 50mV/deg.C; BW 4MHz; ΔIo 2.0mA.
21	5500	3	40	500m	3.0k	100m	20k	10	5C	Z002	CN1	BW 7.0MHz.
22	GEL1495	3	47	170m	20m	30	300k	28	07	X301	TO116	Acc. 4.0% Δ; BW 3dB 3.0MHz; Com. Mode GV 50dB.
23	GEL1595	3	47	170m	35m	30	300k	28	5C	X301	TO116	Acc. 2.0% Δ; BW 3dB 3.0MHz; Com. Mode GV 60dB.
24	LS1495	3	47	170m	20m	30	300k	28	07	X301	TO116	4 Quadrant Analog Multiplier.
25	LS1595	3	47	170m	35m	30	300k	28	5C	X301	TO116	4 Quadrant Analog Multiplier.
26	MC1495	3	47	170m	20m	30	300k	28	07	X301	TO116	4 Quadrant Analog Multiplier.
27	MC1595	3	47	170m	35m	30	300k	28	5C	X301	TO116	4 Quadrant Analog Multiplier.
28	N5595A	3	47	170m	20m	21	300k	28	07	Z128	14-12	Acc. 2.0% Δ; BW 3dB 3.0MHz; Common Mode Gain 50dB.
29	S5595F	3	47	170m	35m	23	300k	28	5C	Z128	14-11	Acc. 1.0% Δ; BW 3dB 3.0MHz; Common Mode Gain 60dB.
30	SG1495D	3	47	170m	20m	30	300k	28	07	X301	TO116	Acc. 4.0% Δ; BW 3dB 3.0MHz; Com. Mode GV 50dB.
31	VA6A159531	3	47	170m	35m	30	300k	28	5C	X301	TO116	Acc. 2.0% Δ; BW 3dB 3.0MHz; Com. Mode GV 60dB.
32	VA6A159539	3	47	170m	20m	30	300k	28	07	X301	TO116	Acc. 4.0% Δ; BW 3dB 3.0MHz; Com. Mode GV 50dB.
33	A8495#2	4	15	750m	20m	12	300k	14	07			Square Root; Error ±.75%
34	A8595#2	4	15	750m	35m	13	300k	14	06			Square Root; Error ±.5%
35	9874-19	4	30	90m	5.0k	10	1.0	20	5C		MP16a	Acc. 10% Δ; Tc 0.25%/C; 1% BW 100kHz.
36	9875-19	4	30	90m	5.0k	10	1.0	20	06		MP16a	Acc. 10% Δ; Tc 0.25%/C; 1% BW 100kHz.
37	432J#3	4	30	135m	10k	20	20	20	28		MP222	Square Root; Error ±100mV; Non-Linearity 8% Δ.
38	432K#3	4	30	135m	10k	20	20	20	28		MP222	Square Root; Error ±100mV; Non-Linearity 8% Δ.
39	428J#3	4	30	150m	25k	21	22	22	28		MP80	Square Root; Error ±50mV; Non-Linearity 25% Δ.
40	428K#3	4	30	150m	25k	21	22	22	28		MP80	Square Root; Error ±50mV; Non-Linearity 25% Δ.
41	5904	4	30	150m	10	10	1.0	20	5A		MP58f	Square, Square Root.
42	512	4	30	450m	10k	100m	1.0k	1.0m	05		MP12	Acc. 1.0% Δ; BW 1.0kHz.
43	513	4	30	450m	10k	100m	1.0k	1.0m	05		MP12	Acc. 1.0% Δ; BW 1.0kHz.
44	427J#3	4	30	480m	10k	21	20	20	28		MP155a	Square Root; Error ±20mV; Non-Linearity 08%.
45	427K#3	4	30	480m	10k	21	20	20	28		MP155a	Square Root; Error ±20mV; Non-Linearity 08%.
46	9848-19	4	30	510m	5.0k	10	400	10	28		MP16	Acc. 25% Δ; Tc 0.15%/C; 1% BW 10kHz.
47	9871-19	4	30	510m	5.0k	10	400	10	28		MP16	Acc. 25% Δ; Tc 15m%/C; 1% BW 10kHz.
48	LD1020	5	32						28	Z387	MP414	27MHz Osc for Transceiver; Vosc 0.4V; Io 3mA typ.
49	LD3210	5	9.0	36m					27	Z390	MP415d	Horizontal Osc for VTR; Δf 15.75kHz; Pd 300mW.
50	LD3200	5	9.0	41m					27	Z389	MP415d	Vertical Osc for VTR; Δf 60Hz; Pd 300mW.
51	XR2307P	5	12	625m	5.0k		10		07	X507		Voltage Controlled Oscillator; Stability 100ppm/C.
52	5217A	5	30	75m	15k	20	1.0	20	27		MP12	SinX function; Function Error ± 3.0% Δ.
53	5249A	5	30	150m	10k	20	1.0	20	27		MP12	Universal Non-Linear; (x/10) to y power function.
54	5040	5	30	270m	10k	10	1.0	10	5A		MP12	True RMS Converter; BW 0-100kHz; Error ±.5%.
55	545	5	30	300m	100k	100m	100m	10	28	X804	MP138a	Acc. ±0.1% 3db 100kHz; Full Power 8kHz.
56	R101M	5	30	300m	250k	20	1.0	10	5C		MP179a	V _o (DC) equal to V ₁ (RMS); BW 3db 1.0MHz; ΔIo 5.0mA.
57	4126-15C	5	30	390m	10k	10	500k	10	48		MP299a	Square Root Converter.
58	512-513	5	30	450m	10m	10	1.0	20	05		MP12	x square function; Dynamic error 3.0% F.S.
59	1453MD1	5	30	450m	500	200	200m	20	5C	Z405	18-16	Precision Waveform Generator/Volt. Controlled Osc.
60	1453MD2	5	30	450m	500	200	200m	20	5C	Z405	18-16	Precision Waveform Generator/Volt. Controlled Osc.
61	6250	5	30	540m	1.0k	20	20	20	5A		MP12	Display Background Generator.
62	6260	5	30	540m	1.0k	20	20	20	5A		MP12	Display Background Generator.
63	1453CP1	5	30	600m	500	200	200m	20	07	Z405	18-16	Precision Waveform Generator/Volt. Controlled Osc.
64	1453CP2	5	30	600m	500	200	200m	20	07	Z405	18-16	Precision Waveform Generator/Volt. Controlled Osc.
65	1453CP3	5	30	600m	500	200	200m	20	07	Z405	18-16	Precision Waveform Generator/Volt. Controlled Osc.
66	5712	5	30	600m	50k	20	1.0	20	27		MP12	RMS-Vector; Square root(x ² +y ²) function.
67	6210	5	30	600m	5.0k	10	1.0	20	58		MP12	Vector Generator; Hold Time 2.0us.
68	5249-5250	5	30	750m	10k	10	1.0k	20	05		MP12	x toy power function; Dynamic error 3.0% F.S.
69	6230	5	30	750m	5.0k	20	1.0	10	58		MP12	Vector Calculator; Set Up Time 10us.
70	6241	5	30	780m	1.0k	20	20	20	5A		MP12	Display Background Generator.
71	6251	5	30	780m	1.0k	20	20	20	5A		MP12	Display Background Generator.
72	5889	5	30	810m	6.5k	20	1.0	10	58		MP28a	True RMS Converter; Error 3% Δ; BW 1.0MHz.
73	6220	5	30	900m	5.0k	20	1.0	10	58		MP12	Vector Calculator; Set Up Time 10us.
74	6240	5	30	990m	2.0k	6.0	1.0	20	5A		MP12	Image Background Generator; SR ±50V/us.
75	6261	5	30	1.0	1.0k	20	20	20	5A		MP12	Display Background Generator.
76	4082-45	5	30	1.2	10k	10	5.0	20	28		CB8	Seg. 11; S1 Rng 4.0V/V; No 5.0mVΔ; 1% BW 1.0kHz.
77	5888	5	30	1.2	3.0k	10	10	2.0	27		MP270	Linear AGC; Input Range 60dB; Output 5dB.
78	5890	5	30	1.2	50k	20	1.0	20	58		MP269	Pin Cushion Correction; BW 3db 1.0MHz; Acc 1.7%.
79	9024	5	30	1.3	300	20	500	∅	59	Z445	MP459	Absolute Value Module; Input BW DC to 5MHz min.
80	C101	5	30	2.1	6.5k	9.0	150	10	28		MP206a	Pin cushion correction; BW 3db 1.0MHz; Acc. 10%.
81	6190	5	30	3.0	100k	20			5A		MP12	3D Reticle Generator.
82	6270	5	30	3.0			100	20	58		MP270a	Universal Image Gen; VS ±15V; Sin, Sq, Triangle
83	C100	5	30	6.0	670	9.0	50	10	28		MP206	Pin cushion correction; BW 3db 20MHz; Acc. 20%.
84	9009	5	36	60m			1.0	20	58		MP12	Differentiator, 6dB/OCT freq. roll off.
85	521-522	5	50	250m	10k	10	100k	20	05		MP12	SinX function; Dynamic error 3.0% F.S.
86	523-524	5	50	250m	5.0k	10	100k	20	05		MP12	Square root x function; Dynamic error 3.0% F.S.
87	5217	6	30	300m	10k	20	100	2.0	05		MP12	Acc 3.0% BW 3db 100kHz; Tc 10% FS/C.
88	5010	6	30	540m	100m	20	1.0	10	59		MP213	Acc 1.0% Δ; Tc ±0.5%/C; Freq 1.5MHz; SR 100V/us.
89	5748	6	30	540m	2.5k	20	1.0	20	27		MP12	Circle generator; sinX and cosX function.
90	5762	6	30	660m	2.5k	20	1.0					

10. SPECIAL FUNCTIONS

IN ORDER OF (1) USE (2) TOTAL VOLTAGE
(3) MAX IDLE POWER & (4) TYPE No.

LINE No.	TYPE No.	U	PWR SUP @25°C		MIN. INPUT		OUTPUT		T C E O M P E	DRAWINGS	GENERAL DESCRIPTION	
			RATED	SPECS	CHAR. @25°C	CHAR. @25°C	MAX. MIN	MIN RANGE				
			2 TOT. VOLT. (ΔV)	3 MAX. IDLE P (W)	IMPEDANCE (Ω)	VOLT RANGE (ΔV)	MAX. (Ω)	MIN RANGE (ΔV)		CKT.		
1#	LD3081	7	15	150m			22	15	28	X707	MP889 TO116	Two Stage Trans.LC Osc;Freq 1.7*-1.9ΔkHz
2	RV555DC	7	15	150m			22	15	28			
3	280	7	15	225m			1.0	13	28	X703	MP5cp	Used With 279J.
4	CO201	7	24	2.0			50	2.8	27		MPZ	Tc 100p/CA#; freq 1.0MHz or 5.0 MHz; Dr 10n/dayΔ.
5	CO202	7	24	2.0			50	2.8	27		MPZ	Tc 100p/CA#; freq 1.0MHz or 5.0 MHz; Dr 5n/dayΔ.
6	CO203	7	24	2.0			50	2.8	27		MPZ	Tc 100p/CA#; freq 1.0MHz or 5.0 MHz; Dr 3n/dayΔ.
7	CO204	7	24	2.0			50	2.8	27		MPZ	Tc 100p/CA#; freq 1.0MHz or 5.0 MHz; Dr 1n/dayΔ.
8	CO211	7	24	2.4			500	2.8	05		MPZ	Tc 500p/CA#; freq 1.0 MHz or 5.0 MHz; Dr 10u/dayΔ
9	CO212	7	24	2.4			500	2.8	05		MPZ	Tc 500p/CA#; freq 1.0 MHz or 5.0 MHz; Dr 50n/dayΔ
10	CO213	7	24	2.4			500	2.8	05		MPZ	Tc 500p/CA#; freq 1.0 MHz or 5.0 MHz; Dr 30n/dayΔ
11	CO214	7	24	2.4			500	2.8	05		MPZ	Tc 500p/CA#; freq 1.0 MHz or 5.0 MHz; Dr 10n/dayΔ
12	CO215	7	24	2.4			500	2.8	05		MPZ	Tc 500p/CA#; freq 1.0 MHz or 5.0 MHz; Dr 5n/dayΔ
13	CO216	7	24	2.4			500	2.8	05		MPZ	Tc 500p/CA#; freq 1.0 MHz or 5.0 MHz; Dr 3n/dayΔ
14	CO217	7	24	2.4			500	2.8	05		MPZ	Tc 500p/CA#; freq 1.0 MHz or 5.0 MHz; Dr 1n/dayΔ
15	TF120	7	28	224mf			600	2.8	08		MP94	Acc. 0.1%Δ; Dist 3.0%†;Freq 240-1.2 kHz;RL 600 ohms
16	3360	7	30	2			2.0	20	5A		MPZ	Tc 50%/CA#;Freq.0-100kHz;Distortion 0.1%.
17	A8495#3	8	15	750m	20M†	12 †	300k†	14 †	07			4 Quadrant;Outp Error ±1.5%;BW3dB 3.0MHz
18	A8595#3	8	15	750m	35M†	13 †	300k†	14 †	5C			4 Quadrant;Outp Error ±1.5%;BW3dB 3.0MHz
19	432J#2	8	30	135m	10k†	20	100m	20	28		MP222	Acc 2.0%;FPBW 750kHz;3db 1.0MHz;Io ±5.0mA*
20	432K#2	8	30	135m	10k†	20	100m	20	28		MP222	Acc 1.0%;FPBW 750kHz;3db 1.0MHz;Io ±5.0mA*
21	428J#2	8	30	150m	25k†	21	100m	22	28		MP80	Acc 50%;FPBW 70kHz;3db 300kHz;Io ±11mA*
22	428K#2	8	30	150m	25k†	21	100m	22	28		MP80	Acc 50%;FPBW 70kHz;3db 300kHz;Io ±11mA*
23	5120A	8	30	150m	1.0k†	50	1.0 †		08		MPZ	Maxium Static Error ± 1.0%FS
24	107#2	8	30	210m	10k			20	27		MP150	Acc. 1% FS;3dB BW 400kHz;Io 10mA.
25	D125A	8	30	210m†	20k†	20 †	1.0 †	20 †	28		MP222a	Acc. 1.0%;BW 1.0MHz;Io 5.0mA
26	D125B	8	30	210m†	20k†	20 †	1.0 †	20 †	28		MP222a	Acc 2.0%;BW 1.0MHz;Io 5.0mA
27	5061	8	30	240m	100k†	10 †	100m	10 †	5A		MP241a	Analog;Small Signal BW 300kHz min.
28	5060	8	30	300m	10k†	10 †	100m	10 †	5A		MP241a	Analog;Small Signal BW 2MHz
29	5062	8	30	300m	100k†	10 †	100m	10 †	5A		MP241a	Analog;Small Signal BW 300kHz min.
30	D5010	8	30	330m	100k	20	1.0	20	27		MP5s	Acc. 5%;Tc 3.0mV/°C;FP BW 100kHz;ΔIo 10mA.
31	D5020	8	30	330m	100k	20	1.0	20	27		MP5s	Acc. 2%;Tc 3.0mV/°C;FP BW 150kHz;ΔIo 10mA.
32	D5030	8	30	330m	100k	20	1.0	20	27		MP5s	Acc. 1%;Tc 3.0mV/°C;FP BW 150kHz;ΔIo 10mA.
33	D5040	8	30	330m	100k	20	1.0	20	27		MP5s	Acc. 50%;Tc 3.0mV/°C;FP BW 150kHz;ΔIo 10mA.
34	D5050	8	30	330m	100k	20	1.0	20	27		MP5s	Acc. 25%;Tc 3.0mV/°C;FP BW 150kHz;ΔIo 10mA.
35	D5060	8	30	330m	100k	20	1.0	20	27		MP5s	Acc. 10%;Tc 3.0mV/°C;FP BW 400kHz;ΔIo 10mA.
36	5895	8	30	450m	100k	10	1.0	10	58		MP241	BW 30kHz;SR ±2V/us*;Outp Noise 1mVrmsΔ.
37	427J#2	8	30	480m	10k†	21	100m	20	28		MP155a	Acc. 25%;FPBW 30kHz;3db 100kHz;Io ±7.0mA*
38	427K#2	8	30	480m	10k†	21	100m	20	28		MP155a	Acc. 20%;FPBW 30kHz;3db 100kHz;Io ±7.0mA*
39	DIV501	8	30	600m	1.5k	10	10m	20			MP62	Acc. 1.0%; BW 50kHz; ΔIo 40mA.
40	DIV502	8	30	600m	1.5k	10	10m	20			MP62	Acc. 50%; BW 100kHz; ΔIo 40mA.
41	DIV503	8	30	600m	1.5k	10	10m	20			MP62	Acc. 25%; BW 300kHz; ΔIo 40mA.
42	DIV504	8	30	600m	1.5k	10	10m	20			MP62	Acc. 10%; BW 500kHz; ΔIo 40mA.
43	DIV505	8	30	600m	1.5k	10	10m	20			MP62	Acc. 0.75%; BW 800kHz; ΔIo 40mA.
44	DIV506	8	30	600m	1.5k	10	10m	20			MP62	Acc. 0.5%; BW 1.0kHz; ΔIo 40mA.
45	102#2	8	30	1.2	60k	20 †			28		MP5av	Acc. 20mV max;BW 100Hz;ΔIo 20mA.
46	104#2	8	30	1.2	60k	20 †			28		MP5av	Acc. 10mV max;BW 100Hz;ΔIo 20mA.
47	5191B	8	30	1.2	10k†	50	10 †		06		MPZ	Wide Band Divider;Static Error ± 1.0FSD.
48	5196A	8	30	1.2	10k†	30	10 †		05		MPZ	4 Quadrant Divider;Static Error ± 1.0FSD.
49	A701#2	8	32	576m	500k	10		20	06		MP138a	Multiplier-Divider;BW 4.0MHz min.
50	A702#2	8	32	576m	500k	10		20	06		MP138a	Multiplier-Divider;BW 4.0MHz min.
51	4708-3	9		570m	1.0M†	24	50m		07	X903	MP508m	Freq 0.0-100kHz;FS Vo 0-9.9V;ΔVfs vs Temp44ppm/°CΔ
52	4706-02	9		1.0M†	20		50m		07	X904	MP508n	Freq 0.0-1.0MHz;FS Vo0-9.9V;ΔVfs vs Temp40ppm/°CΔ
53	LM2907J	9	12	72m					48	X901	14-49	Freq 1-10kHz;Lin 1.0%;Isink 50mA†;Gain 106dB†
54	LM2817J	9	12	72m					48	X901	14-49	Freq 1-10kHz;Lin 1.0%;Isink 50mA†;Gain 106dB†
55	AB402#2	9	12	240m	17k†	12 †		10 †	28	X907	MPZ	Linearity ±10%Δ;TC ±100ppm/°C;Freq Rng 0-200kHz∅
56	XR4151CT#2	9	15	90m		0.0	100m†		07	X908a	TO99	Freq 0-10kHz;Linearity ±0.05%;TC ±100ppm/°C Typ
57	XR4151MT#2	9	15	90m		0.0	100m†		5C	X908a	TO99	Freq 0-10kHz;Linearity ±0.05%;TC ±100ppm/°C Typ
58	XR4151T#2	9	15	90m		0.0	100m†		48	X908a	TO99	Freq 0-10kHz;Linearity ±0.05%;TC ±100ppm/°C Typ
59	5337	9	16	192m	10k	300m	10 †		27		MPZ	Transducer;Linearity±.30%FS;Freq. 100kHzΔ.
60	3337	9	30	240m	1.0M	300m	1.0		10	5	MP209a	Freq 0-100kHz*;TC ±.20%FS/°CΔ;Non-Linearity .3%Δ.
61	470210	9	30	360m	15M†	24	50m		07	X903	MP508m	Freq 0.0-100kHz;FS Vo10V;Vos±10mV;Linearity±.008%
62	3338	9	30	390m	1.0k	2.0	1.0	10	5A		MP5cf	Freq 0-10kHz;TC ±.01%/°CΔ;Non-Linearity .02%Δ.
63	3339	9	30	390m	1.0k	2.5	1.0	10	5A		MP5cf	Freq 0-100kHz;TC ±.01%/°CΔ;Non-Linearity .02%Δ.
64	AB400#2	9	30	450m	3.0k†	10	10	10	28	X913	MPZ	Linearity ±.05%Δ;TC ±150ppm/°C†;Freq 0-100kHz
65	3327	9	30	510m	10k	100m	1.0	10	5	27	MP241	Freq 0 to 2kHz;TC ±.01%FS/°CΔ;Non-Linearity .03%Δ
66	3328	9	30	510m	10k	100m	1.0	10	5	27	MP241	Freq 0 to 5kHz;TC±.01%FS/°CΔ;Non-Linearity .03%Δ
67	3330	9	30	510m	10k	300m	1.0	10	5	27	MP241	Freq 0-20kHz;TC ±.01%FS/°CΔ;Non-Linearity .03%Δ
68	3331	9	30	510m	10k	500m	1.0	10	5	27	MP241	Freq 0-50kHz;TC ±.01%FS/°CΔ;Non-Linearity .03%Δ
69	3332	9	30	510m	10k	100m	1.0	10	5	27	MP241	Freq 0-500Hz;TC ±.01%FS/°CΔ;Non-Linearity .03%Δ
70	3333	9	30	510m	10k	100m	1.0	10	5	27	MP241	Freq 0-200Hz;TC ±.01%FS/°CΔ;Non-Linearity .03%Δ
71	3371	9	30	510m	10k	100m	1.0	10	5	27	MP241	Freq 0-1kHz;TC ±.01%FS/°CΔ;Non-Linearity .03%Δ
72	3382	9	30	510m	10k	200m	1.0	10	5	27	MP241	Freq 0-100Hz*;TC ±.01%FS/°CΔ;Non-Linear .03%Δ
73	3383	9	30	510m	10k	1.0 †	1.0	10	27		MP241	Freq 0-100Hz*;TC ±.01%FS/°CΔ;Non-Linearity .03%Δ
74	4708-03	9	30	570m	1.0M†	24	50m	9.9 †	07	X903	MP508m	Freq 0.0-100kHz;ΔVfs vs Temp 6.0ppm/°CΔ
75	4710-3	9	30	570m	1.0M†	24	50m		07	X903	MP508m	Freq 0.0-100kHz;FS Vo 0-9.9V;Stab 6.0ppm/°CΔ.
76	571	9	30	750m	10k†	1.0 †	10 †	0.0	25		MPZ	Transducer;Freq Range 100-1.0kHz.
77	5182	9	30	750m	10k†	1.0 †	10 †	0.0	25		MPZ	Transducer;Freq Range 1.0k-10kHz.
78	5183	9	30	750m	10k†	1.0 †	10 †	0.0	25		MPZ	Transducer;Freq Range 10k-100kHz.
79	5184	9	30	750m	10k†	1.0 †	10 †	0.0	25		MPZ	Transducer;Freq Range 100k-1.0MHz.
80	3334	9	30	900m	5.0k	100m	1.0	10	5	27	MPZ	Freq 0-200kHz;TC ±.04%/°CΔ;Non-Linearity .1%Δ.
81	3335	9	30	900m	5.0k	100m	1.0	10	5	27	MPZ	Freq 0-500kHz;TC ±.04%/°CΔ;Non-Linearity .1%Δ.
82	3336	9	30	900m	5.0k	100m	1.0	10	5	27	MPZ	Freq 0-1MHz;TC ±.04%/°CΔ;Non-Linearity .1%Δ.
83	547	9	40	1.0M†	100m†	1.0 †	0.0		05		MPZ	Transducer;Freq Range 1-100kHz.
84	CO231VH	10	5.0	1.4	50k†						MPZ	OSC;Fo 25-70MHz;TTL Compatible;Freq Stab ±.001%
85	CO223V	10	15		50k†		50 †	.50 ∅			MPZ	OSC;Fo 5-149MHz;Freq Dev ±.003%;Freq Stab ±.001%
86	CO275VHA	10	24		50k†		50 †	.50			MPZ	OSC;Fo 100-400MHz;Freq Dev ±.10%;Freq Stab ±.01%
87	CO275VHB	10	24		50k†		50 †	.50			MPZ	OSC;Fo 100-400MHz;Freq Dev ±.10%;Freq Stab ±.001%
88	COP275VHA	10	24		50k†		50 †	.5				

10. SPECIAL FUNCTIONS

IN ORDER OF (1) USE (2) TOTAL VOLTAGE
(3) MAX IDLE POWER & (4) TYPE No.

LINEAR

LINE No.	TYPE No.	USE	PWR SUP @25°C		MIN. INPUT CHAR. @25°C		OUTPUT CHAR. @25°C		T E O P M D +	DRAWINGS		GENERAL DESCRIPTION
			2 TOT. VOLT. (ΔV)	3 MAX. IDLE P (W)	IMPEDANCE (Ω)	VOLT RANGE (ΔV)	MAX. IMP. (Ω)	MIN VOLT RANGE (ΔV)		CKT.	OUT-LINE Δ=MO	
1	5469WA	10	25 §	750m	50k	10 †	10k∅	420m	06	MPZ	Freq 500kHz; Δf 400HzΔ; Sen 100Hz/V; Acc 1.0%Δ.	
2	5472WA	10	25 §	750m	50k	10 †	10k∅	420m	06	MPZ	Freq 13MHz; Δf 50kHzΔ; Sen 6.0kHz/V; Acc 1.0%Δ.	
3	5615WXA	10	25 §	750m	50k	10 †	10k∅	420m	06	MPZ	Freq 100MHz; Δf 4.16kHzΔ; Sen 40kHz/V; Acc 1.0%Δ.	
4	5520WA	10	25 §	750m	50k	10 †	10k∅	420m	06	MPZ	Freq 17MHz; Δf 60kHzΔ; Sen 6.0 kHz/V; Acc 1.0%Δ.	
5	5524WA	10	25 §	750m	50k	10 †	10k∅	420m	06	MPZ	Freq 10MHz; Δf 12kHzΔ; Sen 1.2kHz/V; Acc 1.0%Δ.	
6	5533WXA	10	25 §	750m	50k	10 †	10k∅	420m	06	MPZ	Freq 100MHz; Δf 200kHzΔ; Sen 14kHz/V; Acc 1.0%Δ.	
7	5548WXA	10	25 §	750m	50k	10 †	10k∅	420m	06	MPZ	Freq 60MHz; Δf 144kHzΔ; Sen 15kHz/V; Acc 1.0%Δ.	
8	5559WA	10	25 §	750m	50k	10 †	10k∅	420m	06	MPZ	Freq 7.0MHz; Δf 400HzΔ; Sen 40Hz/V; Acc 1.0%Δ.	
9	5607WB	10	25 §	750m	50k	10 †	10k∅	420m	06	MPZ	Freq 2.5MHz; Δf 600HzΔ; Sen 75Hz/V; Acc 1.0%Δ.	
10	5616WB	10	25 §	750m	50k	10 †	10k∅	420m	06	MPZ	Freq 6.8MHz; Δf 200HzΔ; Sen 20Hz/V; Acc 1.0%Δ.	
11	5676WB	10	25 §	750m	50k	10 †	10k∅	420m	06	MPZ	Freq 133kHz; Δf 500HzΔ; Sen 50Hz/V; Acc 1.0%Δ.	
12	LS8038CC	10	30	450m			200	28	07	X505	Waveform Gen;Freq,Drift Stability 50ppm/°CΔ.	
13	4707-01	11		600m	12k†	2.0 †	670		05	X1109	MP508p Freq 100-5.0MHz;FS V0.9V;TC:±80ppm/°C of FSD.	
14	4707-02	11		600m	12k†	2.0 †	670		05	X1109	MP508p Freq 100-5.0MHz;FS V0.9V;TC:±40ppm/°C of FSD.	
15	5329	11		144m	30	1.0 *	1.0	2.0	27		MPZ	Output Freq. 0 to 100kHz;Linearity .3%.
16	A8404#2	11	12 §	240m	17k†	9.0 §			28	X1126	Linearity ±.40%;Freq Rng 0-1MHz∅	
17	XR4151CP	11	15 §	90m		0.0		100m†	07	X908	V/F,V Converter;Lin±0.05%;High Noise Rejection	
18	XR4151CT#1	11	15 §	90m		0.0		100m†	07	X908a	T099 Freq 0-10kHz;Linearity±0.05%;TC ±100ppm/°C Typ	
19	XR4151MT#1	11	15 §	90m		0.0		100m†	5C	X908a	T099 Freq 0-10kHz;Linearity±0.05%;TC ±100ppm/°C Typ	
20	XR4151P	11	15 §	90m		0.0		100m†	4C	X908	V/F,V Converter;Lin±0.05%;High Noise Rejection	
21	XR4151T#1	11	15 §	90m		0.0		100m†	48	X908a	T099 Freq 0-10kHz;Linearity±0.05%;TC ±100ppm/°C Typ	
22	uA4151HC	11	15 §	105m		0.0		10 §	07	X1137	CN1d Vos 10mVΔ;Ios ±100nAΔ;Iio 138.7uA†	
23	uA4151RC	11	15 §	105m		0.0		10 §	07	X1138	CN1d Vos 10mVΔ;Ios ±100nAΔ;Iio 138.7uA†	
24	RV4151T	11	15 §	112m		10m*		15 §	48	X1115	T099 TC ±100ppm/°C Typ;Linearity ±0.05% Typ	
25	3379	11	30	240m	200k	10		15	59	Z443	MP457 Volt Freq Convert;Freq 0-10kHz;Non-Linearity .03%Δ	
26	3380	11	30	240m	200k	10		15	59	Z443	MP457 Volt Freq Convert;Freq 0-10kHz;Non-Linearity.03%Δ	
27	uA4151HM	11	30	380m		5.0m	14k		5C		CN1d Monostable Multivibrator and a Precision Switch	
28	uA4151HV	11	30	380m		5.0m	14k		48		CN1d Monostable Multivibrator and a Precision Switch	
29	uA4151RM	11	30	380m		5.0m	14k		5C		8-11b Monostable Multivibrator and a Precision Switch	
30	uA4151RV	11	30	380m		5.0m	14k		48		8-11b Monostable Multivibrator and a Precision Switch	
31	uA4151TV	11	30	380m		5.0m	14k		48		8-11b Monostable Multivibrator and a Precision Switch	
32	3370	11	30	450m	100M	10 §	1.0		27		MP242 Freq 0-1kHz;TC ±0.1%FS/°CΔ;Non-Linearity .1%Δ.	
33	3374	11	30	450m	100M	10 §	1.0		27		MPZ Freq 0-10kHz;TC ±0.1%FS/°CΔ;Non-Linearity .1%Δ.	
34	3377	11	30	450m	100M	10 §	1.0		27		MPZ Freq 0-100Hz;TC ±0.1%FS/°CΔ;Non-Linearity .1%Δ.	
35	3378	11	30	450m	100M	10 §	1.0		27		MPZ Freq 0-10Hz;TC ±0.1%FS/°CΔ;Non-Linearity .1%Δ.	
36	4709-01	11	30	540m	23k†	10 §	3.0k	5.0 §	07	X1110	MP516a Freq 0.0-100kHz;Gain TC ±24ppm/°C of FSD	
37	4709-03	11	30	540m	23k†	10 §	3.0k	5.0 §	07	X1110	MP516a Freq 0.0-100kHz;Gain TC ±6.0ppm/°C of FSD	
38	4715-02	11	30	540m	47k	20	3.5k	5.0 §	06		MP516c Freq 0-10kHz;FS Stab TC ±15ppm/°C;NonLin ±1.0% FS	
39	4715-03	11	30	540m	47k	20	3.5k	5.0 §	06		MP516c Freq 0-10kHz;FS Stab TC ±5.0ppm/°C;NonLin ±1.0% FS	
40	470901	11	30	540m	23k†	3.0m*	3.0k		07	X1110	MP516a Freq 0.0-100kHz;Gain TC ±24ppm/°C of FSD.	
41	470903	11	30	540m	23k†	3.0m*	3.0k		07	X1110	MP516a Freq 0.0-100kHz;Gain TC ±6.0ppm/°C of FSD.	
42	5245	11	30	750m	5.0k†	0.0	100 †	1.0 †	25		MPZ Transducer;Freq Range 10k-100kHz.	
43	3329	11	30	810m	10k	10	1.0	10	27		MP209a Output Freq 0-100kHz;TC ±.20%FS/°CΔ.	
44	5213	11	30	1.2	1.0M†	0.0	100 †	1.0 †	05		MPZ Voltage to Period Transducer;Linearity ±.30%F.S.	
45	5214	11	30	1.2	1.0M†	0.0	100 †	1.0 †	05		MPZ Voltage to Period Transducer;Linearity ±.30%F.S.	
46	5215	11	30	1.2	1.0M†	0.0	100 †	1.0 †	05		MPZ Voltage to Period Transducer;Linearity ±.30%F.S.	
47	5216	11	30	1.2	1.0M†	0.0	100 †	1.0 †	05		MPZ Voltage to Period Transducer;Linearity ±.30%F.S.	
48	570	11	30	1.5	1.0M†	0.0	100 †	1.0 †	25		MPZ Transducer;Freq Range 100-1.0kHz.	
49	3375	11	30	1.5	100M	10 §	1.0		59		MPZ Freq 0-100kHz;TC ±.1%FS/°CΔ;Non-Linearity .1%Δ.	
50	3376	11	30	1.5	100M	10 §	1.0		59		MPZ Freq 0-1MHz;TC ±.1%FS/°CΔ;Non-Linearity .1%Δ.	
51	5174	11	30	1.5	1.0M†	0.0	100 †	1.0 †	25		MPZ Transducer;Freq Range 1.0k-10kHz.	
52	5175	11	30	1.8	1.0M†	0.0	100 †	1.0 †	25		MPZ Transducer;Freq Range 10k-100kHz.	
53	5176	11	30	1.8	1.0M†	0.0	100 †	1.0 †	25		MPZ Transducer;Freq Range 100k-1.0MHz.	
54	LM1913J	11	40 §	240m		13			25	X1103	14-49 Voltage/Temp to Freq Converter;IO 144uA	
55	LM2913J	11	40 §	240m		13			28	X1103	14-49 Voltage/Temp to Freq Converter;IO 144uA	
56	LM3913J	11	40 §	320m		13			07	X1103	14-49 Voltage/Temp to Freq Converter;IO 156uA	
57	LM3913N	11	40 §	320m		13			07	X1103	14-50 Voltage/Temp to Freq Converter;IO 156uA	
58	8530	11	125 §	375m†	1.0G†	5.0 §	51 †	4.0 §	07	X1133	MP689 Freq Out 10kHzΔ;Non-Linearity ±0.1%Δ;Ios 80dB*	
59	8532	11	125 §	375m†	1.0G†	5.0 §	51 †	4.0 §	07	X1133	MP689 Freq Out 10kHzΔ;Non-Linearity ±0.1%Δ;Ios 80dB*	
60	8534	11	125 §	375m†	1.0G†	5.0 §	51 †	4.0 §	07	X1133	MP689 Freq Out 10kHzΔ;Non-Linearity ±0.1%Δ;Ios 80dB*	
61	8536	11	125 §	375m†	1.0G†	5.0 §	51 †	4.0 §	07	X1133	MP689 Freq Out 10kHzΔ;Non-Linearity ±0.1%Δ;Ios 80dB*	
62	8540	11	125 §	375m†	1.0G†	5.0 §	51 †	4.0 §	07	X1133	MP689 Freq Out 10kHzΔ;Non-Linearity ±0.1%Δ;Ios 80dB*	
63	8542	11	125 §	375m†	1.0G†	5.0 §	51 †	4.0 §	07	X1133	MP689 Freq Out 10kHzΔ;Non-Linearity ±0.1%Δ;Ios 80dB*	
64	8544	11	125 §	375m†	1.0G†	5.0 §	51 †	4.0 §	07	X1133	MP689 Freq Out 10kHzΔ;Non-Linearity ±0.1%Δ;Ios 80dB*	
65	8546	11	125 §	375m†	1.0G†	5.0 §	51 †	4.0 §	07	X1133	MP689 Freq Out 10kHzΔ;Non-Linearity ±0.1%Δ;Ios 80dB*	
66	8550	11	125 §	375m†	1.0T†	5.0 §	51 †	4.0 §	07	X1133	MP689 Freq Out 10kHzΔ;Non-Linearity ±0.1%Δ;Ios 80dB*	
67	8552	11	125 §	375m†	1.0T†	5.0 §	51 †	4.0 §	07	X1133	MP689 Freq Out 10kHzΔ;Non-Linearity ±0.1%Δ;Ios 80dB*	
68	8554	11	125 §	375m†	1.0T†	5.0 §	51 †	4.0 §	07	X1133	MP689 Freq Out 10kHzΔ;Non-Linearity ±0.1%Δ;Ios 80dB*	
69	8556	11	125 §	375m†	1.0T†	5.0 §	51 †	4.0 §	07	X1133	MP689 Freq Out 10kHzΔ;Non-Linearity ±0.1%Δ;Ios 80dB*	
70	8531	11	252 §	133m†	1.0G†	5.0 §	51 †	4.0 §	07	X1133	MP689 Freq Out 10kHzΔ;Non-Linearity ±0.1%Δ;Ios 80dB*	
71	8533	11	252 §	133m†	1.0G†	5.0 §	51 †	4.0 §	07	X1133	MP689 Freq Out 10kHzΔ;Non-Linearity ±0.1%Δ;Ios 80dB*	
72	8535	11	252 §	133m†	1.0G†	5.0 §	51 †	4.0 §	07	X1133	MP689 Freq Out 10kHzΔ;Non-Linearity ±0.1%Δ;Ios 80dB*	
73	8537	11	252 §	133m†	1.0G†	5.0 §	51 †	4.0 §	07	X1133	MP689 Freq Out 10kHzΔ;Non-Linearity ±0.1%Δ;Ios 80dB*	
74	8541	11	252 §	133m†	1.0G†	5.0 §	51 †	4.0 §	07	X1133	MP689 Freq Out 10kHzΔ;Non-Linearity ±0.1%Δ;Ios 80dB*	
75	8543	11	252 §	133m†	1.0G†	5.0 §	51 †	4.0 §	07	X1133	MP689 Freq Out 10kHzΔ;Non-Linearity ±0.1%Δ;Ios 80dB*	
76	8545	11	252 §	133m†	1.0G†	5.0 §	51 †	4.0 §	07	X1133	MP689 Freq Out 10kHzΔ;Non-Linearity ±0.1%Δ;Ios 80dB*	
77	8547	11	252 §	133m†	1.0G†	5.0 §	51 †	4.0 §	07	X1133	MP689 Freq Out 10kHzΔ;Non-Linearity ±0.1%Δ;Ios 80dB*	
78	8551	11	252 §	133m†	1.0T†	5.0 §	51 †	4.0 §	07	X1133	MP689 Freq Out 10kHzΔ;Non-Linearity ±0.1%Δ;Ios 80dB*	
79	8553	11	252 §	133m†	1.0T†	5.0 §	51 †	4.0 §	07	X1133	MP689 Freq Out 10kHzΔ;Non-Linearity ±0.1%Δ;Ios 80dB*	
80	8555	11	252 §	133m†	1.0T†	5.0 §	51 †	4.0 §	07	X1133	MP689 Freq Out 10kHzΔ;Non-Linearity ±0.1%Δ;Ios 80dB*	
81	8557	11	252 §	133m†	1.0T†	5.0 §	51 †	4.0 §	07	X1133	MP689 Freq Out 10kHzΔ;Non-Linearity ±0.1%Δ;Ios 80dB*	
82	4085RM	14	15 *		1.0G	10	20 †	10 *	59	X141	MP914 PEAK DETECTOR;Hybrid Microcircuit	
83	3606HG	21	15 *		1.0	10 †	5.0m*	10 *	4A	X2101	MP713 AMPLIFIER-Isolation-Optically Coupled	
84	3606MG	21	15 *		1.0G	10 †	5.0m*	10 *	4A	X2101	MP713 AMPLIFIER-Isolation-Optically Coupled	
85	CO232-5	23	5.0						05		MP928 Same as CO232 Except Above 4MHz	
86	CO232TV	23	5.0						07		MP928 Same as CO232TV Plus VCXO Capability	
87	CO234B3	23	5.0						14.60		Same as CO234B Except Above 24kHz	
88	CO239AV	23	5.0						05		MP930 Same as CO239A Plus VCXO Capability	
89	CO231-1	23	5.0						48		MP922 Same as CO231 Except Below 60Hz	
90	CO231-3	23	5.0						05		MP922 Same as CO231 Except Above 50Hz	
91	CO231-4	23	5.0						05		MP922 Same as CO231 Except 12kHz-20MHz	
92	CO238V3	23	5.0						14.59		Same as CO238BV Except Above 24kHz	
93	CO251B16	23	5.0						05		MP919 OSC;TCXO;Fo to 20MHz;Sine/Logic Level Output	
94	CO251B18U	23	5.0						05		MP919 Same as CO251B16 Except SMB Connector	
95	CO251B18V	23	5.0						05		MP919 Same as CO251B16 Plus VCXO Capability	
96	CO251B18VU	23	5.0						05		MP919 Same as CO251B16V Except SMB Connector	
97	CO251B18VW	23	5.0						05		MP919 Same as CO251B18V Except SMA Connector	
98	CO251B18VX	23	5.0						05		MP919 Same as CO251B18V Except BNC Connector	
99	CO251B18W	23	5.0						05		MP919 Same as CO251B18 Except SMA Connector	
100	CO251B18X	23	5.0						05		MP919 Same as CO251B18 Except BNC Connector	
101	CO252B57KV	23	5.0						05		MP919 Same As CO252B58K Plus VCXO Capability	
102	CO252B57KVX	23	5.0									

10. SPECIAL FUNCTIONS

IN ORDER OF (1) USE (2) TOTAL VOLTAGE
(3) MAX IDLE POWER & (4) TYPE No.

LINE No.	TYPE No.	USE	PWR SUP @ 25°C RATED SPECS		MIN. INPUT CHAR. @ 25°C		OUTPUT CHAR. @ 25°C		T C E O M D P E	DRAWINGS	GENERAL DESCRIPTION
			TOT. VOLT. (ΔV)	MAX. IDLE P (W)	IMPED-ANCE (Ω)	VOLT RANGE (ΔV)	MAX. IMP. (Ω)	MIN VOLT RANGE (ΔV)			
1	CO233HR6	23	15				50 ↑	1.0 ∅	05	MP924	OSC; Fo 150-300MHz; Accuracy ±10ppm; Iin 20mA max
2	CO233HZ	23	15				50 ↑	50 ∅	5C	MP924	OSC; Fo 150-300MHz; Accuracy ±10ppm; Iin 20mA max
3	CO284XV1	23	15				50 ↑	50 ∅	58	MP927	Same As CO233WX Plus VCXO Capability; Thru 200MHz
4	CO284XV2	23	15				50 ↑	50 ∅	5C	MP927	Same As CO233WX Plus VCXO Capability; Thru 200MHz
5	CO284XV3	23	15				50 ↑	50 ∅	05	MP927	Same As CO233WX Plus VCXO Capability; Thru 200MHz
6	CO284XV4	23	15				50 ↑	50 ∅	05	MP927	Same As CO233WX Plus VCXO Capability; Thru 200MHz
7	CO284XV5	23	15				50 ↑	50 ∅	05	MP927	Same As CO233WX Plus VCXO Capability; Thru 200MHz
8	CO284XV6	23	15				50 ↑	50 ∅	05	MP927	Same As CO233WX Plus VCXO Capability; Thru 200MHz
9	CO284XV	23	15				50 ↑	50 ∅	07	MP927	Same as CO284X Plus VCXO Capability; Thru 200MHz
10	CO288-2	23	15				50 ↑	50 ∅	5C	MP922	OSC; Fo 1M-20MHz; Accuracy ±10ppm; Iin 20mA max
11	CO636AV1	23	15						58	14-61	Same as CO636AV Except -40°C Lower Limit
12	CO636AV3	23	15						05	14-61	Same as CO636AV Except 6-10MHz
13	CO636AV5	23	15						05	14-61	Same as CO636AV Except 4-10MHz
14	CO636AV	23	15						07	14-61	Same as CO636AV Plus VCXO Capability
15	VA5R159639	59								Z7105	Balanced Modulator-Demodulator.
16	VA5R159631	59	20 s	33mW	200kΩ	5.0	40kΩ	8.0	5C	Z7105	Balanced Mod.-DeMod. ΔVs 20s; Pd 33mW; Vo 8.0Vf.

LINEAR

11. POWER SUPPLIES

IN ORDER OF (1) USE (2) TYPE No.

LINEAR

LINE No.	TYPE No.	U	I	T	C	E	O	S	P	D	DRAWINGS		GENERAL DESCRIPTION
											CKT.	OUT-LINE Δ=MO	
1	1NT100	50	27									MP180a	Vi 115 VACt;Vo 1.0V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
2	1.5NT100	50	27									MP180a	Vi 115 VACt;Vo 1.5V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
3	1.5NT175	50	27									MP180a	Vi 115 VACt;Vo 1.5V;Io 1.75A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
4	2NT100	50	27									MP180a	Vi 115 VACt;Vo 2.0V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
5	2NT175	50	27									MP180a	Vi 115 VACt;Vo 2.0V;Io 1.75A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
6	3NT100	50	27									MP180a	Vi 115 VACt;Vo 3.0V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
7	3NT175	50	27									MP180a	Vi 115 VACt;Vo 3.0V;Io 1.75A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
8	3.6NT100	50	27									MP180a	Vi 115 VACt;Vo 3.6V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
9	3.6NT175	50	27									MP180a	Vi 115 VACt;Vo 3.6V;Io 1.75A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
10	3.6NT300	50	27									MP180	Vi 115 VACt;Vo 3.6V;Io 3.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
11	5E50	50	27									MP392	Regulated;Single Out;Fixed;Vi 105-125VAC/47-420Hz;Vo 5V/.5A;Reg;Load ±1%;Line ±.05%
12	5NT100	50	27									MP180a	Vi 115 VACt;Vo 5.0V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
13	5NT200	50	27									MP180a	Vi 115 VACt;Vo 5.0V;Io 2.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
14	6NT100	50	27									MP180a	Vi 115 VACt;Vo 6.0V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
15	6NT200	50	27									MP180	Vi 115 VACt;Vo 6.0V;Io 2.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
16	7NT100	50	27									MP180a	Vi 115 VACt;Vo 7.0V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
17	8NT100	50	27									MP180a	Vi 115 VACt;Vo 8.0V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
18	9NT100	50	27									MP180a	Vi 115 VACt;Vo 9.0V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
19	10NT100	50	27									MP180a	Vi 115 VACt;Vo 10V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
20	12D40	50	27									MP392	Regulated;Single Out;Fixed;Vi 105-125VAC/47-420Hz;Vo 12V/.4A;Reg;Load ±1%;Line ±.05%
21	12D120	50	27									MP393C	Regulated;Single Out;Fixed;Vi 105-125VAC/47-420Hz;Vo 12V/1.2A;Reg;Load ±15%;Line ±.05%
22	12NT100	50	27									MP180a	Vi 115 VACt;Vo 12V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
23	14NT100	50	27									MP180a	Vi 115 VACt;Vo 14V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
24	15NT100	50	27									MP180a	Vi 115 VACt;Vo 15V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
25	16NT200	50	27									MP180	Vi 115 VACt;Vo 16V;Io 2.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
26	18NT200	50	27									MP180	Vi 115 VACt;Vo 18V;Io 2.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
27	20NT100	50	27									MP180a	Vi 115 VACt;Vo 20V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
28	21E37	50	27									MP393	Vi 115VACt;Vo 21V;Io 370mA;Line Reg. .05%;Load Reg. .10%;Ripple 1.0mVrms.
29	24E06A	50	27									MP393	Regulated;Single Out;Fixed;Vi 105-125VAC/47-420Hz;Vo 34V/.06A;Reg;Load ±.02%;Line ±.02%
30	25E32	50	27									MP393	Vi 115VACt;Vo 25V;Io 320mA;Line Reg. .05%;Load Reg. .10%;Ripple 1.0mVrms.
31	26NT100	50	27									MP180	Vi 115 VACt;Vo 26V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
32	27E32	50	27									MP393	Vi 115VACt;Vo 27V;Io 320mA;Line Reg. .05%;Load Reg. .10%;Ripple 1.0mVrms.
33	28NT100	50	27									MP180	Vi 115 VACt;Vo 28V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
34	30NT100	50	27									MP180	Vi 115 VACt;Vo 30V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
35	32NT100	50	27									MP180	Vi 115 VACt;Vo 32V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
36	34NT100	50	27									MP180	Vi 115 VACt;Vo 34V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
37	36E05A	50	27									MP393	Regulated;Single Out;Fixed;Vi 105-125VAC/47-420Hz;Vo 36V/.05A;Reg;Load ±.02%;Line ±.02%
38	38NT100	50	27									MP180	Vi 115 VACt;Vo 38V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
39	40NT100	50	27									MP180	Vi 115 VACt;Vo 40V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
40	44NT100	50	27									MP180	Vi 115 VACt;Vo 44V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
41	46NT100	50	27									MP180	Vi 115 VACt;Vo 46V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
42	48NT100	50	27									MP180	Vi 115 VACt;Vo 48V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
43	55E04A	50	27									MP393	Regulated;Single Out;Fixed;Vi 105-125VAC/47-420Hz;Vo 55V/.04A;Reg;Load ±.02%;Line ±.02%
44	400D	50	27									MP537	Vi 105-125VAC;Vo ±15Vdc;Io 30mA;Reg Line and Load .01% max;Noise and Ripple 100uVRMS.
45	401D	50	27									MP537	Vi 105-125VAC;Vo ±15Vdc;Io 60mA;Reg Line and Load .01% max;Noise and Ripple 100uVRMS.
46	402A	50	27									MP537	Vi 210-235VAC;Vo ±15Vdc;Io 100mA;Reg Line and Load .01% max;Noise and Ripple 100uVRMS.
47	402C	50	27									MP537	Vi 105-125VAC;Vo ±15Vdc;Io 100mA;Reg Line and Load .01% max;Noise and Ripple 100uVRMS.
48	402D	50	27									MP537	Vi 105-125VAC;Vo ±15Vdc;Io 100mA;Reg Line and Load .01% max;Noise and Ripple 100uVRMS.
49	403A	50	27									MP537	Vi 210-235VAC;Vo ±18Vdc;Io 60mA;Reg Line and Load .01% max;Noise and Ripple 100uVRMS.
50	403C	50	27									MP537	Vi 105-125VAC;Vo ±18Vdc;Io 60mA;Reg Line and Load .01% max;Noise and Ripple 100uVRMS.
51	403D	50	27									MP537	Vi 105-125VAC;Vo ±18Vdc;Io 60mA;Reg Line and Load .01% max;Noise and Ripple 100uVRMS.
52	404D	50	27									MP537	Vi 105-125VAC;Vo ±12Vdc;Io 100mA;Reg Line and Load .01% max;Noise and Ripple 100uVRMS.
53	405D	50	27									MP537	Vi 105-125VAC;Vo ±15Vdc;Io 200mA;Reg Line and Load .01% max;Noise and Ripple 100uVRMS.
54	406D	50	27									MP537	Vi 105-125VAC;Vo ±12Vdc;Io 30mA;Reg Line and Load .01% max;Noise and Ripple 100uVRMS.
55	407D	50	27									MP537	Vi 105-125VAC;Vo ±12Vdc;Io 60mA;Reg Line and Load .01% max;Noise and Ripple 100uVRMS.
56	417D	50	27									MP537	Vi 105-125VAC;Vo ±6Vdc;Io 100mA;Reg Line and Load .01% max;Noise and Ripple 100uVRMS.
57	418D	50	27									MP537	Vi 105-125VAC;Vo ±6Vdc;Io 200mA;Reg Line and Load .01% max;Noise and Ripple 100uVRMS.
58	419D	50	27									MP537	Vi 105-125VAC;Vo ±8Vdc;Io 100mA;Reg Line and Load .01% max;Noise and Ripple 100uVRMS.
59	420A	50	27									MP537	Vi 210-235VAC;Vo ±8Vdc;Io 200mA;Reg Line And Load .01% max;Noise and Ripple 100uVRMS.
60	420D	50	27									MP537	Vi 105-125VAC;Vo ±8Vdc;Io 200mA;Reg Line and Load .01% max;Noise and Ripple 100uVRMS.
61	421D	50	27									MP537	Vi 105-125VAC;Vo ±12Vdc;Io 200mA;Reg Line and Load .01% max;Noise and Ripple 100uVRMS.
62	422A	50	27									MP537	Vi 210-235VAC;Vo ±18Vdc;Io 30mA;Reg Line and Load .01% max;Noise and Ripple 100uVRMS.
63	422D	50	27									MP537	Vi 105-125VAC;Vo ±18Vdc;Io 30mA;Reg Line and Load .01% max;Noise and Ripple 100uVRMS.
64	423D	50	27									MP537	Vi 105-125VAC;Vo ±18Vdc;Io 100mA;Reg Line and Load .01% max;Noise and Ripple 100uVRMS.
65	424D	50	27									MP537	Vi 105-125VAC;Vo ±18Vdc;Io 200mA;Reg Line and Load .01% max;Noise and Ripple 100uVRMS.
66	425D	50	27									MP537	Vi 105-125VAC;Vo ±24Vdc;Io 30mA;Reg Line and Load .01% max;Noise and Ripple 100uVRMS.
67	426D	50	27									MP537	Vi 105-125VAC;Vo ±24Vdc;Io 60mA;Reg Line and Load .01% max;Noise and Ripple 100uVRMS.
68	427D	50	27									MP537	Vi 105-125VAC;Vo ±24Vdc;Io 100mA;Reg Line and Load .01% max;Noise and Ripple 100uVRMS.
69	428A#1	50	27									MP537	Vi 210-235VAC;Vo ±15Vdc;Io 150mA;Reg Line and Load .01% max;Noise and Ripple 100uVRMS.
70	428A#2	50	27									MP537	Vi 210-235VAC;Vo 5Vdc;Io 150mA;Reg Line and Load .01% max;Noise and Ripple 100uVRMS.
71	428C#1	50	27									MP537	Vi 105-125VAC;Vo ±15Vdc;Io 150mA;Reg Line and Load .01% max;Noise and Ripple 100uVRMS.
72	428C#2	50	27									MP537	Vi 105-125VAC;Vo±5Vdc;Io 150mA;Reg Line And Load .01% max;Noise and Ripple 100uVrms.
73	428D#1	50	27									MP537	Vi 105-125VAC;Vo ±15Vdc;Io 150mA;Reg Line and Load .01% max;Noise and Ripple 100uVRMS.
74	428D#2	50	27									MP537	Vi 105-125VAC;Vo 5Vdc;Io 100mA;Reg Line and Load .01% max;Noise and Ripple 100uVRMS.
75	429A#1	50	27									MP537	Vi 210-235VAC;Vo ±15Vdc;Io 300mA;Reg Line and Load .03% max;Noise and Ripple 100uVRMS.
76	429A#2	50	27									MP537	Vi 210-235VAC;Vo 5Vdc;Io 300mA;Reg Line and Load .03% max;Noise and Ripple 100uVRMS.
77	429C#1	50	27									MP537	Vi 105-125VAC;Vo ±15Vdc;Io 300mA;Reg Line and Load .03% max;Noise and Ripple 100uVRMS.
78	429C#2	50	27									MP537	Vi 105-125VAC;Vo±5Vdc;Io 300mA;Reg Line And Load .03% max;Noise and Ripple 100uVrms.
79	429D#1	50	27									MP537	Vi 105-125VAC;Vo ±15Vdc;Io 300mA;Reg Line and Load .03% max;Noise and Ripple 100uVRMS.
80	429D#2	50	27									MP537	Vi 105-125VAC;Vo 5Vdc;Io 500mA;Reg Line and Load .03% max;Noise and Ripple 100uVRMS.
81	501	50	28									MPZ	ΔVi 322Vt;ΔVo±15Vt;Io±120mA;No 1.0mVΔ;freq 47-420Hz;Tc .005%/Ct;Reg .1%Δ.
82	505	50	28									MPZ	ΔVi 322Vt;ΔVo±28Vt;ΔIo±60mA;No 1.0mVΔ;freq 47-420Hz;Tc .005%/Ct;Reg .1%Δ.
83	518Δ	50	07									MP98	Vi 125V max;ΔVo 30V;Io 20mA;Reg 2.0%;Rpl 20mV.
84	516Δ	50	27									MPZ	Vi-115VRMS;Vo±15Vt;ΔIo-50mA;No-2.0mVΔ;freq-60-420Hz;Tc-.02%/Ct;Reg-.10%Δ.
85	521	50	28									MPZ	ΔVi 644Vt;ΔVo±15Vt;ΔIo±120mA;No 1.0mVΔ;freq 47-420Hz;Tc .005%/Ct;Reg .1%Δ.
86	524Δ	50	06									MP288a	Vi 250VACΔ, 47-1.0kHz;Vo±15V;Io 400mAΔ;Reg line and load .10%Δ;Tc .02%/CΔ.
87	541	50	48									MP288a	Vi 250 VACΔ, 47-1.0kHz;Vo±15V;Io 240mAΔ;Reg line and load .10%Δ;Tc .02%/CΔ.
88	570	50	27									MP285	Vi 125 VACΔ, 50-400Hz;Vo±12V;Io 200mAΔ;Reg line and load .05%Δ;Tc .04%/CΔ.
89	571	50	27									MP285a	Vi 125VACΔ, 50-400Hz;Vo±18V;Io 130mAΔ;Reg line and load .05%Δ;Tc .04%/CΔ.
90	572	50	27									MP285a	Vi 125 VACΔ, 50-400Hz;Vo±28V;Io 100mAΔ;Reg line and load .05%Δ;Tc .04%/CΔ.
91	580	50	27									MP285	Vi 125 VACΔ, 50-400Hz;Vo 10V;Io 120mAΔ;Reg line and load .02%Δ;Tc .02%/CΔ.
92	581	50	27									MP285	Vi 125 VACΔ, 50-400Hz;Vo 12V;Io 100mAΔ;Reg line and load .02%Δ;Tc .02%/CΔ.
93	711	50	27					</					

11. POWER SUPPLIES

IN ORDER OF (1) USE (2) TYPE No.

LINEAR

LINE No.	TYPE No.	U S E	T E M P E	C O D E	DRAWINGS CKT. OUT- LINE Δ=MO	GENERAL DESCRIPTION
1	892	50	28		MP2	Vi 115V;ΔVo±15V;Io 100mA;Line and Load Reg .02%.
2	901A	50	07		MP81b	Vi 115VACT;Vo±15V at 40mA;TC 30m%/°C;Reg. line 100m%Δ, load 200m%Δ.
3	901E	50	07		MP81b	Vi 220VACT;Vo±15V at 40mA;TC 30m%/°C;Reg. line 100m%Δ, load 200m%Δ.
4	909	50	27		MP81b	Vi 105-125VAC,50-400Hz;Vo ±12V;Io 50mA;Line,Load Reg .02%Δ;Rpl 1.0mVrmsΔ;Error ±1%Δ.
5	916	50	27		MP427	Vi 105-125VAC,50-400Hz;Vo ±15V;Io ±300mA;Line .05%Δ,Load Reg .1%Δ;Rpl 1.0mVrmsΔ;Error±1%Δ
6	917	50	27		MP427	Vi 105-125VAC,50-400Hz;Vo±15V;Io±500mA;Line .05%Δ,Load Reg .1%Δ;Rpl 1.0mVrmsΔ;Error±1%Δ.
7	918	50	27		MP428	Vi 105-125VAC,50-400Hz;Vo±15V;Io±1.0A;Line .05%Δ,Load Reg .1%Δ;Rpl 1.0mVrmsΔ;Error ±1%Δ.
8	931	50	27		MP81b	Vi 105-125VAC,50-400Hz;Vo ±18V;Io 25mA;Line,Load Reg .2%Δ;Rpl 1.0mVrmsΔ;Error ±1%Δ.
9	932	50	27		MP81	Vi 105-125VAC,50-400Hz;Vo ±18V;Io 100mA;Line,Load Reg .02%Δ;Rpl 1.0mVrmsΔ;Error ±1%Δ.
10	933	50	27		MP81b	Vi 105-125VAC,50-400Hz;Vo ±24V;Io 50mA;Line,Load Reg .02%Δ;Rpl 1.0mVrmsΔ;Error ±1%Δ.
11	935	50	27		MP81b	Vi 105-125VAC,50-400Hz;Vo ±18V;Io 50mA;Line,Load Reg .02%Δ;Rpl 1.0mVrmsΔ;Error ±1%Δ.
12	971	50	27		MP426	Vi 90-260VAC,50-400Hz;Vo ±12V;Io 240mA;Line,Load Reg .05%Δ;Rpl 1.0mVrmsΔ;Error ±2%Δ.
13	1784	50	07		MP397	Dual;Vi 115VACT;Vo ±15V;Io 100mA;Line Reg .05%;Load Reg .1%.
14	2203-21	50				Vi 230VAC at 50-400Hz;Vo ±15VDC at ±100mA;Reg Line ±0.3%Δ,Load ±0.3%Δ;Rpl 1.0mVrms.
15	2204-21	50				Vi 230VAC at 50-400Hz;Vo ±15VDC at ±50mA;Reg Line ±0.3%Δ,Load ±0.15%Δ;Rpl 1.0mVrms.
16	2206-21	50				Vi 230VAC at 50-400Hz;Vo 5.0VDC at 500mA;Reg Line ±1.0%Δ,Load ±1.5%Δ;Rpl 2.0mVp-p.
17	2207	50				Vi 115VAC ±10%;Vo ±15 at ±500mA;Reg ±0.05%;TC ±0.03%/°C.
18	2212	50			Y5002	MP688a Vi 115VAC at 50-400Hz;Vo ±15VDC at ±100mA;Reg Line ±0.5%Δ,Load ±1.1%Δ;Rpl 1.0mVrms.
19	2212-21	50			Y5002	MP688a Vi 230VAC at 50-400Hz;Vo ±15VDC at ±100mA;Reg Line ±0.5%Δ,Load ±1.1%Δ;Rpl 1.0mVrms.
20	2216	50			Y5002	MP688b Vi 115VAC at 50-400Hz;Vo ±26VDC at ±55mA;Reg Line ±0.5%Δ,Load ±0.5%Δ;Rpl 1.0mVrms
21	2216-21	50			Y5002	MP688b Vi 230VAC at 50-400Hz;Vo ±26VDC at ±55mA;Reg Line ±0.5%Δ,Load ±0.5%Δ;Rpl 1.0mVrms
22	2230	50			Y5002	MP688a Vi 115VAC at 50-400Hz;Vo ±12Vdc at ±25mA;Reg Line ±2.2%Δ,Load ±2.2%Δ;Rpl 2.0mVrms.
23	2230-21	50			Y5002	MP688a Vi 230VAC at 50-400Hz;Vo ±12VDC at ±25mA;Reg Line ±2.2%Δ,Load ±2.2%Δ;Rpl 2.0mVrms.
24	2231	50			Y5002	MP688a Vi 115VAC at 50-400Hz;Vo ±12VDC at ±50mA;Reg Line ±0.2%Δ,Load ±0.2%Δ;Rpl .5mVrms.
25	2231-21	50			Y5002	MP688a Vi 230VAC at 50-400Hz;Vo ±12VDC at ±50mA;Reg Line ±0.2%Δ,Load ±0.2%Δ;Rpl .5mVrms
26	4001	50	27		MP537	Vi 210-235VAC;Vo ±15Vdc;Io 30mA;Reg Line And Load .01% max;Noise And Ripple 100uVRMS
27	4010	50	27		MP537	Vi 105-125VAC;Vo ±15Vdc;Io 60mA;Reg Line And Load .01% max;Noise And Ripple 100uVRMS
28	4020	50	27		MP537	Vi 105-125VAC;Vo ±15Vdc;Io 100mA;Reg Line And Load .01% max;Noise And Ripple 100uVRMS
29	4021	50	27		MP537	Vi 210-235VAC;Vo ±15Vdc;Io 100mA;Reg Line And Load .01% max;Noise And Ripple 100uVRMS
30	4030	50	27		MP537	Vi 105-125VAC;Vo ±18Vdc;Io 60mA;Reg Line And Load .01% max;Noise And Ripple 100uVRMS
31	4031	50	27		MP537	Vi 210-235VAC;Vo ±18Vdc;Io 60mA;Reg Line And Load .01% max;Noise And Ripple 100uVRMS
32	4040	50	27		MP537	Vi 105-125VAC;Vo ±12Vdc;Io 100mA;Reg Line And Load .01% max;Noise And Ripple 100uVRMS
33	4041	50	27		MP537	Vi 210-235VAC;Vo ±12Vdc;Io 100mA;Reg Line And Load .01% max;Noise And Ripple 100uVRMS
34	4051	50	27		MP537	Vi 210-235VAC;Vo ±15VDC;Io 200mA;Reg Line And Load .01% max;Noise And Ripple 100uVRMS
35	4060	50	27		MP537	Vi 105-125VAC;Vo ±12Vdc;Io 30mA;Reg Line And Load .01% max;Noise And Ripple 100uVRMS
36	4061	50	27		MP537	Vi 210-235VAC;Vo ±12Vdc;Io 30mA;Reg Line And Load .01% max;Noise And Ripple 100uVRMS
37	4070	50	27		MP537	Vi 105-125VAC;Vo ±12Vdc;Io 60mA;Reg Line And Load .01% max;Noise And Ripple 100uVRMS
38	4071	50	27		MP537	Vi 210-235VAC;Vo ±12Vdc;Io 60mA;Reg Line And Load .01% max;Noise And Ripple 100uVRMS
39	4090	50	27		MP537	Vi 105-125VAC;Vo 5Vdc;Io 250mA;Reg Line And Load .03% max;Noise And Ripple 100uVRMS
40	4091	50	27		MP537	Vi 210-235VAC;Vo 5Vdc;Io 250mA;Reg Line And Load .03% max;Noise And Ripple 100uVRMS
41	4093	50	27		MP537	Vi 105-125VAC;Vo 5Vdc;Io 250mA;Reg Line And Load .03% max;Noise And Ripple 100uVRMS
42	4101	50	27		MP537	Vi 210-235VAC;Vo 5Vdc;Io 500mA;Reg Line And Load .03% max;Noise And Ripple 100uVRMS
43	4103	50	27		MP537	Vi 105-125VAC;Vo 5Vdc;Io 500mA;Reg Line And Load .03% max;Noise And Ripple 100uVRMS
44	4110	50	27		MP537	Vi 105-125VAC;Vo 5Vdc;Io 1.0A;Reg Line And Load .03% max;Noise And Ripple 100uVRMS
45	4111	50	27		MP537	Vi 210-235VAC;Vo 5Vdc;Io 1.0A;Reg Line And Load .03% max;Noise And Ripple 100uVRMS
46	4113	50	27		MP537	Vi 105-125VAC;Vo 5Vdc;Io 1.0A;Reg Line And Load .03% max;Noise And Ripple 100uVRMS
47	4170	50	27		MP537	Vi 105-125VAC;Vo ±6Vdc;Io 100mA;Reg Line And Load .01% max;Noise And Ripple 100uVRMS
48	4171	50	27		MP537	Vi 210-235VAC;Vo ±6Vdc;Io 100mA;Reg Line And Load .01% max;Noise And Ripple 100uVRMS
49	4180	50	27		MP537	Vi 105-125VAC;Vo ±8Vdc;Io 200mA;Reg Line And Load .01% max;Noise And Ripple 100uVRMS
50	4181	50	27		MP537	Vi 210-235VAC;Vo ±8Vdc;Io 200mA;Reg Line And Load .01% max;Noise And Ripple 100uVRMS
51	4190	50	27		MP537	Vi 105-125VAC;Vo ±8Vdc;Io 100mA;Reg Line And Load .01% max;Noise And Ripple 100uVRMS
52	4191	50	27		MP537	Vi 210-235VAC;Vo ±8Vdc;Io 100mA;Reg Line And Load .01% max;Noise And Ripple 100uVRMS
53	4201	50	27		MP537	Vi 210-235VAC;Vo ±8Vdc;Io 200mA;Reg Line And Load .01% max;Noise And Ripple 100uVRMS
54	4210	50	27		MP537	Vi 105-125VAC;Vo ±12Vdc;Io 200mA;Reg Line And Load .01% max;Noise And Ripple 100uVRMS
55	4211	50	27		MP537	Vi 210-235VAC;Vo ±12Vdc;Io 200mA;Reg Line And Load .01% max;Noise And Ripple 100uVRMS
56	4220	50	27		MP537	Vi 105-125VAC;Vo ±18Vdc;Io 30mA;Reg Line And Load .01% max;Noise And Ripple 100uVRMS
57	4221	50	27		MP537	Vi 210-235VAC;Vo ±18Vdc;Io 30mA;Reg Line And Load .01% max;Noise And Ripple 100uVRMS
58	4230	50	27		MP537	Vi 105-125VAC;Vo ±18Vdc;Io 100mA;Reg Line And Load .01% max;Noise And Ripple 100uVRMS
59	4231	50	27		MP537	Vi 210-235VAC;Vo ±18Vdc;Io 100mA;Reg Line And Load .01% max;Noise And Ripple 100uVRMS
60	4240	50	27		MP537	Vi 105-125VAC;Vo ±18Vdc;Io 200mA;Reg Line And Load .01% max;Noise And Ripple 100uVRMS
61	4241	50	27		MP537	Vi 210-235VAC;Vo ±18Vdc;Io 200mA;Reg Line And Load .01% max;Noise And Ripple 100uVRMS
62	4250	50	27		MP537	Vi 105-125VAC;Vo ±24Vdc;Io 30mA;Reg Line And Load .01% max;Noise And Ripple 100uVRMS
63	4251	50	27		MP537	Vi 210-235VAC;Vo ±24Vdc;Io 30mA;Reg Line And Load .01% max;Noise And Ripple 100uVRMS
64	4260	50	27		MP537	Vi 105-125VAC;Vo ±24Vdc;Io 60mA;Reg Line And Load .01% max;Noise And Ripple 100uVRMS
65	4261	50	27		MP537	Vi 210-235VAC;Vo ±24Vdc;Io 60mA;Reg Line And Load .01% max;Noise And Ripple 100uVRMS
66	4270	50	27		MP537	Vi 105-125VAC;Vo ±24Vdc;Io 100mA;Reg Line And Load .01% max;Noise And Ripple 100uVRMS
67	4271	50	27		MP537	Vi 210-235VAC;Vo ±24Vdc;Io 100mA;Reg Line And Load .01% max;Noise And Ripple 100uVRMS
68	8400	50	27		MP253a	Vi 105-125VAC;Vo ±15V;Io 200mA*;Line and Load Reg ±0.2%Δ.
69	34308A	50	27		MP393	Regulated;Single Out;Fixed;Vi 105-125VAC/47-420Hz;Vo 34V/0.6A;Reg;Load ±0.2%;Line ±0.2%
70	220721	50				Vi 230VAC ±10% at 50-400Hz;Vo ±15 at ±500mA;Reg ±0.05%;TC ±0.03%/°C.
71	A908	50	07			Vi 105-125VAC;Vo ±15VDC;Io 0-300mA;Freq. 50-400Hz;TC .015%/°C.
72	A908	50	07			Vi 105-125VAC;Vo ±15VDC;Io 0-100mA;TC .015%/°C;Regulation Line .015%;Load .03%.
73	BPM15-80A	50	07		MP436	Vi 115VAC;Vo ±15VDC;Io ±80mA;TC .005%/°C;Line Reg .05%;Load Reg .05%.
74	BPM15-80AJ	50	07		MP456	Vo±15V;Io±80mA;Max Reg .05%;Line .05%;Load;Ripple 1mVrms;TC.005%/°C;Vi 100VAC±10%;50-60Hz
75	B5M15-1.5	50	07			Vi 115VAC at 47-450Hz;Vo ±15VDC;Io 3.0A;Load Reg .1%;Line Reg .02%;Rpl 10mVp-p;TC .01%/°C
76	B5M15-1.5E	50	07			Vi 220VAC at 47-450Hz;Vo ±15VDC;Io 3.0A;Load Reg .1%;Line Reg .02%;Rpl 10mVp-p;TC .01%/°C
77	CS2-5D10-12D3	50	27		MP846	Vi 140-280Vac/47-440Hz;200-400VDC;Vo ±5V/±1.0A;±12V/±300mA;Ln/Ld Reg .2/.5%
78	CS2-5D20/1-12D3	50	27		MP846	Vi 140-280Vac/47-440Hz;200-400VDC;Vo 5V/2.0A-.5V/-100mA;±12/±300mA;Ln/Ld Reg .2/.5%
79	CS2-5S20-15D3	50	27		MP846	Vi 140-280Vac/47-440Hz;200-400VDC;Vo 5V/2.0A;±15V/±300mA;Ln/Ld Reg .2/.2%
80	CS2-5S50	50	27		MP846	Vi 140-280Vac/47-440Hz;200-400VDC;Vo 5V/1.0A;Ln/Ld Reg .2/.2%;Isol 300VDC*;Rpl 5mVrms
81	CS2-12S20	50	27		MP846	Vi 140-280Vac/47-440Hz;200-400VDC;Vo 12V/1.0A;Ln/Ld Reg .2/.2%;Isol 300VDC*;Rpl 5mVrms
82	CS2-12S6-5D10	50	27		MP846	Vi 140-280Vac/47-440Hz;200-400VDC;Vo 5V/1.0A-.5V/-1.0A;12V/600mA;Ln/Ld Reg .2/.5%
83	CS2-12S6-5D20/1	50	27		MP846	Vi 140-280Vac/47-440Hz;200-400VDC;Vo 5V/2.0A-.5V/-100mA;12V/600mA;Ln/Ld Reg .2/.5%
84	EE55200	50	27		MP274	Vi 115VACT;Vo 5.0V;Io 200mA;Freq50-440Hz;Reg.Line.25% and Load.25%Δ;TC.02%/°C;Rpl 2mVrmsΔ
85	EE55200E	50	27		MP274	Vi 220VACT;Vo 5.0V;Io 200mA;Freq50-440Hz;Reg.Line .25% and Load.25%Δ;TC.02%/°C;Rpl2mVrmsΔ
86	EE55200EG	50	27		MP274	Vi 220Vact;50-440Hz;Vo 5.0V;Io 200mA;Reg Line .01%;Load .05%;TC .02%/°C;Rpl 1.0mVrms.
87	EE55200G	50	27		MP274	Vi 115Vact;50-440Hz;Vo 5.0V;Io 200mA;Reg Line .01%;Load .05%;TC .02%/°C;Rpl 1.0mVrms.
88	EE55250	50	27		MP274	Vi 115Vact;50-440Hz;Vo 5.0V;Io 250mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
89	EE55250E	50	27		MP274	Vi 220Vact;50-440Hz;Vo 5.0V;Io 250mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
90	EE55250EG	50	27		MP274	Vi 220Vact;50-440Hz;Vo 5.0V;Io 250mA;Reg Line .01%;Load .05%;TC .02%/°C;Rpl 1.0mVrms.
91	EE55250G	50	27		MP274	Vi 115Vact;50-440Hz;Vo 5.0V;Io 250mA;Reg Line .01%;Load .05%;TC .02%/°C;Rpl 1.0mVrms.
92	EE55500	50	27		MP273	Vi 115Vact;50-440Hz;Vo 5.0V;Io 500mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
93	EE55500E	50	27		MP273	Vi 220Vact;50-440Hz;Vo 5.0V;Io 500mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
94	EE551000	50	27		MP273a	Vi 115Vact;Freq.Range 50-440Hz;Vo 5Vdc at 1.0A;Reg.Line .25%;Load .25%;Noise 2.0mVrms.
95	EE551000E	50	27		MP273a	Vi 220Vact;Freq.Range 50-440Hz;Vo 5Vdc at 1.0A;Reg.Line .25%;Load .25%;Noise 2.0mVrms.
96	EE10S100	50	27		MP274	Vi 115Vact;50-440Hz;Vo 10V;Io 100mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
97	EE10S100E	50	27		MP274	Vi 220Vact;50-440Hz;Vo 10V;Io 100mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
98	EE10S100EG	50	27		MP274	Vi 220Vact;50-440Hz;Vo 10V;Io 100mA;Reg Line .01%;Load .05%;TC .02%/°C;Rpl 1.0mVrms.
99	EE10S100G	50	27		MP274	Vi 115Vact;50-440Hz;Vo 10V;Io 100mA;Reg Line .01%;Load .05%;TC .02%/°C;Rpl 1.0mVrms.
100	EE12D25	50	27		MP274	Vi 115VACT;Vo±12V;Io 25mA;Freq 50-440Hz;Reg.Line .25% and Load.25%Δ;TC.02%/°C;Rpl 2.0mVrmsΔ
101	EE12D25E	50	27		MP274	Vi 220VACT;Vo±12V;Io 25mA;Freq50-440Hz;Reg.Line.25% and Load.25%Δ;TC.02%/°C;Rpl2.0mVrmsΔ
102	EE12D25EG	50	27		MP274	Vi 220Vact;50-440Hz;Vo±12V;Io 25mA;Reg Line .01%;Load .05%;TC .02%/°C;Rpl 1.0mVrms.
103	EE12D25G	50	27		MP274	Vi 115Vact;50-440Hz;Vo±12V;Io 25mA;Reg Line .01%;Load .05%;TC .02%/°C;Rpl 1.0mVrms.
104	EE12D50	50	27		MP274	Vi 115Vact;50-440Hz;Vo±12V;Io 50mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
105	EE12D50E	50	27		MP274	Vi 220Vact;50-440Hz;Vo±12V;Io 50mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
106	EE12D50EG	50				

11. POWER SUPPLIES

IN ORDER OF (1) USE (2) TYPE No.

LINEAR

LINE No.	TYPE No.	U S E	T E M P E	C O D E	DRAWINGS CKT.	OUT- LINE Δ=MO		GENERAL DESCRIPTION	
1	EE12D200E	50	27		MP273a	Vi	220Vact,50-440Hz;Vot12V;Io 200mA;Reg Line and Load .25%;TC 0.2%/°C;Rpl 2.0mVrms.		
2	EE12S100	50	27		MP274	Vi	115Vact,50-440Hz;Vo 12V;Io 100mA;Reg Line and Load .25%;TC 0.2%/°C;Rpl 2.0mVrms.		
3	EE12S100E	50	27		MP274	Vi	220Vact,50-440Hz;Vo 12V;Io 100mA;Reg Line and Load .25%;TC 0.2%/°C;Rpl 2.0mVrms.		
4	EE12S100EG	50	27		MP274	Vi	220Vact,50-440Hz;Vo 12V;Io 100mA;Reg Line .01%;Load .05%;TC 0.2%/°C;Rpl 1.0mVrms.		
5	EE12S100G	50	27		MP274	Vi	115Vact,50-440Hz;Vo 12V;Io 100mA;Reg Line .01%;Load .05%;TC 0.2%/°C;Rpl 1.0mVrms.		
6	EE15D25	50	27		MP274	Vi	115Vact;Vot15V;Io 25mA;Freq 50-440Hz;Reg.Line.25% and Load.25%Δ;TC.0.2%/°C;Rpl2.0mVrmsΔ		
7	EE15D25E	50	27		MP274	Vi	220Vact;Vot15V;Io 25mA;Freq 50-440Hz;Reg.Line.25% and Load.25%Δ;TC.0.2%/°C;Rpl2.0mVrmsΔ		
8	EE15D25EG	50	27		MP274	Vi	220Vact,50-440Hz;Vot15V;Io 25mA;Reg Line .01%;Load .05%;TC 0.2%/°C;Rpl 1.0mVrms.		
9	EE15D25G	50	27		MP274	Vi	115Vact,50-440Hz;Vot15V;Io 25mA;Reg Line .01%;Load .05%;TC 0.2%/°C;Rpl 1.0mVrms.		
10	EE15D50	50	27		MP274	Vi	115Vact,50-440Hz;Vot15V;Io 50mA;Reg Line and Load .25%;TC 0.2%/°C;Rpl 2.0mVrms.		
11	EE15D50E	50	27		MP274	Vi	220Vact,50-440Hz;Vot15V;Io 50mA;Reg Line and Load .25%;TC 0.2%/°C;Rpl 2.0mVrms.		
12	EE15D50EG	50	27		MP274	Vi	220Vact,50-440Hz;Vot15V;Io 50mA;Reg Line .01%;Load .05%;TC 0.2%/°C;Rpl 1.0mVrms.		
13	EE15D50G	50	27		MP274	Vi	115Vact,50-440Hz;Vot15V;Io 50mA;Reg Line .01%;Load .05%;TC 0.2%/°C;Rpl 1.0mVrms.		
14	EE15D100	50	27		MP273	Vi	115Vact;Freq. Range 50-440Hz;VO ±15Vdc at 100mA;Reg.Line .25%;Load .25%;Noise 2.0mVrms.		
15	EE15D100E	50	27		MP273	Vi	220Vact;Freq. Range 50-440Hz;VO ±15Vdc at 100mA;Reg.Line .25%;Load .25%;Noise 2.0mVrms.		
16	EE15D200	50	27		MP273a	Vi	115Vact;Freq. Range 50-440Hz;VO ±15Vdc at 200mA;Reg.Line .25%;Load .25%;Noise 2.0mVrms.		
17	EE15D200E	50	27		MP273a	Vi	220Vact;Freq. Range 50-440Hz;VO ±15Vdc at 200mA;Reg.Line .25%;Load .25%;Noise 2.0mVrms.		
18	EE15S100	50	27		MP274	Vi	115Vact,50-440Hz;Vo 15V;Io 100mA;Reg Line and Load .25%;TC 0.2%/°C;Rpl 2.0mVrms.		
19	EE15S100E	50	27		MP274	Vi	220Vact,50-440Hz;Vo 15V;Io 100mA;Reg Line and Load .25%;TC 0.2%/°C;Rpl 2.0mVrms.		
20	EE15S100EG	50	27		MP274	Vi	220Vact,50-440Hz;Vo 15V;Io 100mA;Reg Line .01%;Load .05%;TC 0.2%/°C;Rpl 1.0mVrms.		
21	EE15S100G	50	27		MP274	Vi	115Vact,50-440Hz;Vo 15V;Io 100mA;Reg Line .01%;Load .05%;TC 0.2%/°C;Rpl 1.0mVrms.		
22	F5DA25	50	27		MP198a	Vi	105-125VAC;Vo ±5VDC;Io 250mA;Line Reg .05%;TC 0.02%/°C.		
23	F6DA25	50	27		MP198a	Vi	105-125VAC;Vo ±6VDC;Io 250mA;Line Reg .05%;TC 0.02%/°C.		
24	F10DA20	50	27		MP198a	Vi	105-125VAC;Vo ±10VDC;Io 200mA;Line Reg .05%;TC 0.02%/°C.		
25	F12DA25	50	27		MP198a	Vi	105-125VAC;Vo ±12VDC;Io 250mA;Line Reg .05%;TC 0.02%/°C.		
26	F12DB05	50	27		MP198b	Vi	105-125VAC;Vo ±12VDC;Io 50mA;Line Reg .05%;TC 0.02%/°C.		
27	F12TA10S	50	27		MP440	Vi	105-125VAC;Vo 5VDC;Io 500mA;Line Reg .05%;TC 0.02%/°C.		
28	F15SB25	50	27		MP198b	Vi	105-125VAC;Vo 15VDC;Io 250mA;Line Reg .05%;TC 0.02%/°C.		
29	F15TA10S	50	27		MP440	Vi	105-125VAC;Vo 5VDC;Io 500mA;Line Reg .05%;TC 0.02%/°C.		
30	F18DA20X	50	27		MP198a	Vi	105-125VAC;Vo ±18VDC;Io 200mA;Line Reg .05%;TC 0.02%/°C.		
31	F18TA08D	50	27		MP440	Vi	105-125VAC;Vo ±18VDC;Io 75mA;Line Reg .05%;TC 0.02%/°C.		
32	F18TA08S	50	27		MP440	Vi	105-125VAC;Vo 5VDC;Io 500mA;Line Reg .05%;TC 0.02%/°C.		
33	F20DA15	50	27		MP198a	Vi	105-125VAC;Vo ±20VDC;Io 150mA;Line Reg .05%;TC 0.02%/°C.		
34	F20DB05	50	27		MP198b	Vi	105-125VAC;Vo ±20VDC;Io 50mA;Line Reg .05%;TC 0.02%/°C.		
35	F22DA20	50	27		MP198a	Vi	105-125VAC;Vo ±22VDC;Io 200mA;Line Reg .05%;TC 0.02%/°C.		
36	F24DA15X	50	27		MP198a	Vi	105-125VAC;Vo ±24VDC;Io 150mA;Line Reg .05%;TC 0.02%/°C.		
37	F24DB08	50	27		MP198b	Vi	105-125VAC;Vo ±24VDC;Io 75mA;Line Reg .05%;TC 0.02%/°C.		
38	F24TA05D	50	27		MP440	Vi	105-125VAC;Vo ±24VDC;Io 50mA;Line Reg .05%;TC 0.02%/°C.		
39	F24TA05S	50	27		MP440	Vi	105-125VAC;Vo 5VDC;Io 500mA;Line Reg .05%;TC 0.02%/°C.		
40	F28DA15X	50	27		MP198a	Vi	105-125VAC;Vo ±28VDC;Io 150mA;Line Reg .05%;TC 0.02%/°C.		
41	F28DB05	50	27		MP198b	Vi	105-125VAC;Vo ±28VDC;Io 50mA;Line Reg .05%;TC 0.02%/°C.		
42	F28DB08	50	27		MP198b	Vi	105-125VAC;Vo ±28VDC;Io 75mA;Line Reg .05%;TC 0.02%/°C.		
43	F200SA05	50	27		MP198a	Vi	105-125VAC;Vo 200VDC;Io 50mA;Line Reg .05%;TC 0.02%/°C.		
44	F200SB03	50	27		MP198b	Vi	105-125VAC;Vo 200VDC;Io 25mA;Line Reg .05%;TC 0.02%/°C.		
45	HE382	50	27		MP787	Vi	115VAC;Vo 9.0V;Io 2.8A;Freq 47-450Hz;TC 0.2%/°CΔ;Ld Reg .1%Δ;Rpl 12mVRMSΔ;Eff 80%		
46	HE382E	50	27		MP787	Vi	230VAC;Vo 9.0V;Io 2.8A;Freq 47-450Hz;TC 0.2%/°CΔ;Ld Reg .1%Δ;Rpl 12mVRMSΔ;Eff 80%		
47	HE582	50	27		MP788	Vi	115VAC;Vo 9.0V;Io 2.8A;Freq 47-450Hz;TC 0.2%/°CΔ;Ld Reg .1%Δ;Rpl 12mVRMSΔ;Eff 80%		
48	HE582E	50	27		MP788	Vi	230VAC;Vo 9.0V;Io 2.8A;Freq 47-450Hz;TC 0.2%/°CΔ;Ld Reg .1%Δ;Rpl 12mVRMSΔ;Eff 80%		
49	L5S500	50	27		MP304	Vi	115VAC;Freq. Range 50-440Hz;Vo 5Vdc at 500mA;Reg Line .05%;Load .10%;Noise 2.0mVrms.		
50	L5S1000	50	27		MP304	Vi	115VAC;Freq. Range 50-440Hz;Vo 5Vdc at 1.0A;Reg Line .05%;Load .10%;Noise 2.0mVrms.		
51	L15D100	50	27			Vi	115VAC;Freq. Range 50-440Hz;Vo ±15Vdc at 100mA;Reg.Line .05%;Load .10%;Noise 2.0mVrms.		
52	L15D200	50	27			Vi	115VAC;Freq. Range 50-440Hz;Vo ±15Vdc at 200mA;Reg.Line .05%;Load .10%;Noise 2.0mVrms.		
53	LCD1.5.1000	50	27		MP198g	ΔVi	105-125V;Freq 50-440Hz;Vo 5.0V;Io 1.0A;Line and Load Reg .20%±;T.C. 0.2%/°C.		
54	LCD1.5.1000K	50	27		MP198g	ΔVi	220V;Freq 50-440Hz;Vo 5.0V;Io 1.0A;Line and Load Reg .20%±;T.C. 0.2%/°C.		
55	LCD1.5.500	50	27		MP198f	ΔVi	105-125V;Freq 50-440Hz;Vo 5.0V;Io 500mA;Line and Load Reg .20%±;T.C. 0.2%/°C.		
56	LCD1.5.500K	50	27		MP198f	ΔVi	220V;Freq 50-440Hz;Vo 5.0V;Io 500mA;Line and Load Reg .20%±;T.C. 0.2%/°C.		
57	LCD2.12.100	50	27		MP198	Vi	115VAC;50-440Hz;Vot12V;Io 100mA;Reg.load and line .2%;TC 0.2%/°C;Rpl 1.0mVrms.		
58	LCD2.12.100K	50	27		MP198	Vi	220V;Freq 50-440Hz;Vot12V;Io ±100mA;Line and Load Reg .20%±;T.C. 0.2%/°C.		
59	LCD2.12.200	50	27		MP198c	Vi	105-125V;Freq 50-440Hz;Vot12V;Io ±200mA;Line and Load Reg .20%±;T.C. 0.2%/°C.		
60	LCD2.12.200K	50	27		MP198c	Vi	220V;Freq 50-440Hz;Vot12V;Io ±200mA;Line and Load Reg .20%±;T.C. 0.2%/°C.		
61	LCD2.12.25	50	27		MP198	Vi	115VAC;50-440Hz;Vot12V;Io 25mA;Reg.load and line .2%;TC 0.2%/°C;Rpl 1.0mVrms.		
62	LCD2.12.50	50	27		MP198	Vi	115VAC;50-440Hz;Vot12V;Io 50mA;Reg.load and line .2%;TC 0.2%/°C;Rpl 1.0mVrms.		
63	LCD2.15.100	50	27		MP198	Vi	115VAC;50-440Hz;Vot15V;Io 100mA;Reg.load and line .2%;TC 0.2%/°C;Rpl 1.0mVrms.		
64	LCD2.15.100K	50	27		MP198	Vi	220V;Freq 50-440Hz;Vot15V;Io ±100mA;Line and Load Reg .20%±;T.C. 0.2%/°C.		
65	LCD2.15.200	50	27		MP198c	Vi	105-125V;Freq 50-440Hz;Vot15V;Io ±200mA;Line and Load Reg .20%±;T.C. 0.2%/°C.		
66	LCD2.15.200K	50	27		MP198c	Vi	220V;Freq 50-440Hz;Vot15V;Io ±200mA;Line and Load Reg .20%±;T.C. 0.2%/°C.		
67	LCD2.15.25	50	27		MP198	Vi	115VAC;50-440Hz;Vot15V;Io 25mA;Reg.load and line .2%;TC 0.2%/°C;Rpl 1.0mVrms.		
68	LCD2.15.25K	50	27		MP198	Vi	220V;Freq 50-440Hz;Vot15V;Io ±25mA;Line and Load Reg .20%±;T.C. 0.2%/°C.		
69	LCD2.15.50	50	27		MP198	Vi	115VAC;50-440Hz;Vot15V;Io 50mA;Reg.load and line .2%;TC 0.2%/°C;Rpl 1.0mVrms.		
70	LCD2.15.50K	50	27		MP198	Vi	220V;Freq 50-440Hz;Vot15V;Io ±50mA;Line and Load Reg .20%±;T.C. 0.2%/°C.		
71	LCD2.18.25	50	27		MP198	Vi	115VAC;50-440Hz;Vot18V;Io 25mA;Reg.load and line .2%;TC 0.2%/°C;Rpl 1.0mVrms.		
72	LCD2.18.50	50	27		MP198	Vi	115VAC;50-440Hz;Vot18V;Io 50mA;Reg.load and line .2%;TC 0.2%/°C;Rpl 1.0mVrms.		
73	LCD2.18.50K	50	27		MP198	Vi	220V;Freq 50-440Hz;Vot18V;Io ±50mA;Line and Load Reg .20%±;T.C. 0.2%/°C.		
74	LCD2.24.50	50	27		MP198	Vi	115VAC;50-440Hz;Vot24V;Io 50mA;Reg.load and line .2%;TC 0.2%/°C;Rpl 1.0mVrms.		
75	LCD2.24.50K	50	27		MP198	Vi	220V;Freq 50-440Hz;Vot24V;Io ±50mA;Line and Load Reg .20%±;T.C. 0.2%/°C.		
76	LCD2.5.500	50	27		MP198c	ΔVi	105-125V;Freq 50-440Hz;Vo ±500mA;Line and Load Reg .20%±;T.C. 0.2%/°C.		
77	LCD2.5.500K	50	27		MP198c	ΔVi	220V;Freq 50-440Hz;Vo ±5.0V;Io 500mA;Line and Load Reg .20%±;T.C. 0.2%/°C.		
78	LCD2.6.25	50	27		MP198	Vi	115VAC;50-440Hz;Vot6V;Io 25mA;Reg.load and line .2%;TC 0.2%/°C;Rpl 1.0mVrms.		
79	LCD2.6.50	50	27		MP198	Vi	115VAC;50-440Hz;Vot6V;Io 50mA;Reg.load and line .2%;TC 0.2%/°C;Rpl 1.0mVrms.		
80	LCD2.6.50K	50	27		MP198	Vi	220V;Freq 50-440Hz;Vot6.0V;Io ±50mA;Line and Load Reg .20%±;T.C. 0.2%/°C.		
81	M50-15	50	26		MP81b	Vo	±15V;Io 50mA;Reg. .02% line; .05% load;Rpl 2.0mV.		
82	M100-15	50	26		MP81b	Vo	±15V;Io 100mA;Reg. .02% line; .05% load;Rpl 2.0mV.		
83	M500-5	50	26		MP81b	Vo	5.0V;Io 500mA;Reg. .05% line; .10% load;Rpl 4.0mV.		
84	M5015	50	26		MP81b	ΔVo	30V;Io 50mA;Tc .02%/°C;Reg .10%;PI 105V;freq 50-440Hz;Rpl 2.0mV		
85	M5015OS	50	26			ΔVo	30V;Io 50mA;Tc .02%/°C;Reg .10%;PI 220V;freq 50-440Hz;Rpl 2.0mV		
86	M10015	50	26			ΔVo	30V;Io 100mA;Tc .02%/°C;Reg .10%;PI 105V;freq 50-440Hz;Rpl 2.0mV		
87	M10015OS	50	26			ΔVo	30V;Io 100mA;Tc .02%/°C;Reg .10%;PI 220V;freq 50-440Hz;Rpl 2.0mV		
88	MP1.5.1000-2.12.100	50	27		MP365b	Vi	105-125V;Freq50-440Hz;Vo5.0V,Io1.0A or Vo±12V,Io±100mA;Reg.Line.01%max,Load.05%±max.		
89	MP1.5.1000-2.15.100	50	27		MP365b	Vi	105-125V;Freq50-440Hz;Vo5.0V,Io1.0A or Vo±15V,Io100mA;Reg.Line.01%max,Load.05%±max.		
90	MP1.5.225-2.15.40	50	27		MP365	Vi	105-125V;Freq50-440Hz;Vo5.0V,Io225mA or Vo±15V,Io±40mA;Reg.Line.01%max,Load.05%±max.		
91	MP1.5.750-2.12.150	50	27		MP365b	Vi	105-125V;Freq50-440Hz;Vo5.0V,Io750mA or Vo±12V,Io±150mA;Reg.Line.01%max,Load.05%±max.		
92	MP1.5.750-2.15.150	50	27		MP365b	Vi	105-125V;Freq50-440Hz;Vo5.0V,Io750mA or Vo±15V,Io150mA;Reg.Line.01%max,Load.05%±max.		
93	MPD5-150	50	28		MP133	Vi	115VAC;Vo 5.0Vadj, Io 600mA;Vo 150V,Io 5.0mA;Regulation Line-.005% and Load-.0025%		
94	MPD5-150A	50	27		MP133	Vi	115VAC;Vo 5.0Vadj at 600mA;Io 150V at 5.0mA;TC 50m%/°CΔ;Reg. line 5.0m%Δ, load 12.5mV.		
95	MPD5-750A	50	27		MP133	Vi	115VAC;Vo 5.0V at 750mA;TC 50m%/°CΔ;Reg. line 5.0m%Δ, load 12.5mV.		
96	MPD15-100A	50	27		MP134	Vi	115VAC;Vot15V at 100mA;TC 15m%/°CΔ;Reg. line 5.0m%Δ, load 20mVΔ.		
97	MPD15-300	50	28			Vi	115VAC;Vo±15Vadj;Io 300mA;Regulation Line-.005% and Load-.02%		
98	MPD15-300A	50	27		MP135	Vi	115VAC;Vot15V at 300mA;TC 15m%/°CΔ;Reg. line 5.0m%Δ, load 20mVΔ.		
99	MR1050-3	50	05		MP485	Vi	115/230VAC;fi 57-440Hz;Vo 5.0V;Io 600mA;Po 3.0W;Reg Line/Load .15%.		
100	MR1050-5	50	05		MP485	Vi	115/230VAC;fi 57-440Hz;Vo 5.0V;Io 1.0A;Po 5.0W;Reg Line/Load .15%.		
101	MR1050-8	50	05		MP485	Vi	115/230VAC;fi 57-440Hz;Vo 5.0V;Io 1.5A;Po 8.0W;Reg Line/Load .15%.		
102	MR1150-3	50							

11. POWER SUPPLIES

IN ORDER OF (1) USE (2) TYPE No.

LINEAR

LINE No.	TYPE No.	USE	T E O M D P E	DRAWINGS CKT. OUT-LINE Δ=MO	GENERAL DESCRIPTION
1	MR2150-8	50	05	MP485	Vi 115/230VAC;fi 57-440Hz;Vo 15V;Io 250mA;Po 8.0W;Reg Line/Load .15%;2 Outputs.
2	MR3050-8	50	05	MP485	Vi 115/230VAC;fi 57-440Hz;Vo 5.0V;Dual Vo 15V;Io 1.0A,100mA;Po 8.0W;Reg Line/Load .15%.
3	NPS30A	50	07	MP10	ΔVi 48V;ΔVo±15V;ΔIo±30mA;Tc 1.0mV/deg CA.
4	NT008	50	27	MP180	Vi 115 VAC;ΔVo 0.0-8.0;Io 2.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
5	NT010	50	27	MP180a	Vi 115 VAC;ΔVo 0.0-10;Io 750mA;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
6	NT015	50	27	MP180a	Vi 115 VAC;ΔVo 0.0-15;Io 500mA;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
7	NT025	50	27	MP180	Vi 115 VAC;ΔVo 0.0-25;Io 750mA;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
8	NT040	50	27	MP180	Vi 115 VAC;ΔVo 0.0-40;Io 500mA;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
9	P1.10.100J	50	27	MP231	Vi 115VAC;50-440Hz;Vo 10V;Io 100mA;Reg load .05%;line .01%;Isol 100GΩ*;leakage 5.0uAΔ.
10	P1.10.200	50	27	MP198g	ΔVi 105-125V;Freq 50-440Hz;Vo 10V;Io 200mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
11	P1.10.200K	50	27	MP198g	Vi 220V;Freq 50-440Hz;Vo 10V;Io 200mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
12	P1.12.400	50	27	MP198g	ΔVi 105-125V;Freq 50-440Hz;Vo 12V;Io 400mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
13	P1.12.400K	50	27	MP198g	Vi 220V;Freq 50-440Hz;Vo 12V;Io 400mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
14	P1.15.400	50	27	MP198g	Vi 105-125V;Freq 50-440Hz;Vo 15V;Io 400mA;Reg Line .01%Δ;Load .05% max;T.C. .02%/°C.
15	P1.15.400K	50	27	MP198g	Vi 220V;Freq 50-440Hz;Vo 15V;Io 400mA;Reg Line .01%Δ;Load .05% max;T.C. .02%/°C.
16	P1.18.100	50	27	MP198g	Vi 105-125V;Freq 50-440Hz;Vo 18V;Io 100mA;Reg Line .01%Δ;Load .05% max;T.C. .02%/°C.
17	P1.18.100K	50	27	MP198g	Vi 220V;Freq 50-440Hz;Vo 18V;Io 100mA;Reg Line .01%Δ;Load .05% max;T.C. .02%/°C.
18	P1.18.200	50	27	MP198g	Vi 105-125V;Freq 50-440Hz;Vo 18V;Io 200mA;Reg Line .01%Δ;Load .05% max;T.C. .02%/°C.
19	P1.18.200K	50	27	MP198g	Vi 220V;Freq 50-440Hz;Vo 18V;Io 200mA;Reg Line .01%Δ;Load .05% max;T.C. .02%/°C.
20	P1.200.25	50	27	MP198g	Vi 105-125V;Freq 50-440Hz;Vo 200V;Io 25mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
21	P1.200.25K	50	27	MP198g	Vi 220V;Freq 50-440Hz;Vo 200V;Io 25mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
22	P1.22.100	50	27	MP198g	Vi 105-125V;Freq 50-440Hz;Vo 22V;Io 100mA;Reg Line .01%Δ;Load .05% max;T.C. .02%/°C.
23	P1.22.100K	50	27	MP198g	Vi 220V;Freq 50-440Hz;Vo 22V;Io 100mA;Reg Line .01%Δ;Load .05% max;T.C. .02%/°C.
24	P1.22.200	50	27	MP198g	Vi 105-125V;Freq 50-440Hz;Vo 22V;Io 200mA;Reg Line .01%Δ;Load .05% max;T.C. .02%/°C.
25	P1.22.200K	50	27	MP198g	Vi 220V;Freq 50-440Hz;Vo 22V;Io 200mA;Reg Line .01%Δ;Load .05% max;T.C. .02%/°C.
26	P1.24.100	50	27	MP198f	Vi 105-125V;Freq 50-440Hz;Vo 24V;Io 100mA;Reg Line .01%Δ;Load .05% max;T.C. .02%/°C.
27	P1.24.100K	50	27	MP198f	Vi 220V;Freq 50-440Hz;Vo 24V;Io 100mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
28	P1.24.200	50	27	MP198g	Vi 105-125V;Freq 50-440Hz;Vo 24V;Io 200mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
29	P1.24.200K	50	27	MP198g	Vi 220V;Freq 50-440Hz;Vo 24V;Io 200mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
30	P1.28.100	50	27	MP198f	Vi 105-125V;Freq 50-440Hz;Vo 28V;Io 100mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
31	P1.28.100K	50	27	MP198f	Vi 220V;Freq 50-440Hz;Vo 28V;Io 100mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
32	P1.28.200	50	27	MP198g	Vi 105-125V;Freq 50-440Hz;Vo 28V;Io 200mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
33	P1.28.200K	50	27	MP198g	Vi 220V;Freq 50-440Hz;Vo 28V;Io 200mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
34	P1.30.100	50	27	MP198f	Vi 105-125V;Freq 50-440Hz;Vo 30V;Io 100mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
35	P1.30.100K	50	27	MP198f	Vi 220V;Freq 50-440Hz;Vo 30V;Io 100mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
36	P1.30.200	50	27	MP198g	Vi 105-125V;Freq 50-440Hz;Vo 36V;Io 200mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
37	P1.30.200K	50	27	MP198g	Vi 220V;Freq 50-440Hz;Vo 36V;Io 200mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
38	P1.36.100	50	27	MP198g	Vi 105-125V;Freq 50-440Hz;Vo 36V;Io 100mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
39	P1.36.100K	50	27	MP198g	Vi 220V;Freq 50-440Hz;Vo 36V;Io 100mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
40	P1.48.100	50	27	MP198g	Vi 105-125V;Freq 50-440Hz;Vo 48V;Io 100mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
41	P1.48.100K	50	27	MP198g	Vi 220V;Freq 50-440Hz;Vo 48V;Io 100mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
42	P1.5.1000K	50	27	MP198h	Vi 220V;Freq 50-440Hz;Vo 5.0V;Io 1.0A;Line and Load Reg .05% max;T.C. .02%/°C.
43	P1.5.1500	50	27	MP198h	ΔVi 105-125V;Freq 50-440Hz;Vo 5.0V;Io 1.5A;Line and Load Reg .05% max;T.C. .02%/°C.
44	P1.5.1500K	50	27	MP198h	Vi 220V;Freq 50-440Hz;Vo 5.0V;Io 1.5A;Line and Load Reg .05% max;T.C. .02%/°C.
45	P1.5.2000	50	27	MP838b	Vi 105-125Vac;50-440Hz;Vo 5V;Io 2.0A;Ln/Ld Reg .05/0.2%;T.C. .02%/°C.
46	P1.5.2000K	50	27	MP198h	Vi 220V;Freq 50-440Hz;Vo 5.0V;Io 2.0A;Line and Load Reg .05% max;T.C. .02%/°C.
47	P1.5.250	50	27	MP198b	Vi 115VAC;50-440Hz;Vo 5.0V;Io 250mA;Reg load .1% line .05%;TC .02%/°C;Rpl 1.0mVrms.
48	P1.5.500K	50	27	MP198f	Vi 220V;Freq 50-440Hz;Vo 5.0V;Io 500mA;Line and Load Reg .05% max;T.C. .02%/°C.
49	P2.10.100	50	27	MP198	Vi 105-125V;Freq 50-440Hz;Vo ±10V;Io ±100mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
50	P2.10.100K	50	27	MP198	Vi 220V;Freq 50-440Hz;Vo ±10V;Io ±100mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
51	P2.10.50J	50	27	MP231	Vi 115VAC;50-440Hz;Vo±10V;Io 50mA;Reg load .05% line .01%;Isol 100GΩ*;leakage 5.0uAΔ.
52	P2.12.100-6.100K	50	27	MP198	Vi 220V;Freq 50-440Hz;Vo ±18V;Io ±100mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
53	P2.12.100K	50	27	MP198	Vi 220V;Freq 50-440Hz;Vo ±12V;Io ±100mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
54	P2.12.200K	50	27	MP198c	Vi 220V;Freq 50-440Hz;Vo ±12V;Io ±200mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
55	P2.12.25	50	27	MP198	Vi 105-125V;Freq 50-440Hz;Vo ±12V;Io ±25mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
56	P2.12.25K	50	27	MP198	Vi 220V;Freq 50-440Hz;Vo ±12V;Io ±25mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
57	P2.12.300K	50	27	MP198j	Vi 220V;Freq 50-440Hz;Vo ±12V;Io ±300mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
58	P2.12.50-6.50K	50	27	MP198	Vi 220V;Freq 50-440Hz;Vo ±18V;Io ±50mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
59	P2.12.50J	50	27	MP231	Vi 115VAC;50-440Hz;Vo±12V;Io 50mA;Reg load .05% line .01%;Isol 100GΩ*;leakage 5.0uAΔ.
60	P2.15.100K	50	27	MP198	Vi 220V;Freq 50-440Hz;Vo ±15V;Io ±100mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
61	P2.15.200K	50	27	MP198c	Vi 220V;Freq 50-440Hz;Vo ±15V;Io ±200mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
62	P2.15.25	50	27	MP198	Vi 105-125V;Freq 50-440Hz;Vo ±15V;Io ±25mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
63	P2.15.25K	50	27	MP198	Vi 220V;Freq 50-440Hz;Vo ±15V;Io ±25mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
64	P2.15.300K	50	27	MP198j	Vi 220V;Freq 50-440Hz;Vo ±15V;Io ±300mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
65	P2.15.60K	50	27	MP198	Vi 220V;Freq 50-440Hz;Vo ±15V;Io ±60mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
66	P2.18.100K	50	27	MP198c	Vi 220V;Freq 50-440Hz;Vo ±18V;Io ±100mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
67	P2.24.50K	50	27	MP198	Vi 220V;Freq 50-440Hz;Vo ±24V;Io ±50mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
68	P2.30.100	50	27	MP198c	Vi 115VAC;50-400Hz;Vo±30V;Io 100mA;Reg load .05% line .01%;TC .02%/°C;Rpl 1.0mVrms.
69	P2.30.50	50	27	MP198	Vi 115VAC;50-440Hz;Vo±30V;Io 50mA;Reg load .05% line .01%;TC .015%/°C;Rpl 1.0mVrmsΔ.
70	P2.5.250-12.100K	50	27	MP198	Vi 105-125V;Freq 50-440Hz;Vo ±17V;Io ±350mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
71	P2.5.250-12.100K	50	27	MP198	Vi 220V;Freq 50-440Hz;Vo ±17V;Io ±350mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
72	P2.5.500-12.200K	50	27	MP198c	Vi 105-125V;Freq 50-440Hz;Vo ±17V;Io ±700mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
73	P2.5.500-12.200K	50	27	MP198c	Vi 220V;Freq 50-440Hz;Vo ±17V;Io ±700mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
74	P2.6.50	50	27	MP198	Vi 105-125V;Freq 50-440Hz;Vo ±6.0V;Io ±50mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
75	P2.6.50K	50	27	MP198	Vi 220V;Freq 50-440Hz;Vo ±6.0V;Io ±50mA;Reg Line .01% max;Load .05% max;T.C. .02%/°C.
76	P741-312	50	27	MP198d	Vi 115VAC;Vo ±12V;Io 30mA;Freq 50-440Hz;Reg.Load 2% and Line 2%;TC.02%/°C;Rpl 1.0mVrms.
77	P741-312K	50	27	MP198d	Vi 220VAC;Vo ±12V;Io 30mA;Freq 50-440Hz;Reg.Load 2% and Line 2%;TC.02%/°C;Rpl 1.0mVrms.
78	P741-315	50	27	MP198d	Vi 115VAC;Vo ±15V;Io 30mA;Freq 50-440Hz;Reg.Load 2% and Line 2%;TC.02%/°C;Rpl 1.0mVrms.
79	P741-315K	50	27	MP198d	Vi 220VAC;Vo ±15V;Io 30mA;Freq 50-440Hz;Reg.Load 2% and Line 2%;TC.02%/°C;Rpl 1.0mVrms.
80	P741-318	50	27	MP198d	Vi 115VAC;Vo ±18V;Io 30mA;Freq 50-440Hz;Reg.Load 2% and Line 2%;TC.02%/°C;Rpl 1.0mVrms.
81	P741-318K	50	27	MP198d	Vi 220VAC;Vo ±18V;Io 30mA;Freq 50-440Hz;Reg.Load 2% and Line 2%;TC.02%/°C;Rpl 1.0mVrms.
82	P741-322	50	27	MP198d	Vi 115VAC;Vo ±22V;Io 30mA;Freq 50-440Hz;Reg.Load 2% and Line 2%;TC.02%/°C;Rpl 1.0mVrms.
83	P741-322K	50	27	MP198d	Vi 220VAC;Vo ±22V;Io 30mA;Freq 50-440Hz;Reg.Load 2% and Line 2%;TC.02%/°C;Rpl 1.0mVrms.
84	P741-518	50	27	MP198d	Vi 115VAC;Vo ±18V;Io 50mA;Freq 50-440Hz;Reg.Load 2% and Line 2%;TC.02%/°C;Rpl 1.0mVrms.
85	P741-518K	50	27	MP198d	Vi 220VAC;Vo ±18V;Io 50mA;Freq 50-440Hz;Reg.Load 2% and Line 2%;TC.02%/°C;Rpl 1.0mVrms.
86	P741-522	50	27	MP198d	Vi 115VAC;Vo ±22V;Io 50mA;Freq 50-440Hz;Reg.Load 2% and Line 2%;TC.02%/°C;Rpl 1.0mVrms.
87	P741-522K	50	27	MP198d	Vi 220VAC;Vo ±22V;Io 50mA;Freq 50-440Hz;Reg.Load 2% and Line 2%;TC.02%/°C;Rpl 1.0mVrms.
88	P741-612	50	27	MP198d	Vi 115VAC;Vo ±12V;Io 60mA;Freq 50-440Hz;Reg.Load 2% and Line 2%;TC.02%/°C;Rpl 1.0mVrms.
89	P741-612K	50	27	MP198d	Vi 220VAC;Vo ±12V;Io 60mA;Freq 50-440Hz;Reg.Load 2% and Line 2%;TC.02%/°C;Rpl 1.0mVrms.
90	P741-615	50	27	MP198d	Vi 115VAC;Vo ±15V;Io 60mA;Freq 50-440Hz;Reg.Load 2% and Line 2%;TC.02%/°C;Rpl 1.0mVrms.
91	P741-615K	50	27	MP198d	Vi 220VAC;Vo ±15V;Io 60mA;Freq 50-440Hz;Reg.Load 2% and Line 2%;TC.02%/°C;Rpl 1.0mVrms.
92	P741-1005	50	27	MP198d	Vi 115VAC;Vo 5.0V;Io 100mA;Freq 50-440Hz;Reg.Load 2% and Line 2%;TC.02%/°C;Rpl 1.0mVrms.
93	P741-1005K	50	27	MP198d	Vi 220VAC;Vo 5.0V;Io 100mA;Freq 50-440Hz;Reg.Load 2% and Line 2%;TC.02%/°C;Rpl 1.0mVrms.
94	P741-1006	50	27	MP198d	Vi 115VAC;Vo ±6V;Io 100mA;Freq 50-440Hz;Reg.Load 2% and Line 2%;TC.02%/°C;Rpl 1.0mVrms.
95	P741-1006K	50	27	MP198d	Vi 220VAC;Vo ±6V;Io 100mA;Freq 50-440Hz;Reg.Load 2% and Line 2%;TC.02%/°C;Rpl 1.0mVrms.
96	P741-1012	50	27	MP198d	Vi 115VAC;Vo ±12V;Io 100mA;Freq 40-440Hz;Reg.Load 2% and Line 2%;TC.02%/°C;Rpl 1.0mVrms.
97	P741-1012K	50	27	MP198d	Vi 220VAC;Vo ±12V;Io 100mA;Freq 50-440Hz;Reg.Load 2% and Line 2%;TC.02%/°C;Rpl 1.0mVrms.
98	P741-1015	50	27	MP198d	Vi 115VAC;Vo ±15V;Io 100mA;Freq 50-440Hz;Reg.Load 2% and Line 2%;TC.02%/°C;Rpl 1.0mVrms.
99	P741-1015K	50	27	MP198d	Vi 220VAC;Vo ±15V;Io 100mA;Freq 50-440Hz;Reg.Load 2% and Line 2%;TC.02%/°C;Rpl 1.0mVrms.
100	P741-2005	50	27	MP198d	Vi 115VAC;Vo ±5V;Io 200mA;Freq 50-440Hz;Reg.Load 2% and Line 2%;TC.02%/°C;Rpl 1.0mVrms.
101	P741-2005K	50	27	MP198d	Vi 220VAC;Vo ±5V;Io 200mA;Freq 50-440Hz;Reg.Load 2% and Line 2%;TC.02%/°C;Rpl 1.0mVrms.
102	P741-2006	50	27	MP198d	Vi 115VAC;Vo ±6V;Io 200mA;Freq 50-440Hz;Reg.Load 2% and Line 2%;TC.02%/°C;Rpl 1.0mVrms.
103	P741-2006K	50	27	MP198d	Vi 220VAC;Vo ±6V;Io 200mA;Freq 50-440Hz;Reg.Load 2% and Line 2%;TC.02%/°C;Rpl

11. POWER SUPPLIES

IN ORDER OF (1) USE (2) TYPE No.

LINEAR

LINE No.	TYPE No.	U S E	T E M P E R A T U R E	C O D E	DRAWINGS	CKT.	OUT-LINE Δ=MO	GENERAL DESCRIPTION
1	PM329	50	27		MP390		Vi 115VAC;Vo 5.0V;Io 250mA;Freq 50-400Hz;TC .02%/°C;Reg Line .05%;Load .10%;RPL 2.0mVRMS.	
2	PM353	50	27		MP390		Vi 115VAC;Vo ±15V;Io 65mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .05%;RPL 1.0mVRMS.	
3	PM363	50	27		MP390		Vi 115VAC;Vo 12.0V;Io 100mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .05%;RPL 1.0mVRMS.	
4	PM376	50	27		MP390		Vi 115VAC;Vo 15.0V;Io 100mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .05%;RPL 1.0mVRMS.	
5	PM385	50	27		MP390		Vi 115VAC;Vo 24.0V;Io 50mA;Freq 50-400Hz;TC 20m%/°C;Reg Line and Load .05%;RPL 1.0mVRMS.	
6	PM408	50	07		MP97		Vi 115V;Vo 5.0V;Io 125mA;Freq 60 to 400Hz;Tc 50m%/°C;Load and Line Reg .08%;Line Reg .08%.	
7	PM419	50	28		MP97		Vi 115VAC;Vo 170V;Io 10mA;Freq. 60-400Hz;Tc 200m%/°C max;Load and Line Reg. ± 1%.	
8	PM420	50	28		MP97		Vi 115VAC;Vo 180V;Io 10mA;Freq. 60-400Hz;Tc 200m%/°C max;Load and Line Reg. ± 1%.	
9	PM422	50	28		MP97		Vi-115V;Vo-6.0V;Io-200mA;Freq-60 to 400Hz;Tc-50m%/°C;Load and Line Reg-.050%	
10	PM426	50	28		MP97		Vi-115V;Vo-±24V;Io-100mA;Freq-60 to 400Hz;Tc-20m%/°C;Line and Load Reg-.02%	
11	PM428	50	28		MP97		Vi 115VAC;Vo±18V;Io 65mA;Freq. 60-400Hz;Tc 20m%/°C max;Load and Line Reg. 20m%.	
12	PM429	50	28		MP97		Vi-115V;Vo-5.0V;Io-250mA;Freq-60 to 400Hz;Tc-50m%/°C;Load and Line Reg-.050%	
13	PM430	50	28		MP97		Vi-115V;Vo-9.0V;Io-135mA;Freq-60 to 400Hz;Tc-50m%/°C;Load and Line Reg-.02%	
14	PM438	50	28		MP97		Vi 115V;Vo 170V;Io 10mA;Freq 60 to 400Hz;Tc 50m%/°C;Line and Load Reg .05%.	
15	PM439	50	28		MP97		Vi 115V;Vo 180V;Io 10mA;Freq 60 to 400Hz;Tc 50m%/°C;Line and Load Reg .05%.	
16	PM441	50	28		MP97		Vi 115V;Vo 48V;Io 50mA;Freq 60 to 400Hz;Tc 20m%/°C;Line and Load Reg .02%.	
17	PM444	50	28		MP97		Vi 115V;Vo 3.6V;Io 250mA;Freq 60 to 400Hz;Tc 50m%/°C;Load and Line Reg .050%.	
18	PM452	50	28		MP97		Vi-115V;Vo-±30V;Io-100mA;Freq-60 to 400Hz;Tc-20m%/°C;Line and Load Reg-.02%	
19	PM456	50	28		MP97		Vi-115V;Vo-22V;Io-55mA;Freq-60 to 400Hz;Tc 20m%/°C;Line and Load Reg-.020%	
20	PM460	50	28		MP97		Vi 115V;Vo 18V;Io 65mA;Freq 60 to 400Hz;Tc 50m%/°C;Line and Load Reg .020%.	
21	PM462	50	28		MP97		Vi 115V;Vo 28V;Io 40mA;Freq 60 to 400Hz;Tc 20m%/°C;Line and Load Reg .02%.	
22	PM463	50	28		MP97		Vi-115V;Vo-12V;Io-100mA;Freq-60 to 400Hz;Tc-20m%/°C;Line and Load Reg-.020%	
23	PM474	50	28		MP97		Vi-115V;Vo-20V;Io-60mA;Freq-60 to 400Hz;Tc-20m%/°C;Line and Load Reg-.020%	
24	PM476	50	28		MP97		Vi 115V;Vo 15V;Io 100mA;Freq 60 to 400Hz;Tc 50m%/°C;Line and Load Reg .020%.	
25	PM485	50	28		MP9		Vi 115V;Vo 24V;Io 50mA;Freq 60 to 400Hz;Tc 20m%/°C;Line and Load Reg .020%.	
26	PM487	50	28		MP97		Vi-115V;Vo-10V;Io-120mA;Freq-60 to 400Hz;Tc-20m%/°C;Line and Load Reg-.020%	
27	PM493	50	28		MP97		Vi 115V;Vo ±10V;Io 120mA;Freq 60 to 400Hz;Tc 20m%/°C;Line and Load Reg .02%.	
28	PM504	50	27		MP388		Vi 115VAC;Vo ±15V;Io 100mA;Freq 50-400Hz;TC 20m%/°C;Reg Line and Load .02%;RPL 500uVRMS.	
29	PM506	50	27		MP388		Vi 115VAC;Vo ±15V;Io 65mA;Freq 50-400Hz;TC 20m%/°C;Reg Line and Load .02%;RPL 500uVRMS.	
30	PM508	50	27		MP94		Vi 115VAC;Vo 5.0V;Io 125mA;Freq 50-400Hz;TC 20m%/°C;Reg Line and Load .05%;RPL 500uVRMS.	
31	PM519	50	28		MP94		Vi 115VAC;Vo 170V;Io 10mA;Freq. 60-400Hz;Tc 200m%/°C max;Load and Line Reg. ± 1%.	
32	PM520	50	28		MP94		Vi 115VAC;Vo 180V;Io 10mA;Freq. 60-400Hz;Tc 200m%/°C max;Load and Line Reg. ± 1%.	
33	PM521	50	27		MP388d		Vi 115VAC;Vo ±15V;Io 350mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .02%;RPL 500uVRMS.	
34	PM522	50	27		MP94		Vi 115VAC;Vo 6.0V;Io 200mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .05%;RPL 500uVRMS.	
35	PM523	50	27		MP387		Vi 115VAC;Vo 12.0V;Io 100mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .02%;RPL 1.0mVRMS.	
36	PM524	50	27		MP388a		Vi 115VAC;Vo 5.0V;Io 500mA;Freq 50-400Hz;TC .02%/°C;Reg Line .02%;Load .04%;RPL 1.0mVrms.	
37	PM526	50	27		MP95		Vi 115VAC;Vo ±12V;Io 100mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .02%;RPL 500uVRMS.	
38	PM528	50	28		MP95		Vi 115VAC;Vo±18V;Io 65mA;Freq. 60-400Hz;Tc 20m%/°C max;Load and Line Reg. 20m%.	
39	PM529B	50	27		MP94		Vi 115V;Vo 5.0V;Io 250mA;Freq 60 to 400Hz;Tc 50m%/°C;Load and Line Reg .05%.	
40	PM530	50	28		MP93		Vi-115V;Vo-9.0V;Io-135mA;Freq-60 to 400Hz;Tc-50m%/°C;Load and Line Reg-.02%	
41	PM532	50	27		MP388c		Vi 115VAC;Vo 5.0V;Io 1000mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .04%;RPL 1.0mVRMS.	
42	PM539	50	28		MP94		Vi 115V;Vo 180V;Io 10mA;Freq 60 to 400Hz;Tc 50m%/°C;Line and Load Reg .05%.	
43	PM541	50	28		MP95		Vi 115V;Vo 48V;Io 50mA;Freq 60 to 400Hz;Tc 20m%/°C;Line and Load Reg .02%.	
44	PM544	50	27		MP94		Vi 115VAC;Vo 3.6V;Io 250mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .05%;RPL 500uVRMS.	
45	PM547	50	27		MP387		Vi 115VAC;Vo 10.0V;Io 120mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .02%;RPL 1.0mVRMS.	
46	PM551	50	27		MP243		Vi 115V;Vo ±15V;Io 65mA;Freq 60 to 400Hz;Tc 20m%/°C;Load Reg .02%;Line Reg .04%.	
47	PM552	50	27		MP95		Vi 115V;Vo ±15V;Io 100mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .02%;RPL 500uVRMS.	
48	PM555	50	27		MP243		Vi 115V;Vo ±15V;Io 100mA;Freq 60 to 400Hz;Tc 20m%/°C;Load Reg .03%;Line Reg .02%.	
49	PM556	50	28		MP93		Vi 115V;Vo 22V;Io 55mA;Freq 60 to 400Hz;Tc 20m%/°C;Line and Load Reg .020%.	
50	PM558	50	27		MP388		Vi 115VAC;Vo ±15V;Io 25mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .20%;RPL 2.0mVRMS.	
51	PM559	50	27		MP388b		Vi 115VAC;Vo ±15V;Io 200mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .02%;RPL 500uVRMS.	
52	PM568	50	27		MP244		Vi 115V;Vo ±15V;Io 25mA;Freq 50 to 400Hz;Tc 20m%/°C;Load and Line Reg .10%.	
53	PM588	50	27		MP387b		Vi 115VAC;Vo ±26V;Io 50mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .02%;RPL 500uVRMS.	
54	PM593	50	27		MP95		Vi 115VAC;Vo ±10V;Io 120mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .02%;RPL 500uVRMS.	
55	PM595	50	27		MP388a		Vi 115VAC;Vo 5.0V;Io 2000mA;Freq 50-400Hz;TC .02%/°C;Reg Line .02%;Load .05%;RPL 1.0mVRMS.	
56	PM598#1	50	27		MP389a		Vi 115VAC;Vo ±15V;Io 100mA;Freq 50-400Hz;TC .02%/°C;Reg Line .02%;Load .03%;RPL 1.0mVRMS.	
57	PM598#2	50	27		MP389a		Vi 115VAC;Vo 5.0V;Io 250mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .05%;RPL 1.0mVRMS.	
58	PM599#1	50	27		MP389		Vi 115VAC;Vo ±15V;Io 100mA;Freq 50-400Hz;TC .02%/°C;Reg Line .02%;Load .03%;RPL 1.0mVRMS.	
59	PM599#2	50	27		MP389		Vi 115VAC;Vo 5.0V;Io 500mA;Freq 50-400Hz;TC .02%/°C;Reg Line .02%;Load .06%;RPL 1.0mVRMS.	
60	PM608	50	07		MP96		Vi 115V;Vo 5.0V;Io 125mA;Freq 60 to 400Hz;Tc 50m%/°C;Load Reg .06%;Line Reg .08%.	
61	PM619	50	28		MP96		Vi 115VAC;Vo 170V;Io 10mA;Freq. 60-400Hz;Tc 200m%/°C max;Load and Line Reg. ± 1%.	
62	PM620	50	28		MP96		Vi 115VAC;Vo 180V;Io 10mA;Freq. 60-400Hz;Tc 200m%/°C max;Load and Line Reg. ± 1%.	
63	PM622	50	28		MP96		Vi-115V;Vo-6.0V;Io-200mA;Freq-60 to 400Hz;Tc-50m%/°C;Load and Line Reg-.050%	
64	PM626	50	28		MP96		Vi-115V;Vo-±24V;Io-100mA;Freq-60 to 400Hz;Tc-20m%/°C;Line and Load Reg-.02%	
65	PM628	50	28		MP96		Vi 115VAC;Vo±18V;Io 65mA;Freq. 60-400Hz;Tc 20m%/°C max;Load and Line Reg. 20m%.	
66	PM629	50	28		MP96		Vi-115V;Vo-5.0V;Io-250mA;Freq-60 to 400Hz;Tc-50m%/°C;Load and Line Reg-.050%	
67	PM630	50	28		MP96		Vi-115V;Vo-9.0V;Io-135mA;Freq-60 to 400Hz;Tc-50m%/°C;Line and Load Reg-.020%	
68	PM638	50	28		MP96		Vi 115V;Vo 170V;Io 10mA;Freq 60 to 400Hz;Tc 50m%/°C;Line and Load Reg .05%.	
69	PM639	50	28		MP96		Vi 115V;Vo 180V;Io 10mA;Freq 60 to 400Hz;Tc 50m%/°C;Line and Load Reg .05%.	
70	PM641	50	28		MP96		Vi 115V;Vo 48V;Io 50mA;Freq 60 to 400Hz;Tc 20m%/°C;Line and Load Reg .02%.	
71	PM644	50	28		MP96		Vi-115V;Vo-3.6V;Io-250mA;Freq-60 to 400Hz;Tc-50m%/°C;Load and Line Reg-.050%	
72	PM652	50	28		MP96		Vi-115V;Vo-20V;Io-60mA;Freq-60 to 400Hz;Tc-20m%/°C;Line and Load Reg-.020%	
73	PM656	50	28		MP9		Vi 115V;Vo 22V;Io 55mA;Freq 60 to 400Hz;Tc 20m%/°C;Line and Load Reg .020%.	
74	PM660	50	28		MP96		Vi-115V;Vo-18V;Io-65mA;Freq-60 to 400Hz;Tc-20m%/°C;Line and Load Reg-.020%	
75	PM662	50	28		MP96		Vi 115V;Vo 28V;Io 40mA;Freq 60 to 400Hz;Tc 20m%/°C;Line and Load Reg .02%.	
76	PM663	50	28		MP96		Vi-115V;Vo-12V;Io-100mA;Freq-60 to 400Hz;Tc-20m%/°C;Line and Load Reg-.020%	
77	PM674	50	28		MP96		Vi-115V;Vo-20V;Io-60mA;Freq-60 to 400Hz;Tc-20m%/°C;Line and Load Reg-.020%	
78	PM676	50	28		MP96		Vi 115V;Vo 15V;Io 100mA;Freq 60 to 400Hz;Tc 50m%/°C;Line and Load Reg .020%.	
79	PM685	50	28		MP9		Vi 115V;Vo 24V;Io 50mA;Freq 60 to 400Hz;Tc 20m%/°C;Line and Load Reg .020%.	
80	PM687	50	28		MP96		Vi-115V;Vo-10V;Io-120mA;Freq-60 to 400Hz;Tc-20m%/°C;Line and Load Reg-.020%	
81	PM693	50	28		MP96		Vi-115V;Vo-±10V;Io-120mA;Freq-60 to 400Hz;Tc-20m%/°C;Line and Load Reg-.02%	
82	PM810	50	28		MP94a		Vi 115VACt at 60Hz;Eout 6V-9V;Iload 440mA-15mA;Eripple 650mV-60mV.	
83	PM816	50	28		MP94a		Vi 115VACt at 60Hz;Eout 7V-11V;Iload 340mA-10mA;Eripple 550mV-55mV.	
84	PM820	50	28		MP94a		Vi 115VACt at 60Hz;Eout 8V-13V;Iload 300mA-0;Eripple 550mV-50mV.	
85	PM830	50	28		MP94a		Vi 115VACt at 60Hz;Eout 18V-22V;Iload 185mA-15mA;Eripple 2.2V-300mV.	
86	PM836	50	28		MP94a		Vi 115VACt at 60Hz;Eout 25V-35V;Iload 100mA-5.0mA;Eripple 1.5V-250mV.	
87	PM840	50	28		MP94a		Vi 115VACt at 60Hz;Eout 30V-45V;Iload 85mA-5.0mA;Eripple 4.3V-500mV.	
88	PS21	50	28		MP6b		ΔVi 168V;ΔVo±15V;ΔIo±15mA;Reg 1.0%t.	
89	PS22	50	28		MP6b		ΔVi 168V;ΔVo±15V;ΔIo±30mA;Reg 1.0%t.	
90	PS101	50	17	Z100	MP201		Vi 115VAC;Vo ±15V;Io 50mA;Freq 50-400Hz;Line Reg .005%;Load Reg .02%;TC .01%.	
91	PS102	50	17	Z100	MP201		Vi 115VAC;Vo ±15V;Io 80mA;Freq 50-400Hz;Line Reg .005%;Load Reg .02%;TC .01%.	
92	PS103	50	17	Z100	MP201		Vi 115VAC;Vo ±15V;Io 100mA;Freq 50-400Hz;Line Reg .005%;Load Reg .02%;TC .01%.	
93	PS104	50	17	Z100	MP201a		Vi 115VAC;Vo ±15V;Io 200mA;Freq 50-400Hz;Line Reg .005%;Load Reg .02%;TC .01%.	
94	PS121	50	07	Z100	MP201		Vi 115VAC;Vo ±15V;Io 50mA;Freq 50-400Hz;Line Reg .01%;Load Reg .10%;TC .02%.	
95	PS122	50	07	Z100	MP201		Vi 115VAC;Vo ±15V;Io 80mA;Freq 50-400Hz;Line Reg .01%;Load Reg .10%;TC .02%.	
96	PS123	50	07	Z100	MP201		Vi 115VAC;Vo ±15V;Io 100mA;Freq 50-400Hz;Line Reg .01%;Load Reg .05%;TC .02%.	
97	PS124	50	07	Z100	MP201a		Vi 115VAC;Vo ±15V;Io 200mA;Freq 50-400Hz;Line Reg .01%;Load Reg .05%;TC .02%.	
98	PS153	50	07	Z102	MP201		Vi 115VAC;Vo 5.0V;Io 500mA;Freq 50-400Hz;Line Reg .05%;Load Reg .10%;TC .05%.	
99	PS154	50	07	Z102	MP201a		Vi 115VAC;Vo 5.0V;Io 1.0A;Freq 50-400Hz;Line Reg .05%;Load Reg .10%;TC .05%.	
100	PS163	50	47	Z102	MP201		Vi 115VAC;Vo 5.0V;Io 500mA;Freq 50-400Hz;Line Reg .02%;Load Reg .05%;TC .02%.	
101	PS164	50	47	Z102	MP201a		Vi 115VAC;Vo 5.0V;Io 1.0A;Freq 50-400Hz;Line Reg .02%;Load Reg .05%;TC .02%.	
102	R155	50	28				Vi-22V.RMS 50-400Hz;Out.Volt 12-18VDC;TC-.02%/°C	
103	SE5D100	50	27		MP273		Vi 115VAC;Freq.Range 50-440Hz;VO ±5Vdc at 100mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.	
104	SE5D100E	50	27		MP273		Vi 220VAC;Freq.Range 50-440Hz;VO ±5Vdc at 100mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.	
105	SE5D250	50	27		MP273		Vi 115VAC;Freq.Range 50-440Hz;VO ±5Vdc at 250mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.	
106	SE5D250E	50	27		MP273		Vi 220VAC;Freq.Range 50-440Hz;VO ±5Vdc at 250mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.	
107	SE5S250	50	27		MP273		Vi 115VAC;Freq.Range 50-440Hz;VO 5Vdc at 250mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.	
108	SE5S250E	50	27		MP273		Vi 220VAC;Freq.Range 50-440Hz;VO 5Vdc at 250mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.	
109	SE5S500	50	27		MP273		Vi 115VAC;Freq.Range 50-440Hz;VO 5Vdc at 500mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.	
110	SE5S500E	50	27		MP273		Vi 220VAC;Freq.Range 50-440Hz;VO 5Vdc at 500mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.	

11. POWER SUPPLIES

IN ORDER OF (1) USE (2) TYPE No.

LINEAR

LINE No.	TYPE No.	USE	T E O S M P E	DRAWINGS		GENERAL DESCRIPTION
				CKT.	OUT- LINE Δ=MO	
1	SE5S1000	50	27		MP273a	VI 115VAC;Freq.Range 50-440Hz;VO 5Vdc at 1.0A;Reg.Line .01%;Load .05%;Noise 1.0mVrms.
2	SE5S1000E	50	27		MP273a	VI 220VAC;Freq.Range 50-440Hz;VO 5Vdc at 1.0A;Reg.Line .01%;Load .05%;Noise 1.0mVrms.
3	SE10S200	50	27		MP273	VI 115VAC;Freq.Range 50-440Hz;VO 10Vdc at 200mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.
4	SE10S200E	50	27		MP273	VI 220VAC;Freq.Range 50-440Hz;VO 10Vdc at 200mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.
5	SE12D50	50	27		MP273	VI 115VAC;Freq.Range 50-440Hz;VO ±12Vdc at 50mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.
6	SE12D50E	50	27		MP273	VI 220VAC;Freq.Range 50-440Hz;VO ±12Vdc at 50mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.
7	SE12D100	50	27		MP273	VI 115VAC;Freq.Range 50-440Hz;VO ±12Vdc at 100mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.
8	SE12D100E	50	27		MP273	VI 220VAC;Freq.Range 50-440Hz;VO ±12Vdc at 100mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.
9	SE12D200	50	27		MP273a	VI 115VAC;Freq.Range 50-440Hz;VO ±12Vdc at 200mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.
10	SE12D200E	50	27		MP273a	VI 220VAC;Freq.Range 50-440Hz;VO ±12Vdc at 200mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.
11	SE12S200	50	27		MP273	VI 115VAC;Freq.Range 50-440Hz;VO 12Vdc at 200mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.
12	SE12S200E	50	27		MP273	VI 220VAC;Freq.Range 50-440Hz;VO 12Vdc at 200mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.
13	SE15D50	50	27		MP273	VI 115VAC;Freq.Range 50-440Hz;VO ±15Vdc at 50mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.
14	SE15D50E	50	27		MP273	VI 220VAC;Freq.Range 50-440Hz;VO ±15Vdc at 50mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.
15	SE15D100	50	27		MP273	VI 115VAC;Freq.Range 50-440Hz;VO ±15Vdc at 100mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.
16	SE15D100E	50	27		MP273	VI 220VAC;Freq.Range 50-440Hz;VO ±15Vdc at 100mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.
17	SE15D200	50	27		MP273a	VI 115VAC;Freq.Range 50-440Hz;VO ±15Vdc at 200mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.
18	SE15D200E	50	27		MP273a	VI 220VAC;Freq.Range 50-440Hz;VO ±15Vdc at 200mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.
19	SE15S200	50	27		MP273	VI 115VAC;Freq.Range 50-440Hz;VO 15Vdc at 200mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.
20	SE15S200E	50	27		MP273	VI 220VAC;Freq.Range 50-440Hz;VO 15Vdc at 200mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.
21	SE18D50	50	27		MP273	VI 115VAC;Freq.Range 50-440Hz;VO ±18Vdc at 50mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.
22	SE18D50E	50	27		MP273	VI 220VAC;Freq.Range 50-440Hz;VO ±18Vdc at 50mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.
23	SE18D100	50	27		MP273a	VI 115VAC;Freq.Range 50-440Hz;VO ±18Vdc at 100mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.
24	SE18D100E	50	27		MP273a	VI 220VAC;Freq.Range 50-440Hz;VO ±18Vdc at 100mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.
25	SE18S100	50	27		MP273	VI 115VAC;Freq.Range 50-440Hz;VO 18Vdc at 100mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.
26	SE18S100E	50	27		MP273	VI 220VAC;Freq.Range 50-440Hz;VO 18Vdc at 100mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.
27	SE20S100	50	27		MP273	VI 115VAC;Freq.Range 50-440Hz;VO 20Vdc at 100mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.
28	SE20S100E	50	27		MP273	VI 220VAC;Freq.Range 50-440Hz;VO 20Vdc at 100mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.
29	SE24D50	50	27		MP273	VI 115VAC;Freq.Range 50-440Hz;VO ±24Vdc at 50mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.
30	SE24D50E	50	27		MP273	VI 220VAC;Freq.Range 50-440Hz;VO ±24Vdc at 50mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.
31	SE24S100	50	27		MP273	VI 115VAC;Freq.Range 50-440Hz;VO 24Vdc at 100mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.
32	SE24S100E	50	27		MP273	VI 220VAC;Freq.Range 50-440Hz;VO 24Vdc at 100mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.
33	SE28S100	50	27		MP273	VI 115VAC;Freq.Range 50-440Hz;VO 28Vdc at 100mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.
34	SE28S100E	50	27		MP273	VI 220VAC;Freq.Range 50-440Hz;VO 28Vdc at 100mA;Reg.Line .01%;Load .05%;Noise 1.0mVrms.
35	SE902	50	27		MP271a	VI 115VAC;Vo ±15V;Io 100mA;Freq 50-440Hz;Reg.Load.1% and Line.05%;TC.0.15%/°C;Rpl.5mVrms
36	SE902A	50	27		MP273a	VI 115VAC;Vo ±15V;Io 100mA;Freq 50-440Hz;Reg.Load.1% and Line.05%;TC.0.15%/°C;Rpl.5mVrms.
37	SE902E	50	27		MP271a	VI 220VAC;Vo ±15V;Io 100mA;Freq 50-440Hz;Reg.Load.1% and Line.05%;TC.0.15%/°C;Rpl.5mVrms
38	SE902I	50	27		MP271a	VI 115VAC;Vo ±15V;Io 100mA;Freq 50-440Hz;Reg.Load.1% and Line.05%;TC.0.15%/°C;Rpl.5mVrms
39	SE903	50	27		MP271b	VI 115VAC;Vo 5.0V;Io 500mA;Freq 50-440Hz;Reg.Load.1% and Line.05%;TC.0.2%/°C;Rpl.1.0mVrms
40	SE903A	50	27		MP273b	VI 115VAC;Vo 5.0V;Io 500mA;Freq 50-440Hz;Reg.Load.1% and Line.05%;TC.0.2%/°C;Rpl.1.0mVrms
41	SE903E	50	27		MP271b	VI 220VAC;Vo 5.0V;Io 500mA;Freq 50-440Hz;Reg.Load.1% and Line.05%;TC.0.2%/°C;Rpl.1.0mVrms
42	SE904	50	27		MP271	VI 115VAC;Vo ±15V;Io 50mA;Freq 50-440Hz;Reg.Load.1% and Line.05%;TC.0.15%/°C;Rpl.5mVrms
43	SE904A	50	27		MP273	VI 115VAC;Vo ±15V;Io 50mA;Freq 50-440Hz;Reg.Load.1% and Line.05%;TC.0.15%/°C;Rpl.5mVrms
44	SE904E	50	27		MP271	VI 220VAC;Vo ±15V;Io 50mA;Freq 50-440Hz;Reg.Load.1% and Line.05%;TC.0.15%/°C;Rpl.5mVrms
45	SE904I	50	27		MP271	VI 115VAC;Vo ±15V;Io 50mA;Freq 50-440Hz;Reg.Load.1% and Line.05%;TC.0.15%/°C;Rpl.5mVrms
46	SE905	50	27		MP271b	VI 115VAC;Vo 5.0V;Io 1.0A;Freq 50-440Hz;Reg.Load.1% and Line.05%;TC.0.2%/°C;Rpl.1.0mVrms
47	SE905A	50	27		MP273b	VI 115VAC;Vo 5.0V;Io 1.0A;Freq 50-440Hz;Reg.Load.1% and Line.05%;TC.0.2%/°C;Rpl.1.0mVrms
48	SE905E	50	27		MP271b	VI 220VAC;Vo 5.0V;Io 1.0A;Freq 50-440Hz;Reg.Load.1% and Line.05%;TC.0.2%/°C;Rpl.1.0mVrms
49	SE915	50	27		MP271	VI 115VAC;Vo ±15V;Io 25mA;Freq 50-440Hz;Reg.2% and Line.2%;TC.0.2%/°C;Rpl.1.0mVrms
50	SE915A	50	27		MP273	VI 115VAC;Vo ±15V;Io 25mA;Freq 50-440Hz;Reg.2% and Line.2%;TC.0.2%/°C;Rpl.1.0mVrms
51	SE915E	50	27		MP271	VI 220VAC;Vo ±15V;Io 25mA;Freq 50-440Hz;Reg.2% and Line.2%;TC.0.2%/°C;Rpl.1.0mVrms
52	SE915I	50	27		MP271	VI 115VAC;Vo ±15V;Io 25mA;Freq 50-440Hz;Reg.2% and Line.2%;TC.0.2%/°C;Rpl.1.0mVrms
53 #	SI3052A	50	3A	Z060a	MP352	Voltage Regulator;Vi 15VAC;Io 2.0A;Line Reg. 4.5%;Load Reg.2.0%;TC.0.5%/°C
54 #	SI3052B	50	3A	Z059	MP128	Max. Pd 50W;Nominal Vo 5.0V;Min. Ripple Rej. 40db;Max. load Reg. 800mA
55 #	SI3052C	50	3A	Z296	MP352	Voltage Regulator;Vi 15VAC;Io 2.0A;Line Reg. 4.5%;Load Reg.2.0%;TC.0.5%/°C
56 #	SI3121A	50	3A	Z060	MP352	Voltage Regulator;Vi 30VAC;Io 1.5A;Line Reg. 1.2%;Load Reg. .50%;TC.0.1%/°C
57 #	SI3241A	50	3A	Z060	MP352	Voltage Regulator;Vi 40VAC;Io 1.0A;Line Reg. 1.1%;Load Reg. .40%;TC.0.1%/°C
58 #	SI3241B	50	3A	Z060	MP352	Voltage Regulator;Vi 35VAC;Io 500mA;Line Reg. 1.0%;Load Reg. .40%;TC.0.1%/°C
59	SM25-6	50	26		MP81b	VI 125VAC;Vo ±6V;Io 25mA;Freq 50 to 440Hz;TC 20m%/°C;Line and Load Reg. .05%
60	SM25-12	50	26		MP81b	VI 125VAC;Vo ±12V;Io 25mA;Freq 50 to 440Hz;TC 20m%/°C;Line and Load Reg. .05%
61	SM25-15	50	26		MP81b	VI 125VAC;Vo ±15V;Io 25mA;Freq 50 to 440Hz;TC 20m%/°C;Line and Load Reg. .05%
62	SM50-18	50	27		MP518	Reg PS;Vi 105-125VAC;Vo 18V;Io 50mA;Reg %;Line .02;Load 0.1
63	SM50-24	50	26		MP81b	VI 125VAC;Vo ±24V;Io 50mA;Freq 50 to 440Hz;TC 20m%/°C;Line and Load Reg. .05%
64	SM75-12	50	26		MP2	Pi 125VΔ;Vo 24;Io 75mA;Freq 50 to 440Hz;TC 20m%/°C;Line and Load Reg. 50m%
65	SM75-15	50	26		MP2	Pi 125VΔ;Vo 30;Io 75mA;Freq 50 to 440Hz;TC 20m%/°C;Line and Load Reg. 50m%
66	SM100-18	50	27		MP518a	Reg PS;Vi 105-125VAC;Vo 18V;Io 100mA;Reg %;Line .02;Load 0.1
67	SM100-24	50	26		MP81a	VI 125VAC;Vo ±24V;Io 100mA;Freq 50 to 440Hz;TC 20m%/°C;Line and Load Reg. .05%
68	SP5902	50	27		MP271a	VI 105-125V;Freq 50-440Hz;Vo ±15V;Io ±100mA;Reg.Line .05% max;Load .10% max;TC.0.15%/°C
69	SP5902K	50	27		MP271a	VI 220V;Freq 50-440Hz;Vo ±15V;Io ±100mA;Reg.Line.05% max;Load .10% max;TC.0.15%/°C
70	SP5903K	50	27		MP271b	VI 220V;Freq 50-440Hz;Vo 5.0V;Io 500mA;Reg.Line .05% max;Load .10% max;TC.0.20%/°C
71	SP5904K	50	27		MP271	VI 220V;Freq 50-440Hz;Vo ±15V;Io 50mA;Reg.Line .05% max;Load .10% max;TC.0.15%/°C
72	SP5905K	50	27		MP271b	VI 220V;Freq 50-440Hz;Vo 5.0V;Io 1.0A;Reg.Line .05% max;Load .10% max;TC.0.20%/°C
73	SP5915K	50	27		MP271	VI 220V;Freq 50-440Hz;Vo ±15V;Io ±50mA;Line and Load Reg. .20% max;TC.0.2%/°C
74	SP5920K	50	27		MP271a	VI 220V;Freq 50-440Hz;Vo ±15V;Io ±200mA;Reg.Line .05% max;Load .10% max;TC.0.20%/°C
75	SQ1.5.250	50	27		MP362	VI 105-125V;Freq.Range 50-440Hz;Vo 5.0V;Io 250mA;Line and Load Reg. 20% ±
76	SQ2.12.30K	50	27		MP363	VI 220V;Freq.Range 50-440Hz;Vo 5.0V;Io 250mA;Line and Load Reg. 20% ±
77	SQ2.12.30K	50	27		MP363	VI 220V;Freq.Range 50-440Hz;Vo ±12V;Io ±30mA;Line and Load Reg. 10% ±
78	SQ2.12.50K	50	27		MP363	VI 220V;Freq.Range 50-440Hz;Vo ±12V;Io ±50mA;Line and Load Reg. 10% ±
79	SQ2.15.30K	50	27		MP363	VI 220V;Freq.Range 50-440Hz;Vo ±15V;Io ±30mA;Line and Load Reg. 10% ±
80	SQ2.15.50K	50	27		MP363	VI 220V;Freq.Range 50-440Hz;Vo ±15V;Io ±50mA;Line and Load Reg. 10% ±
81	TC-355	50				REGULATED; Fixed; Vi Range 2.5-7.5V; Vo ±15.6V; Io 88mA max; Po 1.5W
82	UCM5-4000	50	27		MP651b	VI 115VAC at 60-440Hz;Vo 5.0VDC;Acc ±1%;Io 4.0A;Load Reg .1%;Rpl 2.0mVrms;TC .02%/°C
83	UCM5-4000E	50	27		MP651b	VI 220VAC at 48-440Hz;Vo 5.0VDC;Acc ±1%;Io 4.0A;Load Reg .1%;Rpl 2.0mVrms;TC .02%/°C
84	UCM5-4000J	50	27		MP651b	VI 100VAC at 48-440Hz;Vo 5.0VDC;Acc ±1%;Io 4.0A;Load Reg .1%;Rpl 2.0mVrms;TC .02%/°C
85	UPM5-200D12	50	27		MP278a	VI 12VDC;Vo 5VDC;Io 200mA;TC .02%/°C;Line and Load Reg .02%
86	UPM5-200D28	50	27		MP278a	VI 28VDC;Vo 5VDC;Io 200mA;TC .02%/°C;Line and Load Reg .02%
87	UPM5-350	50	07		MP436	VI 115VAC;Vo 5VDC;Io 350mA;TC .005%/°C;Line Reg .05%;Load Reg .05%
88	UPM5-350J	50	27		MP456	Vo 5V;Io 350mA;Max Reg.05%Line,.2%Load;Ripple 2mVrms;TC.005%/°C;Vi 100VAC±10%,50-60Hz
89	UPM5-4000	50	27		MP365e	Vo 5V;Io 4.0A;Max Reg.05%Line,.10%Load;Ripple 2mVrms;TC.02%/°C;Vi 115VAC±10%,80-440Hz
90	UPM5-4000E	50	27		MP365e	Vo 5V;Io 4.0A;Max Reg.05%Line,.10%Load;Ripple 2mVrms;TC.02%/°C;Vi 220VAC±10%,48-440Hz
91	UPM5-4000J	50	27		MP365e	Vo 5V;Io 4.0A;Max Reg.05%Line,.10%Load;Ripple 2mVrms;TC.02%/°C;Vi 100VAC±10%,48-440Hz
92	UPM12-80D28	50	27		MP278a	VI 28VDC;Vo 12VDC;Io 80mA;TC .02%/°C;Line and Load Reg .02%
93	UPM12-80D5	50	27		MP278a	VI 5VDC;Vo 12VDC;Io 80mA;TC .02%/°C;Line and Load Reg .02%
94	UPM24-40D12	50	27		MP278a	VI 12VDC;Vo 24VDC;Io 40mA;TC .02%/°C;Line and Load Reg .02%
95	UPM24-40D5	50	27		MP278a	VI 5VDC;Vo 24VDC;Io 40mA;TC .02%/°C;Line and Load Reg .02%
96	US2-5D10-12D3	50	27		MP845	VI 140-280Vac/47-440Hz;200-400VDC;Vo ±5V/±1.0A±12V±300mA;Ln/Ld Reg 2/5%
97	US2-5D20-1-12D3	50	27		MP845	VI 140-280Vac/47-440Hz;200-400VDC;Vo 5V/2.0A,5V/-100mA,±12±300mA;Ln/Ld Reg 2/5%
98	US2-5S20-15D3	50	27		MP845	VI 140-280Vac/47-440Hz;200-400VDC;Vo 5V/2.0A,±15V±300mA;Ln/Ld Reg 2/2%
99	US2-5S50	50	27		MP845	VI 140-280Vac/47-440Hz;200-400VDC;Vo 5V;Io 5.0A;Ln/Ld Reg 2/2%;Isol 300VDC*;Rpl 5mVrms
100	US2-12S20	50	27		MP845	VI 140-280Vac/47-440Hz;200-400VDC;Vo 12V;Io 2.0A;Ln/Ld Reg 2/2%;Isol 300VDC*;Rpl 5mVrms
101	US2-12S6-5D10	50	27		MP845	VI 140-280Vac/47-440Hz;200-400VDC;Vo 5V/1.0A,5V/-1.0A,12V/600mA;Ln/Ld Reg 2/5%
102	US2-12S6-5D20/1	50	27		MP845	VI 140-280Vac/47-440Hz;200-400VDC;Vo 5V/2.0A,5V/-100mA,12V/600mA;Ln/Ld Reg 2/5%
103	USM5-10	50	07			VI 115VAC at 47-450Hz;Vo 5VDC;Io 10A;Load and Line Reg .1%;Rpl 25mVp-p;TC .01%/°C
104	USM5-10E	50	07			VI 220VAC at 4

11. POWER SUPPLIES

IN ORDER OF (1) USE (2) TYPE No.

LINEAR

LINE No.	TYPE No.	USE	TEMPERATURE	DRAWINGS		GENERAL DESCRIPTION
				CKT.	OUT-LINE Δ=MO	
1	Z5AZ250SL	50	27	MP306	Vi	115VACt;Vo 5V;Io 250mA;Load Reg. 0.5%;Line Reg. 0.5%;Rpl 5mVrms.
2	Z5AZ250SP	50	27	MP306	Vi	115VACt;Vo 5V;Io 250mA;Load Reg. 0.02%;Line Reg. 0.02%;Rpl 2mVrms.
3	Z5BT100OSP	50	27	MP305	Vi	230VACt;Vo 5V;Io 1000mA;Load Reg. 0.1%;Line Reg. 0.02%;Rpl 2mVrms.
4	Z15AT25DL	50	27	MP305	Vi	115VACt;Vo ±15V;Io 25mA;Reg.Load 0.2%;Line 0.2%;Rpl 2mVrms.
5	Z15AT100DL	50	27	MP305	Vi	115VACt;Vo ±15V;Io 65mA;Reg.Load 0.2%;Line 0.2%;Rpl 2mVrms.
6	Z15AT100TL#1	50	27	MP305	Vi	115VACt;Vo ±15V;Io 100mA;Load Reg. 0.2%;Line Reg. 0.2%;Rpl 2mVrms.
7	Z15AT100TL#2	50	27	MP305	Vi	115VACt;Vo 5V;Io 300mA;Load Reg. 1%;Line Reg. 0.2%;Rpl 2mVrms.
8	Z15AT100TP#1	50	27	MP305	Vi	115VACt;Vo ±15V;Io 100mA;Reg.Load 0.02%;Line 0.02%;Rpl 2mVrms.
9	Z15AT100TP#2	50	27	MP305	Vi	115VACt;Vo 5V;Io 300mA;Load Reg. 0.1%;Line Reg. 0.02%;Rpl 2mVrms.
10	Z15AT200DP	50	27	MP305	Vi	115VACt;Vo ±15V;Io 200mA;Reg.Load 0.2%;Line 0.2%;Rpl 2mVrms.
11	Z15A230DL	50	27	MP306	Vi	115VACt;Vo ±15V;Io 30mA;Load Reg. 0.5%;Line Reg. 0.5%;Rpl 5mVrms.
12	Z15A230DP	50	27	MP306	Vi	115VACt;Vo ±15V;Io 30mA;Load Reg. 0.02%;Line Reg. 0.02%;Rpl 2mVrms.
13	Z15A265DL	50	27	MP306	Vi	115VACt;Vo ±15V;Io 65mA;Load Reg. 0.5%;Line Reg. 0.5%;Rpl 5mVrms.
14	Z15A265DP	50	27	MP306	Vi	115VACt;Vo ±15V;Io 65mA;Load Reg. 0.02%;Line Reg. 0.02%;Rpl 2mVrms.
15	Z15A2100DL	50	27	MP306	Vi	115VACt;Vo ±15V;Io 100mA;Load Reg. 0.5%;Line Reg. 0.5%;Rpl 5mVrms.
16	Z15A2100DP	50	27	MP306	Vi	115VACt;Vo ±15V;Io 100mA;Load Reg. 0.02%;Line Reg. 0.02%;Rpl 2mVrms.
17	Z15BT100TL#1	50	27	MP305	Vi	230VACt;Vo ±15V;Io 100mA;Load Reg. 0.2%;Line Reg. 0.02%;Rpl 2mVrms.
18	Z15BT100TL#2	50	27	MP305	Vi	230VACt;Vo 5V;Io 300mA;Load Reg. 0.2%;Line Reg. 0.2%;Rpl 2mVrms.
19	Z15BT100TP#1	50	27	MP305	Vi	230VACt;Vo ±15V;Io 100mA;Load Reg. 0.02%;Line Reg. 0.02%;Rpl 2mVrms.
20	Z15BT100TP#2	50	27	MP305	Vi	230VACt;Vo 5V;Io 300mA;Load Reg. 0.1%;Line Reg. 0.02%;Rpl 2mVrms.
21	Z15BT200DP	50	27	MP305	Vi	230VACt;Vo ±15V;Io 200mA;Load Reg. 0.02%;Line Reg. 0.02%;Rpl 2mVrms.
22	Z15CT100TP#1	50	27	MP305	Vi	100-250VAC;Vo ±15V;Io 100mA;Load Reg. 0.02%;Line Reg. 0.02%;Rpl 2mVrms.
23	Z15CT100TP#2	50	27	MP305	Vi	100-250VAC;Vo 5V;Io 300mA;Load Reg. 0.1%;Line Reg. 0.02%;Rpl 2mVrms.
24	ZM1260	50	27	MP237	Vi	115VACt;Vo±12V;Io 60mA;Line Reg. 0.2%;Load Reg. 0.5%;Rpl 400uV rms.
25	ZM1525	50	27	MP237a	Vi	115VACt;Vo±15V;Io 25mA;Line Reg. 200%;Load Reg. 20%;Rpl 1.0mV rms.
26	ZM1550	50	27	MP237	Vi	115VACt;Vo±15V;Io 50mA;Line Reg. 0.2%;Load Reg. 0.5%;Rpl 400uV rms.
27	ZM1850	50	27	MP237	Vi	115VACt;Vo±18V;Io 50mA;Line Reg. 0.2%;Load Reg. 0.5%;Rpl 400uV rms.
28	ZM2450	50	27	MP237	Vi	115VACt;Vo±24V;Io 50mA;Line Reg. 0.2%;Load Reg. 0.5%;Rpl 400uV rms.
29	ZM3050	50	27	MP237	Vi	115VACt;Vo±30V;Io 50mA;Line Reg. 0.2%;Load Reg. 0.5%;Rpl 400uV rms.
30	ZM12100	50	27	MP237a	Vi	115VACt;Vo±12V;Io 100mA;Line Reg. 0.2%;Load Reg. 0.5%;Rpl 400uV rms.
31	ZP15100	50	27	MP237a	Vi	115VACt;Vo±15V;Io 100mA;Line Reg. 0.2%;Load Reg. 0.5%;Rpl 400uV rms.
32	ZP5250	50	27	MP240	Vi	115VACt;Vo±5.0V;Io 250mA;Line Reg. 0.5%;Load Reg. 10%;Rpl 1.0mVrms.
33	ZP5500	50	27	MP240	Vi	115VACt;Vo±5.0V;Io 500mA;Line Reg. 0.5%;Load Reg. 10%;Rpl 1.0mVrms.
34	ZP51000	50	27	MP240a	Vi	115VACt;Vo±5.0V;Io 1.0A;Line Reg. 0.5%;Load Reg. 10%;Rpl 1.0mV rms.
35	6P05M1-A	52	16	MP939a		REGULATED; Fixed; Vo 6V; Io 50-84mA; Po .50W; Regul; Line ±1.0%; Load 1.6%
36	12P10K1	52	16	MP939b		REGULATED; Fixed; Vo 12V; Io 50-84mA; Po 1.0W; Regul; Line ±0.8%; Load 1.1%
37	105-1	52	27	MP741	Po	6.0W;Vi 12 to 28V;Vo 9.0V at Io 1.0A;Line Reg. 2%;Load 2%
38	109-1	52	27	MP741	Po	6.0W;Vi 5.0 to 28V;Vo 9.0V at Io 666mA;Line Reg. 2%;Load 2%
39	110-1	52	27	MP741	Po	6.0W;Vi 5.0 to 28V;Vo 10V at Io 600mA;Line Reg. 2%;Load 2%
40	112-1	52	27	MP741	Po	6.0W;Vi 5.0 to 28V;Vo 12V at Io 500mA;Line Reg. 2%;Load 2%
41	112-2	52	27	MP741	Po	6.0W;Vi 5.0 to 28V;Dual Vo ±12V at Io ±250mA;Line Reg. 2%;Load 2%
42	115-1	52	27	MP741	Po	6.0W;Vi 5.0 to 28V;Vo 15V at Io 400mA;Line Reg. 2%;Load 2%
43	115-2	52	27	MP741	Po	6.0W;Vi 5.0 to 28V;Dual Vo ±15V at Io ±200mA;Line Reg. 2%;Load 2%
44	117-2	52	27	MP741	Po	6.0W;Vi 5.0 to 28V;Dual Vo 12V at Io 350mA and -5.0V at Io 350mA
45	118-2	52	27	MP741	Po	6.0W;Vi 5.0 to 28V;Dual Vo 5.0V at Io 350mA and -12V at Io 350mA
46	201-1	52	27		Vo	10kV;Io 50mA;Tc±0.01%;CT;ΔVs 30V;Supply Rej. ±0.01%;Acc. 0.1%
47	201-2	52	27		Vo	10kV;Io 100mA;Tc±0.01%;CT;ΔVs 30V;Supply Rej. ±0.01%;Acc. 0.1%
48	201-3	52	27		Vo	10kV;Io 150mA;Tc±0.01%;CT;ΔVs 30V;Supply Rej. ±0.01%;Acc. 0.1%
49	202-1	52	27		Vo	10kV;Io 50mA;Tc±0.01%;CT;ΔVs 30V;Supply Rej. ±0.01%;Acc. 0.1%
50	202-2	52	27		Vo	10kV;Io 100mA;Tc±0.01%;CT;ΔVs 30V;Supply Rej. ±0.01%;Acc. 0.1%
51	202-3	52	27		Vo	10kV;Io 150mA;Tc±0.01%;CT;ΔVs 30V;Supply Rej. ±0.01%;Acc. 0.1%
52	203-1	52	27		ΔVo	20kV;ΔIo 100mA;Tc±0.01%;CT;ΔVs 30V;Supply Rej. ±0.01%;Acc. 0.1%
53	203-2	52	27		ΔVo	20kV;ΔIo 200mA;Tc±0.01%;CT;ΔVs 30V;Supply Rej. ±0.01%;Acc. 0.1%
54	203-3	52	27		ΔVo	20kV;ΔIo 300mA;Tc±0.01%;CT;ΔVs 30V;Supply Rej. ±0.01%;Acc. 0.1%
55	510/25	52	48	MP2m	Vi	28V;Vo±5V;Io 150mA;Line Reg. 10%;Load Reg. 10%
56	510A/25	52	28	MP290c	Vi	34 VDC;Vo±15V;Io 200mA;Reg.Line 1.0%;Load 20%;TC 0.1%/°C.
57	510A/25	52	28	MP709	Vi	22-34V;Vo ±15V;Io ±100mA;No 100mVp-p;Rpl 2.0mVrms;Reg ±1.0%;TC ±0.1%/°C.
58	520/25	52	28	MP290c	Vi	14 VDC;Vo±15V;Io 300mA;Reg.Line 1.0%;Load 20%;TC 0.2%/°C.
59	570-100-117	52	27	MP7	Vo	22.0 to 800V;VoIxo 300mW;Temp Reg. 0.1%/°C;Ili 35mA;Rpl .60%pp.
60	946-01	52	28	MP108	Vi	5.20V;Vo±12V;Io ±14 to ±21V;Io ±120mA;Rpl 480mV p-p;Reg 550mV;Ro 9.0Ω.
61#	AN902	52	27	Z174	CN27	Multi transistors;Bvc130 25V;Pc 300mW;Tc 70
62	BPM 1530	52	07	MP435	Vi	115VDC ±10V;Vo ±15VDC;Io ±30mA;TC 0.2%/°C;Line Reg. 0.5%;Load Reg. 0.1%
63	CE5-5S180	52	27	MP278	Vi	5.0V;Vo 5.0V;Io 180mA;Reg Line and Load 0.2%;TC 0.2%;Eff 50%;Rpl 1.0mVrms.
64	CE5-5S600	52	27	MP277	Vi	5.0V;Vo 5.0V;Io 600mA;Reg Line and Load 0.2%;TC 0.2%;Eff 55%;Rpl 1.0mVrms.
65	CE5-12D100	52	27	MP277	Vi	5.0Vt;Vo±12V;Io 100mA;Reg Line and Load 0.2%;Rpl 1.0mVrms.
66	CE5-12D125	52	27	MP277	Vi	5.0Vt;Vo±12V;Io 125mA;Reg Line and Load 0.2%;TC 0.2%;Eff 55%;Rpl 1.0mVrms.
67	CE5-12D25	52	27	MP278	Vi	5.0Vt;Vo±12V;Io 25mA;Reg Line and Load 0.2%;Rpl 1.0mVrms.
68	CE5-12D35	52	27	MP278	Vi	5.0V;Vo±12V;Io 35mA;Reg Line and Load 0.2%;TC 0.2%;Eff 50%;Rpl 1.0mVrms.
69	CE5-12S250	52	27	MP277	Vi	5.0V;Vo 12V;Io 75mA;Reg Line and Load 0.2%;TC 0.2%;Eff 55%;Rpl 1.0mVrms.
70	CE5-12S75	52	27	MP278	Vi	5.0V;Vo 12V;Io 75mA;Reg Line and Load 0.2%;TC 0.2%;Eff 50%;Rpl 1.0mVrms.
71	CE5-15D100	52	27	MP277	Vi	5.0V;Vo±15V;Io 100mA;Reg Line and Load 0.2%;TC 0.2%;Eff 55%;Rpl 1.0mVrms.
72	CE5-15D30	52	27	MP278	Vi	5.0V;Vo±15V;Io 30mA;Reg Line and Load 0.2%;TC 0.2%;Eff 50%;Rpl 1.0mVrms.
73	CE5-15S200	52	27	MP277	Vi	5.0V;Vo 15V;Io 200mA;Reg Line and Load 0.2%;TC 0.2%;Eff 55%;Rpl 1.0mVrms.
74	CE5-15S60	52	27	MP278	Vi	5.0V;Vo 15V;Io 60mA;Reg Line and Load 0.2%;TC 0.2%;Eff 50%;Rpl 1.0mVrms.
75	CE5-18D25	52	27	MP278	Vi	5.0V;Vo±18V;Io 25mA;Reg Line and Load 0.2%;TC 0.2%;Eff 50%;Rpl 1.0mVrms.
76	CE5-18D85	52	27	MP277	Vi	5.0V;Vo±18V;Io 85mA;Reg Line and Load 0.2%;TC 0.2%;Eff 55%;Rpl 1.0mVrms.
77	CE5-24D18	52	27	MP278	Vi	5.0V;Vo±24V;Io 18mA;Reg Line and Load 0.2%;TC 0.2%;Eff 50%;Rpl 1.0mVrms.
78	CE5-24D20	52	27	MP278	Vi	5.0Vt;Vo±24V;Io 20mA;Reg Line and Load 0.2%;Rpl 1.0mVrms.
79	CE5-24D62	52	27	MP277	Vi	5.0V;Vo±24V;Io 62mA;Reg Line and Load 0.2%;TC 0.2%;Eff 55%;Rpl 1.0mVrms.
80	CE5-24D75	52	27	MP277	Vi	5.0Vt;Vo±24V;Io 75mA;Reg Line and Load 0.2%;Rpl 1.0mVrms.
81	CE5-24S125	52	27	MP277	Vi	5.0V;Vo 24V;Io 125mA;Reg Line and Load 0.2%;TC 0.2%;Eff 55%;Rpl 1.0mVrms.
82	CE5-24S36	52	27	MP278	Vi	5.0V;Vo 24V;Io 36mA;Reg Line and Load 0.2%;TC 0.2%;Eff 50%;Rpl 1.0mVrms.
83	CE5-28S100	52	27	MP277	Vi	5.0V;Vo 28V;Io 100mA;Reg Line and Load 0.2%;TC 0.2%;Eff 55%;Rpl 1.0mVrms.
84	CE5-28S32	52	27	MP278	Vi	5.0V;Vo 28V;Io 32mA;Reg Line and Load 0.2%;TC 0.2%;Eff 50%;Rpl 1.0mVrms.
85	CE6-5S180	52	27	MP278	Vi	6.0V;Vo 5.0V;Io 180mA;Reg Line and Load 0.2%;TC 0.2%;Eff 50%;Rpl 1.0mVrms.
86	CE6-5S600	52	27	MP277	Vi	6.0V;Vo 5.0V;Io 600mA;Reg Line and Load 0.2%;TC 0.2%;Eff 55%;Rpl 1.0mVrms.
87	CE6-12D100	52	27	MP277	Vi	6.0Vt;Vo±12V;Io 100mA;Reg Line and Load 0.2%;Rpl 1.0mVrms.
88	CE6-12D125	52	27	MP277	Vi	6.0V;Vo±12V;Io 125mA;Reg Line and Load 0.2%;TC 0.2%;Eff 55%;Rpl 1.0mVrms.
89	CE6-12D25	52	27	MP278	Vi	6.0Vt;Vo±12V;Io 25mA;Reg Line and Load 0.2%;Rpl 1.0mVrms.
90	CE6-12D35	52	27	MP278	Vi	6.0V;Vo±12V;Io 35mA;Reg Line and Load 0.2%;TC 0.2%;Eff 50%;Rpl 1.0mVrms.
91	CE6-12S250	52	27	MP277	Vi	6.0V;Vo 12V;Io 75mA;Reg Line and Load 0.2%;TC 0.2%;Eff 55%;Rpl 1.0mVrms.
92	CE6-12S75	52	27	MP278	Vi	6.0V;Vo 12V;Io 75mA;Reg Line and Load 0.2%;TC 0.2%;Eff 50%;Rpl 1.0mVrms.
93	CE6-15D100	52	27	MP277	Vi	6.0V;Vo±15V;Io 100mA;Reg Line and Load 0.2%;TC 0.2%;Eff 55%;Rpl 1.0mVrms.
94	CE6-15D30	52	27	MP278	Vi	6.0V;Vo±15V;Io 30mA;Reg Line and Load 0.2%;TC 0.2%;Eff 50%;Rpl 1.0mVrms.
95	CE6-15S200	52	27	MP277	Vi	6.0V;Vo 15V;Io 200mA;Reg Line and Load 0.2%;TC 0.2%;Eff 55%;Rpl 1.0mVrms.
96	CE6-15S60	52	27	MP278	Vi	6.0V;Vo 15V;Io 60mA;Reg Line and Load 0.2%;TC 0.2%;Eff 50%;Rpl 1.0mVrms.
97	CE6-18D25	52	27	MP278	Vi	6.0V;Vo±18V;Io 25mA;Reg Line and Load 0.2%;TC 0.2%;Eff 50%;Rpl 1.0mVrms.
98	CE6-18D85	52	27	MP277	Vi	6.0V;Vo±18V;Io 85mA;Reg Line and Load 0.2%;TC 0.2%;Eff 55%;Rpl 1.0mVrms.
99	CE6-24D18	52	27	MP278	Vi	6.0V;Vo±24V;Io 18mA;Reg Line and Load 0.2%;TC 0.2%;Eff 50%;Rpl 1.0mVrms.
100	CE6-24D20	52	27	MP278	Vi	6.0Vt;Vo±24V;Io 20mA;Reg Line and Load 0.2%;Rpl 1.0mVrms.
101	CE6-24D62	52	27	MP277	Vi	6.0V;Vo±24V;Io 62mA;Reg Line and Load 0.2%;TC 0.2%;Eff 55%;Rpl 1.0mVrms.
102	CE6-24D75	52	27	MP277	Vi	6.0Vt;Vo±24V;Io 75mA;Reg Line and Load 0.2%;Rpl 1.0mVrms.
103	CE6-24S125	52	27	MP277	Vi	6.0V;Vo 24V;Io 125mA;Reg Line and Load 0.2%;TC 0.2%;Eff 55%;Rpl 1.0mVrms.
104	CE6-24S36	52	27	MP278	Vi	6.0V;Vo 24V;Io 36mA;Reg Line and Load 0.2%;TC 0.2%;Eff 50%;Rpl 1.0mVrms.
105	CE6-28S100	52	27	MP277	Vi	6.0V;Vo 28V;Io 100mA;Reg Line and Load 0.2%;TC 0.2%;Eff 55%;Rpl 1.0mVrms.
106	CE6-28S32	52	27	MP278	Vi	6.0V;Vo 28V;Io 32mA;Reg Line and Load 0.2%;TC 0.2%;Eff 50%;Rpl 1.0mVrms.
107	CE12-5S180	52	27	MP278	Vi	12V;Vo 5.0V;Io 180mA;Reg Line and Load 0.2%;TC 0.2%;Eff 55%;Rpl 1.0mVrms.
108	CE12-5S600	52	27	MP277	Vi	12V;Vo 5.0V;Io 600mA;Reg Line and Load 0.2%;TC 0.2%;Eff 60%;Rpl 1.0mVrms.
109	CE12-12D100	52	27	MP277	Vi	12Vt;Vo±12V;Io 100mA;Reg Line and Load 0.2%;Rpl 1.0mVrms.
110	CE12-12D125	52	27	MP277		

11. POWER SUPPLIES

IN ORDER OF (1) USE (2) TYPE No.

LINEAR

LINE No.	TYPE No.	USE	T O M D P E	C K T.	DRAWINGS OUT-LINE Δ=MO	GENERAL DESCRIPTION
1	CE12-12D25	52	27		MP278	Vi 12Vt;Vo±12V;Io 25mA;Reg Load and Line .02%;Rpl 1.0mVrms.
2	CE12-12D35	52	27		MP278	Vi 12V;Vo±12V;Io 35mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
3	CE12-12S250	52	27		MP277	Vi 12V;Vo 12V;Io 250mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
4	CE12-12S75	52	27		MP278	Vi 12V;Vo 12V;Io 75mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
5	CE12-15D100	52	27		MP277	Vi 12V;Vo±15V;Io 100mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
6	CE12-15D30	52	27		MP278	Vi 12V;Vo±15V;Io 30mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
7	CE12-15S200	52	27		MP277	Vi 12V;Vo 15V;Io 200mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
8	CE12-15S60	52	27		MP278	Vi 12V;Vo 15V;Io 60mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
9	CE12-18D25	52	27		MP278	Vi 12V;Vo±18V;Io 25mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
10	CE12-18D85	52	27		MP277	Vi 12V;Vo±18V;Io 85mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
11	CE12-24D18	52	27		MP278	Vi 12V;Vo±24V;Io 18mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
12	CE12-24D20	52	27		MP278	Vi 12Vt;Vo±24V;Io 20mA;Reg Load and Line .02%;Rpl 1.0mVrms.
13	CE12-24D62	52	27		MP277	Vi 12V;Vo±24V;Io 62mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
14	CE12-24D75	52	27		MP277	Vi 12Vt;Vo±24V;Io 75mA;Reg Load and Line .02%;Rpl 1.0mVrms.
15	CE12-24S125	52	27		MP277	Vi 12V;Vo 24V;Io 125mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
16	CE12-24S36	52	27		MP278	Vi 12V;Vo 24V;Io 36mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
17	CE12-28S100	52	27		MP277	Vi 12V;Vo 28V;Io 100mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
18	CE12-28S32	52	27		MP278	Vi 12V;Vo 28V;Io 32mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
19	CE28-5S180	52	27		MP278	Vi 28V;Vo 5.0V;Io 180mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
20	CE28-5S600	52	27		MP277	Vi 28V;Vo 5.0V;Io 600mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
21	CE28-12D100	52	27		MP277	Vi 28Vt;Vo±12V;Io 100mA;Reg Load and Line .02%;Rpl 1.0mVrms.
22	CE28-12D125	52	27		MP277	Vi 28V;Vo±12V;Io 125mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
23	CE28-12D25	52	27		MP278	Vi 28Vt;Vo±12V;Io 25mA;Reg Load and Line .02%;Rpl 1.0mVrms.
24	CE28-12D35	52	27		MP278	Vi 28V;Vo±12V;Io 35mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
25	CE28-12S250	52	27		MP277	Vi 28V;Vo 12V;Io 250mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
26	CE28-12S75	52	27		MP278	Vi 28V;Vo 12V;Io 75mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
27	CE28-15D100	52	27		MP277	Vi 28V;Vo±15V;Io 100mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
28	CE28-15D30	52	27		MP278	Vi 28V;Vo±15V;Io 30mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
29	CE28-15S200	52	27		MP277	Vi 28V;Vo 15V;Io 200mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
30	CE28-15S60	52	27		MP278	Vi 28V;Vo 15V;Io 60mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
31	CE28-18D25	52	27		MP278	Vi 28V;Vo±18V;Io 25mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
32	CE28-18D85	52	27		MP277	Vi 28V;Vo±18V;Io 85mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
33	CE28-24D18	52	27		MP278	Vi 28V;Vo±24V;Io 18mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
34	CE28-24D20	52	27		MP278	Vi 28Vt;Vo±24V;Io 20mA;Reg Load and Line .02%;Rpl 1.0mVrms.
35	CE28-24D62	52	27		MP277	Vi 28V;Vo±24V;Io 62mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
36	CE28-24D75	52	27		MP277	Vi 28Vt;Vo±24V;Io 75mA;Reg Load and Line .02%;Rpl 1.0mVrms.
37	CE28-24S125	52	27		MP277	Vi 28V;Vo 24V;Io 125mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
38	CE28-24S36	52	27		MP278	Vi 28V;Vo 24V;Io 36mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
39	CE28-28S100	52	27		MP277	Vi 28V;Vo 28V;Io 100mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
40	CE28-28S32	52	27		MP278	Vi 28V;Vo 28V;Io 32mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
41	DD5-1.12.250	52	27		MP277	Vi 5.0V;Vo 12V;Io 250mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
42	DD5-1.12.75	52	27		MP35c	Vi 5.0V;Vo 12V;Io 75mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
43	DD5-1.24.125	52	27		MP277	Vi 5.0V;Vo 24V;Io 125mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
44	DD5-1.24.36	52	27		MP35c	Vi 5.0V;Vo 24V;Io 36mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
45	DD5-1.28.110	52	27		MP277	Vi 5.0V;Vo 28V;Io 110mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
46	DD5-1.28.32	52	27		MP35c	Vi 5.0V;Vo 28V;Io 32mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
47	DD5-1.30.100	52	27		MP277	Vi 5.0V;Vo 30V;Io 100mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
48	DD5-1.30.30	52	27		MP35c	Vi 5.0V;Vo 30V;Io 30mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
49	DD5-1.5.180	52	27		MP35c	Vi 5.0V;Vo 5.0V;Io 180mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
50	DD5-1.5.600	52	27		MP277	Vi 5.0V;Vo 5.0V;Io 600mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
51	DD5-2.12.100	52	27		MP277	Vi 5.0VDC;Vo ±12V;Io 100mA;Reg Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 60%.
52	DD5-2.12.125	52	27		MP277	Vi 5.0V;Vo ±12V;Io 125mA;Eff 60%;Line and Load Reg .02% max;T.C. .02%/°C.
53	DD5-2.12.25	52	27		MP35c	Vi 5.0VDC;Vo ±12;Io 25mA;Reg Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 50%.
54	DD5-2.12.35	52	27		MP35c	Vi 5.0V;Vo ±12V;Io 35mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
55	DD5-2.15.100	52	27		MP277	Vi 5.0VDC;Vo ±15V;Io 100mA;Reg Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 60%.
56	DD5-2.15.25	52	27		MP35c	Vi 5.0VDC;Vo ±15V;Io 25mA;Reg Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 50%.
57	DD5-2.15.30	52	27		MP35c	Vi 5.0V;Vo ±15V;Io 30mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
58	DD5-2.18.100	52	27		MP277	Vi 5.0VDC;Vo ±18V;Io 100mA;Reg Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff 60%.
59	DD5-2.18.25	52	27		MP35c	Vi 5.0VDC;Vo ±18V;Io 25mA;Reg Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 50%.
60	DD5-2.18.85	52	27		MP277	Vi 5.0V;Vo ±18V;Io 85mA;Eff 60%;Line and Load Reg .02% max;T.C. .02%/°C.
61	DD5-2.24.18	52	27		MP35c	Vi 5.0V;Vo ±24V;Io 18mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
62	DD5-2.24.25	52	27		MP35c	Vi 5.0VDC;Vo ±24V;Io 25mA;Reg Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 50%.
63	DD5-2.24.62	52	27		MP277	Vi 5.0V;Vo ±24V;Io 62mA;Eff 60%;Line and Load Reg .02% max;T.C. .02%/°C.
64	DD5-2.24.75	52	27		MP277	Vi 5.0VDC;Vo ±24V;Io 75mA;Reg Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 60%.
65	DD6-1.12.250	52	27		MP277	Vi 6.0V;Vo 12V;Io 250mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
66	DD6-1.12.75	52	27		MP35c	Vi 6.0V;Vo 12V;Io 75mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
67	DD6-1.24.125	52	27		MP277	Vi 6.0V;Vo 24V;Io 125mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
68	DD6-1.24.36	52	27		MP35c	Vi 6.0V;Vo 24V;Io 36mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
69	DD6-1.28.110	52	27		MP277	Vi 6.0V;Vo 28V;Io 110mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
70	DD6-1.28.32	52	27		MP35c	Vi 6.0V;Vo 28V;Io 32mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
71	DD6-1.30.100	52	27		MP277	Vi 6.0V;Vo 30V;Io 100mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
72	DD6-1.30.30	52	27		MP35c	Vi 6.0V;Vo 30V;Io 30mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
73	DD6-1.5.180	52	27		MP35c	Vi 6.0V;Vo 5.0V;Io 180mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
74	DD6-1.5.600	52	27		MP277	Vi 6.0V;Vo 5.0V;Io 600mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
75	DD6-2.12.100	52	27		MP277	Vi 6.0VDC;Vo ±12V;Io 100mA;Reg Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 60%.
76	DD6-2.12.125	52	27		MP277	Vi 6.0V;Vo ±12V;Io 125mA;Eff 60%;Line and Load Reg .02% max;T.C. .02%/°C.
77	DD6-2.12.25	52	27		MP35c	Vi 6.0VDC;Vo ±12V;Io 25mA;Reg Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 50%.
78	DD6-2.12.35	52	27		MP35c	Vi 6.0V;Vo ±12V;Io 35mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
79	DD6-2.15.100	52	27		MP277	Vi 6.0VDC;Vo ±15V;Io 100mA;Reg Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 60%.
80	DD6-2.15.25	52	27		MP35c	Vi 6.0VDC;Vo ±15V;Io 25mA;Reg Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 50%.
81	DD6-2.15.30	52	27		MP35c	Vi 6.0V;Vo ±15V;Io 30mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
82	DD6-2.18.100	52	27		MP277	Vi 6.0VDC;Vo ±18V;Io 100mA;Reg Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 60%.
83	DD6-2.18.25	52	27		MP35c	Vi 6.0VDC;Vo ±18V;Io 25mA;Reg Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 50%.
84	DD6-2.18.85	52	27		MP277	Vi 6.0V;Vo ±18V;Io 85mA;Eff 60%;Line and Load Reg .02% max;T.C. .02%/°C.
85	DD6-2.24.18	52	27		MP35c	Vi 6.0V;Vo ±24V;Io 18mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
86	DD6-2.24.25	52	27		MP35c	Vi 6.0VDC;Vo ±24V;Io 25mA;Reg Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 50%.
87	DD6-2.24.62	52	27		MP277	Vi 6.0V;Vo ±24V;Io 62mA;Eff 60%;Line and Load Reg .02% max;T.C. .02%/°C.
88	DD6-2.24.75	52	27		MP277	Vi 6.0VDC;Vo ±24V;Io 75mA;Reg Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 60%.
89	DD12-1.12.250	52	27		MP277	Vi 12V;Vo 12V;Io 250mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
90	DD12-1.12.75	52	27		MP35c	Vi 12V;Vo 12V;Io 75mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
91	DD12-1.24.125	52	27		MP277	Vi 12V;Vo 24V;Io 125mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
92	DD12-1.24.36	52	27		MP35c	Vi 12V;Vo 24V;Io 36mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
93	DD12-1.28.110	52	27		MP277	Vi 12V;Vo 28V;Io 110mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
94	DD12-1.28.32	52	27		MP35c	Vi 12V;Vo 28V;Io 32mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
95	DD12-1.30.100	52	27		MP277	Vi 12V;Vo 30V;Io 100mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
96	DD12-1.30.30	52	27		MP35c	Vi 12V;Vo 30V;Io 30mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
97	DD12-1.5.180	52	27		MP35c	Vi 12V;Vo 5.0V;Io 180mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
98	DD12-1.5.500	52	27		MP277	Vi 12V;Vo 5.0V;Io 500mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
99	DD12-2.12.100	52	27		MP277	Vi 12VDC;Vo ±12V;Io 100mA;Reg Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 65%.
100	DD12-2.12.125	52	27		MP277	Vi 12V;Vo ±12V;Io 125mA;Eff 65%;Line and Load Reg .02% max;T.C. .02%/°C.
101	DD12-2.12.25	52	27		MP35c	Vi 12VDC;Vo ±12V;Io 25mA;Reg Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 55%.
102	DD12-2.12.35	52	27		MP35c	Vi 12V;Vo ±12V;Io 35mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
103	DD12-2.15.100	52	27		MP277	Vi 12VDC;Vo ±15V;Io 100mA;Reg Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 65%.
104	DD12-2.15.25	52	27		MP35c	Vi 12VDC;Vo ±15V;Io 25mA;Reg Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 55%.
105	DD12-2.15.30	52	27		MP35c	Vi 12V;Vo ±15V;Io 30mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
106	DD12-2.18.100	52	27		MP277	Vi 12VDC;Vo ±18V;Io 100mA;Reg Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 65%.
107	DD12-2.18.25	52	27		MP35c	Vi 12VDC;Vo ±18V;Io 25mA;Reg Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 55%.
108	DD12-2.18.85	52	27		MP277	Vi 12V;Vo ±18V;Io 85mA;Eff 65%;Line and Load Reg .02% max;T.C. .02%/°C.
109	DD12-2.24.18	52	27		MP35c	Vi 12V;Vo ±24V;Io 18mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
110	DD12-2.24.25	52	27		MP35c	Vi 12VDC;Vo ±24V;Io 25mA;Reg Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 55%.

11. POWER SUPPLIES

IN ORDER OF (1) USE (2) TYPE No.

LINEAR

LINE No.	TYPE No.	USE	T O M D E	C O M P	C K T.	DRAWINGS OUT- LINE Δ=MO	GENERAL DESCRIPTION
1	DD12-2.24.62	52	27			MP277	Vi 12V;Vo ±24V;Io ±62mA;Eff 65%;Line and Load Reg.02% max;T.C. 02%/°C.
2	DD12-2.24.75	52	27			MP277	Vi 12VDC;Vo ±24V;Io 100mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 65%.
3	DD28-1.12.250	52	27			MP277	Vi 28V;Vo 12V;Io 250mA;Eff 55%;Line and Load Reg.02% max;T.C. 02%/°C.
4	DD28-1.12.75	52	27			MP35c	Vi 28V;Vo 12V;Io 75mA;Eff 55%;Line and Load Reg.02% max;T.C. 02%/°C.
5	DD28-1.24.125	52	27			MP277	Vi 28V;Vo 24V;Io 125mA;Eff 55%;Line and Load Reg.02% max;T.C. 02%/°C.
6	DD28-1.24.36	52	27			MP35c	Vi 28V;Vo 24V;Io 36mA;Eff 55%;Line and Load Reg.02% max;T.C. 02%/°C.
7	DD28-1.28.110	52	27			MP277	Vi 28V;Vo 28V;Io 110mA;Eff 55%;Line and Load Reg.02% max;T.C. 02%/°C.
8	DD28-1.28.32	52	27			MP35c	Vi 28V;Vo 28V;Io 32mA;Eff 55%;Line and Load Reg.02% max;T.C. 02%/°C.
9	DD28-1.30.100	52	27			MP277	Vi 28V;Vo 30V;Io 100mA;Eff 55%;Line and Load Reg.02% max;T.C. 02%/°C.
10	DD28-1.30.30	52	27			MP35c	Vi 28V;Vo 30V;Io 30mA;Eff 55%;Line and Load Reg.02% max;T.C. 02%/°C.
11	DD28-1.5.180	52	27			MP35c	Vi 28V;Vo 5.0V;Io 180mA;Eff 55%;Line and Load Reg.02% max;T.C. 02%/°C.
12	DD28-1.5.600	52	27			MP277	Vi 28V;Vo 5.0V;Io 600mA;Eff 55%;Line and Load Reg.02% max;T.C. 02%/°C.
13	DD28-2.12.100	52	27			MP277	Vi 28VDC;Vo ±12V;Io 100mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 65%.
14	DD28-2.12.125	52	27			MP277	Vi 28V;Vo ±12V;Io 125mA;Eff 65%;Line and Load Reg.02% max;T.C. 02%/°C.
15	DD28-2.12.25	52	27			MP35c	Vi 28VDC;Vo ±12V;Io 25mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 55%.
16	DD28-2.12.35	52	27			MP35c	Vi 28V;Vo ±12V;Io ±35mA;Eff 55%;Line and Load Reg.02% max;T.C. 02%/°C.
17	DD28-2.15.100	52	27			MP277	Vi 28VDC;Vo ±15V;Io 100mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 65%.
18	DD28-2.15.25	52	27			MP35c	Vi 28VDC;Vo ±15V;Io 25mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 55%.
19	DD28-2.15.30	52	27			MP35c	Vi 28V;Vo ±15V;Io ±30mA;Eff 55%;Line and Load Reg.02% max;T.C. 02%/°C.
20	DD28-2.18.100	52	27			MP277	Vi 28VDC;Vo ±18V;Io 100mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 65%.
21	DD28-2.18.25	52	27			MP35c	Vi 28VDC;Vo ±18V;Io 25mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 55%.
22	DD28-2.18.85	52	27			MP277	Vi 28V;Vo ±18V;Io ±85mA;Eff 65%;Line and Load Reg.02% max;T.C. 02%/°C.
23	DD28-2.24.18	52	27			MP35c	Vi 28V;Vo ±24V;Io ±18mA;Eff 55%;Line and Load Reg.02% max;T.C. 02%/°C.
24	DD28-2.24.25	52	27			MP35c	Vi 28VDC;Vo ±24V;Io 25mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 55%.
25	DD28-2.24.62	52	27			MP277	Vi 28V;Vo ±24V;Io ±62mA;Eff 65%;Line and Load Reg.02% max;T.C. 02%/°C.
26	DD28-2.24.75	52	27			MP277	Vi 28VDC;Vo ±24V;Io 75mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 65%.
27	DT15150	52					REGULATED;Fixed;Vi 5V;Vo ±15V at 150mA;w/65% Efficiency
28	DTD5-2.24.20	52	27			MP367	Vi 5.0V;Vo ±24V;Io ±20mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
29	DTD5-2.5.90	52	27			MP367	Vi 5.0V;Vo ±5.0V;Io ±90mA;Eff 80%;Freq 5-10kHz;No and Rpl 30mVp-p.
30	DTD5-2.6.75	52	27			MP367	Vi 5.0V;Vo ±6.0V;Io ±75mA;Eff 80%;Freq 5-10kHz;No and Rpl 30mVp-p.
31	DTD6-2.12.38	52	27			MP367	Vi 6.0V;Vo ±12V;Io ±38mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
32	DTD6-2.15.30	52	27			MP367	Vi 6.0V;Vo ±15V;Io ±30mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
33	DTD6-2.24.20	52	27			MP367	Vi 6.0V;Vo ±24V;Io 20mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
34	DTD6-2.5.90	52	27			MP367	Vi 6.0V;Vo ±5.0V;Io ±90mA;Eff 80%;Freq 5-10kHz;No and Rpl 30mVp-p.
35	DTD6-2.6.75	52	27			MP367	Vi 6.0V;Vo ±6.0V;Io ±75mA;Eff 80%;Freq 5-10kHz;No and Rpl 30mVp-p.
36	DTD12-2.24.20	52	27			MP367	Vi 12V;Vo ±24V;Io ±20mA;Eff 90%;Freq 5-10kHz;No and Rpl 30mVp-p.
37	DTD12-2.5.90	52	27			MP367	Vi 12V;Vo ±5.0V;Io ±90mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
38	DTD12-2.6.75	52	27			MP367	Vi 12V;Vo ±6.0V;Io ±75mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
39	DTD15-2.12.38	52	27			MP367	Vi 15V;Vo ±12V;Io ±38mA;Eff 90%;Freq 5-10kHz;No and Rpl 30mVp-p.
40	DTD15-2.15.30	52	27			MP367	Vi 15V;Vo ±15V;Io ±30mA;Eff 90%;Freq 5-10kHz;No and Rpl 30mVp-p.
41	DTD15-2.24.20	52	27			MP367	Vi 15V;Vo ±24V;Io ±20mA;Eff 90%;Freq 5-10kHz;No and Rpl 30mVp-p.
42	DTD15-2.5.90	52	27			MP367	Vi 15V;Vo ±5.0V;Io ±90mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
43	DTD15-2.6.75	52	27			MP367	Vi 15V;Vo ±6.0V;Io ±75mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
44	DTD28-2.12.38	52	27			MP367	Vi 28V;Vo ±12V;Io ±38mA;Eff 90%;Freq 5-10kHz;No and Rpl 30mVp-p.
45	DTD28-2.15.30	52	27			MP367	Vi 28V;Vo ±15V;Io ±30mA;Eff 90%;Freq 5-10kHz;No and Rpl 30mVp-p.
46	DTD28-2.24.20	52	27			MP367	Vi 28V;Vo ±24V;Io ±20mA;Eff 90%;Freq 5-10kHz;No and Rpl 30mVp-p.
47	DTD28-2.5.90	52	27			MP367	Vi 28V;Vo ±5.0V;Io 90mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
48	DTD28-2.6.75	52	27			MP367	Vi 28V;Vo ±6.0V;Io ±75mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
49	DT55-1.15.60	52	27			MP367	Vi 5.0V;Vo 15V;Io 60mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
50	DT55-1.24.38	52	27			MP367	Vi 5.0V;Vo 24V;Io 38mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
51	DT55-1.6.150	52	27			MP367	Vi 5.0V;Vo 6.0V;Io 150mA;Eff 80%;Freq 5-10kHz;No and Rpl 30mVp-p.
52	DT56-1.12.75	52	27			MP367	Vi 6.0V;Vo 12V;Io 75mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
53	DT56-1.15.60	52	27			MP367	Vi 6.0V;Vo 15V;Io 60mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
54	DT56-1.24.38	52	27			MP367	Vi 6.0V;Vo 24V;Io 38mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
55	DT56-1.5.180	52	27			MP367	Vi 6.0V;Vo 5.0V;Io 180mA;Eff 80%;Freq 5-10kHz;No and Rpl 30mVp-p.
56	DT56-1.6.150	52	27			MP367	Vi 6.0V;Vo 6.0V;Io 150mA;Eff 80%;Freq 5-10kHz;No and Rpl 30mVp-p.
57	DT56-1.12.75	52	27			MP367	Vi 12V;Vo 12V;Io 75mA;Eff 90%;Freq 5-10kHz;No and Rpl 30mVp-p.
58	DT56-1.15.60	52	27			MP367	Vi 12V;Vo 15V;Io 60mA;Eff 90%;Freq 5-10kHz;No and Rpl 30mVp-p.
59	DT56-1.24.38	52	27			MP367	Vi 12V;Vo 24V;Io 38mA;Eff 90%;Freq 5-10kHz;No and Rpl 30mVp-p.
60	DT56-1.6.150	52	27			MP367	Vi 12V;Vo 6.0V;Io 150mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
61	DT56-1.12.75	52	27			MP367	Vi 15V;Vo 12V;Io 75mA;Eff 90%;Freq 5-10kHz;No and Rpl 30mVp-p.
62	DT56-1.15.60	52	27			MP367	Vi 15V;Vo 15V;Io 60mA;Eff 90%;Freq 5-10kHz;No and Rpl 30mVp-p.
63	DT56-1.24.38	52	27			MP367	Vi 15V;Vo 24V;Io 38mA;Eff 90%;Freq 5-10kHz;No and Rpl 30mVp-p.
64	DT56-1.5.180	52	27			MP367	Vi 15V;Vo 5.0V;Io 180mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
65	DT56-1.6.150	52	27			MP367	Vi 15V;Vo 6.0V;Io 150mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
66	DT56-1.12.75	52	27			MP367	Vi 28V;Vo 12V;Io 75mA;Eff 90%;Freq 5-10kHz;No and Rpl 30mVp-p.
67	DT56-1.15.60	52	27			MP367	Vi 28V;Vo 15V;Io 60mA;Eff 90%;Freq 5-10kHz;No and Rpl 30mVp-p.
68	DT56-1.24.38	52	27			MP367	Vi 28V;Vo 24V;Io 38mA;Eff 90%;Freq 5-10kHz;No and Rpl 30mVp-p.
69	DT56-1.5.180	52	27			MP367	Vi 28V;Vo 5.0V;Io 180mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
70	DT56-1.6.150	52	27			MP367	Vi 28V;Vo 6.0V;Io 150mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
71	HC1050-1	52	5C			Y5203	MP184 Pwr 2.5W;Vi 20V;Vo 5.0V;Io 500mA;Refl Ripple 300mA;Eff 80%.
72	HC1060-1	52	5C			Y5203	MP184 Pwr 2.5W;Vi 20V;Vo 6.0V;Io 417mA;Refl Ripple 300mA;Eff 80%.
73	HC1080-1	52	5C			Y5203	MP184 Pwr 2.5W;Vi 20V;Vo 8.0V;Io 313mA;Refl Ripple 300mA;Eff 80%.
74	HC1100-1	52	5C			Y5203	MP184 Pwr 2.5W;Vi 20V;Vo 10V;Io 250mA;Refl Ripple 300mA;Eff 80%.
75	HC1101-1	52	5C			Y5203	MP184 Pwr 3.0W;Vi 20V;Vo 100V;Io 30mA;Refl Ripple 300mA;Eff 80%.
76	HC1120-1	52	5C			Y5203	MP184 Pwr 3.0W;Vi 20V;Vo 12V;Io 250mA;Refl Ripple 300mA;Eff 80%.
77	HC1150-1	52	5C			Y5203	MP184 Pwr 3.0W;Vi 20V;Vo 15V;Io 200mA;Refl Ripple 300mA;Eff 80%.
78	HC1151-1	52	5C			Y5203	MP184 Pwr 3.0W;Vi 20V;Vo 150V;Io 20mA;Refl Ripple 300mA;Eff 80%.
79	HC1200-1	52	5C			Y5203	MP184 Pwr 3.0W;Vi 20V;Vo 20V;Io 150mA;Refl Ripple 300mA;Eff 80%.
80	HC1201-1	52	5C			Y5203	MP184 Pwr 3.0W;Vi 20V;Vo 200V;Io 15mA;Refl Ripple 300mA;Eff 80%.
81	HC1280-1	52	5C			Y5203	MP184 Pwr 3.0W;Vi 20V;Vo 28V;Io 108mA;Refl Ripple 300mA;Eff 80%.
82	HC1300-1	52	5C			Y5203	MP184 Pwr 3.0W;Vi 20V;Vo 30V;Io 100mA;Refl Ripple 300mA;Eff 80%.
83	HC1301-1	52	5C			Y5203	MP184 Pwr 3.0W;Vi 20V;Vo 300V;Io 10mA;Refl Ripple 300mA;Eff 80%.
84	HC1500-1	52	5C			Y5203	MP184 Pwr 3.0W;Vi 20V;Vo 50V;Io 60mA;Refl Ripple 300mA;Eff 80%.
85	HC1750-1	52	5C			Y5203	MP184 Pwr 3.0W;Vi 20V;Vo 75V;Io 40mA;Refl Ripple 300mA;Eff 80%.
86	HC3120-1	52	5C			Y5203	MP184 Pwr 3.0W;Vi 20V;Vo ±12V;Io ±125mA;Refl Ripple 300mA;Eff 80%.
87	HC3150-1	52	5C			Y5203	MP184 Pwr 3.0W;Vi 20V;Vo ±15V;Io ±100mA;Refl Ripple 300mA;Eff 80%.
88	HC3180-1	52	5C			Y5203	MP184 Pwr 3.0W;Vi 20V;Vo ±18V;Io ±83mA;Refl Ripple 300mA;Eff 80%.
89	HC3250-1	52	5C			Y5203	MP184 Pwr 3.0W;Vi 20V;Vo ±25V;Io ±60mA;Refl Ripple 300mA;Eff 80%.
90	HC4050-1	52	5C			Y5203	MP184 Pwr 2.5W;Vi 12V;Vo 5.0V;Io 500mA;Refl Ripple 900mA;Eff 75%.
91	HC4080-1	52	5C			Y5203	MP184 Pwr 2.5W;Vi 12V;Vo 8.0V;Io 417mA;Refl Ripple 900mA;Eff 75%.
92	HC4080-1	52	5C			Y5203	MP184 Pwr 2.5W;Vi 12V;Vo 8.0V;Io 313mA;Refl Ripple 900mA;Eff 75%.
93	HC4100-1	52	5C			Y5203	MP184 Pwr 2.5W;Vi 12V;Vo 10V;Io 250mA;Refl Ripple 900mA;Eff 75%.
94	HC4101-1	52	5C			Y5203	MP184 Pwr 3.0W;Vi 12V;Vo 100V;Io 30mA;Refl Ripple 900mA;Eff 75%.
95	HC4120-1	52	5C			Y5203	MP184 Pwr 3.0W;Vi 12V;Vo 12V;Io 250mA;Refl Ripple 900mA;Eff 75%.
96	HC4150-1	52	5C			Y5203	MP184 Pwr 3.0W;Vi 12V;Vo 15V;Io 200mA;Refl Ripple 900mA;Eff 75%.
97	HC4151-1	52	5C			Y5203	MP184 Pwr 3.0W;Vi 12V;Vo 150V;Io 20mA;Refl Ripple 900mA;Eff 75%.
98	HC4200-1	52	5C			Y5203	MP184 Pwr 3.0W;Vi 12V;Vo 20V;Io 150mA;Refl Ripple 900mA;Eff 75%.
99	HC4201-1	52	5C			Y5203	MP184 Pwr 3.0W;Vi 12V;Vo 200V;Io 15mA;Refl Ripple 900mA;Eff 75%.
100	HC4240-1	52	5C			Y5203	MP184 Pwr 3.0W;Vi 12V;Vo 24V;Io 125mA;Refl Ripple 900mA;Eff 75%.
101	HC4280-1	52	5C			Y5203	MP184 Pwr 3.0W;Vi 12V;Vo 28V;Io 108mA;Refl Ripple 900mA;Eff 75%.
102	HC4300-1	52	5C			Y5203	MP184 Pwr 3.0W;Vi 12V;Vo 30V;Io 100mA;Refl Ripple 900mA;Eff 75%.
103	HC4301-1	52	5C			Y5203	MP184 Pwr 3.0W;Vi 12V;Vo 300V;Io 10mA;Refl Ripple 900mA;Eff 75%.
104	HC4500-1	52	5C			Y5203	MP184 Pwr 3.0W;Vi 12V;Vo 50V;Io 60mA;Refl Ripple 900mA;Eff 75%.
105	HC4750-1	52	5C			Y5203	MP184 Pwr 3.0W;Vi 12V;Vo 75V;Io 40mA;Refl Ripple 900mA;Eff 75%.
106	HC5120-1	52	5C			Y5203	MP184 Pwr 3.0W;Vi 12V;Vo ±12V;Io ±125mA;Refl Ripple 900mA;Eff 75%.
107	HC5150-1	52	5C			Y5203	MP184 Pwr 3.0W;Vi 12V;Vo ±15V;Io 100mA;Refl Ripple 900mA;Eff 75%.
108	HC5180-1	52	5C			Y5203	MP184 Pwr 3.0W;Vi 12V;Vo ±18V;Io ±83mA;Refl Ripple 900mA;Eff 75%.
109	HC5250-1	52	5C			Y5203	MP184 Pwr 3.0W;Vi 12V;Vo ±25V;Io ±60mA;Refl Ripple 900mA;Eff 75%.
110	HC7150-1	52	5C			Y5203	MP184 Pwr2.0W;Vi5.0V;Vo±15V;Io±67mA;Refl Ripple1.5A;Eff70%

11. POWER SUPPLIES

IN ORDER OF (1) USE (2) TYPE No.

LINEAR

LINE No.	TYPE No.	USE	CODE	DRAWINGS	GENERAL DESCRIPTION	
				CKT. OUT-LINE Δ-MO		
1	IC28-700C	52	6J	CN87	For Radiation detector;Vi-40V max;Vo-700V;Po-250mW max;Reg. .25%;Rpl-1% P-P	
2	IC28-700F	52	6J	MP87	For Radiation detector;Vi-40V max;Vo-700V;Po-250mW max;Reg. .25%;Rpl-1% P-P	
3	IC28-700J	52	6J	MP88	For Radiation detector;Vi-40V max;Vo-700V;Po-250mW max;Reg. .25%;Rpl-1% P-P	
4	IC28-700R	52	6J	MP89	For Radiation detector;Vi-40V max;Vo-700V;Po-250mW max;Reg. .25%;Rpl-1% P-P	
5	IC28BPC	52	6J	CN87	Vi-40V max;Vo ₁ -5-50V;Po-250mW;Reg. .25% over input voltage range Rpl-1% P-P	
6	IC28BPF	52	6J	MP87	Vi-40V max;Vo ₁ -5-50V;Po-250mW;Reg. .25% over input voltage range Rpl-1% P-P	
7	IC28BFP	52	6J	MP88	Vi-40V max;Vo ₁ -5-50V;Po-250mW;Reg. .25% over input voltage range Rpl-1% P-P	
8	IC28BPR	52	6J	MP89	Vi-40V max;Vo ₁ -5-50V;Po-250mW;Reg. .25% over input voltage range Rpl-1% P-P	
9	IC1018C	52	6J	CN87	Vi-18V max;Vo ₁ -5-500V;Po-250mW max;Reg. .25% over input voltage range Rpl-1% P-P	
10	IC1018F	52	6J	MP87	Vi-18V max;Vo ₁ -5-500V;Po-250mW max;Reg. .25% over input voltage range Rpl-1% P-P	
11	IC1018J	52	6J	MP88	Vi-18V max;Vo ₁ -5-500V;Po-250mW max;Reg. .25% over input voltage range Rpl-1% P-P	
12	IC1018R	52	6J	MP89	Vi-18V max;Vo ₁ -5-500V;Po-250mW max;Reg. .25% over input voltage range Rpl-1% P-P	
13	IC2240C	52	6J	CN87	Vi-40V max;Vo ₁ -5-500V;Po-250mW max;Reg. .25% over input voltage range Rpl-1% P-P	
14	IC2240F	52	6J	MP87	Vi-40V max;Vo ₁ -5-500V;Po-250mW max;Reg. .25% over input voltage range Rpl-1% P-P	
15	IC2240J	52	6J	MP88	Vi-40V max;Vo ₁ -5-500V;Po-250mW max;Reg. .25% over input voltage range Rpl-1% P-P	
16	IC2240R	52	6J	MP89	Vi-40V max;Vo ₁ -5-500V;Po-250mW max;Reg. .25% over input voltage range Rpl-1% P-P	
17	ICL7680CTV	52	27	MP1	Converter;DC/DC;Vin 1.5-10V;Vo-1.5 to -10V;2 Ext. Caps Readfor Charge Pump/Reservoir Func	
18	ICL7680MT	52	27	TO99	Converter;DC/DC;Vin 1.5-10V;Vo-1.5 to -10V;2 Ext. Caps Readfor Charge Pump/Reservoir Func	
19	ICL7680CTV	52	27	TO99	Converter;DC/DC;Vin ±1.5-10V;Vo-1.5-10V;2 Ext. Caps Readfor Charge Pump/Reservoir Func	
20	MCC139-5	52	37	Y5222	Pd 1.0VA;Vi 2.5V;Vo 300mV;Io 3.0A;Freq Rng 5.0kHz-40kHz;Oscil Duty Cycle 75%ΔZ	
21	MPD5-150B	52	57	Y5213	Vi 28V;Vo 5.0V at 600mA or 150V at 5.0mA;TC 50m%/°C;Reg. line 5.0mΔ, load 12.5mV.	
22	MPD5-150C	52	57	MP133	Vi 5.0V;Vo 5.0V at 600mA or 150V at 5.0mA;TC 50m%/°C;Reg. line 5.0mΔ, load 12.5mV.	
23	MPD5-750B	52	57	MP133	Vi 28V;Vo 5.0V at 750mA;TC 50m%/°C;Reg. line 5.0mΔ, load 12.5mV.	
24	MPD5-750C	52	57	MP133	Vi 5.0V;Vo 5.0V at 750mA;TC 50m%/°C;Reg. line 5.0mΔ, load 12.5mV.	
25	MPD15-100B	52	57	MP134	Vi 28V;Vo±15V at 100mA;TC 15m%/°C;Reg. line 5.0mΔ, load 20mΔ.	
26	MPD15-100C	52	57	MP134	Vi 5.0V;Vo±15V at 100mA;TC 15m%/°C;Reg. line 5.0mΔ, load 20mΔ.	
27	MPD15-300B	52	57	MP135	Vi 28V;Vo±15V at 300mA;TC 15m%/°C;Reg. line 5.0mΔ, load 20mΔ.	
28	MPD15-300C	52	57	MP135	Vi 5.0V;Vo±15V at 300mA;TC 15m%/°C;Reg. line 5.0mΔ, load 20mΔ.	
29	PD5	52	28	MP90	Vi 5.0V;Vo 15V;Po 1.0W;TC .05%/°C;Reg. 1.0%;Rpl .10%.	
30	PD13-20	52	28	MP90a	Vi 5.0 to 28V;Vo 20V;Io 12mA.	
31	PD15	52	27	MP90a	Vi 28V;Vo ±15V;Io 34mA each;Reg less than 2.5% line 1.0%;Rpl less than .30%.	
32	PM802	52	27	MP708	Vi 4.65-5.50V;Vo 9.0VDC;Io 1.2A;Load Reg ±0.5%;TC ±0.2%/°C	
33	PM812	52	27	MP708	Vi 1.1-1.3 2V;Vo 9.0VDC;Io 1.2A;Load Reg ±0.5%;TC ±0.2%/°C	
34	PM822	52	27	MP708	Vi 22-32 26 40V;Vo 9.0VDC;Io 1.2A;Load Reg ±0.5%;TC ±0.2%/°C	
35	PM832	52	27	MP708	Vi 26.0-30.80V;Vo 9.0VDC;Io 1.2A;Load Reg ±0.5%;TC ±0.2%/°C	
36	PM842	52	27	MP708	Vi 48VDC;Vo 9.0VDC;Io 1.2A;Ln/Ld Reg ±0.2%/±0.5%Δ;Rpl 1.0mVRMSΔ;Eff 61%*	
37	PM801A	52	27	Y5211	MP667	Vi 5.0V;Vo 0.0V;Io 1.0A;Reg Line ±0.2%Δ;Load ±0.4%Δ;Eff 61%*Vo Acc ±5%Δ;TC ±0.2%/°CΔ
38	PM802	52	27	Y5211	MP668	Vi 5.0V;Vo 5.0V;Io 1.0A;Reg Line ±0.2%Δ;Load ±0.4%Δ;Eff 61%*Vo Acc ±5%Δ;TC ±0.2%/°CΔ
39	PM802	52	27	Y5211	MP665	Vi 5.0V;Vo 9.0V;Io 600mA;Reg Line ±0.2%Δ;Load ±0.4%Δ;Eff 61%*Vo Acc ±5%Δ;TC ±0.2%/°CΔ
40	PM802A	52	27	Y5211	MP667	Vi 5.0V;Vo 9.0V;Io 600mA;Reg Line ±0.2%Δ;Load ±0.4%Δ;Eff 61%*Vo Acc ±5%Δ;TC ±0.2%/°CΔ
41	PM802B	52	27	Y5211	MP668	Vi 5.0V;Vo 9.0V;Io 600mA;Reg Line ±0.2%Δ;Load ±0.4%Δ;Eff 61%*Vo Acc ±5%Δ;TC ±0.2%/°CΔ
42	PM803A	52	27	Y5211	MP667	Vi 5.0V;Vo 12V;Io 470mA;Reg Line ±0.2%Δ;Load ±0.4%Δ;Eff 61%*Vo Acc ±5%Δ;TC ±0.2%/°CΔ
43	PM803B	52	27	Y5211	MP668	Vi 5.0V;Vo 12V;Io 470mA;Reg Line ±0.2%Δ;Load ±0.4%Δ;Eff 61%*Vo Acc ±5%Δ;TC ±0.2%/°CΔ
44	PM804A	52	27	Y5211	MP667	Vi 5.0V;Vo 15V;Io 400mA;Reg Line ±0.2%Δ;Load ±0.4%Δ;Eff 61%*Vo Acc ±5%Δ;TC ±0.2%/°CΔ
45	PM804B	52	27	Y5211	MP668	Vi 5.0V;Vo 15V;Io 400mA;Reg Line ±0.2%Δ;Load ±0.4%Δ;Eff 61%*Vo Acc ±5%Δ;TC ±0.2%/°CΔ
46	PM811A	52	27	Y5211	MP667	Vi 12V;Vo 5.0V;Io 1.0A;Reg Line ±0.2%Δ;Load ±0.4%Δ;Eff 61%*Vo Acc ±5%Δ;TC ±0.2%/°CΔ
47	PM811B	52	27	Y5211	MP668	Vi 12V;Vo 5.0V;Io 1.0A;Reg Line ±0.2%Δ;Load ±0.4%Δ;Eff 61%*Vo Acc ±5%Δ;TC ±0.2%/°CΔ
48	PM812	52	27	Y5211	MP665	Vi 12V;Vo 9.0V;Io 600mA;Reg Line ±0.2%Δ;Load ±0.4%Δ;Eff 61%*Vo Acc ±5%Δ;TC ±0.2%/°CΔ
49	PM812A	52	27	Y5211	MP667	Vi 12V;Vo 9.0V;Io 600mA;Reg Line ±0.2%Δ;Load ±0.4%Δ;Eff 61%*Vo Acc ±5%Δ;TC ±0.2%/°CΔ
50	PM812B	52	27	Y5211	MP668	Vi 12V;Vo 9.0V;Io 600mA;Reg Line ±0.2%Δ;Load ±0.4%Δ;Eff 61%*Vo Acc ±5%Δ;TC ±0.2%/°CΔ
51	PM813A	52	27	Y5211	MP667	Vi 12V;Vo 2V;Io 470mA;Reg Line ±0.2%Δ;Load ±0.4%Δ;Eff 61%*Vo Acc ±5%Δ;TC ±0.2%/°CΔ
52	PM813B	52	27	Y5211	MP668	Vi 12V;Vo 2V;Io 470mA;Reg Line ±0.2%Δ;Load ±0.4%Δ;Eff 61%*Vo Acc ±5%Δ;TC ±0.2%/°CΔ
53	PM814A	52	27	Y5211	MP667	Vi 12V;Vo 15V;Io 400mA;Reg Line ±0.2%Δ;Load ±0.4%Δ;Eff 61%*Vo Acc ±5%Δ;TC ±0.2%/°CΔ
54	PM814B	52	27	Y5211	MP668	Vi 12V;Vo 15V;Io 400mA;Reg Line ±0.2%Δ;Load ±0.4%Δ;Eff 61%*Vo Acc ±5%Δ;TC ±0.2%/°CΔ
55	PM821A	52	27	Y5211	MP667	Vi 24V;Vo 5.0V;Io 1.0A;Reg Line ±0.2%Δ;Load ±0.4%Δ;Eff 61%*Vo Acc ±5%Δ;TC ±0.2%/°CΔ
56	PM821B	52	27	Y5211	MP668	Vi 24V;Vo 5.0V;Io 1.0A;Reg Line ±0.2%Δ;Load ±0.4%Δ;Eff 61%*Vo Acc ±5%Δ;TC ±0.2%/°CΔ
57	PM822	52	27	Y5211	MP665	Vi 24V;Vo 9.0V;Io 600mA;Reg Line ±0.2%Δ;Load ±0.4%Δ;Eff 61%*Vo Acc ±5%Δ;TC ±0.2%/°CΔ
58	PM822A	52	27	Y5211	MP667	Vi 24V;Vo 9.0V;Io 600mA;Reg Line ±0.2%Δ;Load ±0.4%Δ;Eff 61%*Vo Acc ±5%Δ;TC ±0.2%/°CΔ
59	PM822B	52	27	Y5211	MP668	Vi 24V;Vo 9.0V;Io 600mA;Reg Line ±0.2%Δ;Load ±0.4%Δ;Eff 61%*Vo Acc ±5%Δ;TC ±0.2%/°CΔ
60	PM823A	52	27	Y5211	MP667	Vi 24V;Vo 12V;Io 470mA;Reg Line ±0.2%Δ;Load ±0.4%Δ;Eff 61%*Vo Acc ±5%Δ;TC ±0.2%/°CΔ
61	PM823B	52	27	Y5211	MP668	Vi 24V;Vo 12V;Io 470mA;Reg Line ±0.2%Δ;Load ±0.4%Δ;Eff 61%*Vo Acc ±5%Δ;TC ±0.2%/°CΔ
62	PM824A	52	27	Y5211	MP667	Vi 24V;Vo 15V;Io 400mA;Reg Line ±0.2%Δ;Load ±0.4%Δ;Eff 61%*Vo Acc ±5%Δ;TC ±0.2%/°CΔ
63	PM824B	52	27	Y5211	MP668	Vi 24V;Vo 15V;Io 400mA;Reg Line ±0.2%Δ;Load ±0.4%Δ;Eff 61%*Vo Acc ±5%Δ;TC ±0.2%/°CΔ
64	PM831A	52	27	Y5211	MP667	Vi 28V;Vo 5.0V;Io 1.0A;Reg Line ±0.2%Δ;Load ±0.4%Δ;Eff 61%*Vo Acc ±5%Δ;TC ±0.2%/°CΔ
65	PM831B	52	27	Y5211	MP668	Vi 28V;Vo 5.0V;Io 1.0A;Reg Line ±0.2%Δ;Load ±0.4%Δ;Eff 61%*Vo Acc ±5%Δ;TC ±0.2%/°CΔ
66	PM832	52	27	Y5211	MP665	Vi 28V;Vo 9.0V;Io 600mA;Reg Line ±0.2%Δ;Load ±0.4%Δ;Eff 61%*Vo Acc ±5%Δ;TC ±0.2%/°CΔ
67	PM832A	52	27	Y5211	MP667	Vi 28V;Vo 9.0V;Io 600mA;Reg Line ±0.2%Δ;Load ±0.4%Δ;Eff 61%*Vo Acc ±5%Δ;TC ±0.2%/°CΔ
68	PM832B	52	27	Y5211	MP668	Vi 28V;Vo 9.0V;Io 600mA;Reg Line ±0.2%Δ;Load ±0.4%Δ;Eff 61%*Vo Acc ±5%Δ;TC ±0.2%/°CΔ
69	PM833A	52	27	Y5211	MP667	Vi 28V;Vo 12V;Io 470mA;Reg Line ±0.2%Δ;Load ±0.4%Δ;Eff 61%*Vo Acc ±5%Δ;TC ±0.2%/°CΔ
70	PM833B	52	27	Y5211	MP668	Vi 28V;Vo 12V;Io 470mA;Reg Line ±0.2%Δ;Load ±0.4%Δ;Eff 61%*Vo Acc ±5%Δ;TC ±0.2%/°CΔ
71	PM834A	52	27	Y5211	MP667	Vi 28V;Vo 15V;Io 400mA;Reg Line ±0.2%Δ;Load ±0.4%Δ;Eff 61%*Vo Acc ±5%Δ;TC ±0.2%/°CΔ
72	PM834B	52	27	Y5211	MP668	Vi 28V;Vo 15V;Io 400mA;Reg Line ±0.2%Δ;Load ±0.4%Δ;Eff 61%*Vo Acc ±5%Δ;TC ±0.2%/°CΔ
73	PM841A	52	27	Y5212	MP667a	Vi 48VDC;Vo 5.0VDC;Io 1.0A;Ln/Ld Reg ±0.2%Δ/±0.4%Δ;Rpl 1.0mVRMSΔ;Eff 61%*
74	PM842	52	27	Y5212	MP666	Vi 48VDC;Vo 9.0VDC;Io 600mA;Ln/Ld Reg ±0.2%Δ/±0.4%Δ;Rpl 1.0mVRMSΔ;Eff 61%*
75	PM842A	52	27	Y5212	MP667a	Vi 48VDC;Vo 5.0VDC;Io 400mA;Ln/Ld Reg ±0.2%Δ/±0.4%Δ;Rpl 1.0mVRMSΔ;Eff 61%*
76	PM843A	52	27	Y5212	MP667a	Vi 48VDC;Vo 12VDC;Io 470mA;Ln/Ld Reg ±0.2%Δ/±0.4%Δ;Rpl 1.0mVRMSΔ;Eff 61%*
77	PM844A	52	27	Y5212	MP667a	Vi 48VDC;Vo 15VDC;Io 400mA;Ln/Ld Reg ±0.2%Δ/±0.4%Δ;Rpl 1.0mVRMSΔ;Eff 61%*
78	PM851A	52	27	Y5212	MP667a	Vi 5.0V;Vo ±12V;Io ±230mA;Reg Line ±0.2%Δ;Load ±0.2%Δ;Eff 62%*Vo Acc ±5%Δ;TC ±0.1%/°CΔ
79	PM851B	52	27	Y5212	MP668a	Vi 5.0V;Vo ±12V;Io ±230mA;Reg Line ±0.2%Δ;Load ±0.2%Δ;Eff 62%*Vo Acc ±5%Δ;TC ±0.1%/°CΔ
80	PM852A	52	27	Y5212	MP667a	Vi 5.0V;Vo ±15V;Io ±190mA;Reg Line ±0.2%Δ;Load ±0.2%Δ;Eff 62%*Vo Acc ±5%Δ;TC ±0.1%/°CΔ
81	PM852B	52	27	Y5212	MP668a	Vi 5.0V;Vo ±15V;Io ±190mA;Reg Line ±0.2%Δ;Load ±0.2%Δ;Eff 62%*Vo Acc ±5%Δ;TC ±0.1%/°CΔ
82	PM861A	52	27	Y5212	MP667a	Vi 12V;Vo ±12V;Io ±230mA;Reg Line ±0.2%Δ;Load ±0.2%Δ;Eff 62%*Vo Acc ±5%Δ;TC ±0.1%/°CΔ
83	PM861B	52	27	Y5212	MP668a	Vi 12V;Vo ±12V;Io ±230mA;Reg Line ±0.2%Δ;Load ±0.2%Δ;Eff 62%*Vo Acc ±5%Δ;TC ±0.1%/°CΔ
84	PM862A	52	27	Y5212	MP667a	Vi 12V;Vo ±15V;Io ±190mA;Reg Line ±0.2%Δ;Load ±0.2%Δ;Eff 62%*Vo Acc ±5%Δ;TC ±0.1%/°CΔ
85	PM862B	52	27	Y5212	MP668a	Vi 12V;Vo ±15V;Io ±190mA;Reg Line ±0.2%Δ;Load ±0.2%Δ;Eff 62%*Vo Acc ±5%Δ;TC ±0.1%/°CΔ
86	PM871A	52	27	Y5212	MP667a	Vi 24V;Vo ±12V;Io ±230mA;Reg Line ±0.2%Δ;Load ±0.2%Δ;Eff 62%*Vo Acc ±5%Δ;TC ±0.1%/°CΔ
87	PM871B	52	27	Y5212	MP668a	Vi 24V;Vo ±12V;Io ±230mA;Reg Line ±0.2%Δ;Load ±0.2%Δ;Eff 62%*Vo Acc ±5%Δ;TC ±0.1%/°CΔ
88	PM872A	52	27	Y5212	MP667a	Vi 24V;Vo ±15V;Io ±190mA;Reg Line ±0.2%Δ;Load ±0.2%Δ;Eff 62%*Vo Acc ±5%Δ;TC ±0.1%/°CΔ
89	PM872B	52	27	Y5212	MP668a	Vi 24V;Vo ±15V;Io ±190mA;Reg Line ±0.2%Δ;Load ±0.2%Δ;Eff 62%*Vo Acc ±5%Δ;TC ±0.1%/°CΔ
90	PM881A	52	27	Y5212	MP667a	Vi 28V;Vo ±12V;Io ±230mA;Reg Line ±0.2%Δ;Load ±0.2%Δ;Eff 62%*Vo Acc ±5%Δ;TC ±0.1%/°CΔ
91	PM881B	52	27	Y5212	MP668a	Vi 28V;Vo ±12V;Io ±230mA;Reg Line ±0.2%Δ;Load ±0.2%Δ;Eff 62%*Vo Acc ±5%Δ;TC ±0.1%/°CΔ
92	PM882A	52	27	Y5212	MP667a	Vi 28V;Vo ±15V;Io ±190mA;Reg Line ±0.2%Δ;Load ±0.2%Δ;Eff 62%*Vo Acc ±5%Δ;TC ±0.1%/°CΔ
93	PM882B	52	27	Y5212	MP668a	Vi 28V;Vo ±15V;Io ±190mA;Reg Line ±0.2%Δ;Load ±0.2%Δ;Eff 62%*Vo Acc ±5%Δ;TC ±0.1%/°CΔ
94	PM891A	52	27	Y5212	MP667a	Vi 48VDC;Vo ±12VDC;Io ±230mA;Ln/Ld Reg ±0.2%Δ/±0.2%Δ;Rpl 1.0mVRMSΔ;Eff 62%*
95	PM892A	52	27	Y5212	MP667	Vi 48VDC;Vo ±15VDC;Io ±190mA;Ln/Ld Reg ±0.2%Δ/±0.2%Δ;Rpl 1.0mVRMSΔ;Eff 62%*
96	PSR1	52	27	MP142	Po 150mW;Efficiency 70%;Ro 100Ω;Rpl 20mVppΔ.	
97	RP1862-3062	52	27	CN90	CRT PS;V ₁ 18 to 30V;Vo ±2000VDC; 6.3VAC;Io 2mADC;700mAAC.	
98	RP12-3/5	52	07	MP600	Pwr 6.7W; Vi 5.0V; Vo 12-3V; Eff 70%; TC ±3.0mV/°C; Outp Ripple 150mVp-p max,20Hz-20MHzBW	
99	RP12-9/5	52	07	MP600	Pwr 6.7W; Vi 5.0V; Vo 12-9V; Eff 70%; TC ±3.0mV/°C; Outp Ripple 150mVp-p max,20Hz-20MHzBW	
100	SH6-800P	52	27	MP517	HV Power Supply;Vo 800Vdc;Io 7.5mAΔ;Vi 24-32Vdc;Ii 1.0AΔ	
101	SH6-1500P	52	27	MP517	HV Power Supply;Vo 1500VdcΔ;Io 4.0mAΔ;Vi 24-32Vdc;Ii 1.0AΔ	
102	SH6-2500P	52	27	MP517	HV Power Supply;Vo 2500VdcΔ;Io 2.4mAΔ;Vi 24-32Vdc;Ii 1.0AΔ	
103	SSP1500	52	27	MP202	Vi 4.0 to 12V;Vo 500V - 1.5kV;tr 1.0ms;tf 7.0ms;Rpl 1.0%ppΔ.	

11. POWER SUPPLIES

IN ORDER OF (1) USE (2) TYPE No.

LINEAR

LINE No.	TYPE No.	U	T	C	O	E	D	P	DRAWINGS		GENERAL DESCRIPTION
									CKT.	OUT-LINE Δ=MO	
1	SW19-28-1.15.2	52	27							MP366	High Eff Switching;Vi 19-28V;Vo 15V;Io 2.0A;Eff 90%;Reg.Line .10%;Load .05%.
2	SW24-32-1.20.1	52	27							MP366	High Eff Switching;Vi 24-32V;Vo 20V;Io 1.0A;Eff 90%;Reg.Line .10%;Load .05%.
3	SW24-32-1.20.2	52	27							MP366	High Eff Switching;Vi 24-32V;Vo 20V;Io 2.0A;Eff 90%;Reg.Line .10%;Load .05%.
4	SW28-36-1.24.1	52	27							MP366	High Eff Switching;ΔVi 28-36V;Vo 24V;Io 1.0A;Eff 90%;Reg.Line .10%;Load .05%.
5	SW28-36-1.24.2	52	27							MP366	High Eff Switching;ΔVi 28-36V;Vo 24V;Io 2.0A;Eff 90%;Reg.Line .10%;Load .05%.
6	SW32-40-1.28.1	52	27							MP366	High Eff Switching;ΔVi 32-40V;Vo 28V;Io 1.0A;Eff 90%;Reg.Line .10%;Load .05%.
7	SW32-40-1.28.2	52	27							MP366	High Eff Switching;ΔVi 32-40V;Vo 28V;Io 2.0A;Eff 90%;Reg.Line .10%;Load .05%.
8	TD10-15	52								MP203	Vi 5.0 to 28V;Vo 20V;IS 3.0mA.
9	UPM6-150	52	07							MP435a	Vi 115VDC ±10V;Vo 6VDC;Io 150mA;TC .02%;Line and Load Reg 0.25%.
10	UPM9-100	52	07							MP435a	Vi 115VDC ±10V;Vo 9VDC;Io 100mA;TC .02%;Line and Load Reg 0.25%.
11	UPM12-100	52	07							MP435a	Vi 115VDC ±10V;Vo 12VDC;Io 100mA;TC .02%;Line and Load Reg 0.25%.
12	UPM12-250D28	52	27							MP436	Vi 28VDC;Vo 12VDC;Io 250mA;TC .02%/°C;Line and Load Reg .02%.
13	UPM12-250D5	52	27							MP436	Vi 5VDC;Vo 12VDC;Io 250mA;TC .02%/°C;Line and Load Reg .02%.
14	UPM12-420D28	52	27							MP649	Pwr 5.0W;Vi 5.0V;Vo 12V;Io 420mA;Line And Load Reg .02%;Eff 60%;TC .02%/°C
15	UPM12-420D5	52	27							MP649	Pwr 5.0W;Vi 5.0V;Vo 12V;Io 420mA;Line And Load Reg .02%;Eff 50%;TC .02%/°C
16	UPM12-840D28	52	27							MP649	Pwr 10W;Vi 5.0V;Vo 12V;Io 840mA;Line And Load Reg .02%;Eff 51%;TC .02%/°C
17	UPM12-840D5	52	27							MP649	Pwr 10W;Vi 5.0V;Vo 12V;Io 840mA;Line And Load Reg .02%;Eff 58%;TC .02%/°C
18	UPM15-100	52	07							MP435a	Vi 115VDC ±10V;Vo 15VDC;Io 100mA;TC .02%;Line and Load Reg 0.25%.
19	UPM24-125D12	52	27							MP436	Vi 12VDC;Vo 24VDC;Io 125mA;TC .02%/°C;Line and Load Reg .02%.
20	UPM24-125D5	52	27							MP436	Vi 5VDC;Vo 24VDC;Io 125mA;TC .02%/°C;Line and Load Reg .02%.
21	UPM24-210D12	52	27							MP436b	Pwr 5.0W;Vi 12V;Vo 24V;Io 210mA;Line And Load Reg .02%;Eff 55%;TC .02%/°C
22	UPM24-210D5	52	27							MP436b	Pwr 5.0W;Vi 5.0V;Vo 12V;Io 210mA;Line And Load Reg .02%;Eff 50%;TC .02%/°C
23	UPM24-420D12	52	27							MP649	Pwr 10W;Vi 12V;Vo 24V;Io 420mA;Line And Load Reg .02%;Eff 48%;TC .02%/°C
24	UPM24-420D5	52	27							MP649	Pwr 10W;Vi 5.0V;Vo 24V;Io 420mA;Line And Load Reg .02%;Eff 58%;TC .02%/°C
25	UPM28-250D12	52	27							MP278a	Vi 12VDC;Vo 28VDC;Io 25mA;TC .02%/°C;Line and Load Reg .02%.
26	UPM28-250D5	52	27							MP278a	Vi 5VDC;Vo 28VDC;Io 25mA;TC .02%/°C;Line and Load Reg .02%.
27	UPM28-100D12	52	27							MP436	Vi 12VDC;Vo 28VDC;Io 100mA;TC .02%/°C;Line and Load Reg .02%.
28	UPM28-100D5	52	27							MP436	Vi 5VDC;Vo 28VDC;Io 100mA;TC .02%/°C;Line and Load Reg .02%.
29	UPM28-180D12	52	27							MP436b	Pwr 5.0W;Vi 12V;Vo 28V;Io 180mA;Line And Load Reg .02%;Eff 55%;TC .02%/°C
30	UPM28-180D5	52	27							MP436b	Pwr 5.0W;Vi 5.0V;Vo 28V;Io 180mA;Line And Load Reg .02%;Eff 50%;TC .02%/°C
31	UPM28-360D12	52	27							MP649	Pwr 10W;Vi 12V;Vo 28V;Io 360mA;Line And Load Reg .02%;Eff 48%;TC .02%/°C
32	UPM28-360D5	52	27							MP649	Pwr 10W;Vi 5.0V;Vo 28V;Io 360mA;Line And Load Reg .02%;Eff 58%;TC .02%/°C
33	V5R3	52	07	Y5205						22-1	Vi 5.0V; Vo 3.0V;Outp Cur 90mAmax; Inp Cur 400mA max; TC ±3.0mV/°C; Line,Load Reg ±2%
34	V12A12-6	52	07	Y5207						22-1	Pwr 1.0W; Vi 12V; Vo 12-6V; Output Cur 80mA; max;Outp Ripple,Noise 50mVRMS,20Hz-20mHz BW
35	V12P12	52	07	Y5205						22-1	Pwr 1.0W; Vi 12V; Vo 12V; Output Cur 80mA; max;Outp Ripple,Noise 50mVRMS,20Hz-20mHz BW
36	V12P15	52	07	Y5205						22-1	Pwr 1.0W; Vi 12V; Vo 15V; Output Cur 70mA; max;Outp Ripple,Noise 50mVRMS,20Hz-20mHz BW
37	V12R3	52	07	Y5205						22-1	Vi 12V; Vo 3.0V;Outp Cur 90mAmax; Inp Cur 200mA max; TC ±3.0mV/°C; Line,Load Reg ±2%
38	VA12-6	52	07	Y5207						22-1	Pwr 1.0W; Vi 5.0V; Vo 13-6.8Vmax; Inp Cur 400mA max; Outp Res 28.10Ω max;TC 6.0,4.0mVDC/°C
39	VC-525-01	52								MP800	Vi 5.0Vdc ±5%;Vo 170 to 210Vdc;Load Current 0-15mA;I/O Isolation 600Vdc
40	VP12	52	07	Y5205						22-1	Pwr 1.0W; Vi 5.0V; Vo 12V; Output Cur 80mA max; Line Reg ±2%;isol 10MΩ,50V; Eff 50%min
41	VP15	52	07	Y5205						22-1	Pwr 1.0W; Vi 5.0V; Vo 15V; Output Cur 70mA max; Line Reg ±2%;isol 10MΩ,50V; Eff 50%min
42	Z15DZ30DL	52	27							MP306	Vi 5VDC;Vo ±15V;Io 30mA;Load Reg. 0.5%;Line Reg. 0.5%;Rpl 5mVrms.
43	Z15DZ30DP	52	27							MP306	Vi 5VDC;Vo ±15V;Io 30mA;Load Reg. 0.02%Δ;Line Reg. 0.02%Δ;Rpl 2mVrms.
44	Z15DZ30DU	52	27							MP306	Vi 5VDC;Vo ±15V;Io 30mA;Max error including Load Reg.and Tolerance ±10%Δ;Rpl 1%Δ.
45	Z15DZ65DL	52	27							MP306	Vi 5VDC;Vo ±15V;Io 65mA;Load Reg. 0.5%;Line Reg. 0.5%;Rpl 5mVrms.
46	Z15DZ65DP	52	27							MP306	Vi 5VDC;Vo ±15V;Io 65mA;Load Reg. 0.02%Δ;Line Reg. 0.02%Δ;Rpl 2mVrms.
47	Z15DZ65DU	52	27							MP306	Vi 5VDC;Vo ±15V;Io 65mA;Max error including Load Reg.and Tolerance ±10%Δ;Rpl 1%Δ.
48	Z15DZ100DL	52	27							MP306	Vi 5VDC;Vo ±15V;Io 100mA;Load Reg. 0.5%;Line Reg. 0.5%;Rpl 5mVrms.
49	Z15DZ100DP	52	27							MP306	Vi 5VDC;Vo ±15V;Io 100mA;Load Reg. 0.02%Δ;Line Reg. 0.02%Δ;Rpl 2mVrms.
50	Z15DZ100DU	52	27							MP306	Vi 5VDC;Vo ±15V;Io 100mA;Max error including Load Reg.and Tolerance ±10%Δ;Rpl 1%Δ.
51	Z15DZ100SL	52	27							MP306	Vi 5VDC;Vo ±15V;Io 100mA;Load Reg. 0.5%;Line Reg. 0.5%;Rpl 5mVrms.
52	Z15DZ100SU	52	27							MP306	Vi 5VDC;Vo ±15V;Io 100mA;Max error including Load Reg.and Tolerance ±10%Δ;Rpl 1%Δ.
53	Z15DZ200DL	52	27							MP306	Vi 5VDC;Vo ±15V;Io 200mA;Load Reg. 0.5%;Line Reg. 0.5%;Rpl 5mVrms.
54	Z15DZ200DU	52	27							MP306	Vi 5VDC;Vo ±15V;Io 200mA;Max error including Load Reg.and Tolerance ±10%Δ;Rpl 1%Δ.
55	Z15E240TL#1	52	27							MP306	Vi 12VDC;Vo ±15V;Io 40mA;Load Reg. 0.5%;Line Reg. 0.5%;Rpl 5mVrms.
56	Z15E240TL#2	52	27							MP306	Vi 12VDC;Vo 5V;Io 200mA;Load Reg. 0.5%;Line Reg. 0.5%;Rpl 5mVrms.
57	Z15F240TL#1	52	27							MP306	Vi 28VDC;Vo ±15V;Io 40mA;Load Reg. 0.5%;Line Reg. 0.5%;Rpl 5mVrms.
58	Z15F240TL#2	52	27							MP306	Vi 28VDC;Vo 5V;Io 200mA;Load Reg. 0.5%;Line Reg. 0.5%;Rpl 5mVrms.
59	Z200DZ20SU	52	27							MP306	Vi 5VDC;Vo 200V;Io 20mA;Max error including Load Reg.and Tolerance ±10%Δ;Rpl 1%Δ.

12. MISCELLANEOUS

IN ORDER OF (1) USE (2) TYPE No.

LINEAR

LINE No.	TYPE No.	USE	T O D E O D P E	DRAWINGS		GENERAL DESCRIPTION
				CKT.	OUT-LINE Δ=MO	
1	68	27	27	Z6845	BT3	Stereo Power Amplifier;Vcc 26V;Icc 50mAΔ;Pd 5.0WΔ;Dist 5.0%Δ at 2.0W Output
2	861BL	54	54			ΔVS 30V;Pd 300mWΔ;Ri 20Ω*;ΔVo 25V*
3	861CL	54	54			ΔVS 30V;Pd 300mWΔ;Ri 20Ω*;ΔVo 25V*
4	9665D	54	54	Z5430	16-3b	Hi Voltage Hi Current Darlington Drivers;7 NPN Dar Transistor Pairs;VCE 50V;IC 350mA
5	9665P	54	54	Z5430	16-2c	Hi Voltage Hi Current Darlington Drivers;7 NPN Dar Transistor Pairs;VCE 50V;IC 350mA
6	9666D	54	54	Z5430	16-3b	Hi Voltage Hi Current Darlington Drivers;7 NPN Dar Transistor Pairs;VCE 50V;IC 350mA
7	9666P	54	54	Z5430	16-2c	Hi Voltage Hi Current Darlington Drivers;7 NPN Dar Transistor Pairs;VCE 50V;IC 350mA
8	9667D	54	54	Z5430	16-3b	Hi Voltage Hi Current Darlington Drivers;7 NPN Dar Transistor Pairs;VCE 50V;IC 350mA
9	9667P	54	54	Z5430	16-2c	Hi Voltage Hi Current Darlington Drivers;7 NPN Dar Transistor Pairs;VCE 50V;IC 350mA
10#	AN903	54	27	Z302	TO116	6 Trans. 1 Diode Differential Amp.
11#	AN904	54	27	Z303	TO116	6 Trans Differential Amp.
12#	AN905	54	27	Z302	TO116	6 Trans. 1 Diode Differential Amp.
13	CA3018Δ	54	5C	Z5401	CN18	1 Darl;2TR;Veb 5.5V;BVBCBO 30V;BVCEO 24V;hFE 100*;ft 900MT.
14	CA3018Z	54	5C	Z5401	CN18	1 Darl;2TR;Veb 5.0VΔ;BVBCBO 20VΔ;BVCEO 15VΔ;IC 50mAΔ;Pd 300mWΔ;hFE 30*;ft 300MHz*
15	CA3018AΔ	54	5C	Z5401	CN18	1 Darl;2TR;Veb 5.5V;BVBCBO 30V;BVCEO 24V;hFE 100*;ft 900MT.
16	CA3018AΔ	54	5C	Z5401	CN18	1 Darl;2TR;Veb 5.0VΔ;BVBCBO 30VΔ;BVCEO 15VΔ;IC 50mAΔ;Pd 300mWΔ;hFE 60*;ft 300MHz*
17	CA3026Δ	54	5C	Z008b	Δ006AG	6TR;Veb 5.5V;BVBCBO 30V;BVCEO 24V;hFE 100*;ft 900MT.
18	CA3036	54	5C	Z5404	CN17h	2 Darl.pairs;VBE 5.0VΔ;BVBCBO 30VΔ;BVCEO 15VΔ;IC 50mAΔ;Pd 300mWΔ;hfe 82;ft 200MHz.
19	CA3045	54	5C	Z5405	14-1	5TR;VBE 5.0VΔ;BVBCBO 20VΔ;BVCEO 15VΔ;IC 50mAΔ;Pd 300mWΔ;hFE 40*;ICBO 40nAΔ.
20	CA3045F	54	5C	Z5405	Δ001AD	5TR;VBE 5.0VΔ;BVBCBO 20VΔ;BVCEO 15VΔ;IC 50mAΔ;Pd 300mWΔ;hFE 110*
21	CA3046	54	08	Z5405	TO116	5TR;VBE 5.0VΔ;BVBCBO 20VΔ;BVCEO 15VΔ;IC 50mAΔ;Pd 300mWΔ;hFE 40*;ICBO 40nAΔ.
22	CA3049Δ	54	5C	Z008b	Δ006AG	6TR;Veb 5.5V;BVBCBO 30V;BVCEO 24V;hFE 100*;ft 900MT.
23	CA3049Z*	54	5C	Z5403	CN18	6NPN TR;BVBCBO 20VΔ;BVCEO 15V;VBE 5.0V;IC 50mA;Pd 600mWΔ;ft 1.3GHz.
24	CA3083F	54	48	Z5410	Δ001AC	5 NPN Trans;Pd 750mW;BVBCBO 60V;BVCEO 24V;VBE 6.9V;hFE 76;IC 10mA
25	CA3086Δ	54	48	Z5405	TO116	5TR;Veb 5.5V;BVBCBO 30V;BVCEO 24V;hFE 100*;ft 900MT.
26	CA3086F	54	48	Z5411	Δ001AD	3 NPN Trans;Pd 750mW;BVBCBO 60V;BVCEO 24V;VBE 7.0V;hFE 100;IC 1.0mA
27	CA3095E	54	5C	Z5414	Δ001AC	Super Beta Array;VBCBO 6.0V;VBE 8.0V;hFE 5000;VBE 68V;ft 320MHz.
28	CA3095H	54	5C	Z5414	CHZ	Super Beta Array;VBCBO 6.0V;VBE 8.0V;hFE 5.0k;VBE 680mV;ft 320MHz
29	CA3724G	54	5C	Z5420	Δ001AB	NPN;Pd 2.0WΔ;IC 1.0Δ;VCEO 40VΔ;VBCBO 70VΔ;VBE 6.0VΔ;hFE 35*;IC 100mA;VCE 1.0V.
30	CA3725G	54	5C	Z5420	Δ001AB	NPN;Pd 2.0WΔ;IC 1.0Δ;VCEO 50VΔ;VBCBO 80VΔ;VBE 6.0VΔ;hFE 35*;IC 100mA;VCE 1.0V.
31#	L178	54	08	Z921	14-20h	5 NPN Darlington Pairs;VCE 36V;IC 500mA max;VCE(Sat) 1.3V typ at IC 350mA
32#	L204	54	08	Z920	16-1j	7 NPN Darlington Pairs;VCE 36V;IC 500mA max;VCE(Sat) 1.1V max at IC 100mA
33#	LA3018	54	5C	Z5401	CN18	1 Darl. 2TR;Veb 5.5V;BVBCBO 30V;BVCEO 24V;hFE 100*;ft 900MT.
34	LA3018A	54	5C	Z5401	CN18	1 Darl. 2TR;Veb 5.5V;BVBCBO 30V;BVCEO 24V;hFE 100*;ft 900MT.
35	LA3026	54	5C	Z008b	Δ006AG	6TR;Veb 5.5V;BVBCBO 30V;BVCEO 24V;hFE 100*;ft 900MT.
36	LA3045	54	5C	Z5405	14-1	5TR;Veb 5.5V;BVBCBO 30V;BVCEO 24V;hFE 100*;ft 900MT.
37	LA3046	54	08	Z5405	TO116	5TR;Veb 5.5V;BVBCBO 30V;BVCEO 24V;hFE 100*;ft 900MT.
38	LA3049	54	5C	Z008b	Δ006AG	6TR;Veb 5.5V;BVBCBO 30V;BVCEO 24V;hFE 100*;ft 900MT.
39	LA3086	54	48	Z5405	TO116	5TR;Veb 5.5V;BVBCBO 30V;BVCEO 24V;hFE 100*;ft 900MT.
40	LM3018AH	54	5C	Z5401	CN18d	4 Trans;2 Darl;BVBCBO 30VΔ;BVCEO 15VΔ;VBE 5.0VΔ;IC 50mA.
41	LM3018H	54	5C	Z5401	CN18d	4 Trans;2 Darl;BVBCBO 20VΔ;BVCEO 15VΔ;VBE 5.0VΔ;IC 50mA.
42	LM3045D	54	5C	Z5405	14-32	5 Trans;VBE 5.0VΔ;BVBCBO 20VΔ;BVCEO 15VΔ;hFE 100*;ft 300mt;Pd 750mW.
43	LM3118AH	54	5C	Z5455	CN18d	4 High Volt Trans;2 Darl;BVceo 40V*;BVcbo 50V*;VBebo 5.0V*;IC 50mAΔ;hFE 30*;Matched ±10%
44	LM3118H	54	5C	Z5455	CN18d	4 High Volt Trans;2 Darl;BVceo 30V*;BVcbo 40V*;VBebo 7.0V*;IC 50mAΔ;hFE 100*;Matched ±10%
45	LM3145AJ	54	5C	Z5427	14-20b	5 High Volt Trans;BVceo 40VΔ;BVcbo 50VΔ;VBebo 5.0VΔ;IC 50mAΔ;hFE 30*
46	LM3145J	54	5C	Z5427	14-20b	5 High Volt Trans;BVceo 30VΔ;BVcbo 40VΔ;VBebo 5.0VΔ;IC 50mAΔ;hFE 30*
47	LM3146AN	54	48	Z5427	14-4n	5 High Volt Trans;BVceo 40V*;BVcbo 50V*;VBebo 5.0V*;IC 50mAΔ;hFE 30*;VBE Matched ±5.0mV
48#	M5106Ps	54	27	C062	14T1	2Trn. and 1.0W Po Audio Power Amplifier.
49	JANM38510/10801AAA	54	5C	Z5444	FP24d	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;Darl VBE 1.5VΔ
50	JANM38510/10801AAB	54	5C	Z5444	FP24d	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;Darl VBE 1.5VΔ
51	JANM38510/10801AAC	54	5C	Z5444	FP24d	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;Darl VBE 1.5VΔ
52	JANM38510/10801ACA	54	5C	Z5444	FP24d	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;Darl VBE 1.5VΔ
53	JANM38510/10801ACB	54	5C	Z5444	14-19	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 400mWΔ;Darl VBE 1.5VΔ
54	JANM38510/10801ACC	54	5C	Z5444	14-19	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 400mWΔ;Darl VBE 1.5VΔ
55	JANM38510/10801ADA	54	5C	Z5444	14-19	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 400mWΔ;Darl VBE 1.5VΔ
56	JANM38510/10801ADB	54	5C	Z5444	FP25	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;Darl VBE 1.5VΔ
57	JANM38510/10801ADC	54	5C	Z5444	FP25	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;Darl VBE 1.5VΔ
58	JANM38510/10801AMA	54	5C	Z5443	FP25	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;Darl VBE 1.5VΔ
59	JANM38510/10801AMB	54	5C	Z5443	FP25	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;Darl VBE 1.5VΔ
60	JANM38510/10801AMC	54	5C	Z5443	FP25	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;Darl VBE 1.5VΔ
61	JANM38510/10801ABA	54	5C	Z5444	FP24d	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;Darl VBE 1.5VΔ
62	JANM38510/10801BAB	54	5C	Z5444	FP24d	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;Darl VBE 1.5VΔ
63	JANM38510/10801BAC	54	5C	Z5444	FP24d	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;Darl VBE 1.5VΔ
64	JANM38510/10801BACA	54	5C	Z5444	FP24d	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;Darl VBE 1.5VΔ
65	JANM38510/10801BCB	54	5C	Z5444	14-19	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 400mWΔ;Darl VBE 1.5VΔ
66	JANM38510/10801BCC	54	5C	Z5444	14-19	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 400mWΔ;Darl VBE 1.5VΔ
67	JANM38510/10801BCDA	54	5C	Z5444	FP25	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;Darl VBE 1.5VΔ
68	JANM38510/10801BCDB	54	5C	Z5444	FP25	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;Darl VBE 1.5VΔ
69	JANM38510/10801BCDC	54	5C	Z5444	FP25	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;Darl VBE 1.5VΔ
70	JANM38510/10801BMA	54	5C	Z5443	FP25	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;Darl VBE 1.5VΔ
71	JANM38510/10801BMB	54	5C	Z5443	FP25	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;Darl VBE 1.5VΔ
72	JANM38510/10801BMC	54	5C	Z5443	FP25	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;Darl VBE 1.5VΔ
73	JANM38510/10801BCAA	54	5C	Z5444	FP24d	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;Darl VBE 1.5VΔ
74	JANM38510/10801BCAB	54	5C	Z5444	FP24d	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;Darl VBE 1.5VΔ
75	JANM38510/10801BCAC	54	5C	Z5444	FP24d	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;Darl VBE 1.5VΔ
76	JANM38510/10801BCCA	54	5C	Z5444	14-19	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 400mWΔ;Darl VBE 1.5VΔ
77	JANM38510/10801BCCB	54	5C	Z5444	14-19	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 400mWΔ;Darl VBE 1.5VΔ
78	JANM38510/10801CACC	54	5C	Z5444	14-19	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 400mWΔ;Darl VBE 1.5VΔ
79	JANM38510/10801CADA	54	5C	Z5444	FP25	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;Darl VBE 1.5VΔ

12. MISCELLANEOUS

IN ORDER OF (1) USE (2) TYPE No.

LINEAR

LINE No.	TYPE No.	U S E	T C O M P E	D E L	DRAWINGS		GENERAL DESCRIPTION
					CKT.	OUT- LINE Δ=MO	
1	JANM38510/10801CDB	54	5C	25444	FP25		2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;Darl VBE 1.5VΔ
2	JANM38510/10801CDC	54	5C	25444	FP25		2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;Darl VBE 1.5VΔ
3	JANM38510/10801CMA	54	5C	25443	CN18d		2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;Darl VBE 1.5VΔ
4	JANM38510/10801CMB	54	5C	25443	CN18d		2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;Darl VBE 1.5VΔ
5	JANM38510/10801CMC	54	5C	25443	CN18d		2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;Darl VBE 1.5VΔ
6	JANM38510/10802AAA	54	5C	25434	FP24d		3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;VBEQ1/2 2mVΔ
7	JANM38510/10802AAB	54	5C	25434	FP24d		3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;VBEQ1/2 2mVΔ
8	JANM38510/10802AAC	54	5C	25434	FP24d		3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;VBEQ1/2 2mVΔ
9	JANM38510/10802ACA	54	5C	25434	FP24d		3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;VBEQ1/2 2mVΔ
10	JANM38510/10802ACB	54	5C	25434	14-19		3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 400mWΔ;VBEQ1/2 2mVΔ
11	JANM38510/10802ACC	54	5C	25434	14-19		3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 400mWΔ;VBEQ1/2 2mVΔ
12	JANM38510/10802ADA	54	5C	25434	14-19		3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 400mWΔ;VBEQ1/2 2mVΔ
13	JANM38510/10802ADB	54	5C	25434	FP25		3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;VBEQ1/2 2mVΔ
14	JANM38510/10802ADC	54	5C	25434	FP25		3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;VBEQ1/2 2mVΔ
15	JANM38510/10802BAA	54	5C	25434	FP25		3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;VBEQ1/2 2mVΔ
16	JANM38510/10802BAB	54	5C	25434	FP24d		3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;VBEQ1/2 2mVΔ
17	JANM38510/10802BAC	54	5C	25434	FP24d		3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;VBEQ1/2 2mVΔ
18	JANM38510/10802BDA	54	5C	25434	FP24d		3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;VBEQ1/2 2mVΔ
19	JANM38510/10802BDB	54	5C	25434	FP25		3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;VBEQ1/2 2mVΔ
20	JANM38510/10802BDC	54	5C	25434	FP25		3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;VBEQ1/2 2mVΔ
21	JANM38510/10802CAA	54	5C	25434	FP24d		3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;VBEQ1/2 2mVΔ
22	JANM38510/10802CAB	54	5C	25434	FP24d		3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;VBEQ1/2 2mVΔ
23	JANM38510/10802CAC	54	5C	25434	FP24d		3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;VBEQ1/2 2mVΔ
24	JANM38510/10802CDA	54	5C	25434	FP24d		3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;VBEQ1/2 2mVΔ
25	JANM38510/10802CDB	54	5C	25434	FP25		3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;VBEQ1/2 2mVΔ
26	JANM38510/10802CDC	54	5C	25434	FP25		3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;VBEQ1/2 2mVΔ
27	MFE5000	54	5C	25434	FP25		3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO 15VΔ;Pd 350mWΔ;VBEQ1/2 2mVΔ
28	MN205	54	6H	2312	MP354		Silicon P-Channel Enhancement MOS Field Effect Quad Transistor;Pd 450mW.
29	MN206	54	5C		FP6g		Quad NPN Transistors;Pt 500mW;BVCEO 60Vmin;tr 50 nsec max;tr 90 nsec max.
30	MRD8039T	54	4B	2139	FP17		Monolithic Photo-Transistor Array;Vce breakdown 30Vt;Pd 200mW.
31	SG1831J	54	5C		TO118		2NPN;hFE 2000;BVCEO 2.0V;VCC 40V;hFE 100.
32	SG1832J	54	5C		TO118		2PNP;hFE 2000;BVCEO 2.0V;VCC 40V;hFE 100.
33	SG2831J	54	5C		TO118		2NPN;hFE 2000;BVCEO 2.0V;VCC 40V;hFE 100.
34	SG2832J	54	5C		TO118		2PNP;hFE 2000;BVCEO 2.0V;VCC 40V;hFE 100.
35	SG3831J	54	5C		TO118		2NPN;hFE 1000;BVCEO 4.0V;VCC 40V;hFE 100.
36	SG3832J	54	5C		TO118		2 PNP;hFE 1000;BVCEO 2.0V;VCE 40V;hFE 100.
37	SI3045AK	54	5C	25405	Δ001AD		5TR;VBE0 5.0VΔ;BVCEO 20VΔ;BVCEO 15VΔ;Ic 50mAΔ;Pd 300mWΔ;hFE 110f;ft 300MHz*.
38	SI3046CJ	54	08	25405	Δ001AD		5TR;VBE0 5.5VΔ;BVCEO 20VΔ;BVCEO 15VΔ;Ic 50mAΔ;Pd 300mWΔ;hFE 110f;ft 300MHz*.
39#	SL3146ADG	54	5C	25411	14-20		High Voltage Trans Array;BVCEO 50V*;VBE0 5.0V*;hFE 30*;NF 3.25dB;ft 300MHz*
40#	SL3146ADP	54	4B	25411	14-4p		High Voltage Trans Array;BVCEO 50V*;VBE0 5.0V*;hFE 30*;NF 3.25dB;ft 300MHz*
41#	SL3146DG	54	5C	25411	14-20		High Voltage Trans Array;BVCEO 40V*;VBE0 5.0V*;hFE 30*;NF 3.25dB;ft 300MHz*
42#	SL3146DP	54	4B	25411	14-4p		High Voltage Trans Array;BVCEO 40V*;VBE0 5.0V*;hFE 30*;NF 3.25dB;ft 300MHz*
43#	SL3183ADG	54	5C	25410	16-3g		High Voltage Trans Array;BVCEO 50V*;VBE0 5.0V*;hFE 40*;Pd 750mW;VCE(Sat)3.0VΔ
44#	SL3183ADP	54	4B	25410	16-1c		High Voltage Trans Array;BVCEO 50V*;VBE0 5.0V*;hFE 40*;Pd 750mW;VCE(Sat)3.0VΔ
45#	SL3183DG	54	5C	25410	16-3g		High Voltage Trans Array;BVCEO 40V*;VBE0 5.0V*;hFE 40*;Pd 750mW;VCE(Sat)3.0VΔ
46#	SL3183DP	54	4B	25410	16-1c		High Voltage Trans Array;BVCEO 40V*;VBE0 5.0V*;hFE 40*;Pd 750mW;VCE(Sat)3.0VΔ
47	TAA530	54	08	2022	CN27		4 trn;Pt 50mW;Vds-25V max;Vsb-25V max;Rgs-10TΩ;IA-2mA.
48#	TBA331	54	08	25405	TO118		5trn;VEB 5.0VΔ;VCEO 20VΔ;VCEO 15VΔ;Ic 50mAΔ;Pd 300mWΔ;hFE 100;FT 300MHz.
49#	TBA470A	54	18	2150	TO118		Pt 250mW;VCE Sat 400mV max;Ic 25mA;Ib 25mA;VCEO 22V;ICEO 100mA max.
50#	TBA470B	54	18	2150	TO118		Pt 250mW;VCE Sat 400mV max;Ic 25mA;Ib 25mA;VCEO 22V;ICEO 100mA max.
51#	TBA770	54	16	2343	TO100		3trn;VEB 5.0VΔ;VCEO 35VΔ;VCEO 16VΔ;Ic 50mAΔ;Pd 300mWΔ;hFE 100;FT 300MHz.
52#	TDA0470	54	16	2343	TO118		Linear operating gate for replacing up to (12) key-contacts per key in electronic organs.
53#	TDA0470D	54	08	25462	14-4d		Quasi Organ Gate;Pd 250mW;hFE 40 min;VCEsat 400mVΔ;IcES 30mAΔ;VEB 750V
54#	TDA1420	54	06				Low Noise NPN
55#	TDA3320	54					Low Noise NPN
56	UA3018AHM	54	5C	25401	CN18d		NPN;Pd 450mWΔ;VCEO 15V*;VCEO 20V*;VBE0 5.0V*;Ic 50mAΔ;hFE 30*;ft 500MHz†
57	UA3018HM	54	5C	25401	CN18d		NPN;Pd 450mWΔ;VCEO 15V*;VCEO 20V*;VBE0 5.0V*;Ic 50mAΔ;hFE 30*;ft 500MHz†
58	UA3026HM	54	09	25441	CN18d		NPN;Pd 750mWΔ;VCEO 15V*;VCEO 20V*;VBE0 5.0V*;Ic 50mAΔ;Av 2-Stage 60dB†;ft 550MHz†
59	UA3038HM	54	5C	25404	TO100		NPN;Pd 300mWΔ;VCEO 15V*;VCEO 30V*;VBE0 5.0V*;Ic 50mAΔ;hFE(D)1.0k*;ft 150MHz*
60	VA3018	54	5C	25401	CN18		1 Darl 2 Tran;Veb 5VΔ;BVCEO 20VΔ;BVCEO 15VΔ;Ic 50mAΔ;Pd 300mWΔ;hFE 30*;ft 300MHz*.
61	VA3018A	54	5C	25401	CN18		1 Darl 2 Tran;Veb 5VΔ;BVCEO 30VΔ;BVCEO 15VΔ;Ic 50mAΔ;Pd 300mWΔ;hFE 80*;ft 300MHz*.
62	VA3038	54	5C	25404	CN10d		2 Darl prs;Veb 5VΔ;BVCEO 30VΔ;BVCEO 15VΔ;Ic 50mAΔ;Pd 300mWΔ;hFE 82†;ft 150MHz†.
63	VA3045	54	5C	25405	14-1		5 Tran;Veb 5VΔ;BVCEO 20VΔ;BVCEO 15VΔ;Ic 50mAΔ;Pd 300mWΔ;hFE 110†;ft 300MHz†.
64	VA3049	54	5C	25403	CN18		6NPN Trans;BVCEO 20V;BVCEO 15V;VBE0 5.0V;Ic 50mA;Pd 600mWΔ;ft 1.3GHz.
65	LM103-1.8	55	5C	Z005	CN25		Vref 1.8Vt;Zdyn 60ΩΔ;Pd 25WΔ;Tc 3.3mV/°C†.
66	LM103-2.0	55	5C	Z005	CN25		Vref 2.0Vt;Zdyn 60ΩΔ;Pd 25WΔ;Tc 3.3mV/°C†.
67	LM103-2.2	55	5C	Z005	CN25		Vref 2.2Vt;Zdyn 60ΩΔ;Pd 25WΔ;Tc 3.3mV/°C†.
68	LM103-2.4	55	5C	Z005	CN25		Vref 2.4Vt;Zdyn 60ΩΔ;Pd 25WΔ;Tc 3.3mV/°C†.
69	LM103-2.7	55	5C	Z005	CN25		Vref 2.7Vt;Zdyn 60ΩΔ;Pd 25WΔ;Tc 3.3mV/°C†.
70	LM103-3.0	55	5C	Z005	CN25		Vref 3.0Vt;Zdyn 60ΩΔ;Pd 25WΔ;Tc 3.3mV/°C†.
71	LM103-3.3	55	5C	Z005	CN25		Vref 3.3Vt;Zdyn 60ΩΔ;Pd 25WΔ;Tc 3.3mV/°C†.
72	LM103-3.6	55	5C	Z005	CN25		Vref 3.6Vt;Zdyn 60ΩΔ;Pd 25WΔ;Tc 3.3mV/°C†.
73	LM103-3.9	55	5C	Z005	CN25		Vref 3.9Vt;Zdyn 60ΩΔ;Pd 25WΔ;Tc 3.3mV/°C†.
74	LM103-4.3	55	5C	Z005	CN25		Vref 4.3Vt;Zdyn 60ΩΔ;Pd 25WΔ;Tc 3.3mV/°C†.
75	LM103-4.7	55	5C	Z005	CN25		Vref 4.7Vt;Zdyn 60ΩΔ;Pd 25WΔ;Tc 3.3mV/°C†.
76	LM103-5.1	55	5C	Z005	CN25		Vref 5.1Vt;Zdyn 60ΩΔ;Pd 25WΔ;Tc 3.3mV/°C†.
77	LM103-5.6	55	5C	Z005	CN25		Vref 5.6Vt;Zdyn 60ΩΔ;Pd 25WΔ;Tc 3.3mV/°C†.
78	PPL1P	55	5C		CB1		BVcbo 40VΔ; BVebo 5VΔ; Ic 1.0mA†; BVceo 40VΔ; Pd 300mWΔ.
79#	SFC2001	56	07	Z5801	TO100		BVcbo 10VΔ; BVebo 5.0VΔ; Ic 10mAΔ; Pd 100mWΔ; FT 100MHz†.
80#	TAA101	56	07	Z5801	TO74		Pd 100mWΔ; BVCEO 10VΔ; VBE0 5.0V; Ic 10mA; hFE 75†.
81	TAB101	56	07	Z5801	TO74		Ring 4 trans. modulator/demodulator circuit; Vobo-10V; Vcs-12; Ic-10mA; Pt-100mW.
82#	TBA973	56	2C	Z5802	CN27a		Ring 4-Trans Modulation/Demodulation; VBE0 6.2VΔ; Ic 20mAΔ; Pt 200mWΔ.
83	751N	57	28	Z5701	MP67		BVCEO 40VΔ; VBE0 4VΔ; BVCEO 25VΔ; Ic 10AΔ; Pd 3WΔ; hFE 100* at Ic 10uA.
84	751P	57	28	Z5701	MP67		BVCEO 40VΔ; VBE0 5VΔ; BVCEO 40VΔ; Ic 50mAΔ; Pd 5WΔ; hFE 100* at Ic 10uA.

12. MISCELLANEOUS

IN ORDER OF (1) USE (2) TYPE No.

LINE No.	TYPE No.	U S E	T E M P E	DRAWINGS		GENERAL DESCRIPTION
				CKT.	OUT-LINE Δ=MO	
1	2255A	57	56			BiPolar:TC ±0.1% FS/°C;ΔVo 1.0V/Decade
2	2417	57	56			Dio 6;Acc ±3.0% max;Dynamic Range 120dB.
3	2421	57	56			Dio 4;BW 3dB 10MHz;ΔVo 60mV/Decade.
4	2523	57	27		MP7	14 Dio;Acc. 3%Δ;Dynamic Range 100dB;BW 100kHz.
5	2532	57	27		MP7	Wide Band Cascadable Amp;Dynamic Range 20dB;BW 10MHz;Pd 570mW.
6#	M5121P	57	27	Z065	14T1	FM Multiplex Stereo Demodulator;ΔVs 17VΔ;Pd 360mW;THD 1.0%Δ;Zin 20kΩt.
7	PL1N	57	57		MP6j	BVcbo 40VΔ;BVcbo5VΔ;Ic1.0mA;BVceo40VΔ;Pd300mWΔ.
8	PL1P	57	57		MP6j	BVcbo 40VΔ;BVcbo5VΔ;Ic1.0mA;BVceo40VΔ;Pd300mWΔ.
9	PL1N	57	57		CB1	BVcbo 40VΔ;BVcbo5VΔ;Ic1.0mA;BVceo40VΔ;Pd300mWΔ.
10	CA3039	58	5C	Z5802	CN18	6 Dio;PIV 5.0VΔ;IF 25mAΔ;VF 90VΔ;IR 10uAΔ;trr 1.0nst;Cd .65pff;Pd 100mWΔ.
11	MIC726-1	58	5C	Z5801	TO96	BVebo5.0VΔ;BVcbo40VΔ;BVceo30VΔ;Ic5.0mAΔ;Pd 180mWt;hFE 1.5*atlc 10mA;Vce5.0V.
12	MIC726-5	58	5C	Z5801	TO96	BVebo5.0VΔ;BVcbo40VΔ;BVceo30VΔ;Ic5.0mAΔ;Pd 180mWt;hFE 1.5*atlc 10mA;Vce5.0V.
13	VA3039	58	5C	Z5802	CN18	6 Diodes;PIV 5.0VΔ;IF 25mAΔ;VF 90VΔ;IR 10uAΔ;trr 1.0nst;Cd .65pff;Pd 100mWΔ.
14	4JD13V3	59	1C	F045	TO98	Shunt voltage regulating element;Cd 10pF max;Pd 400mW.
15	2209	59	28		MP113	Comparator;Two Outputs switch at Vin equal 0 and equal level input Voltages.
16	826V14	59	5C		MP34f	Threshold Volt 14V;TC ±0.5%/°C;Response Time 500ns;Fall Time 5.0us.
17	826V18	59	5C		MP34f	Threshold Volt 18V;TC ±0.5%/°C;Response Time 500ns;Fall Time 5.0us.
18	826V30	59	5C		MP34f	Threshold Volt 30V;TC ±0.5%/°C;Response Time 500ns;Fall Time 5.0us.
19	826V40	59	5C		MP34f	Threshold Volt 40V;TC ±0.5%/°C;Response Time 500ns;Fall Time 5.0us.
20	827V5	59	5C		MP34f	Threshold Volt 5.0V;TC ±0.5%/°C;Response Time 500ns;Fall Time 5.0us.
21	827V6	59	5C		MP34f	Threshold Volt 6.0V;TC ±0.5%/°C;Response Time 500ns;Fall Time 5.0us.
22	827V7	59	5C		MP34f	Threshold Volt 7.0V;TC ±0.5%/°C;Response Time 500ns;Fall Time 5.0us.
23	827V8	59	5C		MP34f	Threshold Volt 8.0V;TC ±0.5%/°C;Response Time 500ns;Fall Time 5.0us.
24	868	59	5C		MP156	Current Regulators;Io 1.0-400mA;Vo 5.0-42V;Pd 1.6WΔ;Line Reg ±0.1% Load ±0.01%.
25	878	59	5C		MP156	Current Regulators;Io 1.0-400mA;Vo 5.0-42V;Pd 1.6WΔ;Line Reg ±0.1% Load ±0.01%.
26	1391	59	05		MP193	Charge Pre-amplifier;Freq 20kHzΔ;Acc. ±1.0%;No 25uV;Harm.Dist. .50%Δ.
27	1392	59	05		MP193a	Charge Pre-amplifier;Freq 20kHzΔ;Acc. ±2.0%;No 200uV;Harm.Dist. .50%Δ.
28	1395	59	58		MP193b	Charge Pre-amplifier;Freq 20kHzΔ;Acc. ±1.0%;No 25uV;Harm.Dist. .50%Δ.
29	1396	59	58		MP193c	Charge Pre-amplifier;Freq 20kHzΔ;Acc. ±2.0%;No 200uV;Harm.Dist. .50%Δ.
30	1474	59	58		MP193d	Charge-Velocity Converters;Freq 20kHzΔ;Acc. ±1.0%;No ±600uV;Dist. .50%Δ.
31	1475	59	58		MP193d	Charge-Velocity Converters;Freq 20kHzΔ;Acc. ±1.0%;No ±10mV;Dist. .50%Δ.
32	1476	59	58		MP193d	Charge-Velocity Converters;Freq 20kHzΔ;Acc. ±1.0%;No ±3.0mV;Dist. .50%Δ.
33	3350	59	58		MP193d	Charge-Velocity Converters;Freq 20kHzΔ;Acc. ±1.0%;No ±3.0mV;Dist. .50%Δ.
34	3351	59	58		MP193d	Charge-Velocity Converters;Freq 20kHzΔ;Acc. ±1.0%;No ±3.0mV;Dist. .50%Δ.
35	4022-25	59	28		MP457a	Analog/Dig Noise Gen;VS ±15V;Pd 195mW;Analog Output ±10V*;Dig Output To 10V
36	4022-25	59	28		MP290g	Window Comparator;Vi 30VΔ;Zi 10kΩ;Acc ±0.1%;VS ±15Vdc;IS plus 25mA;10mA.
37	4129	59	28		MP2	Window Comparator;Vi 30VΔ;Zi 10kΩ;Acc ±0.2%;VS ±15Vdc;IS plus 25-10mA.
38	4850	59	08	Z910	MP300	RMS-TO-DC Converter;Vs ±15Vdc;Pd 90mW;Vc 20Vdc;Io 10mA;Vi 20Vdc.
39	9008	59	57		MP692	3 Mode Integrator/Track-Hold/Elect Switch;Vs ±15V;Is ±70mA;Acc ±1%;Vi ±10V;Out ±10V,±20mA
40	9018	59	57		MP209	3 Mode Analog Integrator.
41	9028	59	57	Z5961	MP457a	Analog, Three-Mode Integrator;VS ±15V;Pd 330mWΔ;Vin ±10V FS;Vout ±10V
42	9432A	59	59		MP5ct	Quintuple Op Amp Array;Power Supply 30mA max at 30V.
43	9892-25	59	05		MP2p	Adaptive Comp;Input signal ±10V;Zi 2kΩ;Acc ±0.25%;VS ±15Vdc;ID ±25mA.
44#	AN155	59	05	Z173	CN28	Voltage stabilizer for capacitance diodes in TV tuners;Vs 32V;Is 5.0mA
45#	AN208	59	27		TO116	Protect Circuit for Battery (Pt. 300mW;Ioff 4mA max.)
46#	AN241	59	27	Z5903	TO116	IF Amp-Limiter;FM detector;Electronic Attenuator;Audio Driver;Ro 270Ω;Ri 50kΩ;Pd 370mWt
47#	AN603	59	38	Z5947	TO116	Tachometer For Mobile;Vs 13V;Pd 370mW;Vo 2.2mV*
48#	AN603N	59	38	Z5988B		Tachometer For Cars;VCC 18V, ICC 120mA, Pd 425mW
49#	AN607	59	16	Z5991	TO72	Video Amplifier;Vcc 12V;Pd 160mW
50#	AN608	59	16	Z5992	TO72	Video Amplifier;Vcc 12V;Pd 160mW
51#	AN915	59	26	Z247	TO116	General purpose differential amplifier (Pt 445mW).
52	BHR0001	59	3A	Z130	MP73a	Thick Film Automotive Alternator Regulator
53	BN40045	59	3C	F057	CN32	DC Shunt Regulator Module;Nominal Vo 6.0V;Pd 25WΔ;Ro 250mΩΔ.
54	BN40055	59	3C	F057	CN32	DC Shunt Regulator Module;Nominal Vo 9.0V;Pd 25WΔ;Ro 250mΩΔ.
55	BN40065	59	3C	F057	CN32	DC Shunt Regulator Module;Nominal Vo 12V;Pd 25WΔ;Ro 250mΩΔ.
56	BN40095	59	3C	F057	CN32	DC Shunt Regulator Module;Nominal Vo 5.0V;Pd 25WΔ;Ro 250mΩΔ.
57	CA30435	59	5C	C026	CN108	High-Gain IF Amp/Limiter/FM Detector/AM Preamp/Driver for FM up to 20MHz.
58	CA30445	59	5C	D017	CN108	Wide-Band Amp/Phase Detector with Zener Diode Voltage Regulator/for AFC Systems.
59	CA3065	59	48	Z5903	14-6	IF Amp-Limiter;FM detector;Electronic Attenuator;Audio Driver;Ro 270Ω;Ri 70kΩ.
60	CA3065D	59	48	Z5903	TO116	IF Amp-Limiter;FM Detector, Electronic Attenuator, Audio Driver;Ro 270Ω;Ri 70kΩ.
61	CA3065E	59	48	Z5903	16-8f	IF Amp-Limiter;FM Detector, Electronic Attenuator, Audio Driver;Ro 270Ω;Ri 70kΩ.
62	D555CJ	59	59		TO116	Dual Timer;ΔVs 18V;Pd 530mWΔ;ΔVi 4.5V*;ΔVo 16V*.
63#	FSS2045	59	59		MP82	Thermocouple/Chopper Amp;Vs 12VΔ;Io 1.0mA Closed loop Gain-14 to 80DB
64	GEL1496	59	08	Z7105	TO100	Balanced Modulator-Demodulator;ΔVS 205;Pd 33mWt;Vo 8.0Vt.
65	GEL1596	59	5C	Z7105	TO100	Balanced Modulator-Demodulator;ΔVS 205;Pd 33mWt;Vo 8.0Vt.
66	GEL2111AL1	59	08	Z6901	14-6a	FM detector and limiter;Pd 800mWΔ;VS 15VΔ;Freq. 5.0k to 50MHz;IS 22mA.
67	GEL2111F1	59	08	Z6901	TO116	FM detector and limiter;Pd 800mWΔ;VS 15VΔ;Freq. 5.0k to 50MHz;IS 22mA.
68	GEL2113AL1	59	08	Z6901	14-6a	FM detector and limiter;Pd 800mWΔ;VS 14VΔ;IS 19mAΔ;Freq. 5.0k to 50MHz.
69	GEL2113F1	59	08	Z6901	TO116	FM detector and limiter;Pd 800mWΔ;VS 14VΔ;IS 19mAΔ;Freq. 5.0k to 50MHz.
70	GEL2117AL1	59	08	Z101	14-6a	FM detector/limiter and preamplifier;Pd 800mW;VS 15VΔ;IS 40mAΔ;Gain to 30MHz.
71	GEL2117F1	59	08	Z101	TO116	FM detector/limiter and preamplifier;Pd 800mW;VS 15VΔ;IS 40mAΔ;gain to 30MHz.
72#	HA12414	59	26	Z5981	16-48	IC for FM/AM IF System Developed for Radios and Modular Stereos
73	HAD130	59	28		CN29	Op. Amp/Photodiode;ΔVs 21V;Open Loop Gain-66db;Slew Rate-400mV/usec;Sens.-500nA/uW
74	LA103	59	5C	Z005	CN25	Regulator Diode;Pd250mW;IR20mA;IF100mA;BV available 2.4 to 5.6V.
75	LA103H	59	5C	Z005	CN25	Regulator Diode;Pd 250mW;IR20uA;IF100mA;BV available 2.4V to 5.6V.
76	LA170	59	5C	C004	TO74	AGC/Squelch Amp;VS24V;GV37db*;Vi± 19V;Bias Current10uAΔ.
77	LA270	59	27	C004	TO74	AGC/Squelch Amp;VS24V;GV37db*;Vi± 19V;Bias Current10uAΔ.
78	LA370	59	07	C004	TO74	AGC/Squelch Amp;VS24V;GV37db*;Vi± 19V;Bias Current12uAΔ.
79#	LA2210	59	16	Z5913	22-4	Traffic Decoder;ARI System DK Type.All Functions Up to SDK System Available Using LA2200
80#	LC4207	59	37		4Z2	ELECTRONIC TUNING SYS CONTROL;SL(Sq) Synthesizer Sys for FM/AM (MW,LW) Radio;VDD 10VΔ
81	LM566CH	59	07	Z5936	CN1d	Voltage Controlled Oscillator;Max Oper.Freq. 1.0MHz;VS 26V.
82	LM566H	59	5C	Z5936	CN1d	Voltage Controlled Oscillator;Max Oper.Freq. 1.0MHz;VS 26V.
83	LM1524J	59	5C	Z5919	16-3a	Regulating Pulse Width Generator;Vin 20V;Vo 5V;Freq 350kHz;Error Amp Gain 72dB*
84	LM1812N	59	07	Z598X	18-3	ULTRASONIC TRANSCIEVER;Vs 12VBATT;Pd 700mW Absolute Max;Sensitivity 600uVp-p Max
85	LM1830H	59	48	Z5921	CN10r	Fluid Detector;Vcc 16V;Osc Freq 12kHzΔ;Det Threshold Voltage 680mVt
86	LM1841N	59	28	Z5934	14-4n	FM Detector and Limiter;VS 20V;Pd 850mW;Is max 22mA;VO 7.8Vt.
87	LM2111N01	59	08	Z5904	14-22a	FM Detector and Limiter;VS 15V;Pd 850mW;IS 22mA.
88	LM2111N	59	08	Z5904	14-4n	FM Detector and Limiter;VS 15V;Pd 850mW;IS 22mA.
89	LM2113N01	59	08	Z5904	14-22a	FM Detector and Limiter;VS 14V;Pd 850mW;IS 22mA.
90	LM2113N	59	08	Z5904	14-4n	FM Detector and Limiter;VS 14V;Pd 850mW;IS 22mA.
91	LM2524J	59	07	Z5919	16-3a	Regulating Pulse Width Generator;Vin 20V;Vo 5V;Freq 350kHz;Error Amp Gain 72dB*
92	LM2524N	59	07	Z5919	16-13c	Regulating Pulse Width Generator;Vin 20V;Vo 5V;Freq 350kHz;Error Amp Gain 72dB*
93	LM3911H05	59	28	Z5974	CN64a	Temperature Controller;Sensor;Voltage Ref.Op Amp;VS 10mAΔ;Collector Vo 36VΔ
94	LM3911H46	59	28	Z5974	CN64	Temperature Controller;Sensor;Voltage Ref.Op Amp;VS 10mAΔ;Collector Vo 36VΔ
95	LN135AH	59	5E	Z598N	TO46	PRECISION TEMPERATURE SENSORS;Temp Acc:Oper Vo 2.99VΔ;Uncalib. Temp Error .5°C at TC 25°C
96	LN135H	59	5E	Z598N	TO46	PRECISION TEMPERATURE SENSORS;Temp Acc:Oper Vo 3.01VΔ;Uncalib. Temp Error 1°C at TC 25°C
97	LN235H	59	4C	Z598N	TO46	PRECISION TEMPERATURE SENSORS;Temp Acc:Oper Vo 3.01Vt;Uncalib. Temp Error 1°C at TC 25°C
98	LX5600AH	59	5C	Z5923	CN80	Temperature Transducer;Vref 6.8V;Vo 2.98 With Error ±40mV;RMS Noise 30uVt
99	LX5600H	59	5C	Z5923	CN80	Temperature Transducer;Vref 6.8V;Vo 2.98 With Error ±80mV;RMS Noise 30uVt
100	LX5700AH	59	5C	Z5923	CN81	Temperature Transducer;Vref 6.8V;Vo 2.98 With Error ±40mV;RMS Noise 30uVt
101	LX5700H	59	5C	Z5923	CN81	Temperature Transducer;Vref 6.8V;Vo 2.98 With Error ±80mV;RMS Noise 30uVt
102#	LZ90B	59	59	Z598V	16-16b	TACHOMETER CONVERTER;Tacho Voltage,Reference Voltage and Position Pulse Generators
103#	M5103P	59	1A	Z014	MP56	AM Radio Receivers;Vs 7.5V;Pd300mW.
104#	M5105P	59	25	Z015	14-2g	FM/AM IF Amplifiers and AF Driver;Vs10V;Pd250mW.
105#	M5181P	59	27	Z185	14T3	Chroma Band-Pass Amp/ACC Amp;VS 12V;Pd 380mW.
106#	M51903P	59	17	Z5968	MP535	Linear Level Detector And Indicator
107	MC1304L	59	07	Z7001	TO116	FM Multiplex Stereo Demodulator;Pd150mWt;THD 1.0%Δ;Zin 12kΩ*;Chan.Bal.500mdBt.
108	MC1304PQ	59	07	Z7001	14-13	FM Multiplex Stereo Demodulator;Pd 150mWt;THD 1.0%Δ;Zin 12kΩ*;Chan.Bal. 500mdBt.
109	MC1305L	59	07	Z031	TO116	FM Multiplex Stereo Demodulator;Pd150mWt;THD 1.0%Δ;Zin 12kΩ*;Chan.Bal.500mdBt.
110	MC1305PQ	59	07	Z031	14-13	FM Multiplex Stereo Demodulator;Pd 150mWt;THD 1.0%Δ;Zin 12kΩ*;Chan.Bal. 500mdBt.

LINEAR

12. MISCELLANEOUS

IN ORDER OF (1) USE (2) TYPE No.

LINEAR

LINE No.	TYPE No.	U S E	T C O D E	DRAWINGS		GENERAL DESCRIPTION
				CKT.	OUT-LINE Δ=MO	
1	MC1325L	59	07	Z032	T0116	Dual Chroma Demodulator;Zin2.3kΩ;Vs20V;Vo15.5Vf;Z out 100Ωf;ΔVref 2.0 Neg10V.
2	MC1325P	59	07	Z032	14-3a	Dual Chroma Demodulator;Zin2.3kΩ;Vs20V;Vo15.5Vf;Z out 100Ωf;ΔVref 2.0 Neg10V.
3	R47M10S	59	3A		MP358a	Integrated UHF Power Amp;VCC 15V;Freq Rng 440-470MHz;Zin-out 50Ω.
4	R47M13S	59	3A		MP358a	Integrated UHF Power Amp;VCC 15V;Freq Rng 440-470MHz;Zin-out 50Ω.
5	R47M15S	59	3A		MP358a	Integrated UHF Power Amp;VCC 15V;Freq Rng 440-470MHz;Zin-out 50Ω.
6	R301	59	06		MP515	RMS Computing Subsystem;VS ±15V;Vi ±10V;Vo 0-10V;Io 10mA.
7	RM183G*5	59	5C	C049	T084	MaxPower Consumption 7.5mW;INPUT NOISE VOLTAGE 0.5uV.
8	RM4441D*5	59	5C	G014	14-5	LINE RECEIVER;SUPPLY VOLTAGE TWO Neg10V and One Pos20V;Toff80nT.
9	RM4441J*5	59	5C	G014	FP6a	LINE RECEIVER;SUPPLY VOLTAGE TWO Neg10V and One Pos20V;Toff80nT.
10#	SAA1028	59	48	Z567	16-13d	Motor Control Ckt;Pt 340mW max;Vp 4.5-18V;Is 35mA;Outp Freq 500kHz.
11#	SAS560	59	26		16-4	Switch amplifier for touch control with high sensitivity;VS 12/30V;Iout 35mA.
12#	SAS570	59	26		16-4	Switch amplifier for touch control with high sensitivity;VS 12/30V;Iout 35mA.
13	SE565A	59				Phase Locked Loop; FM Demodulation; Freq shift keying.
14	SG1496G	59	07	Z7105	CN10b	Balanced Modulator-Demodulator;ΔVS 20S;Pd 33mWt;Vo 8.0t;Carr Suppr 65dBt at 500kHz.
15	SG1496L	59	07	Z7105	14-8a	Balanced Modulator-Demodulator;ΔVS 20S;Pd 33mWt;Vo 8.0t;Carr Suppr 65dBt at 500kHz.
16	SG1596G	59	5C	Z7105	CN10b	Balanced Modulator-Demodulator;ΔVS 20S;Pd 33mWt;Vo 8.0t;Carr Suppr 65dBt at 500kHz.
17	SG1596L	59	5C	Z7105	14-8a	Balanced Modulator-Demodulator;ΔVS 20S;Pd 33mWt;Vo 8.0t;Carr Suppr 65dBt at 500kHz.
18	SH3015	59	07	Z590	MP891	Servo Amplifier;Supply 40V;Pd 70W;Output Curr 10A;Voltage Gain 40,000
19#	SL620G	59	07	Z7301		AGC Generator;Max Vo 2.0*;Quiescent Cur 4.1mAΔ;R0-12Ω*;Ri-1.0kΩ.
20#	SL621G	59	07	Z7302		AGC Generator;Max Vo 5.1*;Quiescent Cur 4.1mAΔ;R0-20Ω*;Ri-350Ω.
21#	SL630G	59	07	C050		Mic Amp W/AGC and Muting;LF Resp-800Hz;Allenuation Vs AGC-0.0dB at .80V and 60dB at 1.8V.
22#	SL640G	59	07	Z7104		Double Balanced Modulator;Quiescent Cur 16mAΔ;Conv gain-2.0dBΔ.
23#	SL641G	59	07	Z7103		Double Balanced Modulator;Quiescent Cur 13mAΔ;Conv Transcon-3.5mmhoΔ.
24#	SL645C	59	5C	Z232	CN11e	Square Law Device;VS ±5.0V at 5.0mA;Io 150uAΔ;Input Sig Suppression 8.0db at 200MHz.
25#	SL680A	59	5C	Z5960	CN27b	Crystal Oscillator Maintaining Ckt;VS 6V;IS 15mA.
26#	SL1020B	59	2C	Z5951	T0100	Channel Amp;VS -20V;IS 9.0mA;Overload 15dBm;BW 100kHzΔ;Gain 26db;Ro 600Ω.
27#	SN56514	59	5C	Z081	T0100	Doubly balanced mixer;Pd 131mWΔ;Vs 12V;Conversion Gain 14dbt;LoPower 5.0mWΔ.
28	SPH0130	59	F050	CN22b		Shunt Regulator;Po 31W at 100°C;Rpl 40db min;Reg. 75mV max.
29	SPH0131	59	F050a	CN22b		Shunt Regulator;Po 31W at 100°C;Rpl 40db min;Reg. 75mV max.
30#	STK609	59	38	Z393	MP424	AC Voltage Regulator;VAC 100V;RL 25Ω;Iurge 50A.
31	TAA470	59			T072	Thermal matched RGB matrix preamp, Vt-12V;Pt-400mW.
32#	TAA560	59	06	Z5932	T072	Level Detector;Shutter Control Circuit;Vs 2.5V;Pd 120mWΔ;Vo 12.5VΔ
33#	TAA580	59	26	T104	FP16	Level detector;VS 4.5VΔ;Vo 12VΔ;Io 70mAΔ;Pt 180mW.
34#	TAA780A	59	24	Z59AU	CN88	Stabilizing Circuit;Stabilized Volt 1.1Vt;Stabilizing Current 1.0mA;hFE 250
35#	TAA780B	59	24	Z59AU	FP62	Stabilizing Circuit;Stabilized Volt 1.1Vt;Stabilizing Current 1.0mA;hFE 250
36#	TAA790A	59	06		T0116	Controlled Pulse Generator for pulse separation and line synch;V08.0V;Ro1.0k;f15.6kHz.
37#	TAA790B	59	06		14-6	Controlled Pulse Generator for pulse separation and line synch;V08.0V;Ro1.0k;f15.6kHz.
38#	TAA920	59	26	Z168	16-8	AM/FM-IF Amplifier;Vs 15V;Pd 300mW;Ri 40kΩ;Noise Ratio 50db*
39#	TAB1041K	59			CH38	Push-Pull Output Amplifier for Hearing Aids;1.0V-12V;Output to 15mA
40#	TAB1041W	59			FP42	Push-Pull Output Amplifier for Hearing Aids;1.0V-12V;Output to 15mA
41#	TAD110	59	37	Z051	T0116	A.m. and f.m. communication receivers;Vs 9.0V;Gv 14dbt;NF 12dbΔ;Sens. 20uVΔ.
42#	TBA110A	59	6		T0116	AM/FM IF Amp;VB 10Vmax;VO 130mV at VI 50 uV.
43#	TBA110B	59	6		14-6	AM/FM IF Amp;VB 10Vmax;VO 130mV at VI 50uV.
44#	TBA311	59	27	Z127	16-6	TV video processing circuit;Vs 16V;Pd 500mW;Ri 2.7kΩ.
45#	TBA840	59	15	Z208	FP62	1-Coil Driver Ckt for battery-powered wrist watches;Vs 1.5V.
46#	TBA950R	59	05		T0116	Controlled Pulse Gen. for pulse separ. and line synch.in TV rec.w/tube line out stage.
47#	TCA205WI	59			FP42	Threshold Detector
48#	TCA205WII	59			FP42	Threshold Detector
49#	TCA350	59	26	Z59AV	T073	Delay Line for Analog Signals
50#	TCA350Y	59			Z59AW	Delay Line for Analog Signals Freq 250kHzΔ;Delay Time 2.3ms;Vi -8.0Vt
51#	TCA430	59	16		16-4a	4 RC Oscillators for Master Oscillators in electronic organs.
52#	TCA430N	59	16		16-4a	4RC Oscillators for Master Oscillators in Electronic Organs.
53#	TCA600	59	07		T039	Motor Speed Regulator;Vs 14VΔ;Pd 550mWΔ;Vref 2.6V;Vo 3.6V;Line Reg .1%/V.
54#	TCA610	59	07		T039	Motor Speed Regulator;Vs 20VΔ;Pd 550mWΔ;Vref 2.6V;Vo 5.6V;Line Reg .1%/V.
55#	TCA840	59	15	Z208	MP321	1-Coil Driver Ckt for battery-powered wrist watches;Vs 1.5V.
56#	TCA860	59	15	Z59AT	CN88	1 Coil Driver Ckt for Battery Powered Table Clocks;1.5 Volts
57#	TDA1054	59	06		16-4	Preamp for Cassette recorder with ALC;VS 20VΔ;Pd 500mW at Ta 50°C.
58	TIXL74	59	46	Z145	MP224	Silicon Avalanche Photodetector Module; VAA 9.5Vmax; VDD 200V.
59	TIXL75	59	46	Z146	MP224	Germanium Avalanche Photodetector Module; VAA 9.5Vmax; VDD 100V.
60	TIXL76	59	46	Z146	MP224	Germanium Avalanche Photodetector Module; VAA 9.5Vmax; VDD 160V.
61	TL480CN	59	07	Z59AX		10-Step Analog Level Detector Open-Collector Outputs Capable of Sinking 40mA Withstand 32V
62	TL481CN	59	07	Z59AY		10-Step Analog Level Detector Emitter Pull-Up Outputs Capable of Sourcing Up to 25mA
63	TL560CL	59	07	Z5928	CN1k	Precision Level Detector;Stable Threshold Level,Threshold Hysteresis
64#	TPV63	59	37	Z5959	FP42	Threshold SW For Photodiodes;VS1 10V;VS2±10V;Vo 20V;Vi ±10V;Io 70mA.
65#	u401B	59	07			Compander;Broadband;Reduces Noise During Recording/Playback in Cassette Recorders
66#	uA719-5F5	59	5C	D008	T0100	Limiter/FM Detector/Single Stage Amp for IF Systems to 50MHz.
67	uA719C-5F5	59	07	D008	T0100	Limiter/FM Detector/Single Stage Amp for IF Systems to 50MHz.
68	uA784-9A	59	48	Z147	14-4d	TV/FM Sound System;Vs 32V;Pd 500mW;Is 40mA;IF Gv 70db*;Dist 5.0%Δ.
69	uA784-9C	59	48	Z147	MP227	TV/FM Sound System;Vs 32V;Pd 500mW;Is 40mA;IF Gv 70db;Dist 5.0%Δ.
70	uA785-9B	59	2C	Z148	16-2a	TV Signal Processing Circuit;Vs 12V;Is 25mAΔ;Pd 600mW;Gv 3.0V/Vt;Ri 2.7kΩt.
71	uA785-9D	59	2C	Z148	MP229	TV Signal Processing Circuit;Vs 12V;Is 25mAΔ;Pd 600mW;Gv 3.0V/Vt;Ri 2.7kΩt.
72	uA788-9B	59	48	Z149	16-2a	PAL Color TV Chroma Demodulator;Vs12V;Is40mAΔ;Pd550mW;Ro 100ΩΔ;Color Diff.Gain 7.0V/VΔ.
73	uA788-9D	59	48	Z149	MP229	PAL Color TV Chroma Demodulator;Vs12V;Is40mAΔ;Pd550mW;Ro 100ΩΔ;Color Diff.Gain 7.0V/VΔ.
74	uA3084-5A	59	48	Z6803	CN2	TV Auto-Fine Tuning Ckt w/wideband and DC Amps;Diff. Detector and Zener Diode V.Regulator.
75	uA3085-7F	59	48	Z5903	MP226	IF Amp-Limiter;FM Detector;Electronic Attenuator;Audio Driver;Pd 850mW;Ro 270Ωt;Ri 70kΩt.
76	uA3085-9A	59	48	Z5903	14-4d	IF Amp-Limiter;FM Detector;Electronic Attenuator;Audio Driver;Pd 850mW;Ro 270Ωt;Ri 70kΩt.
77	uA3085-9C	59	48	Z5903	MP227	IF Amp-Limiter;FM Detector, Electronic Attenuator;Audio Driver;Pd 850mW;Ro 270Ωt;Ri 70kΩt.
78#	UAA110	59	15		T0116	Control Ckt for Electronic Controlled Camera w/shutter-time cont.choice of aperture.
79#	UAA210	59	27		CN88	Exposuremeter;Supply Voltage(V1,V2,V3)6.5Vmax
80#	UA1001	59	0A	Z556	8-7b	Sensor Light Switch I.C.;±36V±20mA.
81	ULN2117A	59	38	Z133	14-2w	FM Detector and Limiter;Pd 600mWΔ;Icc 30mA;Vcc 12V;freq. to 30MHz;Audio preamp included.
82	ULN2117N	59	38	Z133	14-8b	FM Detector and Limiter;Pd 600mWΔ;Icc 30mA;Vcc 12V;freq. to 30MHz;Audio preamp included.
83	ULN2137A	59	07	Z672	14-2w	AM Radio Sys;Pd 850mW;Osc Current 1.2mA;Sen 5.0mVΔ;S/N Ratio 43dBt
84	ULN3000M	59	07	Z218	8-1	HALL SWITCH;VCC 5VDC; MAGNETIC FLUX DENSITY OPERATE POINT 750B*;O STATE 0.4VDC AT Io 20mA.
85	ULN3000R	59	07	Z218	MP283	HALL SWITCH;VCC 5VDC;Magnetic Flux Density Operate Point 750BΔ.
86	ULN3000S	59	07	Z218a	MP284	HALL SWITCH;VCC 5VDC; MAGNETIC FLUX DENSITY OPERATE POINT 750B*;O STATE 0.4VDC AT Io 20mA.
87	ULN3004M	59	07	Z219	8-1	HALL SWITCH;Open Collector Output;VCC 5VDC;Operate 1000BΔ;Digital Output.
88	ULN3004R	59	07	Z219	MP283	HALL SWITCH;Open Collector Output;VCC 5VDC;Operate 1000BΔ;Digital Output.
89	ULN3004S	59	07	Z219a	MP284	HALL SWITCH;Open Collector Output;VCC 5VDC;Operate 1000BΔ;Digital Output.
90	ULN3100M	59	07	Z220	8-1	HALL Element,Calibrated;Vref 7VA.
91	ULN3100R	59	07	Z220	MP283	HALL Element,Calibrated;Vref 7VA.
92	ULN3100S	59	07	Z220	MP284	HALL Element,Calibrated;Vref 7VA.
93	XR567N	59	48	Z5944	8-11	Tone Decoder;VCC 5.0V;Freq 0-1Hz-500kHz;BW 0-14%;TTL 100mA Sink Output;Ceramic Pkg
94	XR1543M	59	5C	Z5911	MP2	Power Supply Control Circuit;Vin 4.5-40V;Ref Volt 2.5V;Line Reg 10mV;Pd 1.0WΔ
95	XR2261CP	59	15	Z5911	14-26	MONOLITHIC PROPORTIONAL SERVO I.C.
96	XR2543P	59	07	Z5911	MP2	Power Supply Control Circuit;Vin 4.5-40V;Ref Volt 2.5V;Line Reg 10mV;Pd 1.0WΔ
97	XR2543R	59	07	Z5911	MP2	Power Supply Control Circuit;Vin 4.5-40V;Ref Volt 2.5V;Line Reg 10mV;Pd 1.0WΔ
98	XR3543CP	59	07	Z5911	MP2	Power Supply Control Circuit;Vin 4.5-40V;Ref Volt 2.5V;Line Reg 10mV;Pd 1.0WΔ
99	XR3543CN	59	07	Z5911	MP2	Power Supply Control Circuit;Vin 4.5-40V;Ref Volt 2.5V;Line Reg 10mV;Pd 1.0WΔ
100#	Z5P7	59	4C	Z093	CN23	PNP Emitter Follower;Vs 4.4VΔ;Pd 40mW;Stage Delay Time 5.0ns.
101#	Z5P7	59	4C	Z093	CN23	PNP Emitter Follower;Vs 4.4VΔ;Pd 40mW;Stage Delay Time 5.0ns.
102	899-60	60	07	Z432	MP443	6 Dio Work Inv Volt 50V;Io 200mA;Surge Cur 1.0A;Pd 1.4W
103	C3A3019	60	5C	Z6002	CN17f	6 Diodes;Pd 120mWΔ;Vs 12V;VF 780mVΔ;Ir 10uAΔ;Cd 1.8pf;(VBR) 6.0V.
104	ITT2501	60	8E	Z460	T0116	Monolithic;PIV 60V;IR 100nA;Pd 600mWΔ;Rev Rec Time 20ns;VF 1.0V at 100mA.
105	ITT2501-01	60	8E	Z460	T0116	Monolithic;PIV 50V;IR 100nA;Pd 600mWΔ;Rev Rec Time 20ns;VF 1.0V at 100mA.
106	ITT2501-02	60	8E	Z460	T0116	Monolithic;PIV 40V;IR 100nA;Pd 600mWΔ;Rev Rec Time 20ns;VF 1.1V at 100mA.
107	ITT2501-03	60	8E	Z460	T0116	Monolithic;PIV 30V;IR 100nA;Pd 600mWΔ;Rev Rec Time 20ns;VF 1.1V at 100mA.
108	LM3019H	60	07	Z6002	CN10p	6 Diodes;Pd 120mWΔ;Vs 12V;VF 7.3V;Ir 10uA;Cap. 1.8pf;(VBR) 6.0V.
109	LM3039H	60	07	Z5802	CN18d	6 Diodes;Pd 100mWΔ;PIV 5.0VΔ;IF 25mA;VF 900mVΔ;Ir 10uAΔ;trr 10nsf.
110	MRD6039D	60	49	Z140	FP17	Monolithic Photo-Diode Array;PIV 50Vt;Pd 200mW.

12. MISCELLANEOUS

IN ORDER OF (1) USE (2) TYPE No.

LINE No.	TYPE No.	USE	T O M D P E	DRAWINGS		GENERAL DESCRIPTION
				CKT.	OUT-LINE Δ=MO	
1	MS214	60	28	Z105	MP212	Matched Quad;BVR 60V* at 100uA;IR 25nAΔ at 50V at 25°C;IF 10mA* at 1.0V.
2	uA3019HM	60	5C	Z6005	CN18d	Monolithic;Pd 120mWΔ;VF 780mVΔ At IF 1.0mA;VR 4.0V*;Rev BD Between Diode-Substrate 25V*
3	uA3039HM	60	5C	Z6004	TO100	Monolithic;Pd 600mWΔ;VF 900mVΔ At IF 1.0mA;VR 5.0VΔ;IF 25mAΔ;Rev BD D-Substrate 20V*
4	VA3019	60	5C	Z6002	CN10d	6 Diodes;Pd 120mWΔ;Vs 12V;VF 7.3V;IR 10uA;Cd 1.8pF;(V)BR 6.0V.
5	71005	61	07	Z027	CN20a	Timing Device;Timing Interval 10uSec;ΔVo 20V;ΔIo 40mA;Pd 300mW max;Cd in 7.0pf.
6	TAA320	61	C	Z6101	TO18	Bi-Fet Audio Amp;Pt 200mWΔ;Id 25mAΔ;VDS 20VΔ;VGS0 20VΔ;yfs 75mmho;Cis 8.0pF.
7#	TAA320A	61	2C	Z236	TO18	MOST Level Sensor;VDS 20VΔ;VGS0 20VΔ;Id 60mA;VGS10.6V;Id 10mA;VDS 10V.
8#	ZBA1	61	5F	Z016	TO78	Vs20VΔ;BVcbo6.0VΔ;Pd350mWΔ;hFE30*at1.0mA;FT10MHz*.
9	GEL300F1	62	27	Z038	MP13	Zero Voltage Switch;Vs 15V;Io 100mA;Vo 15V;Pd 440mW.
10	GEL301F1	62	58	Z039	MP13	Phase Control for trial triggering;Vs 7.5 to 11V;Io 400mA;IS ±36mA;IG ±2.0A.
11#	M5172P	62	17	Z536	14-2g	0 Volt Switch for 50 or 60Hz Thyristor Control.
12	MFC8070	62	17	Z183	MP259	Zero Voltage Switch;Pd 1.0W;VSI 11Vdc max;IOL 100uAmax;Ic 15uAmax.
13#	TCA280	62	28	Z331	16-4a	Triggering Stage for controlling Thyristors and Triacs;Vs 12V;Ri 20Ω*;Io 6.0mA.
14#	u106BS	62	07			CONTROL:Zero Volt Switch;Thyristor/Triac Control for Static Switch;Burst Firing
15#	u111B	62	08			CONTROL:Phase Control of AC Loads;Ignition Pulse 150mA(Typ);Consumption 2.5mA
16#	u112BA	62	08			CONTROL:Two-Wire Touch Switch W/Adjustable Phase Control for Ohmic/Inductive Loads
17	uA7391PC	62	4A	Z6222	12T9	Motor Speed Control System;Vs 14.5;Motor Drive Vsat 1.1VΔ;Pulse Output LV 250mV
18#	U217B	62	09			CONTROL:Zero Volt Switch;Triac Control for Static Switch;Burst Firing;1/3 Phase Pwr Supp
19#	VAA146	62	07			CONTROL:Phase Control Integrated Ckts;Phase Angle Variable from 0°-180°;Our PW Adjustable
20	XR742CN	62	07	Z6218	14-26	Zero Crossing AC Trigger-TRIGAC.
21	XR742CP	62	07	Z6218	14-26	Zero Crossing AC Trigger-TRIGAC.
22	840-T1	63	5C	Z6306	TO5	Vo 10Vt;Output Acc ±100m%Δ;Io 5.0mAΔ;Rpl Rejec 56dBt;Ro 100mΩ;Vi35VΔ;Input Cd 100nF
23	840-T2	63	28	Z6306	TO5	Vo 10Vt;Output Acc ±100m%Δ;Io 5.0mAΔ;Rpl Rejec 56dBt;Ro 100mΩ;Vi35VΔ;Input Cd 100nF
24#	AN156	63	27	Z6313		Voltage Reference Diode;Iz 5mA;Pd 600mW
25	DRAM6.8A10	63	6H	Z025	TO12	Vref 6.8±10%;TC 1.0m%/°C;Iz 20mA max;Pd 300mW;hFE 150 min;VCE 50V.
26	DRAM6.8A100	63	6H	Z025	TO12	Vref 6.8±5%;TC 10m%/°C;Iz 20mA max;Pd 300mW;hFE 150 min;VCE 50V.
27	DRAM6.8A25	63	6H	Z025	TO12	Vref 6.8±10%;TC 2.5m%/°C;Iz 20mA max;Pd 300mW;hFE 150 min;VCE 50V.
28	DRAM6.8A50	63	6H	Z025	TO12	Vref 6.8±10%;TC 5.0m%/°C;Iz 20mA max;Pd 300mW;hFE 150 min;VCE 50V.
29	DRAM6.8B10	63	6H	Z025	TO12	Vref 6.8±5%;TC 1.0m%/°C;Iz 20mA max;Pd 300mW;hFE 150 min;VCE 50V.
30	DRAM6.8B100	63	6H	Z025	TO12	Vref 6.8±5%;TC 10m%/°C;Iz 20mA max;Pd 300mW;hFE 150 min;VCE 50V.
31	DRAM6.8B25	63	6H	Z025	TO12	Vref 6.8±5%;TC 2.5m%/°C;Iz 20mA max;Pd 300mW;hFE 150 min;VCE 50V.
32	DRAM6.8B50	63	6H	Z025	TO12	Vref 6.8±5%;TC 5.0m%/°C;Iz 20mA max;Pd 300mW;hFE 150 min;VCE 50V.
33	DRVL6.4B10P	63	5F	Z083	MP175	Vref 6.4Vt;Vin 40VΔ;Zz 100Ω*;TC 1.0m%/°CΔ;Pd 48mWΔ.
34	DRVL6.4B100P	63	5F	Z083	MP175	Vref 6.4Vt;Vin 40VΔ;Zz 100Ω*;TC 1.0m%/°CΔ;Pd 48mWΔ.
35	DRVL6.4B25P	63	5F	Z083	MP175	Vref 6.4Vt;Vin 40VΔ;Zz 100Ω*;TC 2.5m%/°CΔ;Pd 48mWΔ.
36	DRVL6.4B50P	63	5F	Z083	MP175	Vref 6.4Vt;Vin 40VΔ;Zz 100Ω*;TC 5.0m%/°CΔ;Pd 48mWΔ.
37	DRVM6.4B10N	63	5F	Z084	CN38	Vref 6.4Vt;Vin 40VΔ;Zz 100ΩΔ;TC 1.0m%/°CΔ;Pd 48mWΔ.
38	DRVM6.4B10P	63	5F	Z083	CN38	Vref 6.4Vt;Vin 40VΔ;Zz 100ΩΔ;TC 1.0m%/°CΔ;Pd 48mWΔ.
39	DRVM6.4B100N	63	5F	Z084	CN38	Vref 6.4Vt;Vin 40VΔ;Zz100ΩΔ;TC 1.0m%/°CΔ;Pd 48mWΔ.
40	DRVM6.4B100P	63	5F	Z083	CN38	Vref 6.4Vt;Vin 40VΔ;Zz 100Ω;TC 10m%/°CΔ;Pd 48mWΔ.
41	DRVM6.4B25N	63	5F	Z084	CN38	Vref 6.4Vt;Vin 40VΔ;Zz100ΩΔ;TC 2.5m%/°CΔ;Pd 48mWΔ.
42	DRVM6.4B25P	63	5F	Z083	CN38	Vref 6.4Vt;Vin 40VΔ;Zz 100ΩΔ;TC 2.5m%/°CΔ;Pd 48mWΔ.
43	DRVM6.4B50N	63	5F	Z084	CN38	Vref 6.4Vt;Vin 40VΔ;Zz100ΩΔ;TC 5.0m%/°CΔ;Pd 48mWΔ.
44	DRVM6.4B50P	63	5F	Z083	CN38	Vref 6.4Vt;Vin 40VΔ;Zz 100ΩΔ;TC 5.0m%/°CΔ;Pd 48mWΔ.
45	MCA1911-14N	63	6H	Z025	MP157	Vref 6.8±10%;Volt.change with temp. .051-.005V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
46	MCA1911-14P	63	6H	Z026	MP157	Vref 6.8±10%;Volt.change with temp. .051-.005V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
47	MCA1921-24N	63	6H	Z025	MP157	Vref 6.8±5.0%;Volt.change with temp. .105-.010V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
48	MCA1921-24P	63	6H	Z026	MP157	Vref 6.8±5.0%;Volt.change with temp. .105-.010V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
49	MCA1931-34N	63	6H	Z025	MP157	Vref 6.8±5.0%;Volt.Change with temp. .139-.013V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
50	MCA1931-34P	63	6H	Z026	MP157	Vref 6.8±5.0%;Volt.change with temp. .139-.013V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
51	MCA2011-14N	63	6H	Z025	MP157	Vref 6.8±10%;Volt.change with temp. .060-.006V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
52	MCA2011-14P	63	6H	Z026	MP157	Vref 6.8±10%;Volt.change with temp. .060-.006V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
53	MCA2021-24N	63	6H	Z025	MP157	Vref 6.8±5.0%;Volt.change with temp. .124-.012V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
54	MCA2021-24P	63	6H	Z026	MP157	Vref 6.8±5.0%;Volt.change with temp. .124-.012V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
55	MCA2031-34N	63	6H	Z025	MP157	Vref 6.8±5.0%;Volt.change with temp. .164-.016V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
56	MCA2031-34P	63	6H	Z026	MP157	Vref 6.8±5.0%;Volt.change with temp. .164-.016V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
57	MCA2111-14N	63	6H	Z025	MP157	Vref 9.5±10%;Volt.change with temp. .071-.007V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
58	MCA2111-14P	63	6H	Z026	MP157	Vref 9.5±10%;Volt.change with temp. .071-.007V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
59	MCA2121-24N	63	6H	Z025	MP157	Vref 9.5±5.0%;Volt.change with temp. .147-.014V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
60	MCA2121-24P	63	6H	Z026	MP157	Vref 9.5±5.0%;Volt.change with temp. .147-.014V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
61	MCA2131-34N	63	6H	Z025	MP157	Vref 9.5±5.0%;Volt.change with temp. .194-.019V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
62	MCA2131-34P	63	6H	Z026	MP157	Vref 9.5±5.0%;Volt.change with temp. .194-.019V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
63	MCA2211-14N	63	6H	Z025	MP157	Vref 11±10%;Volt.change with temp. .082-.008V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
64	MCA2211-14P	63	6H	Z026	MP157	Vref 11±10%;Volt.change with temp. .082-.008V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
65	MCA2221-24N	63	6H	Z025	MP157	Vref 11±5.0%;Volt.change with temp. .170-.017V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
66	MCA2221-24P	63	6H	Z026	MP157	Vref 11±5.0%;Volt.Change with temp. .170-.017V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
67	MCA2231-34N	63	6H	Z025	MP157	Vref 11±5.0%;Volt.change with temp. .225-.022V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
68	MCA2231-34P	63	6H	Z026	MP157	Vref 11±5.0%;Volt.change with temp. .225-.022V;Max.Iz 20mA;Zz at 5.0mA Iz 40Ω.
69	MCLTC6010	63	6H	Z6305	CN58	Current Lim Volt Ref;Vref 6.72V max At VIN 31V;Vref Change 10mV at VIN 31V
70	MCLTC6025	63	6H	Z6305	CN58	Current Lim Volt Ref;Vref 6.72V max At VIN 31V;Vref Change 25mV at VIN 31V
71	MCLTC6050	63	6H	Z6305	CN58	Current Lim Volt Ref;Vref 6.72V max At VIN 31V;Vref Change 50mV at VIN 31V
72	MCLTC6100	63	6H	Z6305	CN58	Current Lim Volt Ref;Vref 6.72V max At VIN 31V;Vref Change 100mV at VIN 31V
73#	MT103-2.4	63	5C	Z005	CN25	Regulator diode;Breakdown Volt. 2.4V at Ir 1.0mA;Pd 250mW;TC -3.3mV/°C.
74#	MT103-2.7	63	5C	Z005	CN25	Regulator diode;Breakdown Volt 2.7V at Ir 1.0mA;Pd 250mW;TC -3.3mV/°C.
75#	MT103-3.0	63	5C	Z005	CN25	Regulator diode;Breakdown Volt 3.0V at Ir 1.0mA;Pd 250mW;TC -3.3mV/°C.
76#	MT103-3.3	63	5C	Z005	CN25	Regulator diode;Breakdown Volt 3.3V at Ir 1.0mA;Pd 250mW;TC -3.3mV/°C.
77#	MT103-3.6	63	5C	Z005	CN25	Regulator diode;Breakdown Volt 3.6V at Ir 1.0mA;Pd 250mW;TC -3.3mV/°C.
78#	MT103-3.9	63	5C	Z005	CN25	Regulator diode;Breakdown Volt 3.9V at Ir 1.0mA;Pd 250mW;TC -3.3mV/°C.
79#	MT103-4.3	63	5C	Z005	CN25	Regulator diode;Breakdown Volt 4.3V at Ir 1.0mA;Pd 250mW;TC -3.3mV/°C.
80#	MT103-4.7	63	5C	Z005	CN25	Regulator diode;Breakdown Volt 4.7V at Ir 1.0mA;Pd 250mW;TC -3.3mV/°C.
81#	MT103-5.1	63	5C	Z005	CN25	Regulator diode;Breakdown Volt 5.1V at Ir 1.0mA;Pd 250mW;TC -3.3mV/°C.
82#	MT103-5.6	63	5C	Z005	CN25	Regulator diode;Breakdown Volt 5.6V at Ir 1.0mA;Pd 250mW;TC -3.3mV/°C.
83	NRAM1000	63	5F	Z025	MP85	NPN Configuration;for PNP see PRAM series;Vref 6.8V;TC .005%/°C max.
84	NRAM1100	63	5F	Z025	MP85	NPN Configuration;for PNP see PRAM series;Vref 6.8V;TC .002%/°C max.
85	NRAM1200	63	5F	Z025	MP85	NPN Configuration;for PNP see PRAM series;Vref 6.8V;TC .001%/°C max.
86	NRAM2000	63	5F	Z025	MP85	NPN Configuration;for PNP see PRAM series;Vref 6.8V;TC .005%/°C max.
87	NRAM2100	63	5F	Z025	MP85	NPN Configuration;for PNP see PRAM series;Vref 6.8V;TC .002%/°C max.
88	NRAM2200	63	5F	Z025	MP85	NPN Configuration;for PNP see PRAM series;Vref 6.8V;TC .001%/°C max.
89	NRAM3000	63	5F	Z025	MP85	NPN Configuration;for PNP see PRAM series;Vref 6.8V;TC .005%/°C max.
90	NRAM3100	63	5F	Z025	MP85	NPN Configuration;for PNP see PRAM series;Vref 6.8V;TC .002%/°C max.
91	NRAM3200	63	5F	Z025	MP85	NPN Configuration;for PNP see PRAM series;Vref 6.8V;TC .001%/°C max.
92	PRAM1000	63	5F	Z026	MP85	PNP Configuration;for NPN see NRAM series;Vref 6.8V;TC .005%/°C max.
93	PRAM1100	63	5F	Z026	MP85	PNP Configuration;for NPN see NRAM series;Vref 6.8V;TC .005%/°C max.
94	PRAM1200	63	5F	Z026	MP85	PNP Configuration;for NPN see NRAM series;Vref 6.8V;TC .001%/°C max.
95	PRAM2000	63	5F	Z026	MP85	PNP Configuration;for NPN see NRAM series;Vref 6.8V;TC .005%/°C max.
96	PRAM2100	63	5F	Z026	MP85	PNP Configuration;for NPN see NRAM series;Vref 6.8V;TC .002%/°C max.
97	PRAM2200	63	5F	Z026	MP85	PNP Configuration;for NPN see NRAM series;Vref 6.8V;TC .001%/°C max.
98	PRAM3000	63	5F	Z026	MP85	PNP Configuration;for NPN see NRAM series;Vref 11V;TC .005%/°C max.
99	PRAM3100	63	5F	Z026	MP85	PNP Configuration;for NPN see NRAM series;Vref 11V;TC .002%/°C max.
100	PRAM3200	63	5F	Z026	MP85	PNP Configuration;for NPN see NRAM series;Vref 11V;TC .001%/°C max.
101#	TAA940D	63	2F		MP282	Referenced Diode;Stabilized Volt 31V;TC 10uV/°C;Diff Res 10Ω.
102#	TAA940E	63	2F		MP282	Referenced Diode;Stabilized Volt 33V;TC 10uV/°C;Diff Res 10Ω.
103#	TAA940F	63	2F		MP282	Referenced Diode;Stabilized Volt 35V;TC 10uV/°C;Diff Res 10Ω.
104	TL430CLP	63	07		MP597	Adjustable Shunt Regulator;Ref Input 2.5V Min;Reg Voltage 30V Max;Reg Curr 100mAΔ
105#	LA5110	64	28	Z6412	MP746	Power Supply Contr for Color TV;Temp Drift of Out Volt ±1.0V Typ Pd 300mW max
106	LM103H1.8	64	5C	Z6405	CN25	Monolithic Regulator Diode;Pd 250mWΔ;IF 100mAΔ;VF 1.0VΔ At IF 10mA;BV 1.8V
107	LM103H3.0	64	5C	Z6405	CN25	Monolithic Regulator Diode;Pd 250mWΔ;IF 100mAΔ;VF 1.0VΔ At IF 10mA;BV 3.0V
108	LM103H	64	5C	Z6405	CN25	Monolithic Regulator Diode;Pd 250mWΔ;IF 100mAΔ;VF 1.0VΔ At IF 10mA
109	SG1457J	64	5C	Z6419	16D	MONITOR,Quad Power Fault;Monitors Any 3 DC Pwr Supply Voltages and AC Input Line Voltage
110	TAA550	64	2E		CN28	Voltage Stabilizer for Capacitance Diodes in TV Tuners;Vstab 35VΔ;Is 5.0mAΔ

LINEAR

12. MISCELLANEOUS

IN ORDER OF (1) USE (2) TYPE No.

LINEAR

LINE No.	TYPE No.	U	T	C	E	O	M	D	DRAWINGS		GENERAL DESCRIPTION
									CKT.	OUT-LINE Δ=MO	
1#	TBA271A	64	07	Z6403	CN28	Voltage Stabilizer;Vz 31V;Ri 25Ω;TC 1.6mV/°CΔ;Iz 15mAΔ.					
2#	TBA271B	64	07	Z6403	CN28	Voltage Stabilizer;Vz 33V;Ri 25Ω;TC 1.6mV/°CΔ;Iz 15mAΔ.					
3#	TBA271C	64	07	Z6403	CN28	Voltage Stabilizer;Vz 35V;Ri 25Ω;TC 1.6mV/°CΔ;Iz 15mAΔ.					
4#	TCA700X	64	XC	Z6414	MT6	Car Volt Stab;Vi Rng -500mV to 16V;Ii 15A					
5#	uPC4	64	-F		DO35	Voltage Regulator Ckt Using External Zener;Vs 12Vt					
6#	ZTK33DPD	64	17		DO35	Temp-compensated Volt.stabilizer;Vz 30 to 36V;Iz 10mA at TA 45°C;Rz 13Ω at 5mA.					
7	6281	65	58		MP460a	Video Blanking, Gate And Summing Amp;Vs ±15V;Vin ±10V FS;Vs ±10V FS					
8	9000	65	57			ΔVS 15V;Cs 4.0mA;ΔVO 10V;SR 500mV/us.					
9	9004	65	57			VS ±15V;BW 0.0-3.0MHz;SR ±1.1Vus;Ri 5.0k*;Pd 220mWΔ.					
10	AA1101	65	06		MP84	ΔVS 15V;Cs 5.0mA;BW dB 100kHz; ΔVO 10V;SR 3.0V/us.					
11	AA1102	65	06		MP84	ΔVS 15V;Cs 5.0mA;BW dB 200kHz;ΔVO 10V;SR 6.0V/us.					
12	AA1103	65	06		MP84	ΔVS 15V;Cs 5.0mA;BW dB 500kHz;ΔVO 10V;SR 15V/us.					
13	AA1104	65	06		MP84	ΔVS 15V;Cs 6.0mA;BW dB 500kHz;ΔVO 10V;SR 30V/us.					
14	AA1105	65	06		MP84	ΔVS 15V;Cs 6.0mA;BW dB 800kHz;ΔVO 10V;SR 40V/us.					
15	AA1106	65	06		MP84	ΔVS 15V;Cs 6.0mA;BW dB 2.0MHz;ΔVO 10V;SR 50V/us.					
16#	6342N	66	20	Z66AX	MP530	VTR Reference Frequency Divider;Vcc 12.5V;I 22.5mA;Pd 280mW					
17#	AN202	66	20		TO116	TV Deflection signal circuit;Pt 500mW.					
18#	AN205	66	26		TO116	TV Video processing circuit;Vs 12V;Pt 550mW.					
19#	AN209	66	28		TO116	TV tuning indicator on screen;Pt 250mW.					
20#	AN221	66	26	Z6631	TO116	Automatic fine tuning control circuit for TV(Pt 445mW).					
21#	AN222	66	27	Z6628	TO116	Automatic Fine Tuning Circuit for TV. (Pt 700mW).					
22#	AN228	66	27		16-1	TV Video Processing Circuit;Vs 12V;Is 22mA;BW 4.5MHz*;Vi 1.8Vpp.					
23#	AN229	66	27		16-1	TV Video Processing Circuit;Vs 12V;Is 22mA;BW 4.5MHz*;Vi 1.0Vpp.					
24#	AN230	66	27		16-1	TV Video Processing Circuit;Vs 12V;Is 22mA;BW 4.5MHz*;Vi 1.8Vpp.					
25#	AN231	66	27		16-1	TV Video Processing Circuit;Vs 12V;Is 22mA;BW 4.5MHz*;Vi 1.8Vpp.					
26#	AN232	66	27		16-1	TV Automatic Frequency Control,Horizontal Oscillator,Frequency Divider,Interlace Ckts.					
27#	AN233	66	27	Z305		TV Deflection Combination.					
28#	AN240	66	27	Z5903	TO116	Sound Channel Circuit for TV (Pt 445mW).					
29#	AN240D	66	27	Z6691	14-26C	Sound IF Amplifier Detector Circuit;Vcc 14.4V;Icc 50mA;Pd 445mW					
30#	AN241D	66	27	Z6691	14-26C	Sound IF Amplifier Detector Circuit;Vcc 24V;Rs 390KΩ;Is 33mA;Pd 445mW					
31#	AN246	66	16	Z6692	16-3	TV Video Jungle Combination;Vcc 12V;Pd 520mW					
32#	AN249	66	26		16-3	TV Video Processing Circuit;Vs 12V;Is 32mA;Sync.Separator;DC Contrast Control;ABL;ARC.					
33#	AN328	66	26		16-3	Video processing circuit for TV (Pt 490mW).					
34#	AN331	66	26		16-3	TV Video Processing Circuit;Vs 12V;Is 22mA;BW 4.5MHz;Vi 1.8Vpp.					
35#	AN332	66	27		16-3	Deflection Circuit for TV (Pt 490mW).					
36#	AN333	66	27		16-3	Deflection Circuit for TV (Pt 490mW).					
37#	AN334	66	16		16-3	TV Automatic Frequency Control;Horizontal Oscillator;Frequency Divider.					
38#	AN345	66	16	Z66H	16-42	TV Video Jungle Combination;Vcc 12V;Pd 665mW					
39#	AN5431	66	27	Z66V	16-8h	TV Deflection Signal Processing;Vcc 12V;Icc 15mA					
40	CA3034G	66	08	Z66AI	CH	TV Sound IF and Audio Output Subsystems;16-Lead Plastic Power Stud DIP;Pout 3W(typ)					
41	CA3041S	66	08	C024	14-6	Wide-band AMP/FM Detector/AF Preamp/Driver for TV audio system to 20MHz.					
42	CA3042S	66	08	C025	14-6	Wide-band AMP/FM Detector/AF Preamp/Driver for TV audio system to 20MHz.					
43	CA3064	66	08	Z6603	CN19	TV Auto. Fine Tuning Ckt w/Wideband and DC Amps;Diff.Detector and Zener Diode Volt.Reg.					
44	CA3064T	66	08	Z6603	CN19	TV Auto. Fine Tuning ckt w/Wideband and DC Amps;Diff.Detector and Zener Diode Volt Reg.					
45	CA3068	66	08	Z6625	20-1	TV Video IF System;Vs 20V;Pd 600mW.					
46#	DA2791	66	26	Z66G	16-58	TELEVISION SOUND COMBINATION;Vs 12Vt;Id 61mA;fo 5.5MHz;Virms 100uV at Start of Limiting					
47#	H58081	66	07	Z916	18-6	Quad Analog SW for Channel Selection in TV Tuners;With Ch Locking;Pd 500mW;Vcc 30V					
48#	H59081	66	07	Z916a	18-6	Quad Analog SW for Channel Selection in TV Tuners;For Extension of Svst;Pd 500mW;Vcc 30V					
49#	HA1108	66	28	Z6607	14-45	Auto Fine Tuning Ckt;Fo 58.75MHz;Oper Input Level 550mVrms;Vcc 30V;Zener Reg 11.9Vmax					
50#	HA1190	66	26	Z6651	16-48	Same as SAS560S except that Only One Chan Remains On for Simultaneous Sensor Actuation					
51#	HA1194	66	26	Z6652	16-48	Same as SAS560S except that Only One Chan Remains On for Simultaneous Sensor Actuation					
52#	HA11218	66	27	Z6609	18-8	TV Deflection Sys;Pull-in Ranges:460Hz Horiz,10Hz Vert;Output Drive 15mAmax					
53	HEPC6058P-RT	66	07	Z191	8-3	FM Radio or Color TV Tuning Indicator.					
54	HEPC6060P-RT	66	07	Z192	TO116	TV Sound Ckt;Vs 12Vdc;VL 160nVrmsΔ;THD 1.0%;VOΔ 3.5Vrms;t;Rin 9.0kΩ;Cin 6pft.					
55	HEPC6062P-RT	66	07	Z5904	TO116	TV Sound IF or FM IF Amp w/Quadrature Detector.					
56	ITT3064	66	08	Z6603	TO96	TV Auto.Fine tuning ckt w/Wideband and DC Amps;Diff.Detector and Zener Dis. V.Reg.					
57#	LA1381	66	28	Z637	14-12a	TV Deflection Processor;VCC 12V;Pd 500mWΔ					
58#	LA1382	66	28	Z638	14-12a	TV Deflection Processor;VCC 12V;Pd 500mWΔ					
59#	LA1383	66	28	Z639	14-12a	TV Vertical Deflection;VCC 12V;Vert Freq 60Hz;Pd 500mWΔ					
60#	LA1384	66	28	Z640	8-7	TV Horizontal Deflection;VCC 12V;Hor Freq 15.73kHz;Pd 400mΔ					
61	LM1019N	66	07	Z6612	16-13c	Digital Tuning Station Detector;V1-16 18V,V3-16 12V;Video Signal Input 1Vp-p*					
62	LM1351N01	66	07	Z6602	14-22a	TV Sound Ckt;FM DETECTOR,LIMITER and AUDIO AMP;Vs 16V;Pd 850mW;Gv Amp 65dB.					
63	LM1351N	66	07	Z6602	14-4n	TV Sound Ckt;FM DETECTOR,LIMITER and AUDIO AMP;Vs 16V;Pd 850mW;Gv Amp 65dB.					
64	LM1805	66	07			Complete 2 Watt,TV sound system;INC IF AMP and DETECTOR.					
65	LM1807N	66	07	Z839	18-3	TV Video IF Sys;Vs 15V;Pd 55mAΔ;Conv Gain 72dB;Neg Video ΔVo 1.2V;IF AGC Rng 70dBt					
66	LM1808N	66	07	Z6669	18-3	TV Sound System;Vs 24V;Dist 2.0% At 2W;Zi 50kΩ*;AM Rejection 40dB*					
67	LM1845N01	66	07	Z6635	16-5a	TV Signal Processing System;Pd 625mW;AGC Threshold 5.3VΔ;VS 24V					
68	LM1845N	66	07	Z6635	16-13c	TV Signal Processing System;Pd 625mW;AGC Threshold 5.3V;VS 24V					
69	LM1880N	66	07	Z6613	14-50	No-Holds Vertical/Horizontal Proc System;Vert Lock Freq 58.1Hz* VCO Ref 5.1Vt					
70	LM2808N	66	26	Z6669	18-3	TV Sound System;Vs 16V;Dist 2.0% at 500mW;Zi 50kΩ*;AM Rejection 40dB*					
71	LM3064H	66	08	Z6603	CN36	TV Automatic Fine Tuning Ckt;Vcc 30V;Pt 150mWΔ;ID 9.5mAΔ.					
72	LM3064N	66	08	Z6604	14-50	TV Automatic Fine Tuning Ckt;Vcc 30V;Pt 150mWΔ;ID 9.5mAΔ.					
73#	M5188K	66	27	Z245	16-1	TV Horizontal AFC/Horizontal Osc./Vert. Syncro-Amplifier/Vert.Osc;Vs 12V;Is 45mA5.					
74	MC1345P	66	07	Z180	TO116	TV Signal Processor;Pt 625mW;Vi 10Vdc;Is 26mAdc typ					
75	MC1351PQ	66	07	Z6601	14-13	TV Sound Circuit;Pt 625mW;THD 1.0%;IF Gain 65dB; Rin 9.0kΩ.					
76#	SA4700C	66	2C	Z251	MP320	Ckt for signal processing in TV receivers;Vs 12V;Is 43mA max;Pd 400mW;BW 5.0MHz.					
77#	SAS560S	66	26	Z6651	16-48	Sw Ckt for 4 Chan Touch Tuning Sensors;Chan 1 Activated on Initial Turn-on;Pd 130mW Typ					
78#	SAS570S	66	26	Z6652	16-48	Sw Ckt for 4 Chan Touch Tuning Sensors;No Initial Turn-on Preference Ckt;Pd 130mW Typ					
79#	SBA550C	66	2C	Z251	16-6b	Ckt for signal processing in TV receivers;Vs 12V;Is 43mA max;Pd 400mW;BW 5.0MHz.					
80#	SL437	66				Complete TV Video/Sound I.F. System.					
81#	SL437C	66	16	Z252	24-1	Composite TV IF System;AGC For NPN;Vs 12V;Video Output 0 Carrier 7.0V;Sens 75uVt;Ri 8.0kΩ					
82#	SL437D	66	16	Z252	24-1	Composite TV IF System;AGC For PNP;Vs 12V;Video Output 0 Carrier 7.0V;Sens 75uVt;Ri 8.0kΩ					
83#	SL437F	66	16	Z252	24-1	Composite TV IF System;Vs 12V;Video Output Zero Carrier 6.0V;Sens 75uVt;Ri 8.0kΩ					
84#	SL451DG	66	16	Z584	16-3g	SW Mode Pwr Supply,Line Osc And Sync Sep;IS 60mAΔ;Freq Stability ±100Hz;Osc Period 64us					
85#	SL451DP	66	16	Z584	16-1c	SW Mode Pwr Supply,Line Osc And Sync Sep;IS 60mAΔ;Freq Stability ±100Hz;Osc Period 64us					
86#	SL456A	66	16	Z585	16-1c	Video IF And AGC;Tuner AGC NPN;AFC Carr Out;Vs 12V;IS 50mA;AGC Range 65dB*;Gain 96dBt					
87#	SL456B	66	16	Z585a	16-1c	Video IF And AGC;Tuner AGC PNP;AFC Carr Out;Vs 12V;IS 50mA;AGC Range 65dB*;Gain 96dBt					
88#	SL457A	66	16	Z585b	16-1c	Video IF And AGC;Tuner AGC NPN;Inv Video Out;Vs 12V;IS 50mA;AGC Range 65dB*;Gain 96dBt					
89#	SL457B	66	16	Z585c	16-1c	Video IF And AGC;Tuner AGC PNP;Inv Video Out;Vs 12V;IS 50mA;AGC Range 65dB*;Gain 96dBt					
90#	SL76544	66	16	Z592	16-1c	TV Line And Frame Processor;Vs 12V;Line Freq Supply Dependence 10Hz/V;Frame Freq 0.1Hz/V					
91#	TAA700	66	2C	Z126	MP330	TV Signal Processing Ckt;Vs 12V;Is 43mAΔ;Pd 400mW;Freq 5.0MHz*;Ri 2.7kΩ.					
92#	TAA700A	66	27	Z126	16-6	TV video processing circuit;Vs 16V;Pd 500mW;Ri 2.7kΩ.					
93#	TAA700B	66	07	Z230	16T2	TV Signal Processing Ckt;Vs 12V;Is 43mAΔ;Pd 400mW;Ri 2.7kΩ;BW 7.0MHz.					
94#	TAA930A	66	26	Z6901	14-16	Circuit For Sound IF Amp In TV Sets;Vs 15V;Vi 3.5V;Pd 300mW;Gr 60dB					
95#	TAA930B	66	26	Z6901	MP227a	Circuit For Sound IF Amp In TV Sets;Vs 15V;Vi 3.5V;Pd 300mW;Gr 60dB					
96#	TBA240	66	06	Z076	MP154	Television Automatic Line Synchronisation Circuit;Vsuppl. 5.5/12V;Pt 100mW.					
97#	TBA311A12	66	27	Z127	16-6	TV Video Processing Circuits;Vs 16V;Pd 500mW Ri 217kΩ.					
98#	TBA311A17	66	27	Z127	16-4	TV Video Processing Circuits;Vs 16V;Pd 500mW Ri 217kΩ.					
99#	TBA365	66	08	Z6603	CN19	TV Suto-Fine tuning ckt w/Wide band and DC Amps;Diff.Detector and Zener Dio. V.Reg.					
100	TBA550-6B	66	2C	Z148	16-3b	TV Signal Processing Circuit;Vs 12V;Is 25mAΔ;Pd 600mW;Gv 3.0V/Vt;Ri 2.7kΩt.					
101	TBA550-7H	66	2C	Z148	MP228	TV Signal Processing Circuit;Vs 12V;Is 25mAΔ;Pd 600mW;Gv 3.0V/Vt;Ri 2.7kΩt.					
102#	TBA550B	66	07	Z230	16-6b	TV Signal Processing Ckt;Vs 12V;Is 43mAΔ;Pd 400mW;Ri 2.7kΩ;BW 7.0MHz.					
103#	TBA631A51	66	17	Z159	14T2	TV Sound Section;Vs 18V;Pd 1.6W;Ro 100Ω;Total Harmonic Dist 1.8%.					
104	TBA950-2Q	66	06	Z6661	14-22a	TV Signal Processing Ckt;Osc Freq 15625Hz;Output Pulse Duration 28uSΔ;Is 45mAΔ					
105#	TCA880	66	06		16-12	IC for Vertical Deflection in TV;Volt 20V;IC 1.2A.					
106	TDA440Q	66	27	Z6632	16-5a	Video IF Amplifier for Color/BW TV;Pt 700mW;Vs 12V;Video BW 8.0MHz*;Ri 1.4kΩt					
107#	TDA1035	66	XF	Z6660	12T4	Sound Chan IC;Pd 4.0W;Vs 30V;Io 2.5A					
108#	TDA1052	66	05		16-13h	Video Amplifier;Vs 12V;Vi 3mV;Zi 1.0kΩ;Vo 3Vt;BW 8.0MHz*.					
109#	TDA1135	66	0E	Z66M	12T16	TV Sound Channel Ckt;Vs 24V;Pd 4.0WΔ;Gain 75dB;Ri 11kΩ;Freq Response 40kHz					
110	TDA1370	66	07	Z458	8-4b	Low Level Video Detector;Pd 625mWΔ;3dB BW Video Outp 12-3MHz.					

12. MISCELLANEOUS

IN ORDER OF (1) USE (2) TYPE No.

LINE No.	TYPE No.	U	T	C	E	O	M	D	P	E	DRAWINGS	OUT-LINE Δ=MO	GENERAL DESCRIPTION
1	TDA1352A	66	07	Z459	10116	TV Video IF Amp w/Gated AGC;Vi 10Vp-p;AGC Range 75dB;Pwr Gain 52dB.							
2	TDA1352B	66	07	Z459	14-6	TV Video IF Amp w/Gated AGC;Vi 10Vp-p;AGC Range 75dB;Pwr Gain 52dB.							
3#	uA143M	66	07			TV,Control of 7-Segment LED Digits;Displays 1-16;Input Code BCD 1;Input for Dark Switch							
4#	u264B	66	08			TV,1GHz Freq Divider for Freq Synthesizers;Supp Volt Rng 5.0V;Freq Rng 10Hz-1GHz							
5	uA1391PC	66	07		8-15	TV Horizontal Processor;Osc Pull In Range ±300Hz;Sawtooth Vin 3.0Vp-p							
6	uA1394PC	66	07		8-15	TV Horizontal Processor;Osc Pull In Range ±300Hz;Sawtooth Vin 3.0Vp-p							
7	uPC16C	66	27			TV Sound IF Amp;FM Detector;Vs 10V;Is 25mA;Pd 350mW;IF Gv 60dB*;THD 1.5%Δ							
8	uPC1937C	66			MPZ	COMMON B/W and COLOR TV Circuits;Remote Control Circuit Block;Rec;VCC 12V max							
9	uPC1986C	66			MPZ	COMMON B/W and COLOR TV Circuits;Remote Control Circuit Block;Trans;VCC 7.2V max							
10	uPC1987C	66			MPZ	COMMON B/W and COLOR TV Circuits;Remote Control Circuit Block;Rec;VCC 12V max							
11	ULN2165A	66	48	Z819	14-16b	TV Sound Chan;Reg Zener 10.3 To 12.2V;Is 16mA Typ;IF In Thresh 400uVmax;AF Out 7Vpp							
12	ULN2165N	66	48	Z8933	14-6b	Sound Channel for T.V.;Pd 850mW;Vi 3.0V;Is 50mA;Vo 7.0Vpp.							
13	ULN2225P	66	27	Z6646	12113	TV Sound Channel;VCC 18V;ICC 60mA;Po 1.5W;thd10%Δ							
14	ULN2297A	66	08	Z66K	16-56	Video IF and Det Generates Chroma,Video and Sync Sigs as Well as Delayed AGC Voltage							
15	XC1331P	66	07	Z367	14-18	Low-Level Video Detector;VS Range 10-16Vdc;IS 25mA typ;Ri 2.0kΩ typ;VO 6V(p-p) typ.							
16#	ZNA103E	66	5C	Z6649	24-2	Video Timing Generator;VCC 5V;IS 75mA;fclock 656.25kHz;tr 50ns max;Isink 1mA.							
17#	1385	67	27	Z67CI	MT10	COLOR TV VERTICAL DEFLECTION OUTPUT;Vcc 150VΔ;Vcc(Quiescent) 150VΔ;pd 2.7W†							
18#	11431	67	26	Z67CL	28-3	COLOR TV LUMINANCE-CHROMA SYSTEM;Secondary Diff Sharpness Cont DC;Contr Control;Vcc 12V							
19#	11436	67	26	Z67CK	28-3	COLOR TV LUMINANCE-CHROMA SYSTEM;w/Auto Flesh;Over Load Det;Chroma Amp;Color Sync							
20#	11440	67	27	Z67CJ	16-48	COLOR TV PICTURE IF SYS;PIF Amp;Quasi Sync Det;AFT w/Defeat Terminal;Vcc 12V;Icc 40mA†							
21#	AN223	67	27	Z67BI		Chroma Signal Processing Circuit;Vcc 14.4V Pd 965mW							
22#	AN224	67	27	Z67BJ		Chroma Signal Processing Circuit;Vcc 14.4V Pd 965mW;V-12dB/Vstd -0.5dB							
23#	AN225	67	27		TO116	Color TV Demodulator;Vs 24V;Is 18mA;Vo 14V;Ref.input res 2.0kΩ.							
24#	AN227	67	27		TO116	Color TV Demodulator;Vs 24V;Is 18mA;Vo 14V;Ref.input res 2.0kΩ.							
25#	AN228W	67	16		16-3	TV Video Signal Processing;VCC 12V;Pd 490mW							
26#	AN234	67	27		16-1	Color TV Chroma IF Amp;Vs 12V;Is 27mA;Gv 40db;Input res 2.1kΩ.							
27#	AN235	67	27		16-1	Color TV Chroma IF Amp;Vs 12V;Is 27mA;Gv 34db;Input Res 2.0kΩ.							
28#	AN237	67	27		TO116	Color TV Subcarrier Regenerator;Vs 12V;Is 27mA;ACC Sensitivity minus 230mV.							
29#	AN242	67	27		16-3	Color Demodulator Circuit for Color TV (Pt 490mW).							
30#	AN245	67	16		16-3	TV Video Signal Processing;VCC 12V;Pd 520mW							
31#	AN255	67	26	Z67F	16-18	TV Sound IF Amp;Detector;AF Output;Vcc 18V;Po 1.4W;THD 0.85%							
32#	AN279	67	26	Z67G		TV Video Jungle Combination;Vcc 14.4V;Pd 650mW;Itot 22.6mA							
33#	AN281	67	27	Z6775	16-1	TV PAL Color Demodulator;Vs 12V;Pt 510mW.							
34#	AN282	67	27	Z6776	16-1	TV PAL Color Demodulator;Vs 12V;Pt 490mW.							
35#	AN288	67	26		16-3	TV Color Processing Circuit;Vs 12V;Is 28mA;ACC;DC Color and Tint Control;Self Osc.							
36#	AN289	67	26		16-3	TV Color Processing Ckt;Vs 12V;Is 28mA;ACC;DC Color and Tint Cont;Crystal ringing Osc.							
37#	AN321	67	26	Z67H		TV Automatic Fine Tuning Combination;Vcc 14.4V;Pd 343mW;Gv 39dB							
38#	AN325	67	16		16-3	TV Automatic Fine Tuning;Tuning Indicator;VCC 12V;Pd 440mW							
39#	AN340	67	27	Z6777	TO116	TV Color Sound Channel Combination;VS 12V;Pt 445mW.							
40#	AN342	67	27		16-3	Color Demodulator Circuit for Color TV (Pt 490mW).							
41#	AN343	67	26		16-3	Color Demodulator Circuit for Color TV;Vs 12V;Output Ratio R:G:B - 100:30:106.							
42#	AN349	67	27	Z525	24-3	TV Color Video Jungle Combination;VS 12V;Pt 1.2W.							
43#	AN350	67	27	Z526	24-3	TV Color Video Jungle Combination;VS 12V;Pt 1.2W.							
44#	AN380	67	26	Z67I	24-2b	TV Tuning System Combination;Vcc 14.4V;Pd 440mW							
45#	AN387	67	27	Z67BM		Pal Switch Circuit; VCC 14.4V Pd 230mW							
46#	AN5610	67	27	Z67BG		PAL/SECAM Video Signal Processing Circuit;Vcc 14.4V,Icc 55mA,Pd 800mW							
47#	AN5630	67	27	Z67BG		SECAM Chroma Signal Processing Circuit;Vcc 14.4V,Icc 52mA,Pd 760mW							
48	CA3066	67	48	Z6734	16-5	TV Chroma System;Chroma Signal Processor;ΔVs 11V;Pd 600mW;Vi 11V.							
49	CA3066D	67	48	Z6734	16-3b	TV Chroma System;Chroma Signal Processor;ΔVs 11.2V;Pd 730mW.							
50	CA3066E	67	48	Z6734	16-2a	TV Chroma System;Chroma Signal Processor;ΔVs 11.2V;Pd 730mW.							
51	CA3067	67	48	Z6735	16-5	TV Chroma System;Chroma Demodulator;ΔVs 11V;Pd 600mW;Vi 3.5V.							
52	CA3067D	67	48	Z6735	16-3b	TV Chroma Demodulator;ΔVs 11.2V;Pd 730mW.							
53	CA3067E	67	48	Z6735	16-2a	TV Chroma Demodulator;ΔVs 11.2V;Pd 730mW.							
54	CA3121E	67	48		16-8	Chroma Amp/Demodulator;VS 30V;IS 44mA max;Sensitivity 15mVrms max.							
55	CA3128Q	67	48	Z6765	16-23	TV Chroma Processor;Pull-in Freq 500Hz;PAL Identification Output 1Vp-p.							
56#	HA67	67	25	Z67BE	16-7c	COLOR TV DEFLECTION SIGNAL PROCESSOR;Horiz DC Loop Gain 750Hz/ust;Iff (Vert) 16V absΔ							
57#	HA1152	67	28	Z6710	14-45	Video IF Amp;Vcc 12V,Icc 31mAmax;Pwr Gain 45dBmin;AGC Range 65dBmin;Vf Out 8.4Vpp Typ							
58#	HA11222	67	27	Z6712	28-3	Chroma Processing Sys;Pt 810mW;Vcc1 12V,Icc1 35mA Typ;Vcc2 18V,Icc2 2.1mA Typ							
59#	HA11580	67	28	Z6713	24-9a	Chroma Processing Sys;Pt 600mW;Vcc 12V,Icc 36mA Typ							
60	HEPC6057P-RT	67	07	Z190	TO116	Dual Doubly Balanced Chroma Demodulator;Pt 625mW;Vo 16VdcΔ;Iin 6.0mf.							
61	ITT3066	67	48	Z6734	16-5	TV Chroma System;Chroma Signal Processor;ΔVs 11V;Pd 600mW;Vi 11V.							
62	ITT3067	67	48	Z6735	16-5	TV Chroma System;Chroma Demodulator;ΔVs 11V;Pd 600mW;Vi 3.5V.							
63	ITT3701#1	67	48	Z456	14-23	2.0W TV Sound System;IF Sec AM Rejection 48dB*;Audio Sec THD 50%Δ.							
64	ITT3701#2	67	48	Z456	14T4	2.0W TV Sound System;IF Sec AM Rejection 40dB*;Audio Sec THD 50%Δ.							
65	ITT3707	67	06	Z6767		Chroma Processor;Vs 14V;Pd 730mW;Chroma Inp 2.1Vt;Chroma Outp 45mVt.							
66	ITT3710	67	07		MP470	TV Hor Processor for positive flyback Sawtooth;ST Inp 1.0Vp-p*;Outp 40VΔ.							
67	ITT3714	67	07		MP470	TV Hor Processor for negative flyback Sawtooth;ST Inp 1.0Vp-p*;Outp 40VΔ.							
68#	LA1366N	67	28	Z6794	16-1	Chroma Bandpass Amp/Signal Processor;VCC 18V;Volt Gain 65dB;Detector Out 1.0V;IS 24mAΔ							
69#	LA1367	67	28	Z636	16-1	Color Demodulator With Tint;VCC 18V							
70#	LA1373	67	28		14-12a	Color Bandpass Amp;Pt 500mW;V2 10-14V.							
71#	LA1374	67	28		16-1	Chroma Signal Processor;Pt 500mW;V2 10-14V;Thermal 95°.							
72#	LA1375	67	28		14-12a	Color Demodulator;V1 28V;Pt 500mW.							
73#	LA1376	67	28		14-12a	Color Demodulator with DC Output Regulator;V1 28V;Pt 500mW.							
74	LM746H	67	07	Z6701	CN10e	TV Chroma Demodulator;Zin 1.7kΩ;Vs 24V;Vo 14.5Vt;Pd 340mW.							
75	LM746NO1	67	07	Z6701	14-22a	Color Television Chroma Demodulator;VS 24V;RL 3.3kΩ;Pd 340mWt.							
76	LM746N	67	07	Z6701	14-50	Color Television Chroma Demodulator;VS 24V;RL 3.3kΩ;Pd 340mWt.							
77	LM746N-01	67	07	Z6701	14-22a	Color Television Chroma Demodulator;Vs 24V;RL 3.3kΩ;Pd 340mWt							
78	LM1829N	67	48	Z649	16-13c	TV Chroma Processor;Pd 600mW;Chroma In 2.7VΔ;Chroma Out 8.5VΔ;Subcarr Out 9VΔ							
79	LM1848N	67	07	Z67V	14-50	Chroma Demod;Vs 24V;Is 25.5mAΔ;Pd 430mWΔ;Revised Matrix in IC							
80	LM1888N	67	27	Z6729	20-3	TV Video Matrix D to A;PAL/NTSC Mode Select;R-Y 1.23Vt;B-Y 870mVt;Y 1.75Vt							
81	LM3066NO1	67	48	Z6734	16-5a	TV Chroma System Signal Processor;VS 11.2V;Quiescent Supply 33mA.							
82	LM3066N	67	48	Z6734	16-13c	TV Chroma System Signal Processor;VS 11.2V;Quiescent Supply 33mA.							
83	LM3067NO1	67	48	Z6735	16-5a	TV Chroma System Demodulator;VS 11.2V;Total Supply 33mA max.							
84	LM3067N	67	48	Z6735	16-13c	TV Chroma System Demodulator;VS 11.2V;Total Supply 33mA max.							
85	LM3070NO1	67	48	Z6742	16-5a	TV Chroma System Subcarrier Regenerator;VS 24V;Pd 550mW;IS 25.5mA.							
86	LM3070N	67	48	Z6742	16-13c	TV Chroma System Subcarrier Regenerator;VS 24V;Pd 550mW;IS 25.5mA.							
87	LM3071NO1	67	48	Z6736	14-22a	TV Chroma System IF Amp;VS 24V;Pd 550mW;IS 31mA.							
88	LM3071N	67	48	Z6736	14-4n	TV Chroma System IF Amp;VS 24V;Pd 550mW;IS 31mA.							
89	LM3072N	67	48	Z6737	14-4	TV Chroma System;Chroma Demodulator;ΔVs 24V;Pd 530mW;Vi 5.0V.							
90#	M5108P	67	27	Z141	14T1	Chroma Demodulator for NTSC color TV;Vs 24Vs.							
91#	M5167P	67	27	Z495	16-16b	TV Video IF Amplifier with AGC;VS 12V;Gain 58dB IFAGC;Forward and Reverse AGC.							
92#	M5168P	67	27	Z494	16-16b	TV Low Level Video Detector/Video Amplifier;VS 12V;Gc 20dB;Vo max 4.0Vp-p.							
93#	M5180P	67	27	Z185	14T3	Chroma Band-Pass Amp/Acc Amp;Vs 12V;Pd 380mW.							
94#	M5182P	67	27	Z186	14T3	Chroma Detector/APC/Oscillator;Vs 12V;Pd 80mW.							
95#	M5191P	67	27	Z246	14-2g	Chroma Demodulator for NTSC Color TV;Vs 24Vs;Is 22mA.							
96	MC1326P	67	07	Z077b	14-3c	Dual Doubly Balanced Chroma Demodulator with RGB Output Matrix;300mVp-p input sen.							
97	MC1326PQ	67	07	Z077b	14-13	Dual Doubly Balanced Chroma Demodulator with RGB Output Matrix;300mVp-p input sen.							
98	MC1328G	67	07	Z6702	TO100	Dual Doubly Balanced Chroma Demod;5.0V p-p out for 300mVp-p in;Vos out 600mV max.							
99	MC1328P	67	07	Z6702	14-3c	Dual Doubly Balanced Chroma Demod;5.0V p-p out for 300mV p-p in;Vos out 600mV max.							
100	MC1328PQ	67	07	Z6702	14-13	Dual Doubly Balanced Chroma Demod;5.0V p-p out for 300mV p-p in;Vos out 600mV max.							
101	MC1329P	67	07	Z6637	TO116	Monolithic Dual Doubly Bal.Chroma;Vs 30Vds max;Pd 625mW max;Min RL 2.2kΩ.							
102	MC1370P	67	07	Z6742	16-11	T.V.Chroma Subcarrier Regenerator;Pt 625mW;Vs 24V;Zin 2.1kΩ†.							
103	MC1371P	67	07	Z6744	14-18	T.V. Chroma IF Amp;Pt 625mW;Vs 24V;Zin 2.0kΩ†.							
104#	SAA1008	67	26	Z67AW	18-4	TV Character Generator;Vs 18V;For Use with SAA1130							
105#	SAA1024	67	16		16-1d	Thirty Channel Ultrasonic Xmit For Remote Controlled TV Receivers;Vss 300mV to -12V							
106#	SAA3000	67	26		18-4	IC Set for Picture Within A Picture;Vs 12-14V;Use W/UAA1000;625 Line Stds							
107#	SAA3001	67	26		18-4	IC Set for Picture Within A Picture;Vs 12-14V;Use W/UAA1000;525 Line Stds							
108#	SL432ACM	67	16	Z473	CN27b	Limiting IF Amp/FM Detector;Sensitivity 150uVrms;Distortion 1.0%†							
109#	SL432ADP	67	16	Z473a	14-4p	Limiting IF Amp/FM Detector;Sensitivity 150uVrms;Distortion 1.0%†							
110#	SL435C	67			24-1	Colour Demodulator;Vs 18V;Is 44mAΔ;Io 50Ω†.							

LINEAR

12. MISCELLANEOUS

IN ORDER OF (1) USE (2) TYPE No.

LINEAR

LINE No.	TYPE No.	USE	T O U E O M P E	DRAWINGS		GENERAL DESCRIPTION
				CKT.	OUT-LINE Δ=MO	
1#	SL436B	67			24-1	T.V. P.A.L. Colour Decoder.
2#	SL1327	67		Z587	14-4p	Double Balanced Chroma Demodulator;VS 24V;Chroma Ref Vin 3.4Vt;Detected Out 1.6V(G)
3#	TAA630	67	26	Z179	16-8a	Dual Synchronous Color TV Demodulator;Vs 12V;Pd 550mW;Input Imp 1.0kΩ.
4	TAA630-6B	67	48	Z149	16-3b	PAL Color TV Chroma Demodulator;Vs 12V;Is 40mA;Pd 550mW;Ro 100Ω;Color Diff.Gain 7.0V/Δ.
5	TAA630-7H	67	48	Z149	MP228	PAL Color TV Chroma Demodulator;Vs 12V;Is 40mA;Pd 550mW;Ro 100Ω;Color Diff.Gain 7.0V/Δ
6#	TAA630Q	67	26	Z179	16-9	Dual Synchronous Color TV Demodulator;Vs 12V;Pd 550mW;Input Imp 1.0kΩ.
7#	TBA560Q	67	06	Z6728	16-9	Luminance and Chrominance Control Ckt;Vs 12V;Is 24mA;Pd 330mW.
8#	TBA680	67	26		16-4a	Color TV RGB matrix and driver stage;VS 12V;Pd 600mW;Idrive 40mA max.
9	TCA270A	67	25		TO116	Synch Demodulator;VS 12V;Diff Gain 10%;Diff Phase 10°;CCIR System.
10	TCA270B	67	25		14-6	Synch Demodulator;VS 12V;Diff Gain 10%;Diff Phase 10°;CCIR System.
11#	TCA360	67	86	Z256	TO77	Delay Line, Transfer Switch for French Secam TV System.
12	TDA2531	67	26	Z67J	16-13c	R G B Matrix Preamplifiers with Clamps;Emitter Drive Ckt;Vs 12V;Gain 100t;Ri 100kΩ*
13	TDA2531Q	67	26	Z67J	16-5a	R G B Matrix Preamplifiers with Clamps;Emitter Drive Ckt;Vs 12V;Gain 100t;Ri 100kΩ*
14#	TDA2590Q	67	26	Z6764	16-9	Line Oscillator Combination;VS 12V;Is 30mA;Syn Sep Vi 3.0Vp-p;Noise Sep Vi 3.0Vp-p
15#	UAA1000	67	26		16-55	Analog Memory IC;Use W/SAA3000,SAA3001,Vs 19 to 21V;Input Signal Freq 1.0MHz
16	ULN2114A	67	48	Z67L	14-16b	Chroma Demodulator;Pd 670mW;Vi Chroma 3.2V;Vi Ref 5.8V;lcc 25.5mA;TC -2.0mV/°C
17	ULN2114K	67	48	Z67M	TO100	Chroma Demodulator;Pd 670mW;Vi Chroma 3.2V;Vi Ref 5.8V;lcc 25.5mA;TC -2.0mV/°C
18	ULN2114N	67	48	Z018a	14-13c	Chroma Demodulator;Pd 670mW;Vi Chroma 3.2V;Vi Ref 5.8V;lcc 25.5mA;TC -2.0mV/°C
19	ULN2114W	67	48	Z67M	CN41	Chroma Demodulator;Pd 670mW;Vi Chroma 3.2V;Vi Ref 5.8V;lcc 25.5mA;TC -2.0mV/°C
20	ULN2127N	67	48	Z155	14-6b	Chroma Amplifier;Vs 24V;Pd 530mW;Current Drain 24mA;Vi 100mV.
21	ULN2218A	67			14-57	TV Chroma Processor;14 Pin DIP
22	ULN2268A	67	48	Z67AQ	16-56	TV Chroma Subcarr Regen SYS W/Linear DC Hue Control,PLL Osc,Keyed APC/ACC Detectors
23	XC1323	67		Z6766	16-11a	Triple Doubly Balanced Chroma Demod;Chroma Sensitivity 350mVp-pt;Input for 5Vp-p output.
24#	AN244	68	27		TO116	Dual Preamp. for Audio Amplifier (Pt 200mW).
25#	AN294	68	27	Z6875		Deflection Signal Processing Circuit;VCC1 12V,VCC2 10V, Pd 200mW
26#	AN5430	68	27	Z6876		Deflection Signal Processing Circuit;Vcc1 12V,Vcc2 14.4V,Pd 470mW
27#	AN6320	68	27	Z6879		Head Amplifier,Vcc 14.4V,Pd 530mW
28#	HA11122W	68	27	Z6802	16-48	Stereo Cassette Deck Sys;Vcc 12V;Io 16mA;Gv:40dB Line,37dB Record,2.5dB Headphone Ampl
29#	HA11219	68	37	Z6803	16-48	Noise Suppressor for FM Rec;Used bet Det and Stereo Demod;Noise Suppression 40dB Typ
30#	HA11223	68	27	Z6804	16-48	PLL FM Stereo Demod;Pt 500mW;Vcc 13V;Io 17mA;Vin 1.2Vmax,Vout 240mV Typ;Chan Sep 35dBmin
31#	M5111AP	68	27	Z090	14-2j	Dual Preamplifier for Car Stereo;Gv 55db*
32#	M51304L	68	17		MP442	Microphone Amp;Detector,AGC,Vo(af)400mVrms Typ;THD 1% Typ
33	MC1313P	68	48		TO116	Four Channel SQ Decoder.
34	MC1339P	68	48	Z236	TO116	Dual Low-Noise Stereo Preamplifier;Pt 625mW;Vs 12V;Zin 250kΩt.
35	MCH5890	68	0C		MP146	Microwave Solid-State Duplexer;Input Capability 40W;Freq. 400MHz*;IF 100mA.
36	MFC8000P	68	17	Z053	8-2	Dual Differential (Stereo Input) Amplifier;Vs 40V;Pd 1.0W.
37	MFC8001P	68	17	Z053	8-2	Dual Differential (Stereo Input) Amplifier;Vs 50V;Pd 1.0W.
38	MFC8002P	68	17	Z053	8-2	Dual Differential (Stereo Input) Amplifier;Vs 60V;Pd 1.0W.
39	R1AA	68		Z266	FCZ	Stereo Preamplifier;Unity Gain Bandwidth 2.5MHz;VCC ±15VDC;Quiescent Cur.Drain 3.5mA.
40	TAA640-6A	68	48	Z147	14-2v	TV/FM Sound System;Vs 32V;Pd 500mW;Is 40mA;IF Gv 70dB*;Dist 5.0% Δ.
41	TAA640-7F	68	48	Z147	MP226	TV/FM Sound System;Vs 32V;Pd 500mW;Is 40mA;IF Gv 70dB*;Dist 5.0% Δ.
42#	TAA970	68	37	Z6824	TO74	Microphone Amp;Is 100mA max;Gv 150;Output Imp 60Ω;Pd 700mW.
43#	TBA490	68	28	Z223	16-8b	Stereo-Decoder-Switch;Vs 16V;Input Res 22kΩ;Pd 360mW.
44#	TCA490A	68	07	Z6827	14-4m	Dual Op-Amp and Stereo Pre-Amp;Vs 36V;Ptot 400mW;F 6dB;Vn(rms) 4uV.
45#	TCA490B	68	07	Z6827	14-4m	Dual Op-Amp and Stereo Pre-Amp;Vs 36V;Ptot 400mW;F 3dB;Vn(rms) 2.5uV.
46#	TCA490C	68	07	Z6827	14-4m	Dual Op-Amp and Stereo Pre-Amp;Vs 36V;Ptot 400mW;F 1.5dB;Vn(rms) 1.25uV.
47#	TCA730	68	26	Z6837	16-4a	DC Volume and Balance Control Ckt;VS 15V;Dist. 1% at 1.0V;Vi 1.0V;Ri 250kΩ.
48#	TCA4510A	68	28	Z6872	18-7	Stereo Decoder;Decodes Xmitter Side Stereo Information in Both L and R Channels
49	ULN2129A	68	48	Z6855	14-12a	Sound Channel for F-M Receiver;Pd 760mW;Vs 12.5V;Is 10mA;Gv 21dB.
50	ULN2129N	68	48	Z156	14-6b	Sound Channel for F-M Receiver;Pd 760mW;Vs 12.5V;Is 10mA;Gv 21dB.
51	3089PC	69		Z6935	16-3f	FM IF Lim Detector Audio Preamp;Pd 600mW;VS 16V;AM Rejection 55dB;THD 1.0% Δ.
52#	AN203	69	27	Z69C		FM-AM IF Amplifier;Vcc 13.5V,Pd 200mW
53#	AN206	69	26		TO116	IF Amp-Limiter,FM radio detector,Audio pre-amplifier transistor;Pt 375mW.
54#	AN219	69	27	Z306		FM Tuner System;Pt 200mW;Vo(FM) 15mVt.
55#	AN260P	69	17	Z6946	14-16c	FM/AM IF Amp;VCC 8.2V;Pd 400mW;Vo 10mV(AM),13mV(FM)
56#	AN277	69	27	Z6947	16-3	AM/FM IF Amp AM RF Conv.
57#	AN366	69	16		16-3	FM/AM-IF Amp And AM Converter;VCC 8V;Pd 400mW;Vo 6(AM),7(FM)mV
58#	AN5120	69	27	Z69G		Video IF Amp Detector IF AGC,RF AGC Circuit;Vcc 13.8V;lcc 80mA,Pd 1100mW
59	CA3075D	69	48	Z6905	TO116	FM IF Amplifier-Limiter, Detector, Audio Preamp;VS 12V;Pd 670mW.
60	CA3075E	69	48	Z6905	16-8f	FM IF Amplifier-Limiter, Detector, Audio Preamp;VS 12V;Pd 670mW.
61#	HA11120	69	37	Z6918	18-8	FM/AM Tuner for Car Radio;Pt 420mW;Vcc 7.0V;Io 33mA;AF Out 350mV FM,180mV AM
62#	HA11123	69	27	Z6919	18-8	FM/AM Rec Sys;AM Rejection 55dB Typ;Vcc 5.5V;Io 25mA;AF Out 450mV FM,100mV AM
63	ITT3065	69	48	Z5903	14-6	IF Amp-Limiter;FM Detector,Electronic Attenuator,Audio Driver;Ro 270Ω;Ri 70kΩ.
64#	LD1231	69	27	Z6968	16-1	FM-IF System;Vcc 12V,lcc 33mA;Vo 460mVrms,S/N 72dB*;THD 0.3%;Vi 31dBu max
65#	LM1120	69	27	Z388	MP415a	Wireless Microphone RF Amp;Osc;VCC 3V;Pd 100mW;Vo 320mVt;fd 25kHz;t;Af 100kHzt.
66	LM173H	69	5C		CN10e	AM/FM/SSB IF AMP and DETECTOR;Sens 10uV at 455kHz;BW 30MHz.
67	LM173N	69	5C		14-4	AM/FM/SSB IF AMP and DETECTOR;Sens 10uV at 455kHz;BW 30MHz.
68	LM174H	69	5C		CN10e	AM/FM/SSB IF VIDEO AMP and DETECTOR;Ps 20mA;AGC Range 70db.
69	LM174N	69	5C		14-4	AM/FM/SSB IF VIDEO AMP and DETECTOR;Ps 20mA;AGC Rnage 70db.
70	LM273H	69	2A	Z6942	CN17j	AM/FM/SSB IF AMP/DETECTOR;Vs 18V;Sens 30uVrms;AGC Thresh 300uVrms.
71	LM274H	69	2A	Z6942	CN17j	AM/FM/SSB IF VIDEO AMP/DETECTOR;Vs 18V;Sens 30uVrms;AGC Thresh 300uVrms.
72	LM373H	69	07	Z6942	CN17j	AM/FM/SSB IF AMP/DETECTOR;Vs 18V;Sens 30uVrms;AGC Thresh 300uVrms.
73	LM373N	69	07	Z6942	14-4n	AM/FM/SSB IF AMP/DETECTOR;Vs 18V;Sens 30uVrms;AGC Thresh 300uVrms.
74	LM374H	69	07	Z6942	CN17j	AM/FM/SSB IF VIDEO AMP/DETECTOR;Vs 18V;Sens 30uVrms;AGC Thresh 300uVrms.
75	LM374N	69	07	Z6942	14-4n	AM/FM/SSB IF VIDEO AMP/DETECTOR;Vs 18V;Sens 30uVrms;AGC Thresh 300uVrms.
76	LM1860N	69		Z6928	22-8	AM/CB Receiver System;Vcc 12.8V;Audio Out 6.0Vt;SNR 52dBt;Sensitivity 7.0uVt
77	LM3065NO1	69	48	Z5903	14-22a	TV Sound System;IF AMP LIMITER;FM DETECTOR;ELECTRONIC ATTENUATOR;AUDIO DRIVER.
78	LM3065N	69	48	Z5903	14-4n	TV Sound System;IF AMP LIMITER;FM DETECTOR;ELECTRONIC ATTENUATOR;AUDIO DRIVER.
79	LM3075N	69	48	Z6905	14-50	FM Detector/Limiter and Audio Preamp;Vs 12.5V;Pd 362mW;Is 29mA
80	LM3089	69		Z646		FM Receiver IF System;12uVt Limiting 3dB Sensitivity;Audio Out 400mVt;Dist 0.1%
81	MC1307P	69	07	Z7002	TO116	FM Multiplex Stereo Demodulator;Vs 22V;Pd 625mW;Ri 20kΩ;THD 500m%.
82	MC1355PQ	69	07	Z6903	14-13	Limiting FM/IF Amplifier; ΔVS 15V; Pt 625mW; IO 5.0mA.
83	MC1357PQ	69	07	Z5904	14-13	IF Amplifier and Quadrature detector; PD 625mW; Sup Volt 16V.
84#	MT172	69	5C	CO05	CN1c	AM IF Strip;AGC Range 69dbt;AGC Threshold 50uVrms;t;Freq 2.0MHz;t.
85#	MT272	69	27	CO05	CN1c	AM IF Strip;AGC Range 60dbt;AGC Threshold 50uVrms;t;Freq 2.0MHz;t.
86#	MT372	69	07	CO05	CN1c	AM IF Strip;AGC Range 60dbt;AGC Threshold 50uVrms;t;Freq 2.0MHz;t.
87#	MT373	69	07	Z7513	CN10e	AM/FM/SSB IF Strip;VS 15V;AGC Threshold 30uVrms;t;Audio Outp 500mVp-pt.
88	PTC725-RT	69	48		MPZ	FM Gain Block;VCC 16V max;ICC 22mA max;Pd 850mW max.
89#	SAA1050	69	16	Z59AJ	24-5	Remote Control Trans;Vs 6.0 to 9.0V;Io 10mA;Oscill Freq 160 to 220kHz;Use W/SAA1051
90#	SAA1051	69	26	Z59AK	24-5	Remote Control Receiver;Vs 16.5 to 19.5V;Io 5mA;Oscill Freq 4.43MHz;Use W/SAA1050
91#	SAA1071	69	26	Z59AL	18-4	Adapter For SAA1051(Recr);Processes Serial Information and Supplies it in Parallel Form
92#	SBA750AE	69	27	Z6630	16-3c	5 Stage Limiting I.F.Amp/F.M.Detector;Vs 25V max;Supply Cur. 23mA.
93#	SBA750AQ	69	27	Z6630	16-6b	5 Stage Limiting I.F.Amp/F.M.Detector;Vs 25V max;Supply Cur. 23mA.
94#	SL660	69	07	Z785	18-5	FM IF Amp,Detector and Squelch;1st IF BW 25MHz;VS 9.0V;Pd 18mW;Ring 120dB;t;THD 3.0% Δ
95	TAA350	69	20	Z024	CN27	IF/FM Detector Amp;t 20mA;VO 20mV;F 5.5MHz;Pt 400mW.
96	TAA380	69	26	Z023	CN27	Wideband Amp/Limiter/Discriminator/for FM receiver with 10.7MHz I.F.
97	TAA450	69	26	Z020	CN27	IF Amp/Demodulator/AF Preamp and dc control of a-f gain for FM receivers.
98	TAA570	69	2C	Z021	CN27	Four stage limiter-amp with FM detector;Vp 12V, fo-5.5MHz.
99#	TAA840	69	25	Z070	14-4b	A.M.Radio Ckt(IF.Amp;Mixer-OSC;I.F.AMP;A.G.C.;Detector;Audio-Pre Amp;Driver) VS 6.0V.
100	TAD100	69	16	Z019	14-2j	Mixer/Oscillator/AGC/Detector/Audio preamp stages for AM receivers with 10.7MHz.
101#	TBA120	69	17	Z6989	14-4q	FM IF Amplifier and Demodulator;Vcc 12V;Pd 246mW Ques.;Gain 50dB Min at 5.5MHz
102	TBA120SII	69	17	Z6959	14-50	IF Amplifier and Detector;Vcc 12V;R5-Gnd 1.9-2.2kΩ;IF Voltage Gain 68dB;t;AM Rej 50dB*
103	TBA120SIII	69	17	Z6959	14-50	IF Amplifier and Detector;Vcc 12V;R5-Gnd 2.1-2.5kΩ;IF Voltage Gain 68dB;t;AM Rej 50dB*
104	TBA120SIV	69	17	Z6959	14-50	IF Amplifier and Detector;Vcc 12V;R5-Gnd 2.4-2.9kΩ;IF Voltage Gain 68dB;t;AM Rej 50dB*
105#	TBA120SQ	69	17	Z324	MPZ	FM-IF Amplifier w/Demodulator;VS 12V;IF Imp 68dB;Pd 400mW;NF 75dB.
106	TBA120SQII	69	17	Z6959	14-22a	IF Amplifier and Detector;Vcc 12V;R5-Gnd 1.9-2.2kΩ;IF Voltage Gain 68dB;t;AM Rej 50dB*
107	TBA120SQIII	69	17	Z6959	14-22a	IF Amplifier and Detector;Vcc 12V;R5-Gnd 2.1-2.5kΩ;IF Voltage Gain 68dB;t;AM Rej 50dB*
108	TBA120SQIV	69	17	Z6959	14-22a	IF Amplifier and Detector;Vcc 12V;R5-Gnd 2.4-2.9kΩ;IF Voltage Gain 68dB;t;AM Rej 50dB*
109	TBA120SQV	69	17	Z6959	14-22a	IF Amplifier and Detector;Vcc 12V;R5-Gnd 2.8-3.3kΩ;IF Voltage Gain 68dB;t;AM Rej 50dB*
110	TBA120SV	69	17	Z6959	14-50	IF Amplifier and Detector;Vcc 12V;R5-Gnd 2.8-3.3kΩ;IF Voltage Gain 68dB;t;AM Rej 50dB*

12. MISCELLANEOUS

IN ORDER OF (1) USE (2) TYPE No.

LINE No.	TYPE No.	U	T	C	E	O	D	DRAWINGS		GENERAL DESCRIPTION
								CKT.	OUT-LINE Δ=MO	
1	TBA120u0	69	17					Z6957	14-22	FM IF AMP AND DEMODULATOR;Vs 12V;17.5mAΔ;Optimized for Inductive Tuning
2#	TBA581AX2	69	07							FM detector and limiter;Vs 15V;AM rejection 45dB;limiting voltage 100uV.
3#	TBA591AX2	69	07							FM detector and limiter;Vs 15V;AM rejection 45dB;output swing 3.8Vrms.
4#	TBA690	69	24					Z6938	16-8a	Receiver Circuit/AM and FM reception/I.F.amp-A.F.preamp;A.F.Po 600mW;Vs 6.0V.
5#	TBA700	69	25					Z6939	16-4a	Receiver Circuit/AM and FM reception/I.F.amp/A.F.output of 1.0W;VS 9.0V.
6#	TBA750	69	25						16-8a	FM Limiter amp/Quadrature Detector and AF amp;freq 4.5/5.5/10.7MHz;Vs 12V;Gv 7.0dB.
7#	TBA780	69	48					Z5903	14-6	IF Amp-Limiter;FM Detector, Electronic Alternator, Audio Driver;Ro 270Ω;Ri 70kΩ.
8#	TCA420	69	28						16-12	IF/FM Discriminator/Amplifier;Pt 720mW;Vs 18V max;Is 40mA;Gain 65db;NF 60db min.
9#	TCA420A	69	28					Z6949	16-9	I.F.Amp for Hi-Fi;Vs 15V;fo 10.7MHz;Ptot 720mWΔ.
10#	TDA1043	69	2A					Z487	12T4	Sound Amplifier with FM-IF Stage;AF pre and output stage.
11	uA721	69						Z6970		AM/FM IF Subsystem;Op Voltage Range 3.5V To 16V
12	ULN2111N	69	08					Z6901	14-6b	FM Detector and Limiter;Pd 300mWΔ;Vs 12V;Freq 4.5MHz;Gv 58db;Vi 3.5V.
13	ULN2113N	69	08					Z6932	14-6b	FM Detector and Limiter;Pd 300mWΔ;Vs 8.2V;Freq 4.5MHz;Gv 58db;Vi 3.5V.
14	ULN2131M	69	38					Z243	8-1b	FM Limiter Amp;Pd 400mW;Vs 12V;Freq 10.7MHz;In/Out 330Ω/7.0pF.
15	ULN2208M	69	27					Z372	8-1b	I-F Gain Block w/Volt Regulator;Pd 400mWΔ;Vs 12V;Freq 10.7MHz;Is 25mAΔ;Gv 35db.
16	ULN2287A	69	48						16-1h	Used w/Low-Output Level Tuners;IF Sys Has Delayed AGC;Oper Volt Range 8.5-16V
17#	AN211	70	27					Z7010	TO116	Stereo Demodulator;Pd 250mW;Chan.Bal.2.0dB.
18#	AN258	70	27					Z304	TO116	FM Stereo Muting System.
19#	AN271	70	27					Z7010	16-3b	Chan Bal 1.5db;Vt 12V;Pd 340mW.
20#	AN362	70	16						16-3	FM Stereo Multiplex Demodulator;VCC 9V;Pd 600mW;Vo 160mV;THD 1%
21#	AN363	70	17					Z7015	16-42	FM Stereo Multiplex Demodulator;Vcc 12V;Pd 570mW;Ch. Sep. 53db;THD .040%
22	CA3090Q	70	48					Z7004	16-5	Stereo Multiplex Decoder;VS 16V;Ri 50kΩ;Volt Differential 100mVΔ;Dist 350m%.
23	HEPC6065P-RT	70							TO116	FM Multiplex Stereo Demodulator.
24#	LA3300	70	27					Z7008	14-12a	FM Stereo Demodul;VCC 5.5-12V;Pd .5W;Zi 20kΩ;THD 0.5%;Vo 70mV;Chan.Bal 0.2dB;Sep 35dbmin
25#	LA3310	70	27					Z386	16-1	FM Stereo Demodul;VCC 9.0V;THD 1.5% max;Vo .4V max;Chan.Bal 2.0dbmax;SCA55db;Sep 35dbmin
26	MC1304P	70	07					Z7001	TO116	FM Multiplex Stereo Demodulators;Pd 150mW;THD 1.0%Δ;Zin 12kΩ*;Chan.Bal. 500mdBt.
27	MC1305P	70	07					Z031	TO116	FM Multiplex Stereo Demodulators;Pd 150mW;THD 1.0%Δ;Zin 12kΩ*;Chan.Bal. 500mdBt.
28	MC1307PQ	70	07					Z7002	14-13	Stereo Demodulator;VS 22V;Pd 140mW;Ri 20kΩ;Distortion .5%.
29	SN76110N	70	07					Z7003	14-4h	Stereo Demodulator;THD .3%;Zin 20kΩ;VCC 14VΔ;Pd 625mWΔ.
30#	TCA920	70	38					Z332	16-4a	Stereo Multiplex Decoder;Vs 15V;Multiplex Inp Sign 1.0VΔ;Ri 50kΩ*;Dist.factor .20%.
31#	TDA1055	70	26						16-15a	PLL-Stereo-Decoder w/Control for variable basis width between 2 channels.
32	uPC587C2	70						MPZ		FM MULTIPLEXER; Car/Home Stereo Set; Vs 7-15V; Icc 18mA max
33	uPC1173CZ	70						MPZ		FM MULTIPLEXER; Home Stereo Set; Vs 9-15V; Icc 24mA max
34	ULN1210A	70	27					Z7001	14-2w	Stereo Demodulator;Pd 180mW;THD .5%;Rin 15kΩ*;Separation 45dBt 1kHz.
35	ULN1210N	70	27					Z7001	14-6b	Stereo Demodulator;Pd 180mW;THD .5%;Rin 15kΩ*;Separation 45dBt at 1kHz.
36	ULN1211A	70	27					Z132	14-2w	Stereo Demodulator;Pd 180mW;THD .5%;Rin 20kΩ;Vs 12Vt.
37	ULN1212N	70	27					Z132	14-6b	Stereo Demodulator;Pd 180mW;THD .5%;Rin 20kΩ;Vs 12Vt.
38	ULN1212A	70	27					Z031	14-2w	Stereo Demodulator;Pd 180mW;THD .5%;Rin 15kΩ*;Separation 45dBt at 1kHz.
39	ULN1212N	70	27					Z031	14-6b	Stereo Demodulator;Pd 180mW;THD .5%;Rin 15kΩ*;Separation 45dBt at 1kHz.
40	ULN1218A	70	27					Z7002	14-2w	Stereo Demodulator;Pd 180mW;THD .5%;Rin 20kΩ;Vs 12Vt.
41	ULN1218N	70	27					Z7002	14-6b	Stereo Demodulator;Pd 180mW;THD .5%;Rin 20kΩ;Vs 12Vt.
42	XR1310EP	70	48					Z439	16-16a	Stereo Demodulator with Emitter follower output;Vs 16VΔ;Lamp cur 100mA;Dist .3%;Ri 50kΩ.
43	XR1310P	70	48					Z7007		Stereo Demodulator;Vs 14VΔ;Lamp Current 75mAΔ;Pd 625mWΔ;Distortion .3%;Ri 50kΩ.
44	XR1800P	70	48					Z439	16-16a	Stereo Demodulator;Vs 18VΔ;Lamp Cur 100mA;Pd 625mW;Ri 50kΩ;Output 1.5Vrms.
45#	AN610	71	27					Z7116	TO116	Balanced Modulator;Vt 12V;Pd 400mW.
46	LM1304N01	71	07					Z7001	14-22a	FM Multiplex Stereo Dem;Vs 22V;Pd 625mW;Ri 20kΩ;THD 500m%.
47	LM1304N	71	07					Z7001	14-4n	FM Multiplex Stereo Dem;Vs 22V;Pd 625mW;Ri 20kΩ;THD 500m%.
48	LM1305N01	71	07					Z031	14-22a	FM Multiplex Stereo Dem;Vs 22V;Pd 625mW;Ri 20kΩ;THD 500m%.
49	LM1305N	71	07					Z031	14-4n	FM Multiplex Stereo Dem;Vs 22V;Pd 625mW;Ri 20kΩ;THD 500m%.
50	LM1307EN01	71	07					Z132	14-22a	FM Multiplex Stereo Dem;Vs 22V;Pd 625mW;Ri 20kΩ;THD 500m%.
51	LM1307EN	71	07					Z132	14-4n	FM Multiplex Stereo Dem;Vs 22V;Pd 625mW;Ri 20kΩ;THD 500m%.
52	LM1307N01	71	07					Z060	14-22a	FM Multiplex Stereo Dem;Vs 22V;Pd 625mW;Ri 20kΩ;THD 500m%.
53	LM1307N	71	07					Z060	14-4n	FM Multiplex Stereo Dem;Vs 22V;Pd 625mW;Ri 20kΩ;THD 500m%.
54	LM1310EN01	71	07						14-22	FM Stereo Demodulator;Emitter Follower Outputs.
55	LM1310EN	71	07						14-4	FM Stereo Demodulator;Emitter Follower Outputs.
56	LM1310N01	71	07						14-22	FM Stereo Demodulator;ΔVs 10V-24V;Separation 40db;Lamp Driver 100mA.
57	LM1496J	71	07					Z7109	14-20b	Double Balanced Mod/Demod;Pd 33mW;Input Res 200kΩ;Carrier Suppression 50dB* at 10MHz
58	LM1596J	71	5C					Z7109	14-20b	Double Balanced Mod/Demod;Pd 33mW;Input Res 200kΩ;Carrier Suppression 50dB* at 10MHz
59	LM1823N	71	46					Z7110	16-13c	Analog FDM Modem,6V Batt Operation;Transmitter IC,Ringing Ckt Included
60	LM1826N	71	46					Z7110	18-3	Analog FDM Modem,6V Batt Operation;Receiver IC,Ringing Ckt Included
61	LS1496#1	71	07					Z7108	CN17	Balanced Modulator/Demod;ΔVs 20;Pd 33mW;Vo 8.0Vt;Carr Supp 65dBt.
62	LS1496#2	71	07					Z7108	14-10b	Balanced Modulator/Demod;ΔVs 20;Pd 33mW;Vo 8.0Vt;Carr Supp 65dBt.
63	LS1596#1	71	5C					Z7108	CN17	Balanced Modulator/Demod;ΔVs 20;Pd 33mW;Vo 8.0Vt;Carr Supp 65dBt.
64	LS1596#2	71	5C					Z7108	14-10b	Balanced Modulator/Demod;ΔVs 20;Pd 33mW;Vo 8.0Vt;Carr Supp 65dBt.
65	MC1496#1	71	07					Z7108	CN17	Balanced Modulator/Demod;ΔVs 20;Pd 33mW;Vo 8.0Vt;Carr Supp 65dBt.
66	MC1496#2	71	07					Z7108	14-10b	Balanced Modulator/Demod;ΔVs 20;Pd 33mW;Vo 8.0Vt;Carr Supp 65dBt.
67	MC1596#1	71	5C					Z7108	CN17	Balanced Modulator/Demod;ΔVs 20;Pd 33mW;Vo 8.0Vt;Carr Supp 65dBt.
68	MC1596#2	71	5C					Z7108	14-10b	Balanced Modulator/Demod;ΔVs 20;Pd 33mW;Vo 8.0Vt;Carr Supp 65dBt.
69	S5596T	71	07						TO99	Balanced Modulator/Demodulator;ΔVs 20 Pd .33mW;Vo 8.0V.
70#	SL1001A	71	2C					Z259	TO100	Double balanced Modulator;Vs 15V;Is 8.0mA;Io 3.5mA peak;Ro 12Ω.
71#	SL1001B	71	2C					Z259	TO100	Double balanced Modulator;Vs 15V;Is 4.0mA;Io 2.0mA peak;Ro 25Ω.
72#	TCA240	71	27					Z7112	16-4a	Dual Bal Mod/Demod w/Matched Charact;Pd 500mW;Vs 10V;Freq Response 34MHz at Is 5mA
73#	TCA820	71	18						TO74	Balanced Frequency Modulator-Demodulator;ΔVS 20V;Pd 250mW.
74#	TH-D2-2A	71	5C					Z583	CN35	Hybrid Suppressed Carrier Synchronous Demodulator;Vs 40V;Pd 500mWΔ;Vos ±20mVΔ.
75#	TH-D2-2AA	71	5C					Z583	CN35	Hybrid Suppressed Carrier Synchronous Demodulator;Vs 40V;Pd 500mWΔ;Vos ±10mVΔ.
76#	TH-D2-2B	71	5C					Z583	CN35	Hybrid Suppressed Carrier Synchronous Demodulator;Vs 40V;Pd 500mWΔ;Vos ±35mVΔ.
77	uA748DC	71	07					Z8701	14-31b	Chroma Demodulator;Pd 430mWΔ;VS 28VΔ;IS 12.5mAΔ.
78	uA786DC	71	48					Z320	16-3b	Synchronous TV Chroma Demodulator.
79	uA786PC	71	48					Z320	16-2a	Synchronous TV Chroma Demodulator.
80#	ZQT20	71	7F					Z056	CN23	Dual transistor Demodulator consists of planar two-pole bidirectional switches;Pd 350mW.
81#	ZQT21	71	7F					Z056	CN23	Dual transistor Demodulator consists of planar two-pole bidirectional switches;Pd 350mW.
82#	AN320	72	27					Z7203	18-1	TV Color Tuning System Combination;VS 22VΔ;Is 20mA;Pt 640mW.
83#	AN326	72	18						16-3	TV Automatic Fine Tuning;VCC 12V;Pd 290mW;Gv 27dB
84	MC1384G	72	48					Z6603	CN19	Automatic Frequency Control;Pt 880mW;ΔVi 12V;Total Supply I 12mA
85#	TCA890	72	08					Z490	14-4	AFT with Auto Muting during tuning and incorporated 30V Reference Voltage for TV Sets.
86	LA170H	73	5C					C004	TO5	AGC/Squelch Amp; VS 24V; GV 37db*; Vi ± 19V; Bias Current 10uAΔ.
87	LA270H	73	27					C004	TO5	AGC/Squelch Amp; VS 24V; GV 37db*; Vi ± 19V; Bias Current 10uAΔ.
88	LA370H	73	07					C004	TO5	AGC/Squelch Amp. VS 24V;GV 37db*;Vi ± 19V;Bias current 12uAΔ.
89	LM170S	73	07					C004	CN17	AGC/Squelch Amp;Δ Vo Shift ±1V;Gv Vs Control V 30dB at 2.2V-30dB at 2.5V.
90	LM170HS	73	5C					C004	CN17j	AGC/Squelch Sys;VS 24V;AV 37.5dB*;Vi ±19V;Bias current 10uA max.
91	LM270S	73	5C					C004	CN17	AGC/Squelch Amp;Δ Vo Shift ±500mV;Gv Vs Control V 30dB at 2.2V-30dB at 2.5V.
92	LM270HS	73	27					C004	CN17j	AGC/Squelch Sys;VS 24V;AV 37.5dB*;Vi ±19V;Bias current 10uA max.
93	LM370S	73	27					C004	CN17	AGC/Squelch Amp;Δ Vo Shift ±200mV;Gv Vs Control V 30dB at 2.2V-30dB at 2.5V.
94	LM370HS	73	07					C004	CN17j	AGC/Squelch Sys;VS 24V;AV 35dB*;Vi ±19V;Bias current 12uA max.
95	LM370NS	73	07					C004	14-4n	AGC/Squelch Sys;VS 24V;AV 35dB*;Vi ±19V;Bias current 12uA max.
96	LS170	73	5C					Z217	CN17	AGC/Squelch/VOX Amp;Vs 24Δ;IPS 13.5mA;AV 37.5dB*.
97	LS270	73	27					Z217	CN17	AGC/Squelch/VOX Amp;Vs 24Δ;IPS 13.5mA;AV 37.5dB*.
98	LS370	73	07					Z217	CN17	AGC/Squelch/VOX Amp;Vs 24Δ;IPS 13.5mA;AV 35dB*.
99#	MT170	73	5C					Z151	CN10c	AGC/Squelch Amp;Gv 37.5db*;DC Output Shift 200mVΔ;Vo 6.0Vt.
100#	MT270	73	27					Z151	CN10c	AGC/Squelch Amp;Gv 37.5db*;DC Output Shift 500mVΔ;Vo 6.0Vt.
101#	MT370	73	07					Z151	CN10c	AGC/Squelch Amp;Gv 35db*;DC Output Shift 1.0VΔ;Vo 6.0Vt.

12. MISCELLANEOUS

IN ORDER OF (1) USE (2) TYPE No.

LINEAR

LINE No.	TYPE No.	U	T	C	DRAWINGS		GENERAL DESCRIPTION
					SE	MO	
		+			CKT.	OUT-LINE Δ-MO	
1	WJM33A	74	5A		Z7425	MP632	Single Bal:LO HF8-18GHz;If 40-80MHz;Isol20dBmin,CL10dBmax at L08dBm,50 ohms
2	CD4046AF	75	5C		Z7517	Δ001AC	PLL:Cmos;Fo to 1.2MHz typ/Vdd 10V;Vdd-Vss Range 5-15V;Pd 70uW/5V/10KHz(typ)
3	CD4046AH	75	5C		Z7517	CHZ	PLL:Cmos;Fo to 1.2MHz typ/Vdd 10V;Vdd-Vss Range 5-15V;Pd 70uW/5V/10KHz(typ)
4	CD4046AK	75	5C		Z7517	Δ004AF	COS/MOS Micropower Phase-Locked Loop;Pd 200mW;Freq 500kHz;Ri 1.0TΩ;Vo 10Vp-p.
5	HA1-2820	75	5C		Z286	14-30	Max Freq 5.0MHz;VSS 12V;Pd 300mWΔ;Ri 100kΩ;Ro 10MΩ;Io 10mAΔ.
6	HA1-2825	75	07		Z286	14-30	Max Freq 5.0MHz;VSS 12V;Pd 300mWΔ;Ri 100kΩ;Ro 10MΩ;Io 10mAΔ.
7	HA1F2800	75	5C		Z285	16-17	Freq. 5.0MHz to 25MHz;ΔVs 30V;Pd 500mW;Zin 2.0kΩ;Zout 8MΩ;Ri 850Ω;Demod.Out 250mV.
8	HA1F2805	75	07		Z285	16-17	Freq. 5.0MHz to 20MHz;ΔVs 30V;Pd 500mW;Zin 2.0kΩ;Zout 8MΩ;Ri 850Ω;Demod.Out 250mV.
9#	HD42851	75	37		Z7505	24-9	PLL Freq Synthesizer Used with 42854/55 Chan Scan for 40-Chan Transceiver;Vdd 9.0Vmax
10#	HD42853	75	37		Z7506	22-3	PLL Freq Synthesizer Used with 42854/55 Chan Scan for 40-Chan Transceiver;Vdd 9.5Vmax
11	LM1394N	75	07		Z7508	8-16	Phase Locked Loop Block.Freq 500kHz;Osc Pull In Range ±300Hz;Vs 8.6V;Phase Error 0.5uSt
12	LM1861N	75	08		Z7509	16-13c	Linear Freq Synthesizers;Vcc 10V;VCO Bias 50mADC;Rec/Trans Out 100mVp-p*
13	LM1862N	75	08		Z7510	18-3	Linear Freq Synthesizers;Vcc 10V;VCO Bias 50mADC;Rec/Trans Out 100mVp-p*
14	881	76	07		Z7603	MP369	LP,HP,BP;Freq 10kHzΔ;Q 50-50;foTC ±50ppm/°C;Outp Vos 200mVΔ;Ri 1.0MΩ.
15	882F697	76	5C		Z431	MP369a	Band Pass Filter;Freq 697Hz;Q 18;foTC ±50ppm/°C;Outp Vos ±40mV;Ri 30kΩ.
16	882F770	76	5C		Z431	MP369a	Band Pass Filter;Freq 770Hz;Q 18;foTC ±50ppm/°C;Outp Vos ±40mV;Ri 30kΩ.
17	882F852	76	5C		Z431	MP369a	Band Pass Filter;Freq 852Hz;Q 18;foTC ±50ppm/°C;Outp Vos ±40mV;Ri 30kΩ.
18	882F941	76	5C		Z431	MP369a	Band Pass Filter;Freq 941Hz;Q 18;foTC ±50ppm/°C;Outp Vos ±40mV;Ri 30kΩ.
19	882F1209	76	5C		Z431	MP369a	Band Pass Filter;Freq 1.2kHz;Q 18;foTC ±50ppm/°C;Outp Vos ±40mV;Ri 30kΩ.
20	882F1336	76	5C		Z431	MP369a	Band Pass Filter;Freq 1.3kHz;Q 18;foTC ±50ppm/°C;Outp Vos ±40mV;Ri 30kΩ.
21	882F1477	76	5C		Z431	MP369a	Band Pass Filter;Freq 1.4kHz;Q 18;foTC ±50ppm/°C;Outp Vos ±40mV;Ri 30kΩ.
22	882F1633	76	5C		Z431	MP369a	Band Pass Filter;Freq 1.6kHz;Q 18;foTC ±50ppm/°C;Outp Vos ±40mV;Ri 30kΩ.
23	AF14-ICJ	76	07		Z7634	24-15	PCM TRANSMIT RECEIVE FILTER;Vs±12±15V;GV -6dB at 3.4kHz;Vos 100mVΔ;Ri 100kΩ*;Ro 1Ω
24	AF776-2ML	76	28			MP2040	FILTER;Low Pass;Bessel;2 Pole;Freq Range 1-20kHz;Vi ±10V*;Zin 30k*
25	AF776-4ML	76	28			MP783	FILTER;Low Pass;Bessel;4 Pole;Freq Range 1-20kHz;Vi ±10V*;Zin 30k*
26	AF776-6MB	76	28			MP782	FILTER;Low Pass;Butterworth;6 Pole;Freq Range 1-20kHz;Vi ±10V*;Zin 30k*
27	AF776-8LB	76	28			MP782	FILTER;Low Pass;Butterworth;8 Pole;Freq Range 1-20kHz;Vi ±10V*;Zin 30k*
28	AF776-8MB	76	28			MP782	FILTER;Low Pass;Butterworth;8 Pole;Freq Range 1-20kHz;Vi ±10V*;Zin 30k*
29	AF776-BILM	76	28			MP783	FILTER;Bandpass;Single Tuned;1 Pole Pr;Freq Range 1-20kHz;Vi ±10V*;Zin 100k*
30	AF776-BILN	76	28			MP783	FILTER;Bandpass;Single Tuned;1 Pole Pr;Freq Range 1-20kHz;Vi ±10V*;Zin 100k*
31	AF776-BILP	76	28			MP783	FILTER;Bandpass;Single Tuned;1 Pole Pr;Freq Range 1-20kHz;Vi ±10V*;Zin 100k*
32	AF776-BILQ	76	28			MP783	FILTER;Bandpass;Single Tuned;1 Pole Pr;Freq Range 1-20kHz;Vi ±10V*;Zin 100k*
33	AF776-BILR	76	28			MP783	FILTER;Bandpass;Single Tuned;1 Pole Pr;Freq Range 1-20kHz;Vi ±10V*;Zin 100k*
34	AF776-BIMM	76	28			MP783	FILTER;Bandpass;Single Tuned;1 Pole Pr;Freq Range 1-20kHz;Vi ±10V*;Zin 100k*
35	AF776-BIMN	76	28			MP783	FILTER;Bandpass;Single Tuned;1 Pole Pr;Freq Range 1-20kHz;Vi ±10V*;Zin 100k*
36	AF776-BIMP	76	28			MP783	FILTER;Bandpass;Single Tuned;1 Pole Pr;Freq Range 1-20kHz;Vi ±10V*;Zin 100k*
37	AF776-BIMQ	76	28			MP783	FILTER;Bandpass;Single Tuned;1 Pole Pr;Freq Range 1-20kHz;Vi ±10V*;Zin 100k*
38	AF776-BIMR	76	28			MP783	FILTER;Bandpass;Single Tuned;1 Pole Pr;Freq Range 1-20kHz;Vi ±10V*;Zin 100k*
39	FLT-BP4B20KQ10	76	07				BP Filter;Freq. 20-20kHz;Vs ±15V;Is 16mA;Vi and Vo ±10V;Io ±2.0mA;4 Pole;Bttrwrth;Q 10
40	FLT-BP4B20KQ5	76	07				BP Filter;Freq. 20-20kHz;Vs ±15V at 16mA;Vi and Vo ±10V;Io ±2.0mA;4 Pole;Bttrwrth;Q 5
41	FLT-BP4B50Q10	76	07				BP Filter;Freq. 05-50Hz;Vs ±15V;Is 16mA;Vi and Vo ±10V;Io ±2.0mA;4 Pole;Bttrwrth;Q 10
42	FLT-BP4B50Q5	76	07				BP Filter;Freq. 05-50Hz;Vs ±15V;Is 16mA;Vi and Vo ±10V;Io ±2.0mA;4 Pole;Bttrwrth;Q 5
43	FLT-BP4B500Q10	76	07				BP Filter;Freq. 05-500Hz;Vs ±15V;Is 16mA;Vi and Vo ±10V;Io ±2.0mA;4 Pole;Bttrwrth;Q 10
44	FLT-BP4B500Q5	76	07				BP Filter;Freq. 05-500Hz;Vs ±15V;Is 16mA;Vi and Vo ±10V;Io ±2.0mA;4 Pole;Bttrwrth;Q 5
45	FLT-LP4B5K	76	07				LP Filter;Freq. 100-5kHz;Vs ±15V;Is 22mA;Vi and Vo ±10V;Io ±2.0mA;4 Pole;Bttrwrth
46	FLT-LP4B50	76	07				LP Filter;Freq. 1-50Hz;Vs ±15V;Is 22mA;Vi and Vo ±10V;Io ±2.0mA;4 Pole;Bttrwrth
47	FLT-LP4B50K	76	07				LP Filter;Freq. 1k-50kHz;Vs ±15V;Is 22mA;Vi and Vo ±10V;Io ±2.0mA;4 Pole;Bttrwrth
48	FLT-LP4B500	76	07				LP Filter;Freq. 10-500Hz;Vs ±15V;Is 22mA;Vi and Vo ±10V;Io ±2.0mA;4 Pole;Bttrwrth
49	FLT-LP4L5K	76	07				LP Filter;Freq. 100-5kHz;Vs ±15V;Is 22mA;Vi and Vo ±10V;Io ±2.0mA;4 Pole;Bessel
50	FLT-LP4L50	76	07				LP Filter;Freq. 1-50Hz;Vs ±15V;Is 22mA;Vi and Vo ±10V;Io ±2.0mA;4 Pole;Bessel
51	FLT-LP4L50K	76	07				LP Filter;Freq. 1k-50kHz;Vs ±15V;Is 22mA;Vi and Vo ±10V;Io ±2.0mA;4 Pole;Bessel
52	FLT-LP4L500	76	07				LP Filter;Freq. 10-500Hz;Vs ±15V;Is 22mA;Vi and Vo ±10V;Io ±2.0mA;4 Pole;Bessel
53	FLT-LP6B5K	76	07				LP Filter;Freq. 100-5kHz;Vs ±15V;Is 28mA;Vi and Vo ±10V;Io ±2.0mA;6 Pole;Bttrwrth
54	FLT-LP6B50	76	07				LP Filter;Freq. 1-50Hz;Vs ±15V;Is 28mA;Vi and Vo ±10V;Io ±2.0mA;6 Pole;Bttrwrth
55	FLT-LP6B50K	76	07				LP Filter;Freq. 1k-50kHz;Vs ±15V;Is 28mA;Vi and Vo ±10V;Io ±2.0mA;6 Pole;Bttrwrth
56	FLT-LP6B500	76	07				LP Filter;Freq. 10-500Hz;Vs ±15V;Is 28mA;Vi and Vo ±10V;Io ±2.0mA;6 Pole;Bttrwrth
57	FLT-LP6L5K	76	07				LP Filter;Freq. 100-5kHz;Vs ±15V;Is 28mA;Vi and Vo ±10V;Io ±2.0mA;6 Pole;Bessel
58	FLT-LP6L50	76	07				LP Filter;Freq. 1-50Hz;Vs ±15V;Is 28mA;Vi and Vo ±10V;Io ±2.0mA;6 Pole;Bessel
59	FLT-LP6L50K	76	07				LP Filter;Freq. 1k-50kHz;Vs ±15V;Is 28mA;Vi and Vo ±10V;Io ±2.0mA;6 Pole;Bessel
60	FLT-LP6L500	76	07				LP Filter;Freq. 10-500Hz;Vs ±15V;Is 28mA;Vi and Vo ±10V;Io ±2.0mA;6 Pole;Bessel
61	MI42080	76			Z775	MP648	Active Filter;LP;Freq 941HzΔ;Insertion Loss 3dBΔ;Vos±0.25V
62	MI42081	76			Z775	MP648	Active Filter;HP;Freq 1633HzΔ;Insertion Loss 3dBΔ;Vos±0.25V
63#	TCA250	76	06		Z488	TO116	Double Filter Amp;for Act.Filters in the AF Range;e.g.for electronics organs.
64#	HD42854	77	37		Z7701	18-8	Scanner Chip Used with 42851/53 for Chan Selection;4 Scan Speeds;Scan Stop;Vdd 5.0V
65#	HD42855	77	37		Z7702	18-8	Decoder-Driver Chip Used with 42854 to Drive 7-Segment LED for Selected Chan Display
66	uA494DDC	80	07		Z8001	16-3a	Universal Switch Mode Pulse Width Modulated Control Circuit;SW Freq 1kHz-300kHz;Eo 40V Max
67#	12001W	81	17		Z8106	22-3	CONTROLLER;Cassette Tape;End Detector;Auto Shut-Off;Vcc 6.0V;Icc 50mA;Pd 750mWΔ
68	LMN1014AN	81	27		Z8103	10-1	MOTOR SPEED REGULATOR;ΔVs 5.0V-20V;Is 6.0mA;Line Reg 1.0%Vref at Vs 5.0-20V
69#	u417B	87					AM/FM;Audio Amp;Supply Volt Rng3-15V;Pd 600(Max);Volt Amp/1KHz 40dB;P Out 700mW
70#	u418B	87					AM/FM;Audio Amp;Supp Volt Rng 3-15V;Pd 600mW (Max);Volt Amp/1KHz 40dB;P Out 1W

3 – INTERFACE DISCONTINUED DEVICES

HOW TYPE NUMBERS ARE SEQUENCED IN THE TYPE NO. CROSS INDEX

Sequencing of type numbers in the Type Number Cross Index is governed by the following rules:	EXAMPLES
RULES: 1) Type numbers are listed in numeric-alphabetic sequence; i.e., type numbers beginning with a number (decimal, fraction, or whole) precede type numbers beginning with a letter.	13A01 143 1202 A147 AN127 B2000
2) Decimals and fractions precede whole numbers. An equivalent decimal precedes the fraction when the remainder of type number is identical.	25Z150 1/4Z150 3/4M12Z 1T3
3) Zeros are ignored in sequencing except when the zero is the only basis for distinguishing one type number from another. In this case the type number containing the zero is listed first.	0112 112 0113 00115 AP01 AP1 AP02
4) Number and/or letter groupings preceding hyphens or slashes are the controlling factors in sequencing. The hyphens and slashes themselves precede any identically positioned letters also having the same beginning number/letter groupings.	66-0706 66M1 70/10 70A9

HOW TYPE NUMBERS ARE ARRANGED IN THE TECHNICAL SECTIONS - SEQUENCING PARAMETERS

The arrangement of types in the technical sections is keyed to a set of special characteristics selected for their importance from among the general group of characteristics tabulated in each section. These selected characteristics, or sequencing parameters, differ from one section to another, and are identified at the top corner of each page, as shown in the sample below.

MAJOR CHARACTERISTICS

SEQUENCING PARAMETERS

LINE No.	4 TYPE NUMBER	1 CKTS. PER DEV.	5. PERIPHERAL/POWER DRIVERS										IN ORDER OF: (1)CKTS/DEVICE (2)ABS. MAX Ion (3)ABS. MAX. COLLECTOR VOLT. &(4)TYPE NUMBER			
			2 ABS. MAX. Ion (A)	3 MAX. VCE (V)	4 OUTP. CONN. -ECT (V)	5 TRANSIS. ON VOLTAGE Von @ Ic (A)	6 MAX. OUTPUT POWER OVER-ALL GATE FUNCT. CODE	7 IN-PUT DELAY COMP tpd (s)	8 PROP. DELAY (s)	9 THERMAL RESISTANCE RθJC (°C/W)	10 INPUT LOGIC LEVEL HIGH (min) (V) LOW (max) (V)	11 RATED PWR. SUPPLY SPAN NEG. (V) POS. (V)	12 MAX. OPERATE PWR. DISS. (W)	13 OPER. TEMP. (-) (°C) (+) (°C)	DRAWINGS	
														LOGIC DWG. No.	OUTLINE DWG. No. Δ=MO	

The different types within a section are first arranged in ascending numeric (or alphabetic) order of the first such parameter. Groups of types having a common value for the first parameter are then arranged in ascending order of the second parameter. This process continues for each parameter in turn, up to and including the last parameter which, in every instance, is the type number itself. The final arrangement, by type number, is done in accordance with the sequencing of type numbers in the cross index.

INTERPRETER

SYMBOLS & CODES EXPLAINED

3. LINE DRIVERS/TRANSMITTERS

IN ORDER OF: (1) OUTPUT MODE (2) CKTS/DEVICE
(3) TYPICAL OUTPUT VOLTAGE & (4) TYPE NUMBER

LINE No.	TYPE NUMBER	1 OUTPUT MODE	2 CKTS PER DEV.	3 TYP. OUTPUT VOLTAGE		4 MIN. OUTPUT SINK CURRENT		5 MAX. OUTP. RESIS. (Ω)	T E C H N	INPUT LOGIC LEVEL		RATED PWR. SUPPLY SPAN		11 MAX. PROP. DELAY tpd (s)	12 MAX. OPERATE. PWR. DISS. (W)	OPER. TEMP.		DRAWINGS	
				3 HIGH (V)	4 LOW (V)	I (A)	@ Vo (V)			HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)			(-) (°C)	(+) (°C)	LOGIC DWG. No.	OUTLINE DWG. No.
•	♦	3	4	5	6	•	•	9	•	•	•	•	•	•	•	•	•	•	•

3 D — Differential
S — Single-ended

4 * — No. of bidirectional pairs

5 6 Δ — Maximum
* — Minimum
⊠ — Absolute maximum
∅ — Output current

9 * — Minimum
† — Typical
§ — Transmission Line/load Impedance

4. MEMORY/CLOCK DRIVERS

IN ORDER OF: (1) TYPE CODE (2) CKTS/DEVICE
(3) MIN. OUTPUT SINK CURR. & (4) TYPE NUMBER

LINE No.	TYPE NUMBER	1 TYPE CODE	2 CKTS PER DEV.	3 MIN. SINK CURR. (A)	4 MIN. OUTP. HIGH VOLT. (V)	5 MIN. OUTP. SINK CURR. @ Vo (V)	6 MAXIMUM PROPAGATION DELAY tpd (s)	7 MAX. INPUT CAP. C (F)	8 MAX. INPUT CURR. (LOW) (A)	T E C H N	INPUT LOGIC LEVEL		RATED PWR. SUPPLY SPAN		11 MAX. OPERATE. POWER DISS. (W)	OPER. TEMP.		13 ADD. INPT. FUNC.	DRAWINGS	
											HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)		(-) (°C)	(+) (°C)		LOGIC DWG. No.	OUTLINE DWG. No.
•	♦	3	•	•	•	•	•	10	•	•	•	•	•	•	•	•	•	19	•	•

3 C — Clock driver
M — Memory driver

10 † — Typical

19 C — Counter capability
D — Decoder capability
L — Latch capability

5. PERIPHERAL/POWER DRIVERS

IN ORDER OF: (1) CKTS/DEVICE (2) ABS. MAX I_{on}
(3) ABS. MAX. COLLECTOR VOLT. & (4) TYPE NUMBER

LINE No.	TYPE NUMBER	1 CKTS PER DEV.	2 OUTPUT TRANSIS. ABS. MAX. I _{on} (A)		3 AB MAX. VCE (V)		4 OUTP. ON VOLT. - ECT (V)		5 MAX. V _{on} (V)	6 @ I _c (A)	7 MAX. OVER-ALL GATE FUNCT. CODE	8 MAX. IN-PUT DELAY tpd (s)	9 MAX. PROP. DELAY C (s)	T E C H N	INPUT LOGIC LEVEL		RATED PWR. SUPPLY SPAN		11 MAX. OPERATE. PWR. DISS. (W)	OPER. TEMP.		DRAWINGS	
			HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)	(-) (°C)	(+) (°C)							LOGIC DWG. No.	OUTLINE DWG. No.							
																	†	‡					
•	♦	4	5	6	7	•	•	9	10	•	•	13	14	•	•	•	•	•	•	•	•	•	•

4 # — Peak pulse current

5 * — Minimum
⊠ — Absolute max. supply voltage
∅ — At rated operating conditions (at specified leakage current)

6 3S — 3-state
DC — Complementary drain coupled (CMOS)
EC — Emitter or source coupled
IT — Independent transistor
OC — Open collector or drain
OE — Open collector and emitter
RP — Resistor pullup (passive)
TP — Totem pole (active pullup)
AH — Active high
AL — Active low

7 † — typical
% — Min. high output logic level
\$ — Output (transistor) saturation voltage (V_{cc} - V_o)

9 AND — AND
DIF — Differential
EXR — Exclusive OR
INV — Inverting
MUL — Multiple (see logic dwg.)
NAAD — AND/NAND
NAIV — NAND/Inverter
NAND — NAND
NIV — Non-inverting
NIIV — INV/Non-inverting
NOR — NOR
NOIV — NOR/Inverter
NONI — NOR/Non-inverting
OR — OR
ORNO — OR/NOR

10 A — DTL, TTL
B — MOS, TTL
C — CMOS
D — DTL
E — ECL
F — TIL, CMOS
H — CMOS, PMOS
L — CMOS, DTL, TTL
M — MOS
N — CMOS, NMOS, PMOS, TTL
T — TTL
X — CMOS, DTL, PMOS, TTL

13 14 * — Minimum
Δ — Maximum
† — Typical
% — Output logic levels

• See SYMBOLS AND CODES COMMON TO MORE THAN ONE SECTION
♦ See SYMBOL FOLLOWING TYPE NO. & IN TYPE NO. CROSS INDEX

INTERPRETER

SYMBOLS & CODES EXPLAINED

6. DISPLAY DRIVERS

IN ORDER OF: (1) FUNCTIONAL CAPABILITY CODE
(2) READOUT (3) No. OUTPUT LINES & (4) TYPE No.

LINE No.	4 TYPE NUMBER	1 FUNCT		2 READOUT		3 OUTPUT CAPABILITY			MAX. PROP. DELAY tpd (s)	T E C H N	INPUT LOGIC LEVEL		RATED PWR. SUPPLY SPAN		MAX. OPERATE POWER		OPER. TEMP.		DRAWINGS	
		A-DRIVER	B-DECODER	C-LCD	L-LED	OUTP 3 CONN -ECT	No. LINES	MIN. SINK CURRENT @ Vo (V)			ABS. MAX. VOLT. (V)	HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)	DISS. (W)	(-) (°C)	(+) (°C)	LOGIC DWG. No.	OUTLINE DWG. No. Δ=MO

- | | | | | | | | |
|----------|--|--|----------|--|--|---------------------|--|
| 3 | A - Driver
B - Decoder
C - Latch
D - Counter
E - Oscillator
F - Multiplexer
S - Shift register | | 5 | 3S - 3-state
AH - Active high
AL - Active low
BU - BUFFERED
DC - Complementary drain coupled (CMOS)
EC - Emitter or source coupled
ED - Emitter and drain coupled
OC - Open collector or drain
OE - Open collector and emitter
IT - Independent transistor
PD - Active Pull Down | | 9 | ∅ - At rated operating conditions (at specified leakage current)
∇ - Absolute maximum supply voltage
* - Minimum |
| 4 | C - Liquid crystal
F - Fluorescent
G - Gas discharge
I - Incandescent
L - LED
T - Thermal printer | | | NOTE: "No. of Lines" column indicates number of output lines per circuit or digit.
Number at end of readout code indicates number of circuits or digit driving capability of device (if other than one). | | 12 13 | * - Minimum
Δ - Maximum
† - Typical
% - Output logic levels |

7. SWITCH DRIVERS

IN ORDER OF: (1) No. OF SWITCH CHANNELS
(2) MIN. I(SINK) (3) ABS. MAX. VOLT. & (4) TYPE No.

LINE No.	4 TYPE NUMBER	1 No. OF SW. CHAN	2 OUTPUT			MAX. INPUT DRIVE CURR. (A)	MAX. tON (s)	MAX. tOFF (s)	FEATURES	T E C H N	INPUT LOGIC LEVEL		RATED PWR. SUPPLY SPAN		MAX. OPERATE POWER		OPER. TEMP.		DRAWINGS	
			MIN. SINK CURR. (A)	@ Vo (V)	ABS. MAX. VOLT. (V)						HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)	DISS. (W)	(-) (°C)	(+) (°C)	LOGIC DWG. No.	OUTLINE DWG. No. Δ=MO	

- | | | | | | | | |
|----------|---|--|-------------------|---|--|-----------|---|
| 6 | ∇ - Absolute max. supply voltage
* - Minimum
∅ - At rated operating conditions (at specified leakage current) | | 8 9 | † - Typical
\$ - tpd - propagation delay | | 10 | Decoder - Decoder included
Diff - Differential
Compl Outp - Complementary output
MW PIN - Microwave PIN diode switch driver
Pwr PIN - PIN diode power switch driver |
|----------|---|--|-------------------|---|--|-----------|---|

10. A/D CONVERTERS

IN ORDER OF: (1) RESOLUTION (2) MAX. LIN. ERROR
(3) MAX. CONVERSION TIME & (4) TYPE NUMBER

LINE No.	4 TYPE NUMBER	1 RESOLUT ION OF CONV -ERT bits	2 MAX. LINEAR ERROR (%)	3 MAX. GAIN CONV. DRIFT (ppm/°C)	MAX. INPUT P-P VOLT Δ-AMP	MIN. DRIVE CURR. (A)	OUTPUT DRIVE HIGH (min) (V)	OUTPUT DRIVE LOW (max) (V)	LOGIC LEVEL	RATED PWR. SUPPLY SPAN		MAX. OPERATE POWER		OPER. TEMP.		DRAWINGS	
										NEG. (V)	POS. (V)	DISS. (W)	(-) (°C)	(+) (°C)	LOGIC DWG. No.	OUTLINE DWG. No. Δ=MO	

- | | | | | | | | | | | | | | | | | | | | |
|----------|--|--|----------|---|--|----------|--|--|----------|----------------------|--|-----------|--|--|-----------|--|--|---------------------|--|
| 3 | Δ - Maximum bit number given, bit resolution pin programmable
\$ - No. of chords
* - No. of BCD decades/digits | | 5 | A - Standard binary
B - Complementary binary
C - Offset binary
D - Complementary offset binary
E - Binary coded decimal (BCD)
F - Complementary BCD
G - Two's complement
H - Sign magnitude binary
I - Inverted binary
J - Sign magnitude BCD
K - Buffer
L - Inverted complementary binary | | 8 | † - Typical
\$ - Combined gain and offset drift
§ - Accuracy change over operating temp. range in % FSR
* - Equivalent accuracy over temp. range in % FSR for most significant chord (non-linear converters only) | | 9 | ∇ - Absolute maximum | | 10 | A - Amps - current mode
B - Bipolar
U - Unipolar
V - Volts - voltage mode
- Supplied in both current and voltage modes
∅ - Volts rms line-to-line
\$ - 60 Hz
§ - 400 Hz | | 11 | D - DTL load
E - ECL load
T - TTL load
† - Typical
∇ - Maximum | | 12 13 | * - Minimum
Δ - Maximum
† - Typical
§ - 3-state |
|----------|--|--|----------|---|--|----------|--|--|----------|----------------------|--|-----------|--|--|-----------|--|--|---------------------|--|

• See SYMBOLS AND CODES COMMON TO MORE THAN ONE SECTION

♦ See SYMBOL FOLLOWING TYPE NO. & IN TYPE NO. CROSS INDEX

INTERPRETER

SYMBOLS & CODES EXPLAINED

11. D/A CONVERTERS

IN ORDER OF: (1)RESOLUTION (2)MAX.LIN. ERROR
(3)MAX. SETTLING TIME & (4)TYPE NUMBER

LINE No.	4 TYPE NUMBER	1 RESOLUTION OF CONV. BITS	TYPE OF CONV. -ERT	INPUT ARITH. CODE OPTIONS	2 MAX. LINEAR ERROR (%)	3 MAX. SETTLING TIME (s)	MAX. GAIN TEMP. DRIFT ACCUR ppm/°C	OUTPUT MAX. RANGE		INPUT LOGIC LEVEL		RATED PWR. SUPPLY SPAN		MAX. OPERATE PWR. DISS. (W)	OPER. TEMP.		DRAWINGS	
								P-P	V-VOLT A-AMP	HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)		(-) (°C)	(+) (°C)	LOGIC DWG. No.	OUTLINE DWG. No. Δ=MO
	♦	3	4	5	6	7	9	11	12	13	•	•	•	•	•	•	•	•

3 Δ - Maximum bit number given, bit resolution pin programmable
 § - No. of chords
 * - No. of BCD decades/digits

4 L - Linear
 M - Multiplying
 N - Companding logarithmic (non-linear)
 SM - Sign / Magnitude
 § - Industrial μ-law
 § - Industrial A-law
 * - CCITT A-law
 # - Bell D3 Spec

5 A - Standard binary
 B - Complementary binary
 C - Offset binary
 D - Complementary offset binary
 E - Binary coded decimal (BCD)
 F - Complementary BCD
 G - Two's complement
 H - Sign magnitude binary
 I - Inverted binary
 J - Sign magnitude BCD
 K - Buffer
 L - Inverted complementary binary
 M - Complementary two's complement
 N - One's complement
 O - Inverted offset binary
 P - Inverted complementary offset binary
 R - Inverted BCD
 S - Inverted complementary BCD
 T - Complementary sign magnitude binary
 § - Steps/chord

6 § - Accuracy
 * - Step non-linearity in %FSR for most significant chord (non-linear converters only)
7 † - Typical

9 § - Combined gain and offset drift
 † - Typical
 § - Accuracy change over operating temp. range in % FSR
 * - Equivalent accuracy over temp. range in %FSR for most significant chord (non-linear converters only)

11 A - Amps - current mode
 B - Bipolar
 U - Unipolar
 V - Volts - voltage mode
 # - Supplied in both current and voltage modes

12 * - Minimum
 Δ - Maximum
13 † - Typical
 X - TTL & CMOS compatibility

12. LOGIC LEVEL CONVERTERS/LEVEL TRANSLATORS

IN ORDER OF: (1)FROM LOGIC (2)TO LOGIC
(3)CKTS. PER DEVICE & (4)TYPE NUMBER

LINE No.	4 TYPE NUMBER	1 CONVERTS		3 LOGIC FUNCT. CODE	No. LOG INP per CKT	MIN. SINK I (A)	OUTPUT @ Vo (V)	T E C H N	INPUT LOGIC LEVEL		RATED PWR. SUPPLY SPAN		MAX. PROP. DELAY tpd (s)	MAX. OPERATE PWR. DISS. (W)	OPER. TEMP.		DRAWINGS	
		FROM	TO						CKTS. per DEV	HIGH (min) (V)	LOW (max) (V)	NEG. (V)			POS. (V)	(-) (°C)	(+) (°C)	LOGIC DWG. No.
	♦	3	4	6	•	•	•	•	•	•	•	•	•	•	•	•	•	•

3 B - Bipolar
 C - CMOS
 D - DTL
 E - EIA
 H - HNIL
 I - IBM (MST)

K - ECL (other than 10k)
 L - ECL (10k)
 M - MOS
 R - RTL
 T - TTL
 ♦ - Bidirectional (From-To) level conversion

6 AND - AND
 EXR - Exclusive OR
 INV - Inverting
 MUL - Multiple
 NAND - NAND
 NIV - Non-inverting
 NOR - NOR

NAIV - NAND/Inverter
 NOIV - NOR/Inverter
 NIIV - INV/Non-inverting
 NAAD - AND/NAND
 NONI - NOR/Non-inverting
 OR - OR
 ORNO - OR/NOR

• See SYMBOLS AND CODES COMMON TO MORE THAN ONE SECTION
 ♦ See SYMBOL FOLLOWING TYPE NO. & IN TYPE NO. CROSS INDEX

INTERPRETER

SYMBOLS & CODES EXPLAINED

15. ANALOG GATE SWITCHES: BILATERAL, MULTIPLE

IN ORDER OF: (1) SWITCH FORM (2) SWTs PER CKT
(3) CKTS PER DEV (4) PP SW V (5) Rds & (6) TYPE No.

LINE No.	TYPE NUMBER	1 SW-FORM		3 MAXIMUM		5 MAXIMUM			CONTROL LOGIC LEVEL		RATED PWR. SUPPLY SPAN		MAX. ON TIME tON (s)	MAX. OPERATE PWR. DISS. (W)	OPER. TEMP.		DRAWINGS	
		A-SSNO	B-SSNC	2 CKT PER DEV	SW. VOLT. P-P (V)	SW. CURR. P-P (A)	DRAIN/SOURCE ON RESISTANCE Rds (Ω)	@ VD (V)	@ Is (A)	HIGH (min) (V)	LOW (max) (V)	NEG. (V)			POS. (V)	(-) (°C)	(+) (°C)	LOGIC DWG. No.
6				3	4	6	7	8	10	12	13		16					

- 3** A - SSNO - Single pole, single throw, normally open
 - 3** B - SSNC - Single pole, single throw, normally closed
 - 3** C - SPDT - Single pole, double throw
 - ∅ - Multiple
 - § - Ladder switch
 - ▧ - W/driver
 - ▾ - W/amplifier
 - * - Cross point switch; numbers in next 2 columns represent matrix configuration
- 4** Δ - Maximum
 - 6 7** ▧ - Absolute maximum
 - † - Typical
 - 8** † - Typical
 - 10** ◆ - Load resistance in ohms
- 12 13** \$ - Threshold voltage
 - * - Minimum
 - Δ - Maximum
 - † - Typical
 - 16** † - Typical
 - \$ - tpd - propagation delay
 - ∅ - tr - rise time

16. ANALOG MULTIPLEXERS

IN ORDER OF: (1) CKTS. PER DEVICE
(2) INPUT CHAN./CKT (3) MAX. SW. V. & (4) TYPE No.

LINE No.	TYPE NUMBER	1 CKTS. PER DEV	2 No. PER CHAN./CKT.	3 MAXIMUM		4 MAXIMUM			CONTROL LOGIC LEVEL		RATED PWR. SUPPLY SPAN		MAX. PROP. DELAY tpd (s)	MAX. OPERATE PWR. DISS. (W)	OPER. TEMP.		DRAWINGS	
				SW. VOLT. P-P (V)	SW. CURR. P-P (A)	DRAIN/SOURCE ON RESISTANCE Rds (Ω)	@ VD (V)	@ Is (A)	HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)			(-) (°C)	(+) (°C)	LOGIC DWG. No.	OUTLINE DWG. No. Δ=MO
5		3		5	6	7	9	11	12									

- 3** % - Latching or storage capability
- 5 6** ▧ - Absolute maximum
- † - Typical
- 7** † - Typical
- 9** ◆ - Load resistance in ohms
- 11 12** * - Minimum
- Δ - Maximum
- † - Typical

17. DIGITAL MULTIPLEXERS/SELECTORS

IN ORDER OF: (1) CKTS./DEVICE
(2) INPUT CHAN./CKT (3) MIN. I(SINK) & (4) TYPE No.

LINE No.	TYPE NUMBER	1 CKTS. PER DEV	2 No. PER CHAN./CKT.	No. OF ADDRESS LINES	T E C H N	3 MIN. OUTPUT SINK CURRENT		INPUT LOGIC LEVEL		RATED PWR. SUPPLY SPAN		MAX. PROP. DELAY tpd (s)	MAX. OPERATE PWR. DISS. (W)	OPER. TEMP.		DRAWINGS		
						I (A)	@ Vo (V)	HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)			(-) (°C)	(+) (°C)	LOGIC DWG. No.	OUTLINE DWG. No. Δ=MO	
4		3																

- 3** % - Latching or storage capability

18. DIGITAL DEMULTIPLEXERS/DECODERS

IN ORDER OF: (1) CKTS./DEV (2) OUTPUT CHAN./CKT.
(3) MIN. OUTPUT SINK CURR. & (4) TYPE NUMBER

LINE No.	TYPE NUMBER	1 DEMULTIPLEX PER DEV	2 No. OUTPUT CHAN./CKT.	DECODES FROM TO		T E C H N	3 MIN. OUTPUT SINK CURRENT		INPUT LOGIC LEVEL		RATED PWR. SUPPLY SPAN		MAX. PROP. DELAY tpd (s)	MAX. OPERATE PWR. DISS. (W)	OPER. TEMP.		DRAWINGS	
				1	2		I (A)	@ Vo (V)	HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)			(-) (°C)	(+) (°C)	LOGIC DWG. No.	OUTLINE DWG. No. Δ=MO
4																		

- See SYMBOLS AND CODES COMMON TO MORE THAN ONE SECTION
- ◆ See SYMBOL FOLLOWING TYPE NO. & IN TYPE NO. CROSS INDEX

INTERPRETER

SYMBOLS & CODES EXPLAINED

20. LINE RECEIVERS

IN ORDER OF: (1)INPUT MODE (2)CKTS/DEVICE
(3)HIGH INPUT THRESHOLD VOLT. & (4)TYPE No.

LINE No.	4 TYPE NUMBER	1 INPUT MODE	2 THRESHOLD VOLT.-INPUT		MAX. INPUT RESIS (Ω)	MIN. OUTPUT SINK CURRENT		T E C H N I C A N	OUTPUT LOGIC LEVEL		RATED PWR. SUPPLY SPAN		MAX. PROP. DELAY tpd (s)	MAX. OPERATE PWR. DISS. (W)	OPER. TEMP.		DRAWINGS	
			3 HIGH (V)	LOW (V)		I (A)	@ Vo (V)		HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)			(-) (°C)	(+) (°C)	LOGIC DWG. No.	OUTLINE DWG. No. Δ=MO
•	♦	3	5	6	7	•	•	•	11	12	•	•	•	•	•	•	•	•

3 D — Differential
S — Single-ended

5 6 Δ — Maximum
* — Minimum
◻ — Input logic level
♦ — Hysteresis voltage
⊗ — Input threshold current

7 † — Typical

11 12 * — Minimum
Δ — Maximum
† — Typical
§ — 3-state
⊗ — Open collector

21. LINE TRANSCEIVERS

IN ORDER OF: (1)INP/OUTPUT MODE (2)CKTS/DEV
(3)MIN.DRIVER SINK CURR. & (4)TYPE NUMBER

LINE No.	4 TYPE NUMBER	1 INPUT-OUTPUT MODE	2 CKTS PER DEV.	3 DRIVER SINK CURR.		RECVR. INPUT THRESHOLD VOLTAGE		MAX. RECVR. INPUT CURR. (A)	T E C H N I C A N	OUTPUT LOGIC LEVEL		RATED PWR. SUPPLY SPAN		MAX. PROP. DELAY tpd (s)	MAX. OPERATE POWER DISS. (W)	OPER. TEMP.		DRAWINGS	
				@ Vo (V)	(A)	HIGH (V)	LOW (V)			HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)			(-) (°C)	(+) (°C)	LOGIC DWG. No.	OUTLINE DWG. No. Δ=MO
•	♦	3	•	•	7	8	•	•	11	12	•	•	•	•	•	•	•	•	

3 D — Differential
S — Single-ended

7 8 Δ — Maximum
* — Minimum
◻ — Input logic level
♦ — Hysteresis voltage
⊗ — Input threshold current

11 12 * — Minimum
Δ — Maximum
† — Typical
§ — 3-state
⊗ — Output current

22. SENSE AMPLIFIERS

IN ORDER OF: (1)CKTS/DEV. (2)TYPE OF MEMORY
(3)MIN.INPUT THRESHOLD VOLT. & (4)TYPE No.

LINE No.	4 TYPE NUMBER	1 CKTS PER DEV.	2 TYPE OF MEM-ORY	3 INPUT THRESHOLD VOLTAGE		No. INP. CHAN. PER CKT.	COMM. MODE V. P-P (V)	T E C H N I C A N	OUTPUT LOGIC LEVEL		RATED PWR. SUPPLY SPAN		ADDIT. FUNCT-IONS AVAIL.	MAX. PROP. DELAY tpd (s)	MAX. OPERATE PWR. DISS. (W)	OPER. TEMP.		DRAWINGS	
				MIN (V)	MAX. (V)				HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)				(-) (°C)	(+) (°C)	LOGIC DWG. No.	OUTLINE DWG. No. Δ=MO
•	♦	4	5	6	•	•	•	10	11	•	•	14	•	•	•	•	•		

4 ARM — Read mostly memory (Amorphous)
COR — CORE
MAT — Magnetic tape
MBM — Magnetic bubble memory
MOS — MOS
NMS — NMOS
PLW — Plated wire

5 6 † — Typical
◻ — Input logic level
⊗ — Input threshold current
§ — Maximum recommended differential input voltage

10 11 * — Minimum
Δ — Maximum
† — Typical
§ — 3-state

14 L — Latch
R — Register

- See SYMBOLS AND CODES COMMON TO MORE THAN ONE SECTION
- ♦ See SYMBOL FOLLOWING TYPE NO. & IN TYPE NO. CROSS INDEX

INTERPRETER

SYMBOLS & CODES EXPLAINED

23. SAMPLE/HOLD

IN ORDER OF: (1)MIN. P-P INPUT VOLT.
(2)MIN. P-P Vo (3)MAX.ACQ TIME &(4)TYPE No.

LINE No.	4 TYPE NUMBER	INPUT		OUTPUT		SAMPLE			MODE CNTRL VOLTAGE		RATED PWR. SUPPLY SPAN		MAX. OPERATE PWR.		OPER. TEMP.		DRAWINGS	
		1 MIN. VOLT. P-P (V)	IMPEDANCE (Ω)	2 MIN. VOLT. P-P (V)	MIN. CURR. P-P (A)	SLEW RATE (V/us)	3 MAX. ACQUISITION TIME (s)	MAX. @OUT TIME (%)	MAX. SMALL APER TIME (s)	SIGNAL BW (Hz)	HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)	DISS. (W)	(-) (°C)	(+) (°C)	LOGIC DWG. No.
•	♦ 2	3	4	5	6	8	10	11	12	13	•	•	•	•	•	•	•	•

- 2** § — Peak detector
- 3** □ — Absolute maximum
† — Typical
- 4** Δ — Maximum
* — Minimum
- 5** † — Typical
- 6** Δ — Maximum
- 8** † — Typical
- 10** † — Typical
□ — Aperture plus aperture delay time
- 11** □ — Full power bandwidth at rated output
§ — Gain - bandwidth product
- 12 13** † — Typical
Δ — Maximum
* — Minimum

24. SCHMITT TRIGGERS

IN ORDER OF: (1)HYSTERESIS VOLT.
(2)+ GOING INP.THR.S.V.(3)CKTS/DEV &(4)TYPE No

LINE No.	4 TYPE NUMBER	1 HYST-ERES VOLT. (V)	INPUT THRESHOLD VOLT.			3 CKTS PER DEV.	LOGIC CODE	NOISE IMMUN-ITY (V)	MAX. PROP. DELAY tpd (s)	T E C H N	OUTPUT LOGIC LEVEL		RATED PWR. SUPPLY SPAN		MAX. OPERATE PWR.		OPER. TEMP.		DRAWINGS	
			2 POS. GOING (V)	NEG. GOING (V)	MAX. CURR. (A)						HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)	DISS. (W)	(-) (°C)	(+) (°C)	LOGIC DWG. No.	OUTLINE DWG. No. Δ=MO	
•	♦	4	5	6	8	•	•	12	13	•	•	•	•	•	•	•	•	•	•	

- 4 5** Δ — Maximum
* — Minimum
- 6** † — Typical
- 8** AND — AND
EXR — Exclusive OR
INV — Inverting
MUL — Multiple
NAND — NAND
NIV — Non-inverting
NOR — NOR
NAIV — NAND/Inverter
NOIV — NOR/Inverter
NIIV — INV/Non-inverting
NAAD — AND/NAND
NONI — NOR/Non-inverting
OR — OR
ORNO — OR/NOR
- 12 13** * — Minimum
Δ — Maximum
† — Typical
§ — 3-state
∅ — Open Collector

25. SPECIAL DEVICES

IN ORDER OF: (1)TYPE CODE &(2)TYPE NUMBER

LINE No.	2 TYPE NUMBER	1 TYPE CODE	T E C H N	INPUT LOGIC LEVEL		RATED PWR. SUPPLY SPAN		MAX. OPERATE POWER DISS. (W)	OPER. TEMP. (-) (°C) (+) (°C)	GENERAL DESCRIPTION	DRAWINGS	
				HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)				LOGIC DWG. No.	OUTLINE DWG. No. Δ=MO
•	♦	3	•	5	•	•	•	•	•	•	•	

- 3** 1: Priority encoder
2: Universal asynchronous receiver/transmitter (UART)
3: Data acquisition system
4: Clamp/terminator
5: Programmer/sequencer
6: Special transmitting/receiving interface device
- 7: Converter sub-system
8: Memory interface sub-system
9: Touch control switch interface
10: Programmable power source
11: Telecommunications device
12: Transducer device
13: Synchro conversion device
14: Keyboard encoder
15: Signal Conditioner
16: Universal Synchronous
- 5** § — Signal amplitude (rms).
- 17: CODEC and D/A

• See SYMBOLS AND CODES COMMON TO MORE THAN ONE SECTION
♦ See SYMBOL FOLLOWING TYPE NO. & IN TYPE NO. CROSS INDEX

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
8T100	PHIN	11-29	54LS366PC	RTN	8-52	816-50-B1	BECK	40-30	7525DC	FSC	35-53	55463HM	FSC	13-39
8T101	PHIN	11-30	54LS366W	RTN	8-64	816-50-B2	BECK	40-31	7529DC	FSC	35-54	55464HM	FSC	13-40
8T110F	PHIN	33-50	54LS367DM	FSC	10-35	816-55-A1	BECK	40-32	7532FC	PHIN	36-10	55470DM	FSC	13-59
8T111F	PHIN	33-51	54LS367FM	FSC	10-36	816-55-A2	BECK	40-33		SIC		55470FM	FSC	13-60
25LS138JC	RTN	32-1	54LS367J	RTN	10-45	816-55-B1	BECK	40-34	7532N	PHIN	36-11	55471HM	FSC	13-50
25LS138J	RTN	32-2	54LS367W	RTN	10-46	816-55-B2	BECK	40-35		SIC		55472HM	FSC	13-51
25LS138WC	RTN	32-3	54LS368DM	FSC	8-53	845-B5	BECK	21-76	7534DC	FSC	36-12	55473HM	FSC	13-52
25LS138WM	RTN	32-4	54LS368FM	FSC	8-54	845-B10	BECK	21-78	7534F	PHIN	36-13	55474HM	FSC	13-53
25LS139JC	RTN	32-27	54LS368J	RTN	8-65	845-U5	BECK	21-75		SIC		75109DC	FSC	11-23
25LS139W	RTN	32-28	54LS368W	RTN	8-66	845-U10	BECK	21-77	7534N	PHIN	36-14	75110DC	FSC	11-24
25LS139WC	RTN	32-29	54LS399DM	FSC	30-56	848-B5	BEC	22-52		SIC		75207DC	FSC	36-44
25LS139WM	RTN	32-30	54LS399FM	FSC	30-57	848-B10	BEC	22-53	7535DC	FSC	35-55	75208DC	FSC	36-45
25LS151JC	RTN	29-3	74F04PC	FSC	8-23	848-U10	BEC	22-54	7538DC	FSC	36-15	75224DC	FSC	36-17
25LS151J	RTN	29-4	74F04J	RTN	8-24	872-D2	BECK	23-97	7538PC	FSC	36-16	75224PC	FSC	36-18
25LS151WC	RTN	29-5	74LS04J	RTN	8-40	873-78B1	BECK	19-14	7539DC	FSC	35-56	75225DC	FSC	35-66
25LS151WM	RTN	29-6	74LS04W	RTN	8-41	873-78U1	BECK	19-15	7539PC	FSC	35-57	75225PC	FSC	35-67
25LS153JC	RTN	29-9	74LS05J	RTN	8-42	876-B5-D1	BECK	18-49	7581	OEI	21-5	75233DC	FSC	35-68
25LS153J	RTN	29-10	74LS05W	RTN	8-43	876-B5-D2	BEC	18-55	7582	OEI	21-8	75233PC	FSC	35-69
25LS153WC	RTN	29-92	74LS13J	RTN	38-9	876-B5-D3	BEC	18-61	9368DM	FSC	14-20	75234DC	FSC	36-19
25LS153W	RTN	29-93	74LS14J	RTN	38-10	876-B10-D1	BECK	18-50	9500-2	DDC	40-99	75235DC	FSC	35-70
25LS153WM	RTN	29-94	74LS14W	RTN	38-14	876-B10-D2	BECK	18-56	9500-4	DDC	40-100	75239DC	FSC	35-71
25LS157JC	RTN	30-34	74LS28J	RTN	38-15	876-B10-D3	BECK	18-62	9501-2	DDC	40-101	75239PC	FSC	35-72
25LS157J	RTN	30-35	74LS28W	RTN	10-88	876-U5-D1	BEC	18-51	9501-4	DDC	40-102	75324A	MULB	12-41
25LS157WC	RTN	30-36	74LS33J	RTN	10-89	876-U5-D2	BEC	18-57	9502-2	DDC	40-103		SIC	
25LS157WM	RTN	30-37	74LS33W	RTN	10-90	876-U5-D3	BEC	18-63	9502-4	DDC	40-104	75361AF	MULB	25-80
25LS158JC	RTN	30-38	74LS37J	RTN	9-104	876-U10-D1	BECK	18-52	9503-2	DDC	40-105		SIC	
25LS158J	RTN	30-39	74LS37W	RTN	9-105	876-U10-D2	BECK	18-58	9503-4	DDC	40-106	75361AV	MULB	25-81
25LS158WC	RTN	30-40	74LS38J	RTN	9-106	876-U10-D3	BEC	18-64	9506-2	DDC	40-107		SIC	
25LS158W	RTN	30-41	74LS40J	RTN	9-107	877-69C-D1	BEC	24-31	9506-4	DDC	41-1	75451AHC	FSC	13-22
25LS251JC	RTN	29-7	74LS40W	RTN	9-107	877-69C-D2	BEC	24-39	9508-2	DDC	41-2	75451BHC	FSC	13-23
25LS251J	RTN	29-8	74LS125DC	FSC	10-26	877-80V	BECK	22-80	9508-4	DDC	41-3	75452AHC	FSC	13-24
25LS251WC	RTN	29-9	74LS125FC	FSC	10-27	877-85-D1	BECK	22-81	9509-2	DDC	41-4	75452BHC	FSC	13-25
25LS251W	RTN	29-10	74LS125J	RTN	10-31	877-85-D2	BECK	22-81	9510-2	DDC	41-5	75453AHC	FSC	13-26
25LS253JC	RTN	29-95	74LS125W	RTN	10-28	877-85V-D1	BECK	23-49	9510-4	DDC	41-6	75453BHC	FSC	13-27
25LS253J	RTN	29-96	74LS126J	RTN	10-32	877-85V-D2	BECK	22-102	9515-2	DDC	41-7	75454AHC	FSC	13-28
25LS253WC	RTN	29-97	74LS126W	RTN	8-19	877-85V-D3	BECK	23-51	9515-4	DDC	41-8	75454BHC	FSC	13-29
25LS253W	RTN	29-98	74LS132J	RTN	8-20	1623-FCL-03	none	40-86	9516-2	DDC	41-9	75461HC	FSC	13-41
25LS257JC	RTN	30-42	74LS132W	RTN	38-12	1637-3CS089100RCP883	none	40-87	9612AHC	FSC	11-14	75462HC	FSC	13-42
25LS257J	RTN	30-43	74LS138J	RTN	32-7	1637-3MS08900RCP883	none	40-88	9612EHC	FSC	11-13	75463HC	FSC	13-43
25LS257WC	RTN	30-44	74LS138W	RTN	32-8		none	40-89	9612HC	FSC	11-15	75470DC	FSC	13-44
25LS257WM	RTN	30-45	74LS139J	RTN	32-43		none	40-89	9613HC	FSC	33-12	75471HC	FSC	13-54
25LS258JC	RTN	30-46	74LS139W	RTN	32-44		none	40-89	9613HM	FSC	33-13	75472HC	FSC	13-55
25LS258J	RTN	30-47	74LS145DC	FSC	14-74	1661B-MO2	none	40-90	9616FM	FSC	11-49	75473HC	FSC	13-56
25LS258WC	RTN	30-48	74LS145FC	FSC	14-75	2013	DMC	21-9	9620DC	FSC	33-5	75474HC	FSC	13-57
25LS258W	RTN	30-49	74LS145PC	FSC	14-76	2400	DMC	21-80	9620DM	FSC	33-6	78207PC	none	36-39
54F04DM	FSC	8-21	74LS151J	RTN	29-20	2502C/D	INL	40-36	9620FM	FSC	33-7	100163DC	FSC	30-26
54F04FM	FSC	8-22	74LS151W	RTN	29-21	2502CJE	INL	40-37	9620PC	FSC	33-8	100163FC	FSC	30-27
54LS04BL	RTN	8-31	74LS152J	RTN	29-22	2502CPE	INL	40-38	9620PC	FSC	33-8	100164DC	FSC	29-89
54LS04CH	RTN	8-28	74LS152W	RTN	29-23	2502M/D	INL	40-39	9621DM	FSC	11-37	100164FC	FSC	29-90
54LS05BL	RTN	8-32	74LS153J	RTN	29-106	2502MJE	INL	40-40	9621FM	FSC	11-38	100165DC	FSC	39-1
54LS05CH	RTN	8-33	74LS153W	RTN	29-107	2503C/D	INL	40-41	9621PC	FSC	11-36	100165FC	FSC	39-2
54LS05J	RTN	8-34	74LS155J	RTN	32-45	2503CJE	INL	40-42	9622FM	FSC	33-18	100170DC#1	FSC	32-10
54LS05W	RTN	8-35	74LS155W	RTN	32-46	2503CPE	INL	40-43	9622FM	FSC	25-79	100170DC#2	FSC	32-67
54LS13J	RTN	38-7	74LS156J	RTN	32-47	2503M/D	INL	40-44	9622FM	FSC	23-11	100170FC#1	FSC	32-11
54LS13W	RTN	38-8	74LS156W	RTN	32-48	2503MJE	INL	40-45	9623FM	FSC	35-75	100170FC#2	FSC	32-68
54LS28CH	RTN	10-82	74LS157J	RTN	30-65	2504C/D	INL	40-46	9624FM	FSC	11-18	100171DC	FSC	30-28
54LS28J	RTN	10-83	74LS157W	RTN	30-66	2504CJE	INL	40-47	9624FM	FSC	34-10	100171FC	FSC	30-29
54LS28W	RTN	10-84	74LS158J	RTN	30-67	2504CPG	INL	40-48	9640DC	FSC	34-11	A851-10	ITI	18-3
54LS33CH	RTN	10-85	74LS158W	RTN	30-68	2504CPE	INL	40-48	9640DM	FSC	34-12	A851-12	ITI	18-73
54LS33J	RTN	10-86	74LS251J	RTN	29-24	2504M/J	INL	40-49	9640FM	FSC	34-13	A853-8	ITI	17-76
54LS33W	RTN	10-87	74LS251W	RTN	29-25	2808	DMC	18-67	9640PC	FSC	34-14	A860-12	ITI	22-65
54LS37CH	RTN	9-91	74LS253J	RTN	29-108	2810	DMC	18-72	9641DC	FSC	34-15	A861-8	ITI	21-21
54LS37J	RTN	9-92	74LS253W	RTN	29-109	2812	DMC	18-75	9641DM	FSC	34-16	A861-10	ITI	21-90
54LS37W	RTN	9-93	74LS255J	RTN	32-49	3207	DDC	40-91	9641FM	FSC	34-17	A862-12	ITI	22-82
54LS38CH	RTN	9-94	74LS255W	RTN	32-50	3207A-1F	MULB	12-36	9642PC	FSC	34-18	A8503	ITI	17-28
54LS38J	RTN	9-95	74LS257J	RTN	30-69		PHIN		9643DC	FSC	25-59	AD02-883AW	PMI	20-3
54LS38W	RTN	9-96	74LS257W	RTN	30-70	3207AF	MULB	12-37	9643PC	FSC	25-60	AD02-883W	PMI	20-4
54LS40CH	RTN	9-62	74LS258J	RTN	30-71		PHIN		9645DC	FSC	25-64	AD02AW	PMI	20-5
54LS40J	RTN	9-63	74LS258W	RTN	30-72	3221	DDC	40-92	9645PC	FSC	25-65	AD02CW	PMI	20-6
54LS40W	RTN	9-64	74LS298J	RTN	30-73	3282	DDC	40-93	9646DC	FSC	12-19	AD02EW	PMI	20-7
54LS125DM	FSC	10-24	74LS298W	RTN	30-74	3293	DDC	40-94	9646PC	FSC	12-20	AD02W	PMI	20-8
54LS125FM	FSC	10-25	74LS365DC	FSC	10-37	3548	DDC	40-95	10014DM	FSC	40-12	ADAC-1	DDC	24-16
54LS125J	RTN	10-29	74LS365FC	FSC	10-38	3549	DDC	40-96	10014FM	FSC	40-13	ADAC-3	DDC	24-17
54LS125W	RTN	10-30	74LS365J	RTN	10-55	3732	DDC	40-97	55109DM	FSC	11-19	ADAC-3BCD	DDC	24-26
54LS126J	RTN	8-17	74LS365PC	FSC	10-39	3733	DDC	40-98	55109FM	FSC	11-20	ADC30-08N-BTC	DDC	17-73
54LS126W	RTN	8-18	74LS365W	RTN	10-56	4013-1/25	BUB	37-18	55110DM	FSC	11-21		BUB	
54LS145DM	FSC	14-72	74LS366DC</											

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

I N T E R F A C E	TYPE No.				TYPE No.				TYPE No.				TYPE No.			
	TYPE No.	MFRS	Pg&Line	MFRS	TYPE No.	MFRS	Pg&Line	MFRS	TYPE No.	MFRS	Pg&Line	MFRS	TYPE No.	MFRS	Pg&Line	MFRS
	ADC80AG-10	†MNC	18- 21	ADC-CM10B2	†DTL	18- 28	ADC-N12B2A	†DTL	17-104	CD4555BK	†RCA	32- 25	DAC50-08B-BTC	†MFRS	21- 63	
	ADC80AG-12	†MNC	19- 1	ADC-CM10B2-EX	†DTL	18- 29	ADC-N12B3B	†DTL	17-105	CD4556BK	†RCA	32- 26	†BUB			
	ADC541-8	†HBC	17- 59				ADC-N12B3C	†DTL	17-106	CD22100K	†RCA	26- 67	DAC50-08U-CBI	†MFRS	21- 42	
	ADC550-10-E-G-MIL	†HBC		ADC-CM10B	†DTL	18- 30	ADC-N12B4B	†DTL	18- 1	CD40106BK	†RCA	38- 34	†BUB			
	ADC550-10-E-MIL	†HBC	19- 72	ADC-CM10B-EX	†DTL	18- 31	ADC-N12B4C	†DTL	18- 2	CD40109BK	†RCA	25- 57	DAC50-10B-BIN	†MFRS	22- 22	
			19- 73	ADC-CM12B2	†DTL	19- 19	ADC-P8B1A	†DTL	18- 37	CD40257BK	†RCA	30- 33	†BUB			
				ADC-CM12B2-EX	†DTL	19- 20	ADC-P8B2A	†DTL	18- 38	CD40257BY	†RCA	30- 64	DAC50-10B-BTC	†MFRS	22- 23	
	ADC550-10-LD-G-MIL	†HBC					ADC-P8B3B	†DTL	17- 37	CH1032	†CER	12- 3	†BUB			
			19- 74	ADC-CM12B	†DTL	19- 21	ADC-P8B3C	†DTL	17- 38	CH1034	†CER	12- 18	DAC50-10U-CBI	†MFRS	21- 95	
	ADC550-10-LD-MIL	†HBC	19- 75	ADC-CM12B-EX	†DTL	19- 22	ADC-P8B4B	†DTL	17- 39	CH1038	†CER	12- 1	†BUB			
				ADC-D8B	†DTL	17- 63	ADC-P8B4C	†DTL	17- 40	CH1060	†CER	12- 23	DAC50-12B-BCD	†MFRS	23- 86	
	ADC550-10-S-G-MIL	†HBC		ADC-D10B	†DTL	18- 25	ADC-P10B1A	†DTL	17- 91	CH1070	†CER	40- 14	†BUB			
			19- 76	ADC-D12B	†DTL	19- 16	ADC-P10B2A	†DTL	17- 92	CH2001A	†CER	13- 9	DAC50-12B-BIN	†MFRS	23- 56	
	ADC550-10-S-MIL	†HBC	19- 77	ADC-EP14B5	†DTL	20- 10	ADC-P10B3B	†DTL	17- 93	CM1150	†CER	11- 47	†BUB			
				ADC-EP14B6	†DTL	20- 11	ADC-P10B3C	†DTL	17- 94	CM1151	†CER	11- 48	DAC50-12B-BTC	†MFRS	23- 57	
	ADC550-12-E-G-MIL	†HBC		ADC-EP16D5	†DTL	20- 13	ADC-P10B4B	†DTL	17- 95	CM4104AE	†SOD	25- 76	†BUB			
			19- 4	ADC-EP16D6	†DTL	20- 14	ADC-P10B4C	†DTL	17- 96	CM4104AF	†SOD	25- 77	DAC50-12U-CBI	†MFRS	23- 1	
	ADC550-12-E-MIL	†HBC	19- 5	ADC-ER8D	†DTL	17- 21	ADC-TV8B14	†DTL	17- 25	CM4104AH	†SOD	25- 78	†BUB			
				ADC-ER8D	†DTL	17- 82	ADC-TV8B15	†DTL	17- 26	CM4108AD	†SOD	28- 24	DAC50-12U-CCD	†MFRS	23- 81	
	ADC550-12-LD-G-MIL	†HBC		ADC-ER10B	†DTL	17- 83	ADC-TV8B16	†DTL	17- 27	CM4108AE	†SOD	28- 25	†BUB			
			19- 6	ADC-ER12D	†DTL	19- 24	ADC-TV8B24	†DTL	17- 29	CM4108AF	†SOD	28- 26	DAC80-CBI-I#	†MNC	23- 2	
	ADC550-12-LD-MIL	†HBC	19- 7	ADC-H4B1A	†DTL	17- 3	ADC-TV8B26	†DTL	17- 30	COM8010	none	39- 10	DAC80-CBI-V#	†MNC	23- 3	
				ADC-H4B2A	†DTL	17- 4	ADC-TV8B	†DTL	17- 24	COM8146	none	40- 17	DAC80-CCD-I#	†MNC	23- 4	
	ADC550-12-S-G-MIL	†HBC		ADC-H4B3B	†DTL	17- 5	ADC-UH6B2	†DTL	17- 17	D123BL	†SIX	16- 17	DAC80-CCD-V#	†MNC	23- 5	
			19- 8	ADC-H4B3C	†DTL	17- 6	ADC-UH6B	†DTL	17- 18	D125BL	†SIX	16- 18	DAC100	†TRW	21- 2	
	ADC550-12-S-MIL	†HBC	19- 9	ADC-H4B4B	†DTL	17- 7	ADC-VH4B2	†DTL	17- 9	D129BL	†SIX	16- 12	DAC100BAN9	†PMI	22- 13	
				ADC-H4B4C	†DTL	17- 8	ADC-VH4B	†DTL	17- 10	D130BL	†SIX	16- 3	DAC100BAQ1	†PMI	22- 14	
	ADC560-3-BCD	†HBC	19- 51	ADC-H6B1A	†DTL	17- 11	ADC-VH6B2	†DTL	17- 19	D132AL	†SIX	16- 13	DAC100BAQ2	†PMI	22- 15	
	ADC560-3-BCD-E	†HBC	19- 52	ADC-H6B2A	†DTL	17- 12	ADC-VH6B	†DTL	17- 20	D132AP	†SIX	16- 14	DAC100DDN9	†PMI	22- 39	
				ADC-H6B3B	†DTL	17- 13	ADC-VH8B2	†DTL	17- 71	D132BL	†SIX	16- 15	DAC101	†TRW	21- 1	
	ADC560-3-BCD-E-MIL	†HBC		ADC-H6B3C	†DTL	17- 14	ADC-VH8B	†DTL	17- 72	D132BP	†SIX	16- 16	DAC327	†HBC	24- 50	
			19- 53	ADC-H6B4B	†DTL	17- 15	ADDAC80Z-CBI-V		23-102	D139BL	†SIX	16- 2	DAC327B-4D	†HBC	24- 51	
	ADC560-3-BCD-LD	†HBC	19- 54	ADC-H6B4C	†DTL	17- 16				DAC02ACX2	†PMI	22- 16	DAC327B-4D-ER	†HBC	24- 52	
				ADC-H8-1	†DDC	17- 57	ADH-8/1	†DDC	20- 2	DAC02BCX2	†PMI	21- 79	†HBC			
	ADC560-3-BCD-LD-MIL	†HBC		ADC-H8-3	†DDC	17- 58	ADH-9/1	†DDC	20- 1	DAC02CCX2	†PMI	21- 24	DAC327B-16	†HBC	24- 44	
			19- 55	ADC-H8B1A	†DTL	17- 31	ADH-10/1	†DDC	19- 45	DAC02DDX2	†PMI	21- 8	DAC327B-16-ER	†HBC	24- 45	
	ADC560-3-BCD-MIL	†HBC	19- 56	ADC-H8B2A	†DTL	17- 32	ADH-11/5	†DDC	19- 26	DAC05-883AX2	†PMI	22- 47	†HBC			
				ADC-H8B3B	†DTL	17- 33	ATF456	†APX	16- 1	DAC05-883BX2	†PMI	22- 55	DAC334	†HBC	21- 19	
	ADC560-12A	†HBC	18- 90	ADC-H8B3C	†DTL	17- 34	AY5-1012	†GIC	39- 9	DAC05-883CX2	†PMI	22- 58	DAC334-8-M/B	†HBC	21- 22	
	ADC560-12A-E	†HBC	18- 91	ADC-H8B4B	†DTL	17- 35	B05030	†BOW	14- 12	DAC05AX2	†PMI	22- 48	DAC334-8-M/C	†HBC	21- 23	
	ADC560-12A-E-G	†HBC	18- 92	ADC-H8B4C	†DTL	17- 36	B05031	†BOW	14- 13	DAC05BX2	†PMI	22- 56	DAC345I-10-BP	†HBC	23- 73	
				ADC-H10-1	†DDC	18- 5	BDACH-1	†DDC	24- 29	DAC05CX2	†PMI	22- 59	†HBC			
	ADC560-12A-E-G-MIL	†HBC		ADC-H10-3	†DDC	18- 6	BDACH-3	†DDC	24- 30	DAC05EX2	†PMI	22- 49	DAC345I-10-UP	†HBC	23- 74	
			18- 93	ADC-H10B1A	†DTL	17- 85	BDACL-1	†DDC	24- 35	DAC05FX2	†PMI	22- 57	†HBC			
	ADC560-12A-E-MIL	†HBC	18- 94	ADC-H10B2A	†DTL	17- 86	BDACL-3	†DDC	24- 36	DAC05GX2	†PMI	22- 60	DAC345I-12-BP	†HBC	22- 88	
				ADC-H10B3B	†DTL	17- 87	BI9501	†BUR	14-107	DAC12GV	†PMI	23- 48	†HBC			
	ADC560-12A-G	†HBC	18- 95	ADC-H10B3C	†DTL	17- 88	BI9502	†BUR	14-108	DAC12HV	†PMI	23- 70	DAC345I-12-UP	†HBC	22- 89	
	ADC560-12A-G-MIL	†HBC	18- 96	ADC-H10B4B	†DTL	17- 89	C670-090ABC	none	41- 12	DAC12QZ-BIN	†BUB	22-103	†HBC			
				ADC-H10B4C	†DTL	17- 90	C670-090BC	none	41- 13				DAC347-10	†HBC	21- 99	
	ADC560-12A-LD	†HBC	18- 97	ADC-H12-1	†DDC	18- 88	C670-090M	none	41- 14				DAC347-10-G	†HBC	21-100	
				ADC-H12-3	†DDC	18- 89	C670-090MP	none	41- 15				DAC347-10-G-M/B	†HBC	21-101	
	ADC560-12A-LD-G	†HBC	18- 98	ADC-HF12BGC	†DTL	18- 68	C670-180AB	none	41- 16	DAC20-08B-BTC	†BUB	21- 58	†HBC			
				ADC-HF12BMC	†DTL	18- 69	C670-180BC	none	41- 17				DAC347-10-G-M/C	†HBC	21-102	
	ADC560-12A-LD-G-MIL	†HBC		ADC-HF12BMM	†DTL	18- 70	C670-180M	none	41- 18	DAC20-08B-USB	†BUB	21- 25	†HBC			
			18- 99	ADC-HF12BMR	†DTL	18- 71	CD4007AK	†RCA	8- 6				DAC347-10-M/B	†HBC	21-103	
	ADC560-12A-LD-MIL	†HBC		ADC-K8B	†DTL	17- 64	CD4007BK	†RCA	8- 8	DAC20-08U-BOB	†BUB	21- 59	†HBC			
			18-100	ADC-K10B	†DTL	18- 26	CD4009AK	†RCA	25- 8				DAC347-10-M/C	†HBC	21-104	
	ADC560-12A-MIL	†HBC	18-101	ADC-K12B	†DTL	19- 17	CD4009AY	†RCA	25- 9	DAC20-08U-USB	†BUB	21- 26	†HBC			
				ADC-M8B1A1	†DTL	17- 45	CD4009BD	†RCA	25- 10				DAC347-12	†HBC	23- 25	
	ADC560-12B	†HBC	19- 30	ADC-M8B1B1	†DTL	17- 46	CD4009BE	†RCA	25- 11	DAC20-10B-BOB	†BUB	22- 17	DAC347-12-G	†HBC	23- 26	
	ADC560-12B-E	†HBC	19- 31	ADC-M8B1C3	†DTL	17- 47	CD4009BF	†RCA	25- 12				DAC347-12-G-M/B	†HBC	23- 27	
	ADC560-12B-E-G	†HBC	19- 32	ADC-M8B1C4	†DTL	17- 48	CD4009BH	†RCA	25- 13	DAC20-10B-BTC	†BUB	22- 18	†HBC			
				ADC-M8B1D3	†DTL	17- 49	CD4009BK	†RCA	25- 14				DAC347-12-G-M/C	†HBC	23- 28	
	ADC560-12B-E-G-MIL	†HBC		ADC-M8B1D4	†DTL	17- 50	CD4009BY	†RCA	25- 15	DAC20-10B-USB	†BUB	21- 91	†HBC			
			19- 33	ADC-M8B2A1	†DTL	17- 51	CD4009UBK	†RCA	25- 16				DAC347-12-M/B	†HBC	23- 29	
	ADC560-12B-E-MIL	†HBC	19- 34	ADC-M8B2B1	†DTL	17- 52	CD4010AK	†RCA	25- 17	DAC20-10U-BOB	†BUB	22- 19	†HBC			
				ADC-M8B2C3	†DTL	17- 53	CD4010AY	†RCA	25- 18				DAC347-12-M/C	†HBC	23- 30	
	ADC560-12B-G	†HBC	19- 35	ADC-M8B2D4	†DTL	17- 54	CD4010BK	†RCA	25- 19	DAC20-10U-USB	†BUB	21- 92	†HBC			
	ADC560-12B-G-MIL	†HBC	19- 36	ADC-M8B2D3	†DTL	17- 55	CD4010BY	†RCA	25- 20				DAC348-10-M/C	†HBC	22- 1	
				ADC-M8B2D4	†DTL	17- 56	CD4016AK	†RCA	26- 19	DAC20-12B-BCD	†BUB	22- 86	†HBC			
	ADC560-12B-LD	†HBC	19- 37	ADC-M8D1A2	†DTL	17- 77	CD4016AY	†RCA	26- 20				DAC348-12-M/C	†HBC	23- 31	
				ADC-M8D1B2	†DTL	17- 78	CD4016BK	†RCA	26- 24	DAC20-12B-BOB	†BUB	23- 52	†HBC			
	ADC560-12B-LD-G	†HBC	19- 38	ADC-M8D2A2	†DTL	17- 79	CD4041AK	†RCA	25- 54				DAC355-4-BCD	†HBC	24- 43	
				ADC-M8D2B2	†DTL</											

1. TYPE No. CROSS INDEX

TYPE No.				MFRS Pg&Line				TYPE No.				MFRS Pg&Line				TYPE No.				MFRS Pg&Line				TYPE No.				MFRS Pg&Line				IN TYPE NUMBER SEQUENCE							
DAC-1508-883-80				none				DAC-VR881A				DTL 21-33				DAS-16L-12B2A1				39-59				DG1168B				*SIX 26-94				DS7521J				*NSC 35-7			
DAC-120Z/BCD				*HBC 23-82				DAC-VR881B				DTL 21-34				DAS-16L-12B2B1				39-60				DG1168P				*SIX 26-95				DS7521N				*NSC 35-8			
DAC-120Z/BIN				*HBC 23-8				DAC-VR882C				DTL 21-35				DAS-16L-12B2C1				39-61				DG123BL				*SIX 26-100				DS7522AJ				*NSC 35-34			
DAC-169-16B1				*DTL 24-48				DAC-VR882D				DTL 21-36				DAS-16L-12B2C3				39-62				DG126BL				*SIX 26-65				DS7523J				*NSC 35-9			
DAC-169-16D1				*DTL 24-49				DAC-VR883C				DTL 21-37				DAS-16L-12B2C4				39-63				DG129BL				*SIX 26-75				DS7523N				*NSC 35-10			
DAC-2531				*DDC 21-20				DAC-VR884A				DTL 21-70				DAS-16L-12B2D1				39-64				DG133BL				*SIX 26-53				DS7524AJ				*NSC 36-31			
DAC-CM8B				*DTL 21-50				DAC-VR884B				DTL 21-71				DAS-16L-12B2D3				39-65				DG139BL				*SIX 27-38				DS7525J				*NSC 35-77			
DAC-CM8B-EX				*DTL 21-51				DAC-VR10B1A				DTL 22-32				DAS-16L-12B2D4				39-66				DG140BL				*SIX 26-62				DS7525N				*NSC 35-78			
DAC-CM10B				*DTL 22-4				DAC-VR10B1B				DTL 22-33				DAS-16L-12D1A2				39-67				DG141BL				*SIX 27-21				DS7529J				*NSC 35-79			
DAC-CM10B-EX				*DTL 22-5				DAC-VR10B2C				DTL 22-34				DAS-16L-12D1B2				39-68				DG142BL				*SIX 27-20				DS7529N				*NSC 35-80			
DAC-CM12B				*DTL 23-34				DAC-VR10B2D				DTL 22-35				DAS-16L-12D2A2				39-69				DG143BL				*SIX 26-49				DS7535J				*NSC 35-81			
DAC-CM12B-EX				*DTL 23-35				DAC-VR10B3C				DTL 22-36				DAS-16L-12D2B2				39-70				DG144BL				*SIX 26-60				DS7535N				*NSC 35-82			
DAC-E8-BCD				*DDC 21-66				DAC-VR10B3D				DTL 22-37				DAS-16M-8B1A1				39-71				DG145BL				*SIX 26-60				DS7538AJ				*NSC 36-37			
DAC-E8-BIN				*DDC 21-16				DAC-VR12B1A				DTL 24-8				DAS-16M-8B1B1				39-72				DG146BL				*SIX 27-36				DS7885J				*NSC 14-44			
DAC-E10-BCD				*DDC 21-83				DAC-VR12B1B				DTL 24-9				DAS-16M-8B1C3				39-73				DG147BL				*SIX 26-48				DS8650N				*NSC 14-15			
DAC-E10-BIN				*DDC 21-84				DAC-VR12B2C				DTL 24-10				DAS-16M-8B1C4				39-74				DG171AA				*SIX 26-80				DS8651N				*NSC 14-21			
DAC-E12-BCD				*DDC 23-66				DAC-VR12B2D				DTL 24-11				DAS-16M-8B1D3				39-75				DG171BA				*SIX 26-52				DS8651N				*NSC 14-22			
DAC-E12-BIN				*DDC 22-70				DAC-VR12B3C				DTL 24-12				DAS-16M-8B2A1				39-76				DG173BL				*SIX 26-56				DS8651N				*NSC 14-106			
DAC-F18B				*DTL 21-14				DAC-VR12B3D				DTL 24-13				DAS-16M-8B2B1				39-77				DG180BL				*SIX 26-56				DS8673J				*NSC 14-101			
DAC-F10B				*DTL 21-82				DAC-VR12D4A				DTL 23-77				DAS-16M-8B2C3				39-78				DG181BL				*SIX 26-64				DS8674J				*NSC 14-102			
DAC-G18B				*DTL 21-11				DAC-VR12D4B				DTL 23-78				DAS-16M-8B2D4				39-79				DG182BL				*SIX 26-66				DS8674J				*NSC 14-103			
DAC-G10B				*DTL 21-81				DAS450H				*HBC 39-12				DAS-16M-8D1A2				39-80				DG183BL				*SIX 26-66				DS8674N				*NSC 14-104			
DAC-H88B				*DTL 21-43				DAS450HP				*HBC 39-13				DAS-16M-8D1B2				39-81				DG184BL				*SIX 26-66				DS8674N				*NSC 14-104			
DAC-HB10B				*DTL 21-96				DAS-8D-LP12B-A1				DTL 39-14				DAS-16M-8D2A2				39-82				DG185BL				*SIX 27-19				DS8844N				*NSC 14-23			
DAC-HB12B				*DTL 23-7				DAS-8D-LP12B-B1				DTL 39-15				DAS-16M-8D2B2				39-83				DG186BL				*SIX 27-15				DS8855N				*NSC 14-30			
DAC-HB12D				*DTL 23-83				DAS-8D-LP12B-C2				DTL 39-16				DAS-16M-8D2C3				39-84				DG187BL				*SIX 27-22				DS8864N				*NSC 14-31			
DAC-HV6B100				*DTL 21-3				DAS-8D-LP12B-C3				DTL 39-17				DAS-16M-8D1A2				39-85				DG188BL				*SIX 27-27				DS8865N				*NSC 14-26			
DAC-HV6B100-EX				*DTL 21-4				DAS-8D-LP12B-D2				DTL 39-18				DAS-16M-8D1B2				39-86				DG189BL				*SIX 27-29				DS8876N				*NSC 14-32			
DAC-HV8B100				*DTL 21-12				DAS-8D-LP12B-D3				DTL 39-19				DAS-16M-8D2A2				39-87				DG190BL				*SIX 26-57				DS8879N				*NSC 14-34			
DAC-HV8B100-EX				*DTL 21-13				DAS-16D-LP12B-A1				DTL 39-20				DAS-16M-8D2B2				39-88				DG200AP				*INL 26-6				ED-9				none			
DAC-HV10B100				*DTL 21-87				DAS-16D-LP12B-B1				DTL 39-21				DAS-16M-8D2C3				39-89				DG200BP				*SIX 26-58				EDAC-8-1				*DDC 22-50			
DAC-HV10B100-EX				*DTL 21-88				DAS-16D-LP12B-C2				DTL 39-22				DAS-16M-8D1A2				39-90				DG201AL				*SIX 26-59				EDAC-8-3				*DDC 22-51			
DAC-LG-10-1				*DDC 23-68				DAS-16D-LP12B-C3				DTL 39-23				DAS-16M-8D1B2				39-91				DG300AL				*SIX 27-68				EDAC-9-1				*DDC 22-45			
DAC-LG-10-3				*DDC 23-69				DAS-16D-LP12B-D2				DTL 39-24				DAS-16M-8D1C3				39-92				DG300BL				*SIX 27-69				EDAC-9-3				*DDC 22-46			
DAC-LG-11-1				*DDC 23-46				DAS-16L-8B1A1				DTL 39-25				DAS-16M-8D2A2				39-93				DG301AL				*SIX 27-23				EDAC-10-1				*DDC 22-43			
DAC-LG-11-3				*DDC 23-47				DAS-16L-8B1B1				DTL 39-26				DAS-16M-8D2B2				39-94				DG301BL				*SIX 27-24				EDAC-10-3				*DDC 22-44			
DAC-LG-12-1				*DDC 22-72				DAS-16L-8B1C3				DTL 39-27				DAS-16M-10B1A1				39-95				DG302AL				*SIX 27-72				EDAC-11-1				*DDC 22-40			
DAC-LG-12-3				*DDC 22-73				DAS-16L-8B1C4				DTL 39-28				DAS-16M-10B1B1				39-96				DG302BL				*SIX 27-73				EDAC-11-3				*DDC 22-41			
DAC-LGI-10-1				*DDC 23-64				DAS-16L-8B1D3				DTL 39-29				DAS-16M-10B1C3				39-97				DG303AL				*SIX 27-31				G116BL				*SIX 26-104			
DAC-LGI-10-3				*DDC 23-65				DAS-16L-8B1D4				DTL 39-30				DAS-16M-10B1D3				39-98				DG303BL				*SIX 27-32				G117BL				*SIX 26-110			
DAC-LGI-11-1				*DDC 23-44				DAS-16L-8B2A1				DTL 39-31				DAS-16M-10B1A1				39-99				DG304AL				*SIX 27-70				G118BL				*SIX 27-1			
DAC-LGI-11-3				*DDC 23-45				DAS-16L-8B2B1				DTL 39-32				DAS-16M-10B1B1				39-100				DG304BL				*SIX 27-71				G119BL				*SIX 26-91			
DAC-LGI-12-1				*DDC 22-68				DAS-16L-8B2C3				DTL 39-33				DAS-16M-10B1C3				39-101				DG305AL				*SIX 27-25				G122BL				*SIX 26-80			
DAC-LGI-12-3				*DDC 22-69				DAS-16L-8B2C4				DTL 39-34				DAS-16M-10B1D3				39-102				DG305BL				*SIX 27-26				G123BL				*SIX 26-97			
DAC-M18B				*DTL 21-17				DAS-16L-8B2D4				DTL 39-35				DAS-16M-10B2A1				39-103				DG306AL				*SIX 27-74				G124BL				*SIX 26-96			
DAC-M18D				*DTL 21-67				DAS-16L-8B2D4				DTL 39-36				DAS-16M-10B2B1				39-104				DG306BL				*SIX 27-75				G125AF				*SIX 27-57			
DAC-M110B				*DTL 21-89				DAS-16L-8D1A2				DTL 39-37				DAS-16M-10B2C3				39-105				DG307AL				*SIX 27-33				G126AF				*SIX 27-55			
DAC-M112B				*DTL 22-71				DAS-16L-8D1B2				DTL 39-38				DAS-16M-10B2C4				39-106				DG307BL				*SIX 27-34				G127AF				*SIX 27-53			
DAC-M112D				*DTL 23-67				DAS-16L-8D1C3				DTL 39-39				DAS-16M-10B2D4				39-107				DG508BL				*SIX 28-17				G128AF				*SIX 27-48			
DAC-MV8B				*DTL 21-40				DAS-16L-8D2A2				DTL 39-40				DAS-16M-10B2D4				39-108				DG509BL				*SIX 28-34				G128AP				*SIX 27-49			
DAC-MV8D				*DTL 21-72				DAS-16L-10B1A1				DTL 39-41				DAS-16M-10B2D4				39-109				DG515BDICE				*SIX 27-81				G128BP				*SIX 27-51			
DAC-MV10B				*DTL 21-93				DAS-16L-10B1B1				DTL 39-42				DAS-16M-10B2D4				39-110				DG515CDICE				*SIX 27-82				G128BP				*SIX 27-52			
DAC-MV12B				*DTL 22-100				DAS-16L-10B1C3				DTL 39-43				DAS-16M-10B2D4				39-111				DG516BDICE				*SIX 27-83				G129AF				*SIX 27-58			
DAC-MV12D				*DTL 23-79				DAS-16L-10B1C4				DTL 39-44				DAS-16M-10B2D4				39-112				DGM111BL				*SIX 26-2				G130AF				*SIX 27-56			
DAC-R8B				*DTL 21-44				DAS-16L-10B1D3				DTL 39-45				DAS-16M-10B2D4				39-113				DGM122BL				*SIX 26-27				G132AF				*SIX 27-54			
DAC-R8D				*DTL 21-73				DAS-16L-10B1D4				DTL 39-46				DAS-16M-10B2D4				39-114				DM7820A				*MULB 33-14				GFB74150				*RTCF 29-78			
DAC-R10B				*DTL 21-97				DAS-16L-10B1D4				DTL 39-47				DAS-16M-10B2D4				39-115				DM7820F				*PHIN 33-15				GFB74153				*RTCF 30-1			
DAC-R12B				*DTL 23-8				DAS-16L-10B2A1				DTL 39-48				DAS-16M-10B2D4				39-116				DM7830A				*MULB 33-19				GFB74157				*RTCF 30-76			
DAC-R12D				*DTL 23-84				DAS-16L-10B2B1				DTL 39-49				DAS-16M-10B2D4				39-117				DM7830F				*PHIN 33-20				HADC-9-1				*DDC 18-47			
DAC-S-C-CBI-I				*DDC 22-74				DAS-16L-10B2C3				DTL 39-50				DAS-16M-10B2D4				39-118				DM8820A				*MULB 33-16				HADC-9-3				*DDC 18-48			
DAC-S-C-CBI-V				*DDC 23-9				DAS-16L-10B2C4				DTL 39-51				DAS-16M-10B2D4				39-119				DM8820F				*PHIN 33-17				HADC-10-1				*DDC 18-43			
DAC-S-C-CCD-I				*DDC 22-75				DAS-16L-10B2D4				DTL 39-52				DAS-16M-10B2D4				39-120				DM8820F				*MULB 33-17				HADC-10-3				*DDC 18-44			
DAC-S-C-CCD-V				*DDC 23-10				DAS-16L-8D1A2				DTL 39-53				DAS-16M-10B2D4				39-121				DM8830A				*MULB 33-17				HD1-54C14				*HAS 38-36			
DAC-S-CCD-I				*DDC 22-76				DAS-16L-8D1B2				DTL 39-54				DAS-16M-10B2D4				39-122				DM8830F				*PHIN 33-17				HD1-74C14				*HAS 38-37			
DAC-S-CCD-V				*DDC 23-11				DAS-16L-8D2A2				DTL 39-55				DAS-16M-10B2D4				39-123				DM8830F				*MULB 33-21				HD1-245				*HAS 11-25			
DAC-SC-CBI-I				*DDC 22-66				DAS-16L-8D2B2				DTL 39-56				DAS-16M-10B2D4				39-124				DM8830F				*PHIN 33-21				HD1-246				*HAS 33-32			
DAC-SC-CBI-V				*DDC 22-67				DAS-16L-8D2C3				DTL 39-57				DAS-16M-10B2D4				39-125				DM8830F				*MULB 33-22				HD1-248				*HAS 33-33			
DAC-SC-CCD-I				*DDC 22-77				DAS-16L-8D2C4				DTL 39-58				DAS-16M-10B2D4				39-126				DM8880B				*MULB 14-43				HD1-249				*HAS 33-34			

1. TYPE No. CROSS INDEX

INTERFACE	TYPE No.			TYPE No.			TYPE No.			IN TYPE NUMBER SEQUENCE					
	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line			
	HEF4016P	MULB	26-21	ITS7327CPA	none	26-34	ITT55235J	♦ITT	35-93	MADC-11-3	♦DDC	18-42	MIC7446AJ	♦ITT	14-81
	♦PHIN	♦SIC		ITS7334CPA	none	27-65	ITT55325J	♦ITT	12-51	MAS1001-3-COB	none	18-4	MIC7446AN	♦ITT	14-82
		♦VALG		ITS7335CDA	none	26-35	ITT55325N	♦ITT	12-52	MAS-0801-P-3-C25C	none	17-41	MIC7446J	♦ITT	14-83
	HEF4019P	MULB	30-31	ITS57320MDD	none	27-66	ITT774145J	♦ITT	14-37			17-42	MIC7446N	♦ITT	14-84
	♦PHIN	♦SIC		ITS73334CDA	none	27-67	ITT774145N	♦ITT	14-38	MAS-0801-P-4-C0B	none	17-42	MIC7447AJ	♦ITT	14-85
		♦VALG		ITT54H04J	♦ITT	9-10	ITT774151J	♦ITT	29-32				MIC7447AN	♦ITT	14-86
	HEF4041P	MULB	25-7	ITT54H05J	♦ITT	9-11	ITT774151N	♦ITT	29-33	MAS-0801-P-4-C25C	none	17-43	MIC7447J	♦ITT	14-87
	♦PHIN	♦SIC		ITT54H04J	♦ITT	9-12	ITT775138J	♦ITT	34-24				MIC7448J	♦ITT	14-88
		♦VALG		ITT774H04N	♦ITT	9-12	ITT775138N	♦ITT	34-22	MAS-0801-P-5-C25C	none	17-44	MIC7448N	♦ITT	14-89
	HEF4051P	MULB	28-7	ITT774H04N	♦ITT	9-13	ITT775235J	♦ITT	38-24				MIC7448N	♦ITT	14-90
	♦PHIN	♦SIC		ITT774H05J	♦ITT	9-13	ITT775235J	♦ITT	38-24				MIC7448N	♦ITT	14-90
		♦VALG		ITT774H05N	♦ITT	9-15	ITT775235N	♦ITT	38-94	MC789AP	♦MOTA	8-26	MIC54130J	♦ITT	13-74
	HEF4052P	MULB	28-32	ITT774H05N	♦ITT	9-15	ITT775235N	♦ITT	12-42	MC789P	♦MOTA	8-25	MIC54131J	♦ITT	13-74
	♦PHIN	♦SIC		ITT774H40N	♦ITT	9-67	ITT775324B	♦ITT	12-43	MC799P	♦MOTA	8-5	MIC54135J	♦ITT	38-24
		♦VALG		ITT774H40N	♦ITT	9-68	ITT775324B	♦ITT	12-44	MC843G	♦MOTA	8-1	MIC54137J	♦ITT	38-29
	HEF4053P	MULB	28-36	ITT774LS0AN	♦ITT	8-29	ITT775325J	♦ITT	12-53	MC943G	♦MOTA	8-2	MIC54138J	♦ITT	13-81
	♦PHIN	♦SIC		ITT774LS13N	♦ITT	38-11	ITT775325N	♦ITT	12-51	MC1407L	♦MOTA	40-58	MIC54139J	♦ITT	13-75
		♦VALG		ITT774LS14N	♦ITT	38-16	ITT775361AN	♦ITT	25-61	MC1441F	♦MOTA	35-2	MIC54141J	♦ITT	14-48
	HEF4066P	MULB	26-18	ITT774LS138N	♦ITT	32-5	ITT775361AN	♦ITT	25-62	MC1441L	♦MOTA	35-2	MIC54155J	♦ITT	14-80
	♦PHIN	♦SIC		ITT774LS139N	♦ITT	32-40	ITT775361AP	♦ITT	25-63	MC1507L	♦MOTA	40-59	MIC54150J	♦ITT	29-81
		♦VALG		ITT774LS151N	♦ITT	29-26	ITT775365J	♦ITT	25-66	MC1541F	♦MOTA	35-3	MIC54151J	♦ITT	29-36
	HEF4067P	MULB	28-27	ITT491-5N	♦ITT	14-16	ITT775365N	♦ITT	25-67	MC1544L	♦MOTA	35-4	MIC54153J	♦ITT	30-5
	♦PHIN	♦SIC		ITT500-5N	♦ITT	14-18	ITT775450J	♦ITT	13-33	MC1543L	♦MOTA	35-44	MIC54154J	♦ITT	32-14
		♦VALG		ITT500-5N	♦ITT	14-19	ITT775451-5T	♦ITT	13-32	MC3510L	♦MOTA	22-9	MIC54155J	♦ITT	32-54
	HEF4093P	MULB	38-33	ITT501-5N	♦ITT	14-17	ITT775452-5T	♦ITT	13-33	MC3510P	♦MOTA	22-10	MIC54156J	♦ITT	32-55
	♦PHIN	♦SIC		ITT509-5N	♦ITT	14-27	ITT775453-5T	♦ITT	13-34	MC5522L	♦MOTA	36-7	MIC54157J	♦ITT	30-80
		♦VALG		ITT514-5N	♦ITT	14-28	ITT775454-5T	♦ITT	13-35	MC5523L	♦MOTA	35-95	MIC74130J	♦ITT	13-82
	HEF4511P	MULB	14-105	ITT514-5N	♦ITT	14-25	ITT775460J	♦ITT	13-58	MC5524L	♦MOTA	36-8	MIC74130N	♦ITT	13-83
	♦PHIN	♦SIC		ITT548A-5N	♦ITT	14-25	ITT775461-5T	♦ITT	13-46	MC7522L	♦MOTA	35-96	MIC74131J	♦ITT	13-76
		♦VALG		ITT548-5N	♦ITT	14-35	ITT775462-5T	♦ITT	13-49	MC7522P	♦MOTA	36-25	MIC74131N	♦ITT	13-77
	HEF4514P	MULB	32-12	ITT558-5N	♦ITT	14-36	ITT775463-5T	♦ITT	13-47	MC7522P	♦MOTA	36-28	MIC74135J	♦ITT	38-25
	♦PHIN	♦SIC		ITT1488-1J	♦ITT	11-57	ITT775464-5T	♦ITT	13-48	MC7523P	♦MOTA	35-97	MIC74135N	♦ITT	38-26
		♦VALG		ITT1489-1J	♦ITT	11-58	J5FC404	♦NPC	8-69	MC75113L	♦MOTA	35-98	MIC74137J	♦ITT	38-30
	HEF4515P	MULB	32-13	ITT1489-1J	♦ITT	33-66	J5FC440	♦NPC	9-110	MC83150P	♦MOTA	29-79	MIC74138J	♦ITT	13-84
	♦PHIN	♦SIC		ITT1489A-1J	♦ITT	33-67		♦NPC		MC93151P	♦MOTA	29-34	MIC74138N	♦ITT	13-85
		♦VALG		ITT1489A-5J	♦ITT	33-69		♦NPC		MC93150L	♦MOTA	29-80	MIC74139J	♦ITT	13-78
	HEF4519P	MULB	30-32	ITT5404J	♦ITT	8-77	K678-1M260100RC	none	41-25	MC93151L	♦MOTA	29-35	MIC74139N	♦ITT	13-79
	♦PHIN	♦SIC		ITT5405J	♦ITT	8-78	K678-4C180/SORC	none	41-26	MCC9016	♦CHE	38-32	MIC74141J	♦ITT	14-49
		♦VALG		ITT5407J	♦ITT	9-37		none		MCC9011	♦CHE	38-32	MIC74141N	♦ITT	14-50
	HEF4555P	MULB	32-23	ITT5407J	♦ITT	10-64	K678-7C180/CORC	none	41-27	MD4311BF	♦MITC	14-94	MIC74145J	♦ITT	14-81
	♦PHIN	♦SIC		ITT5413J	♦ITT	9-31	K6678-1C18010 none	none	41-28	MD4330BM	♦MITC	14-110	MIC74145N	♦ITT	14-82
		♦VALG		ITT5417J	♦ITT	10-59	L68-9C18005ORC	none	41-29	MD4330BS	♦MITC	15-1	MIC74151J	♦ITT	29-32
	HEF4556P	MULB	32-24	ITT5437J	♦ITT	9-98		none	41-29	MD4331BM	♦MITC	15-2	MIC74151J	♦ITT	29-37
	♦PHIN	♦SIC		ITT5520J	♦ITT	35-19	L678-1C180100RC	none	41-30	MD4331BS	♦MITC	15-3	MIC74151N	♦ITT	29-38
		♦VALG		ITT5521J	♦ITT	35-20		none	41-30	MD4332BM	♦MITC	15-4	MIC74153J	♦ITT	30-6
	H13-200-2	♦HAS	26-8	ITT5521J	♦ITT	35-11	L678-2-1M180/5	none	41-31	MD4332BS	♦MITC	15-5	MIC74153N	♦ITT	30-7
	H13-200-4	♦HAS	26-9	ITT5521J	♦ITT	35-12		none	41-31	MDAS-PG8D	♦DTL	40-10	MIC74154J	♦ITT	32-15
	H19-200-4	♦HAS	26-10	ITT5522J	♦ITT	35-21	L678-2-1M36005	none	41-32	MDAS-PG16D	♦DTL	40-11	MIC74155J	♦ITT	32-16
	H19-200-5	♦HAS	26-10	ITT5522J	♦ITT	35-22		none	41-32	MH88200	♦MITC	40-80	MIC74155N	♦ITT	32-56
	H19-201-4	♦HAS	26-25	ITT5523J	♦ITT	35-22	L678-2-1M36010	none	41-33	MIC932-1D	♦ITT	9-72	MIC74156J	♦ITT	32-57
	H19-201-5	♦HAS	26-26	ITT5523J	♦ITT	35-13		none	41-33	MIC932-5D	♦ITT	9-73	MIC74156N	♦ITT	32-58
	H19-1085	♦HAS	21-56	ITT5523N	♦ITT	35-14	L678-3-1M180/5	none	41-34	MIC936-1D	♦ITT	8-61	MIC74157J	♦ITT	30-81
	H19-5040-5	♦HAS	27-42	ITT5524J	♦ITT	36-2		none	41-34	MIC936-5D	♦ITT	8-62	MIC74157N	♦ITT	30-82
	H19-5041-5	♦HAS	27-44	ITT5524N	♦ITT	36-3	L678-3C180100RC	none	41-35	MIC937-1D	♦ITT	8-45	MK5161N	none	28-21
	H19-5042-5	♦HAS	27-78	ITT5525J	♦ITT	35-85		none	41-35	MIC937-5D	♦ITT	8-46	MK5161P	none	28-22
	H19-5043-5	♦HAS	27-79	ITT5525N	♦ITT	35-86	L678-4-1M180/5	none	41-36	MIC937-5D	♦ITT	8-83	MK5160P	none	28-23
	H19-5044-5	♦HAS	27-59	ITT5528N	♦ITT	36-4		none	41-36	MIC5405AJ	♦ITT	8-98	MM-8	♦DTL	28-13
	H19-5045-5	♦HAS	27-61	ITT5528N	♦ITT	36-5	L678-4C180100RC	none	41-37	MIC5405J	♦ITT	8-84	MM-16	♦DTL	28-28
	H19-5046-5	♦HAS	27-41	ITT5529J	♦ITT	35-87		none	41-37	MIC5406J	♦ITT	8-104	MM-16-1	♦DTL	28-30
	H19-5046A-5	♦HAS	27-40	ITT5529N	♦ITT	35-88	L678-6-1M180/5	none	41-38	MIC5407J	♦ITT	10-52	MMX-8	♦DTL	28-9
	H19-5047-5	♦HAS	27-63	ITT71140	♦ITT	33-31		none	41-38	MIC5413J	♦ITT	38-20	MMX-1	♦DDC	28-10
	H19-5047A-5	♦HAS	27-62	ITT71141	♦ITT	11-12	L678-6C180100RC	none	41-39	MIC5416J	♦ITT	8-99	MMX-2	♦DDC	28-11
	H19-5048-5	♦HAS	27-43	ITT71160	♦ITT	13-94		none	41-39	MIC5417J	♦ITT	10-49	MMX-3	♦DDC	28-12
	H19-5049-5	♦HAS	27-60	ITT7160A	♦ITT	13-93	L678-7-1M180/5	none	41-40	MIC5426J	♦ITT	9-101	MN120	♦MNC	40-60
	H19-5050-5	♦HAS	27-77	ITT71161	♦ITT	13-90		none	41-40	MIC5428J	♦ITT	10-92	MN121	♦MNC	40-61
	H19-5051-5	♦HAS	27-30	ITT71162	♦ITT	13-91	L678-7-1M36005	none	41-41	MIC5433AJ	♦ITT	10-98	MN121-10	♦MNC	40-62
	HMRDC-H4	♦DDC	41-20	ITT7404J	♦ITT	8-79		none	41-41	MIC5433J	♦ITT	10-93	MN121-11	♦MNC	40-63
	HMRDC-L4	♦DDC	41-21	ITT7404N	♦ITT	8-80	L678-7-1M36010	none	41-42	MIC5437J	♦ITT	10-13	MN160	♦MNC	40-64
	HMRDC-M4	♦DDC	41-22	ITT7405J	♦ITT	8-81		none	41-42	MIC5438AJ	♦ITT	10-19	MN160-10	♦MNC	40-65
	HMSDC-H4	♦DDC	41-23	ITT7405N	♦ITT	8-82	L678-7C180100RC	none	41-43	MIC5438J	♦ITT	10-14	MN160-11	♦MNC	40-66
	HMSDC-L4	♦DDC	41-24	ITT7406J	♦ITT	9-46		none	41-43	MIC5440J	♦ITT	9-81	MN204	♦MNC	13-86
	ICH7201CDD	♦INL	12-6	ITT7406N	♦ITT	9-47	L678-8-1M180/5	none	41-44	MIC5441AJ	♦ITT	14-45	MN301	♦MNC	21-6
	ICH7201CGC	♦INL	12-7	ITT7407J	♦ITT	10-73		none	41-44	MIC5445J	♦ITT	14-77	MN301H	♦MNC	21-7
	ICH7201MDD	♦INL	12-8	ITT7407N	♦ITT	10-74	L678-8-1M36010	none	41-45						

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
MSSH-05	♦DDC	37-17	N74232A	♦PHIN	38-27	SFC404HPM	♦NPC	9-2	SFC437PM	♦NPC	10-8	SFC4153KM	♦NPC	30-13
MT8804BF	♦MITC	26-68		♦SIC			♦THCF			♦THCF			♦THCF	
MT8820AJ	♦MITC	40-81	NADC-1	♦DDC	17-1	SFC404JM	♦THCF	8-73	SFC438E	♦NPC	10-7	SFC4153LSE	♦THCF	29-103
MT8820AN	♦MITC	40-82	NADC-3	♦DDC	17-2		♦THCF			♦THCF			♦THCF	
MUX88AQ	♦PMI	28-15	NADC-8-1	♦DDC	22-24	SFC404KM	♦NPC	8-74	SFC438EM	♦NPC	10-8	SFC4153LSEM	♦NPC	29-104
MUX88BQ	♦PMI	28-16	NDAC-8-3	♦DDC	22-25		♦THCF			♦THCF			♦THCF	
MUX202-M/B	♦HBC	28-18	NDAC-10-1	♦DDC	21-85	SFC404LSE	♦NPC	8-37	SFC438ET	♦NPC	10-9	SFC4153SE	♦NPC	30-19
MUX202-M/C	♦HBC	28-19	NDAC-10-3	♦DDC	21-86		♦THCF			♦THCF			♦THCF	
MUX203	♦HBC	28-20	NE582B	♦MULB	9-56	SFC404LSEM	♦NPC	8-30	SFC438JM	♦NPC	10-10	SFC4153SJM	♦NPC	30-20
MUX204	♦HBC	28-31		♦SIC			♦THCF			♦THCF			♦THCF	
MX01C	♦AMI	26-46	RC8T13DD	♦RTN	11-40	SFC404PM	♦NPC	8-75	SFC438KM	♦NPC	10-11	SFC4153SKM	♦NPC	30-21
MX02D	♦AMI	27-11	RC8T14DD	♦RTN	33-60		♦THCF			♦THCF			♦THCF	
MX03C	♦AMI	27-13	RC8T23DD	♦RTN	11-45	SFC404SE	♦NPC	9-3	SFC438LSE	♦NPC	9-108	SFC4154E	♦NPC	32-18
MX52D	♦AMI	27-12	RC8T24DD	♦RTN	33-61		♦THCF			♦THCF			♦THCF	
MX53C	♦AMI	27-14	RC75325DD	♦RTN	12-55	SFC404SJM	♦NPC	9-4	SFC438LSEM	♦NPC	9-97	SFC4154EM	♦NPC	32-19
MX54C	♦AMI	26-70	RDC-36-6-1	♦DDC	41-55		♦THCF			♦THCF			♦THCF	
MX55C	♦AMI	26-69	RDC-36-6-3	♦DDC	41-56	SFC404SKM	♦NPC	9-5	SFC438PM	♦NPC	10-12	SFC4154ET	♦NPC	32-20
N8T04B	♦MULB	14-84	RDC-36-H-1	♦DDC	41-57		♦THCF			♦THCF			♦THCF	
	♦PHIN		RDC-36-H-3	♦DDC	41-58	SFC405E	♦NPC	8-89	SFC440E	♦NPC	9-75	SFC4154JM	♦NPC	32-21
N8T04W	♦MULB	14-85	RDC-36-L-1	♦DDC	41-59		♦THCF			♦THCF			♦THCF	
	♦PHIN		RDC-36-L-3	♦DDC	41-60	SFC405EM	♦NPC	8-90	SFC440EM	♦NPC	9-76	SFC4154KM	♦NPC	32-22
N8T05B	♦MULB	14-86	RM8T13DD	♦RTN	11-41		♦THCF			♦THCF			♦THCF	
	♦PHIN		RM8T14DD	♦RTN	33-62	SFC405ET	♦NPC	8-91	SFC440ET	♦NPC	9-77	SFC4155E	♦NPC	32-59
N8T05W	♦MULB	14-87	RM8T23DD	♦RTN	11-46		♦THCF			♦THCF			♦THCF	
	♦PHIN		RM8T24DD	♦RTN	33-63	SFC405JM	♦NPC	8-92	SFC440HE	♦NPC	9-84	SFC4155EM	♦NPC	32-60
N8T06B	♦MULB	14-88	RM55325DD	♦RTN	12-56		♦THCF			♦THCF			♦THCF	
	♦PHIN		S82S30B	♦PHIN	29-45	SFC405KM	♦NPC	8-93	SFC440HEM	♦NPC	9-85	SFC4155ET	♦NPC	32-61
N8T06W	♦MULB	14-89		♦SIC			♦THCF			♦THCF			♦THCF	
	♦PHIN		S82S31B	♦PHIN	29-46	SFC405LSE	♦NPC	8-44	SFC440HJM	♦NPC	9-86	SFC4155JM	♦NPC	32-62
N8T09A	♦MULB	11-56		♦SIC			♦THCF			♦THCF			♦THCF	
	♦PHIN		S82S32B	♦PHIN	29-47	SFC405LSEM	♦NPC	8-36	SFC440HKM	♦NPC	9-87	SFC4155KM	♦NPC	32-63
N8T13B	♦MULB	11-43		♦SIC			♦THCF			♦THCF			♦THCF	
	♦PHIN		S82S32F	♦PHIN	29-48	SFC405PM	♦NPC	8-94	SFC440HPM	♦NPC	9-88	SFC4155LSE	♦NPC	32-52
N8T14B	♦MULB	33-64		♦SIC			♦THCF			♦THCF			♦THCF	
	♦PHIN		S82S33B	♦PHIN	30-86	SFC405SE	♦NPC	9-6	SFC440JM	♦NPC	9-78	SFC4155LSEM	♦NPC	32-42
N8T16A	♦MULB	33-56		♦SIC			♦THCF			♦THCF			♦THCF	
	♦PHIN		S82S33F	♦PHIN	30-87	SFC405SJM	♦NPC	9-7	SFC440KM	♦NPC	9-79	SFC4156E	♦NPC	32-64
N8T18A	♦MULB	25-71		♦SIC			♦THCF			♦THCF			♦THCF	
	♦PHIN		S82S34B	♦PHIN	30-88	SFC405SKM	♦NPC	9-8	SFC440LSE	♦NPC	9-71	SFC4156EM	♦NPC	32-65
N8T18W	♦MULB	25-72		♦SIC			♦THCF			♦THCF			♦THCF	
	♦PHIN		S82S34F	♦PHIN	30-89	SFC406E	♦NPC	9-48	SFC440LSEM	♦NPC	9-65	SFC4156ET	♦NPC	32-66
N8T23B	♦MULB	11-44		♦SIC			♦THCF			♦THCF			♦THCF	
	♦PHIN		S1757	♦AMI	39-11	SFC406EM	♦NPC	9-38	SFC440PM	♦NPC	9-80	SFC4157E	♦NPC	30-93
N8T24B	♦MULB	33-59	S1907A	♦AMI	40-67		♦THCF			♦THCF			♦THCF	
	♦PHIN		S8230B	♦PHIN	29-49	SFC406ET	♦NPC	9-39	SFC445E	♦NPC	14-51	SFC4157EM	♦NPC	30-94
N8T26AB	♦MULB	34-2		♦SIC			♦THCF			♦THCF			♦THCF	
	♦PHIN		S8231B	♦PHIN	29-50	SFC406JM	♦NPC	9-40	SFC445ET	♦NPC	14-52	SFC4157ET	♦NPC	30-95
N8T28B	♦MULB	34-3		♦SIC			♦THCF			♦THCF			♦THCF	
	♦PHIN		S8232B	♦PHIN	29-51	SFC406KM	♦NPC	9-41	SFC4132EM	♦NPC	38-2	SFC4157JM	♦NPC	30-96
N8T30A	♦MULB	34-1		♦SIC			♦THCF			♦THCF			♦THCF	
	♦PHIN		S8233B	♦PHIN	30-90	SFC406PM	♦NPC	9-42	SFC4132ET	♦NPC	38-3	SFC4157KM	♦NPC	30-97
N8T34A	♦MULB	34-6		♦SIC			♦THCF			♦THCF			♦THCF	
	♦PHIN		S8234B	♦PHIN	30-91	SFC407E	♦NPC	10-75	SFC4132JM	♦NPC	38-4	SFC4157LSE	♦NPC	30-75
N8T37A	♦MULB	33-72		♦SIC			♦THCF			♦THCF			♦THCF	
	♦PHIN		S8235B	♦PHIN	30-92	SFC407EM	♦NPC	10-65	SFC4132KM	♦NPC	38-5	SFC4157LSEM	♦NPC	30-63
N8T38A	♦MULB	34-7		♦SIC			♦THCF			♦THCF			♦THCF	
	♦PHIN		S9312F	♦PHIN	29-52	SFC407ET	♦NPC	10-66	SFC4132PM	♦NPC	38-6	SFC4157SE	♦NPC	30-107
N8T80A	♦MULB	25-68		♦SIC			♦THCF			♦THCF			♦THCF	
	♦PHIN		S9312W	♦PHIN	29-53	SFC407JM	♦NPC	10-67	SFC4138LSE	♦NPC	32-9	SFC4157SJM	♦NPC	30-108
N8T80W	♦MULB	25-69		♦SIC			♦THCF			♦THCF			♦THCF	
	♦PHIN		S54154Q	♦PHIN	32-17	SFC407KM	♦NPC	10-68	SFC4138LSEM	♦NPC	32-6	SFC4157SKM	♦NPC	30-109
N8T90A	♦MULB	25-70		♦SIC			♦THCF			♦THCF			♦THCF	
	♦PHIN		S54232F	♦PHIN	38-28	SFC407PM	♦NPC	10-69	SFC4139LSE	♦NPC	32-51	SFC4158SE	♦NPC	30-110
N8T90W	♦MULB	25-58		♦SIC			♦THCF			♦THCF			♦THCF	
	♦PHIN		SCH4016BH	none	26-1	SFC416E	♦NPC	9-45	SFC4139LSEM	♦NPC	32-41	SFC4158SJM	♦NPC	31-1
N8T93A	♦MULB	8-107	SCL4009AC	♦SSS	25-34		♦THCF			♦THCF			♦THCF	
	♦PHIN		SCL4009AD	♦SSS	25-35	SFC416EM	♦NPC	9-32	SFC4141E	♦NPC	14-53	SFC4158SKM	♦NPC	31-2
N8T94A	♦MULB	9-16	SCL4009AE	♦SSS	25-36		♦THCF			♦THCF			♦THCF	
	♦PHIN		SCL4009AF	♦SSS	25-37	SFC416ET	♦NPC	9-33	SFC4145E	♦NPC	14-54	SFC4251LSE	♦NPC	29-28
N8T95B	♦MULB	10-76	SCL4009AH	♦SSS	25-38		♦THCF			♦THCF			♦THCF	
	♦PHIN		SCL4010AC	♦SSS	25-39	SFC416JM	♦NPC	9-34	SFC4145ET	♦NPC	14-55	SFC4251LSEM	♦NPC	29-19
N8T96B	♦MULB	9-49	SCL4010AD	♦SSS	25-40		♦THCF			♦THCF			♦THCF	
	♦PHIN		SCL4010AE	♦SSS	25-41	SFC416KM	♦NPC	9-35	SFC4148E	♦NPC	39-4	SFC4253LSE	♦NPC	29-110
N8T97B	♦MULB	10-77	SCL4010AF	♦SSS	25-42		♦THCF			♦THCF			♦THCF	
	♦PHIN		SCL4010AH	♦SSS	25-43	SFC416PM	♦NPC	9-36	SFC4148EM	♦NPC	39-5	SFC4253LSEM	♦NPC	29-105
N8T98B	♦MULB	9-50	SCL4049AC	♦SSS	25-44		♦THCF			♦THCF			♦THCF	
	♦PHIN		SCL4049AD	♦SSS	25-45	SFC417E	♦NPC	10-72	SFC4148ET	♦NPC	39-6	SFC5107AE	♦NPC	33-23
N8T380A	♦MULB	33-71	SCL4049AE	♦SSS	25-46		♦THCF			♦THCF			♦THCF	
	♦PHIN		SCL4049AF	♦SSS	25-47	SFC417EM	♦NPC	10-60	SFC4148JM	♦NPC	39-7	SFC5107AEM	♦NPC	33-24
N74LS145B	♦PHIN	14-83	SCL4049AH	♦SSS	25-48		♦THCF			♦THCF			♦THCF	
	♦PHIN		SCL4050AC	♦SSS	25-49	SFC417ET	♦NPC	10-61	SFC4148KM	♦NPC	39-8	SFC5107AJM	♦NPC	33-25
N74LS151B	♦PHIN	29-16	SCL4050AD	♦SSS	25-50		♦THCF			♦THCF			♦THCF	
	♦PHIN		SCL4050AE	♦SSS	25-51	SFC417JM	♦NPC	10-107	SFC4150E	♦NPC	29-83	SFC5107AKM	♦NPC	33-26
N74LS251B	♦PHIN	29-17	SCL4050AF	♦SSS	25-52		♦THCF			♦THCF			♦THCF	
	♦PHIN		SCL4050AH	♦SSS	25-53	SFC417KM	♦NPC	10-62	SFC4150EM	♦NPC	29-84	SFC5108AE	♦NPC	33-27
N74LS258B	♦PHIN	30-62	SCL-1	♦DTL	40-15		♦THCF			♦THCF			♦THCF	
	♦PHIN		SCL-CM	♦DTL	40-16	SFC417PM	♦NPC	10-63	SFC4150ET	♦NPC	29-85	SFC5108AEM	♦NPC	33-28
N74S258B	♦PHIN	30-106	SD5200	none	26-28		♦THCF			♦THCF			♦THCF	
	♦PHIN		SDC511-1-1	none	41-61	SFC432E	♦NPC	10-101	SFC4150JM	♦NPC	29-86	SFC5108		

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

INTERFACE

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
SFC5452D	↑NPC	13-36	SH2201FM	↑FSC	13-8	SW729-2P	↑SWM	14-8	VSSH-F-3	↑DDC	37-2			
	↑THCF		SHC23	↑BUB	37-21	SW729-2P	↑SWM	14-9	VSSH-S-1	↑DDC	37-3			
SFC50026	↑NPC	12-21	SHC23ET	↑BUB	37-22	SW729-2S	↑SWM	14-10	VSSH-S-3	↑DDC	37-4			
	↑THCF		SHM40	↑BUB	37-12	SW729-2T	↑SWM	14-11	XC8T28L	↑MOTA	34-4			
SFF150	↑NPC	27-85	SHM41	↑BUB	37-13	T54S151F	↑TEC	29-66	XC8T28P	↑MOTA	34-5			
	↑THCF		SHM-3	↑DTL	37-9	T54S151J	↑TEC	29-67	XC8T95L	↑MOTA	10-78			
SFF150M	↑NPC	27-86	SHM-4	↑DTL	37-8	T54S152F	↑TEC	29-68	XC8T95P	↑MOTA	10-79			
	↑THCF		SHM-CM	↑DTL	37-7	T54S152J	↑TEC	29-69	XC8T96L	↑MOTA	9-51			
SFF151	↑NPC	26-72	SHM-CM-1	↑DTL	37-25	T54S153F	↑TEC	30-22	XC8T96P	↑MOTA	9-52			
	↑THCF		SI552BL	↑SIX	26-7	T54S153J	↑TEC	30-23	XC8T97L	↑MOTA	10-80			
SFF151M	↑NPC	26-73	SI3705142P	↑SIX	28-6	T54S157F	↑TEC	31-3	XC8T97P	↑MOTA	10-81			
	↑THCF		SI3705143P	↑SIX	28-1	T54S157J	↑TEC	31-4	XC8T98L	↑MOTA	9-53			
SFF153E	↑NPC	27-8	SI3705193P	↑SIX	28-2	T54S158F	↑TEC	31-5	XC8T98P	↑MOTA	9-54			
	↑THCF		SIL4511BC	↑MITC	14-95	T54S158J	↑TEC	31-6	ZN425E	↑FERB	21-39			
SFF153K	↑NPC	27-9	SIL4511BE	↑MITC	14-96	T54S251F	↑TEC	29-70	ZN432CE	↑FERB	18-20			
	↑THCF		SIL4511BF	↑MITC	14-97	T54S251J	↑TEC	29-71	ZN1002E	↑FERB	12-38			
SFF153KM	↑NPC	27-10	SIL4511BH	↑MITC	14-98	T74S151F	↑TEC	29-72	ZN7441AE	↑FERB	14-91			
	↑THCF		SIL4511BI	↑MITC	14-99	T74S151J	↑TEC	29-73	ZSS54A	↑FERB	8-9			
SFF154	↑NPC	26-3	SN54LS144J#	none	11-60	T74S152F	↑TEC	29-74	ZSS54B	↑FERB	8-10			
	↑THCF		SN74LS354N	none	29-1	T74S152J	↑TEC	29-75	ZSS84A	↑FERB	8-11			
SFF154M	↑NPC	26-4	SN5526J	↑TIIB	35-23	T74S153F	↑TEC	30-24	ZSS84B	↑FERB	8-12			
	↑THCF			↑TIIB		T74S153J	↑TEC	30-25	ZSS114A	↑GECB	8-13			
SFF155	↑NPC	26-11	SN7526J	↑TIIB	35-28	T74S157F	↑TEC	31-7	ZSS114B	↑GECB	8-14			
	↑THCF			↑TIIB		T74S157J	↑TEC	31-8	ZSS134A	↑GECB	8-15			
SFF155M	↑NPC	26-12	SN7526N	↑TIIB	35-29	T74S158F	↑TEC	31-9	ZSS134B	↑GECB	8-16			
	↑THCF			↑TIIB		T74S158J	↑TEC	31-10	ZST2	↑FERB	13-10			
SFF156E	↑NPC	26-88	SN55236W	↑TIIB	35-43	T74S251F	↑TEC	29-76						
	↑THCF			↑TIIB		T74S251J	↑TEC	29-77						
SFF156K	↑NPC	26-89	SN55244J	↑TIIB	35-36	T9309F	↑TEC	30-14						
	↑THCF			↑TIIB		T9309FM	↑TEC	30-15						
SFF156KM	↑NPC	26-90	SN55244JA	↑TIIB	35-37	T9309J	↑TEC	30-16						
	↑THCF			↑TIIB		T9309JM	↑TEC	30-17						
SFF157E	↑NPC	26-81	SN55244N	↑TIIB	35-38	T9312F	↑TEC	29-59						
	↑THCF			↑TIIB		T9312FM	↑TEC	29-60						
SFF157K	↑NPC	26-82	SN55325W	↑TIIB	12-60	T9312J	↑TEC	29-61						
	↑THCF			↑TIIB		T9312JM	↑TEC	29-62						
SFF157KM	↑NPC	26-83	SN55326W	↑TIIB	12-49	T9322F	↑TEC	30-98						
	↑THCF			↑TIIB		T9322FM	↑TEC	30-99						
SFF160K	↑NPC	28-3	SN55327W	↑TIIB	12-50	T9322J	↑TEC	30-100						
	↑THCF			↑TIIB		T9322JM	↑TEC	30-101						
SFF160KM	↑NPC	28-4	SN55329RA	↑TIIB	12-61	TC5030BP	TOSJ	9-109						
	↑THCF			↑TIIB		TC5042BP	TOSJ	14-90						
SFF160KT	↑NPC	28-5	SN75175J	none	11-59	TD-100CM-6	↑DDC	41-72						
	↑THCF		SN75236W	↑TIIB	35-42	TD-100CM-H	↑DDC	41-73						
SFF1115KM	↑NPC	26-41	SN75244J	↑TIIB	35-39	TD-100CM-L	↑DDC	41-74						
	↑THCF			↑TIIB		TD-101CMB-1	none	41-75						
SFF1115KT	↑NPC	27-2	SN75244JA	↑TIIB	35-40	TD-101CMB-3	none	41-76						
	↑THCF			↑TIIB		TG54S04F	↑TEC	9-19						
SFF1115PM	↑NPC	26-105	SN75244N	↑TIIB	35-41	TG54S04J	↑TEC	9-20						
	↑THCF			↑TIIB		TG54S05F	↑TEC	9-21						
SFF1115PT	↑NPC	27-3	SN75401ND	↑TIIB	13-67	TG54S05J	↑TEC	9-22						
	↑THCF			↑TIIB		TG74S04F	↑TEC	9-23						
SFF1116KM	↑NPC	26-98	SN75402ND	↑TIIB	13-68	TG74S04J	↑TEC	9-24						
	↑THCF			↑TIIB		TG74S05F	↑TEC	9-25						
SFF1116KT	↑NPC	26-102	SN75403ND	↑TIIB	13-69	TG74S05J	↑TEC	9-26						
	↑THCF			↑TIIB		TH5021MDA	none	26-36						
SFF1116PM	↑NPC	26-99	SN75404ND	↑TIIB	13-70	TH5021MDD	none	26-37						
	↑THCF			↑TIIB		TH5021MDE	none	26-38						
SFF1116PT	↑NPC	26-103	SN75411ND	↑TIIB	13-63	TH5021MPD	none	26-39						
	↑THCF			↑TIIB		TH5021MPE	none	26-40						
SFF1117KM	↑NPC	26-106	SN75412ND	↑TIIB	13-64	TL7404N	ALGG	8-95						
	↑THCF			↑TIIB		TL7405N	ALGG	8-96						
SFF1117KT	↑NPC	27-4	SN75413ND	↑TIIB	13-65	TL7406N	ALGG	8-76						
	↑THCF			↑TIIB		TL7407N	ALGG	10-47						
SFF1117PM	↑NPC	26-107	SN75414ND	↑TIIB	13-66	TL7413N	ALGG	38-23						
	↑THCF			↑TIIB		TL7416N	ALGG	8-97						
SFF1117PT	↑NPC	27-5	SOC1726512	none	41-71	TL7417N	ALGG	10-48						
	↑THCF			↑PLSB		TL74150N	ALGG	29-88						
SFF1118KM	↑NPC	26-108	SP701BT	↑PLSB	16-6	TL74151N	ALGG	29-63						
	↑THCF		SP702AT	↑PLSB	9-58	TL74153N	ALGG	30-18						
SFF1118KT	↑NPC	27-6	SP702BT	↑PLSB	9-59	TS62074P	none	13-89						
	↑THCF		SP703AF	↑PLSB	16-7	uA8T13FM	↑FSC	11-39						
SFF1118PM	↑NPC	26-109	SP703BF	↑PLSB	16-8	uA8T14FM	↑FSC	33-58						
	↑THCF		SP704AF	↑PLSB	16-9	uPB74504D	↑NECJ	9-9						
SFF1118PT	↑NPC	27-7	SP704BE	↑PLSB	16-10	uPB7446C	↑NECJ	14-71						
	↑THCF		SP704BF	↑PLSB	16-11	UC6410D	↑SOD	26-42						
SFF1119KM	↑NPC	26-84	SP721BF	↑PLSB	11-2	UC6410F	↑SOD	26-43						
	↑THCF		SP722BF	↑PLSB	33-1	UC7410D	↑SOD	26-44						
SFF1119KT	↑NPC	26-86	SP723BE	↑PLSB	33-2	UC7410F	↑SOD	26-45						
	↑THCF		SP723BF	↑PLSB	33-3	UCN4102A	↑SPR	14-42						
SFF1119PM	↑NPC	26-85	SP724BF	↑PLSB	33-4	UDAC-11-1	↑DDC	24-24						
	↑THCF		SP751AF	↑PLSB	16-4	UDAC-11-3	↑DDC	24-25						
SFF1119PT	↑NPC	26-87	SP751BF	↑PLSB	16-5	UDAC-12-1	↑DDC	24-22						
	↑THCF		SP752AF	↑PLSB	9-60	UDAC-12-3	↑DDC	24-23						
SFF1122KM	↑NPC	26-76	SP752BF	↑PLSB	9-61	UDAC-13-1	↑DDC	24-18						
	↑THCF		SP1023	↑PLSB	12-4	UDAC-13-3	↑DDC	24-19						
SFF1122KT	↑NPC	26-78	SP1039	↑PLSB	25-73	UDAC-14-1	↑DDC	24-41						
	↑THCF		SP1223	↑PLSB	12-5	UDAC-14-3	↑DDC	24-42						
SFF1122PM	↑NPC	26-77	SP1239	↑PLSB	25-74	UDN1956R	none	13-92						
	↑THCF		SS5562-883-BCD		22-63	UHC060	↑SPR	13-71						
SFF1122PT	↑NPC	26-79	SS5562-883-BIN	↑PMI	22-61	UHD060	↑SPR	13-72						
	↑THCF			↑PMI		UHP060	↑SPR	13-73						
SFF24016AEV	↑NPC	26-22	SS5562-AD-BCD	↑PMI	23-71	UL03C	↑AMI	9-57						
	↑THCF			↑PMI		ULN2140H	↑SPR	40-68						
SFF24016AKM	↑NPC	26-23	SS5562-AD-BIN	↑PMI	22-84	ULN2141A	↑SPR	40-69						
	↑THCF			↑PMI		ULN2141H	↑SPR	40-70						
SFF24049AEV	↑NPC	8-38	SS5562-KD-BCD	↑PMI	23-72	ULN2142A	↑SPR	40-71						
	↑THCF			↑PMI		ULN2142H	↑SPR	40-72						
SFF24049AKM	↑NPC	8-39	SS5562-KD-BIN	↑PMI	22-85	ULS2140A	↑SPR	40-73						
	↑THCF			↑PMI		ULS2141A	↑SPR	40-74						
SFF24050AEV	↑NPC	10-22	SS5562-SD-BCD	↑PMI	22-64	ULS2141H	↑SPR	40-75						
	↑THCF			↑PMI		ULS2142A	↑SPR	40-76						
SFF24050AKM	↑NPC	10-23	SS5562-SD-BIN	↑PMI	22-62	ULS2142H	↑SPR	40-77						
	↑THCF			↑PMI		US75324A	↑SPR	12-45						
SH702M/B	↑HBC	37-29	SW01FP	↑PMI	27-45	US75324G	↑SPR	12-46						
SH702M/C	↑HBC	37-30	SW02FP	↑PMI	26-13	US75324J	↑SPR	12-48						
SH703	↑HBC	37-31	SW03FP	↑PMI	27-46	VADC-8/17	↑DDC	40-78						
SH2001FC	↑FSC	13-3	SW04FP	↑PMI	26-14	VADC-150-1	↑DDC	37-10						
SH2001FM	↑FSC	13-4	SW201FP	↑PMI	27-47	VADC-150-3	↑DDC	37-11						
SH2002FC	↑FSC	13-1	SW729-											

2. LOGIC BUFFERS/DRIVERS

IN ORDER OF: (1)BASIC LOGIC (2)CKTS/DEVICE
(3)MIN.OUTPUT CURR.(4)MAX.Vo & (5)TYPE NUMBER

LINE No.	TYPE NUMBER	FUNCT. CODE	ORGANIZ.	LOGIC	E C H N	T	MINIMUM OUTPUT CURRENT		MAX. OUTPUT VOLT.	INPUT LOGIC LEVEL		RATED PWR. SUPPLY SPAN	MAX. NOISE IMMUNITY (V)	MAX. PROP. DELAY tpd (ns)	MAX. OPERATE PWR. DISS. (W)		OPER. TEMP.		DRAWINGS	
							I (A)	@ Vo (V)		HIGH (min) (V)	LOW (max) (V)				NEG. (V)	POS. (V)	(-) (°C)	(+) (°C)	LOGIC DWG. No.	OUTLINE DWG. No.
1	MC843G	AND	OC	2	4	DTL	250m	.50	40	1.9†	1.1†	0.0	5.0	230n	90m†	0	75	AA91	TO100	
2	MC943G	AND	OC	2	4	DTL	250m	.50	40	2.0†	1.1†	0.0	5.0	150n	90m†	55	125	AA91	TO100	
3	5518	AND	3S	12	2	TTL	16m	.40		2.0	.80	0.0	5.0	23n	480m†	0	70	AA78	PC12	
4	5518A	AND	3S	12	2	TTL	16m	.40		2.0	.80	0.0	5.0	23n	540m†	0	70	AA78	PC12	
5	MC799P	INV	TP	2	2	RTL	2.6m			8.5†	.46†	0.0	3.6	45n	90m†	15*	55	AA9	TO116	
6	CD4007AK	INV	DCΔ	3	1	CMS	2.3m	.50	15	9.95	.05%	0.0	10	40n	500m†	55	125	AA74	Δ004AF	
7	HEF4007P	INV	DCΔ	3	1	CMS	2.0m	.50	15	7.0	3.0	0.0	10	4.5	25n	400m†	40	85	AA111	D14-1e
8	CD4007UBK	INV	DCΔ	3	1	CMS	3.4m	1.5	18	12	3.0	0.0	15	5.0n	500m†	55	125	AA111	D14-1e	
9	ZSS54A	INV	OC	3	1	DTL	25m	.55	5.0	4.0†	.20†	0.0	4.5	550m*	17n	80m†	55	125	AA87	Δ004AF
10	ZSS54B	INV	RP	3	1	DTL	25m	.55	5.0	4.0†	.20†	0.0	4.5	550m*	17n	80m†	55	125	AA87	CN8
11	ZSS84A	INV	OC	3	1	DTL	25m	.55	5.0	4.0†	.20†	0.0	4.5	550m*	17n	80m†	55	125	AA87	CN8
12	ZSS84B	INV	RP	3	1	DTL	25m	.55	5.0	4.0†	.20†	0.0	4.5	550m*	17n	80m†	55	125	AA87	CN8
13	ZSS114A	INV		3	1	DTL	30m†			1.36†	1.35†	0.0	5.0	25n	58m	55	125	CN8		
14	ZSS114B	INV		3	1	DTL	30m†			1.36†	1.35†	0.0	5.0	25n	58m	55	125	CN8		
15	ZSS134A	INV		3	1	DTL	30m†			1.36†	1.35†	0.0	5.0	25n	58m	55	125	CN8		
16	ZSS134B	INV		3	1	DTL	30m†			1.36†	1.35†	0.0	5.0	25n	58m	55	125	CN8		
17	54LS126J	INV	3S	4	1	TTL	12m	.40	5.5	2.0	.70	0.0	5.0	300m	15n	120m	55	125	AA37	D14-4
18	54LS126W	INV	3S	4	1	TTL	12m	.40	5.5	2.0	.70	0.0	5.0	300m	15n	120m	55	125	AA37	F14-13
19	74LS126J	INV	3S	4	1	TTL	24m	.50	5.2	2.0	.80	0.0	5.0	400m	15n	120m	0	70	AA37	D14-4
20	74LS126W	INV	3S	4	1	TTL	24m	.50	5.2	2.0	.80	0.0	5.0	400m	15n	120m	0	70	AA37	F14-13
21	54F04DM	INV	TP	6	1	TTL				2.0	.80	0.0	5.0		3.8n	77m	55	125	AA98	D14-4c
22	54F04FM	INV	TP	6	1	TTL				2.0	.80	0.0	5.0		3.8n	77m	55	125	AA98	TO86
23	74F04FC	INV	TP	6	1	TTL				2.0	.80	0.0	5.0		3.8n	77m	0	70	AA98	TO86
24	74F04PC	INV	TP	6	1	TTL				2.0	.80	0.0	5.0		3.8n	77m	0	70	AA98	D14-14
25	MC789P	INV	RP	6	1	RTL	2.6m			.85†	.46†	0.0	3.6	48n	130m†	15*	55	AA90	TO116	
26	MC789AP	INV	RP	6	1	RTL	2.8m	.50		.85†	.46†	0.0	3.6	48n	130m†	15*	55	AA90	TO116	
27	CD4069UBK	INV	DC	6	1	CMS	3.4m	1.5	18	12	3.0	0.0	15	50n	500m†	55	125	AA23	Δ004AF	
28	54LS04CH	INV	TP	6	1	TTL	4.0m	.40		2.0	.70	0.0	5.0	300m*	10n	33m	55	125	AA21	CH†
29	ITT74LS04N	INV	TP	6	1	TTL	4.0m	.40		2.0	.80	0.0	5.0	400m*	15n	33m	0	70	AA98	D14-1c
30	SFC404LSEM	INV	TP	6	1	TTL	4.0m	.40		2.0	.80	0.0	5.0	400m*	15n	33m	55	125	AA4	TO116
31	54LS04BL	INV	TP	6	1	TTL	4.0m	.40	5.5	2.0	.70	0.0	5.0	300m*	10n	33m	55	125	AA21	CH19
32	54LS05BL	INV	OC	6	1	TTL	4.0m	.40	5.5	2.0	.70	0.0	5.0	300m	20n	33m	55	125	AA21	CH19
33	54LS05CH	INV	OC	6	1	TTL	4.0m	.40	7.0	2.0	.70	0.0	5.0	300m*	22n	33m	55	125	AA25	CH†
34	54LS05J	INV	OC	6	1	TTL	4.0m	.40	7.0	2.0	.70	0.0	5.0	300m*	22n	33m	55	125	AA25	D14-4e
35	54LS05W	INV	OC	6	1	TTL	4.0m	.40	7.0	2.0	.70	0.0	5.0	300m*	22n	33m	55	125	AA25	F14-9
36	SFC405LSEM	INV	OC	6	1	TTL	4.0m	.40	7.0	2.0	.80	0.0	5.0	400m*	32n	33m	55	125	AA4	TO116
37	SFC404LSE	INV	TP	6	1	TTL	8.0m	.50		2.0	.80	0.0	5.0	400m*	15n	33m	0	70	AA4	TO116
38	SFF24049AEV	INV	DC	6	1	CMS	8.0m	.50		9.99	.01%	0.0	10	4.5 †	80n	200m†	40	85	AA5	D16-13a
39	SFF24049AKM	INV	DC	6	1	CMS	8.0m	.50		9.99	.01%	0.0	10	4.5 †	80n	200m†	55	125	AA5	D16-13a
40	74LS04J	INV	TP	6	1	TTL	8.0m	.45	5.5	2.0	.80	0.0	5.0	400m	10n	33m	0	70	AA21	D14-4
41	74LS04W	INV	TP	6	1	TTL	8.0m	.45	5.5	2.0	.80	0.0	5.0	400m	10n	33m	0	70	AA21	F14-13
42	74LS05J	INV	OC	6	1	TTL	8.0m	.50	5.5	2.0	.80	0.0	5.0	400m	20n	33m	0	70	AA21	D14-4
43	74LS05W	INV	OC	6	1	TTL	8.0m	.50	5.5	2.0	.80	0.0	5.0	400m	20n	33m	0	70	AA21	F14-13
44	SFC405LSE	INV	OC	6	1	TTL	8.0m	.50	7.0	2.0	.80	0.0	5.0	400m*	32n	33m	0	70	AA4	TO116
45	MIC937-1D	INV	RP	6	1	DTL	10m	.40		1.9	1.1	0.0	5.0	700m*	50n	163m	55	125	AA98	TO116
46	MIC937-5D	INV	RP	6	1	DTL	10m	.50		1.9	1.1	0.0	5.0	600m*	50n	178m	0	75	AA98	TO116
47	M5937P	INV	RP	6	1	DTL	10m	.40	6.0	3.1	.40%	0.0	5.0	50n	75m†	0	75	AA55b	TO116	
48	54LS366DC	INV	3S	6	1	TTL	12m	.40		2.0	.80	0.0	5.0	300m*	16n	105m	0	75	AA42	D16-7f
49	54LS366DM	INV	3S	6	1	TTL	12m	.40		2.0	.70	0.0	5.0	300m*	16n	105m	55	125	AA42	D16-7f
50	54LS366FC	INV	3S	6	1	TTL	12m	.40		2.0	.80	0.0	5.0	300m*	16n	105m	0	75	AA42	F16-3
51	54LS366FM	INV	3S	6	1	TTL	12m	.40		2.0	.70	0.0	5.0	300m*	16n	105m	55	125	AA42	F16-3
52	54LS366PC	INV	3S	6	1	TTL	12m	.40		2.0	.80	0.0	5.0	300m*	16n	105m	0	75	AA42	D16-14
53	54LS368DM	INV	3S	6	1	TTL	12m	.40		2.0	.70	0.0	5.0	300m*	16n	105m	55	125	AA44	D16-7f
54	54LS368FM	INV	3S	6	1	TTL	12m	.40		2.0	.70	0.0	5.0	300m*	16n	105m	55	125	AA44	F16-3
55	74LS366DC	INV	3S	6	1	TTL	12m†	.25		2.0	.80	0.0	5.0	400m	16n	120m	0	70	AA42	D16-7f
56	74LS366FC	INV	3S	6	1	TTL	12m†	.25		2.0	.80	0.0	5.0	400m	16n	120m	0	70	AA42	F16-3
57	74LS366PC	INV	3S	6	1	TTL	12m†	.25		2.0	.80	0.0	5.0	400m	16n	120m	0	70	AA42	D16-14
58	74LS368DC	INV	3S	6	1	TTL	12m	.40		2.0	.80	0.0	5.0	300m*	16n	105m	0	75	AA44	D16-7f
59	74LS368FC	INV	3S	6	1	TTL	12m	.40		2.0	.80	0.0	5.0	300m*	16n	105m	0	75	AA44	F16-3
60	74LS368PC	INV	3S	6	1	TTL	12m	.40		2.0	.80	0.0	5.0	300m*	16n	105m	0	75	AA44	D16-14
61	MIC936-1D	INV	RP	6	1	DTL	12m	.40		1.9	1.1	0.0	5.0	700m*	80n	98m	55	125	AA98	TO116
62	MIC936-5D	INV	RP	6	1	DTL	12m	.45		1.9	1.1	0.0	5.0	650m*	80n	120m	0	75	AA98	TO116
63	54LS366J	INV	3S	6	1	TTL	12m	.40	5.5	2.0	.70	0.0	5.0	300m	15n	105m	55	125	AA41	D16-7w
64	54LS366W	INV	3S	6	1	TTL	12m	.40	5.5	2.0	.70	0.0	5.0	300m	15n	105m	55	125	AA41	F16-3b
65	54LS368J	INV	3S	6	1	TTL	12m	.40	5.5	2.0	.70	0.0	5.0	300m	15n	105m	55	125	AA43	D16-7w
66	54LS368W	INV	3S	6	1	TTL	12m	.40	5.5	2.0	.70	0.0	5.0	300m	15n	105m	55	125	AA43	F16-3b
67	M5935P	INV	RP	6	1	DTL	12m	.40	6.0	2.6	.40%	0.0	5.0	80n	51m†	0	75	AA55a	TO116	
68	M5936P	INV	RP	6	1	DTL	12m	.40	6.0	2.6	.40%	0.0	5.0	80n	51m†	0	75	AA55	TO116	
69	J5FC404	INV	TP	6	1	TTL	16m	.40		2.0	.80	0.0	5.0	22n	90m†	0	70	AA50	CH1	
70	SFC404E	INV	TP	6	1	TTL	16m	.40		2.0	.80	0.0	5.0	400m*	23n	165m	0	70	AA50	TO116
71	SFC404EM	INV	TP	6	1	TTL	16m	.40		2.0	.80	0.0	5.0	400m*	23n	165m	55	125	AA50	TO116
72	SFC404ET	INV	TP	6	1	TTL	16m	.40		2.0	.80	0.0	5.0	400m*	23n	165m	25	85	AA50	TO116
73	SFC404JM	INV	TP	6	1	TTL	16m	.40		2.0	.80	0.0	5.0	400m*	23n	165m	55	125	AA50	TO116
74	SFC404KM	INV	TP	6	1	TTL	16m	.40		2.0	.80	0.0	5.0	400m*	23n	1				

2. LOGIC BUFFERS/DRIVERS

IN ORDER OF: (1)BASIC LOGIC (2)CKTS/DEVICE
(3)MIN.OUTPUT CURR.(4)MAX.Vo & (5)TYPE NUMBER

LINE No.	TYPE NUMBER	FUNCT. CODE	OUTP. CONN.	ORGANIZ. CKTS PER DEV	LOGIC INPT PER CKT	TECHN	3 MINIMUM OUTPUT CURRENT		4 MAX. INPUT LOGIC LEVEL		RATED PWR. SUPPLY SPAN		MAX. NOISE IMMUNITY (V)	MAX. PROP. DELAY (ps)	MAX. OPERATE. PWR. DISS. (W)	OPER. TEMP.		DRAWINGS	
							(A)	@ Vo (V)	HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)				(-)	(+)	LOGIC DWG. No.	OUTLINE DWG. No.
1#	SFC404HKM	INV	TP	6	1	TTL	20m	.40	2.0	.80	0.0	5.0	400m*	13n	200m	55	125	AA20	TO116
2#	SFC404HPM	INV	TP	6	1	TTL	20m	.40	2.0	.80	0.0	5.0	400m*	13n	200m	55	125	AA20a	TO85
3#	SFC404SE	INV	TP	6	1	TTL	20m	.50	2.0	.80	0.0	5.0	400m*	5.0n	270m	55	70	AA53	TO116
4#	SFC404SJM	INV	TP	6	1	TTL	20m	.50	2.0	.80	0.0	5.0	400m*	5.0n	270m	55	125	AA53	TO116
5#	SFC404SKM	INV	TP	6	1	TTL	20m	.50	2.0	.80	0.0	5.0	400m*	5.0n	270m	55	125	AA53	TO116
6#	SFC405SE	INV	OC	6	1	TTL	20m	.50	2.0	.80	0.0	5.0	400m*	7.5n	270m	55	70	AA60	TO116
7#	SFC405SJM	INV	OC	6	1	TTL	20m	.50	2.0	.80	0.0	5.0	400m*	7.5n	270m	55	125	AA60	TO116
8#	SFC405SKM	INV	OC	6	1	TTL	20m	.50	2.0	.80	0.0	5.0	400m*	7.5n	270m	55	125	AA60	TO116
9#	UPB74S04D	INV	TP	6	1	TTL	20m	.50	2.0	.80	0.0	5.0	1.0	4.5n	270m	0	70	AA22	Δ001AA
10	ITT54H04J	INV	TP	6	1	TTL	20m	.40	5.5	2.0	0.0	5.0	400m*	10n	290m	55	125	AA98	D14-1d
11	ITT54H05J	INV	OC	6	1	TTL	20m	.40	5.5	2.0	0.0	5.0	400m*	12n	290m	55	125	AA98	D14-1d
12	ITT74H04J	INV	TP	6	1	TTL	20m	.40	5.5	2.0	0.0	5.0	400m*	10n	290m	0	75	AA98	D14-1d
13	ITT74H04N	INV	TP	6	1	TTL	20m	.40	5.5	2.0	0.0	5.0	400m*	10n	290m	0	75	AA98	D14-1c
14	ITT74H05J	INV	OC	6	1	TTL	20m	.40	5.5	2.0	0.0	5.0	400m*	12n	290m	0	75	AA98	D14-1d
15	ITT74H05N	INV	OC	6	1	TTL	20m	.40	5.5	2.0	0.0	5.0	400m*	12n	290m	0	75	AA98	D14-1c
16	N8T94A	INV	OC	6	1	TTL	20m	.50	5.5	2.0	0.0	5.0	300m*	6.0nt	270m	0	75	AA98	D14-1a
17#	M5S004P	INV	TP	6	1	TTL	20m	.50	7.0	2.0	0.0	5.0	5.0n	270m	0	75	AA22	TO116	
18#	M5S005P	INV	OC	6	1	TTL	20m	.50	7.0	2.0	0.0	5.0	7.5n	270m	0	75	AA25	TO116	
19	TG54S04F	INV	TP	6	1	TTL	20m	.50	7.0	2.0	0.0	5.0	5.0n	270m	55	125	AA22	TO86	
20	TG54S04J	INV	TP	6	1	TTL	20m	.50	7.0	2.0	0.0	5.0	5.0n	270m	55	125	AA22	TO116	
21	TG54S05F	INV	OC	6	1	TTL	20m	.50	7.0	2.0	0.0	5.0	7.5n	270m	55	125	AA26	TO86	
22	TG54S05J	INV	OC	6	1	TTL	20m	.50	7.0	2.0	0.0	5.0	7.5n	270m	55	125	AA26	TO116	
23	TG74S04F	INV	TP	6	1	TTL	20m	.50	7.0	2.0	0.0	5.0	5.0n	270m	0	70	AA22	TO86	
24	TG74S04J	INV	TP	6	1	TTL	20m	.50	7.0	2.0	0.0	5.0	5.0n	270m	0	70	AA22	TO116	
25	TG74S05F	INV	OC	6	1	TTL	20m	.50	7.0	2.0	0.0	5.0	7.5n	270m	0	70	AA26	TO86	
26	TG74S05J	INV	OC	6	1	TTL	20m	.50	7.0	2.0	0.0	5.0	7.5n	270m	0	70	AA26	TO116	
27	74LS366J	INV	3S	6	1	TTL	24m	.50	5.2	2.0	0.0	5.0	400m	15n	105m	0	70	AA41	D16-7w
28	74LS366W	INV	3S	6	1	TTL	24m	.50	5.2	2.0	0.0	5.0	400m	15n	105m	0	70	AA41	F16-3b
29	74LS368J	INV	3S	6	1	TTL	24m	.50	5.2	2.0	0.0	5.0	400m	15n	105m	0	70	AA43	D16-7w
30	74LS368W	INV	3S	6	1	TTL	24m	.50	5.2	2.0	0.0	5.0	400m	15n	105m	0	70	AA43	F16-3b
31	ITT5416J	INV	OC	6	1	TTL	30m	.70	15	2.0	0.0	5.0	400m*	15n	190m	55	125	AA98	D14-1d
32#	SFC416EM	INV	OC	6	1	TTL	30m	.70	15	2.0	0.0	5.0	400m*	23n	255m	55	125	AA27	TO116
33#	SFC416ET	INV	OC	6	1	TTL	30m	.70	15	2.0	0.0	5.0	400m*	23n	255m	25	85	AA27	TO116
34#	SFC416JM	INV	OC	6	1	TTL	30m	.70	15	2.0	0.0	5.0	400m*	23n	255m	55	125	AA27	TO116
35#	SFC416KM	INV	OC	6	1	TTL	30m	.70	15	2.0	0.0	5.0	400m*	23n	255m	55	125	AA27	TO116
36#	SFC416PM	INV	OC	6	1	TTL	30m	.70	15	2.0	0.0	5.0	400m*	23n	255m	55	125	AA27	TO85
37	ITT5406J	INV	OC	6	1	TTL	30m	.70	30	2.0	0.0	5.0	400m*	15n	190m	55	125	AA98	D14-1d
38#	SFC406EM	INV	OC	6	1	TTL	30m	.70	30	2.0	0.0	5.0	400m*	23n	255m	55	125	AA27	TO116
39#	SFC406ET	INV	OC	6	1	TTL	30m	.70	30	2.0	0.0	5.0	400m*	23n	255m	25	85	AA27	TO116
40#	SFC406JM	INV	OC	6	1	TTL	30m	.70	30	2.0	0.0	5.0	400m*	23n	255m	55	125	AA27	TO116
41#	SFC406KM	INV	OC	6	1	TTL	30m	.70	30	2.0	0.0	5.0	400m*	23n	255m	55	125	AA27	TO116
42#	SFC406PM	INV	OC	6	1	TTL	30m	.70	30	2.0	0.0	5.0	400m*	23n	255m	55	125	AA27	TO85
43	ITT7416J	INV	OC	6	1	TTL	40m	.70	15	2.0	0.0	5.0	400m*	15n	190m	0	75	AA98	D14-1d
44	ITT7416N	INV	OC	6	1	TTL	40m	.70	15	2.0	0.0	5.0	400m*	15n	190m	0	70	AA98	D14-1c
45#	SFC416E	INV	OC	6	1	TTL	40m	.70	15	2.0	0.0	5.0	400m*	23n	255m	0	70	AA27	TO116
46	ITT7406J	INV	OC	6	1	TTL	40m	.70	30	2.0	0.0	5.0	400m*	15n	190m	0	75	AA98	D14-1d
47	ITT7406N	INV	OC	6	1	TTL	40m	.70	30	2.0	0.0	5.0	400m*	15n	190m	0	75	AA98	D14-1c
48#	SFC406E	INV	OC	6	1	TTL	40m	.70	30	2.0	0.0	5.0	400m*	23n	255m	0	70	AA27	TO116
49	N8T96B	INV	3S	6	1	TTL	48m	.50	2.0	.80	0.0	5.0	300m*	11n	295m	0	75	AA107	D16-2a
50	N8T98B	INV	3S	6	1	TTL	48m	.50	2.0	.80	0.0	5.0	300m*	11n	295m	0	75	AA109	D16-2a
51	XC8T96L	INV	3S	6	1	TTL	48m	.50	2.0	.80	0.0	5.0	300m*	12n	467m	0	75	AA17	D16-7a
52	XC8T96P	INV	3S	6	1	TTL	48m	.50	2.0	.80	0.0	5.0	300m*	12n	467m	0	75	AA17	D16-10
53	XC8T98L	INV	3S	6	1	TTL	48m	.50	2.0	.80	0.0	5.0	300m*	12n	467m	0	75	AA19	D16-7a
54	XC8T98P	INV	3S	6	1	TTL	48m	.50	2.0	.80	0.0	5.0	300m*	12n	467m	0	75	AA19	D16-10
55	CD4502BK	INV	3S	6	1	CMS	49m	1.5	18	15†	0.01	15	65n	800m	55	125	AA7	Δ004AG	
56	NE582B	INV	OC	6	1	RTL	400m	.75	10	7.5†	0.01	10	80n	500m	0	70	AA110	D16-2a	
57	UL03C	INV	Δ	6	1	MOS	6.2m†	2.5	30	-9.0	-3.5	0.0	1.0	120	120	55	125	AA115	FPP
58#	SP702AT	NAIV		1	1	TTL	10m	□	30	-2.7	-80%	30	35n	160m	0	70	AA56	CN8	
59#	SP702BT	NAIV		1	1	TTL	10m	□	30	-2.7	-80%	30	35n	80m	0	70	AA56	CN8	
60#	SP752AF	NAIV		1	1	TTL	10m	□	30	-2.7	-80%	30	35n	160m	0	70	AA58	F10-1	
61#	SP752BF	NAIV		1	1	TTL	10m	□	30	-2.7	-80%	30	35n	80m	0	70	AA58	F10-1	
62	54LS40CH	NAND	TP	4	4	TTL	12m	.40	2.0	.70	0.0	5.0	300m*	14n	30m	55	125	AA32a	CHZ
63	54LS40J	NAND	TP	4	4	TTL	12m	.40	2.0	.70	0.0	5.0	300m*	14n	30m	55	125	AA32a	D14-4e
64	54LS40W	NAND	TP	4	4	TTL	12m	.40	2.0	.70	0.0	5.0	300m*	14n	30m	55	125	AA32a	F14-9
65#	SFC440LSEM	NAND	TP	4	4	TTL	12m	.40	2.0	.80	0.0	5.0	400m*	24n	30m	55	125	AA38	TO116
66	ITT54H40J	NAND	TP	4	4	TTL	20m	.40	5.5	2.0	0.0	5.0	400m*	12n	80m	55	125	AA105	D14-1d
67	ITT74H40J	NAND	TP	4	4	TTL	20m	.40	5.5	2.0	0.0	5.0	400m*	12n	80m	0	75	AA105	D14-1d
68	ITT74H40N	NAND	TP	4	4	TTL	20m	.40	5.5	2.0	0.0	5.0	400m*	12n	80m	0	75	AA105	D14-1c
69	74LS40J	NAND	TP	4	4	TTL	22m	.50	5.2	2.0	0.0	5.0	400m	15n	30m	0	70	AA20b	D14-4
70	74LS40W	NAND	TP	4	4	TTL	22m	.50	5.2	2.0	0.0	5.0	400m	15n	30m	0	70	AA20b	F14-13
71#	SFC440LSE	NAND	TP	4	4	TTL	24m	.50	2.0	.80	0.0	5.0	400m*	24n	30m	0	70	AA38	TO116
72#	MIC932-1D	NAND	TP	4	4	DTL	36m	.40	1.9	1.1	0.0	5.0	700m*	80n	133m	55	125	AA104	TO116
73#	MIC932-5D	NAND	TP	4	4	DTL	36m	.45	1.9	1.1	0.0	5.0	650m*	80n	150m	0	75	AA104	TO116
74#	M5932P	NAND	RP	4	4	DTL	36m	.40	6.0	2.6	40%	0.0	5.0	80m	52m†	0	75	AA31	TO116
75#	SFC440E	NAND	TP	4	4	TTL	48m	.40	2.0	.80	0.0	5.0	400m*	22n	135m	0	70	AA20b	TO116
76#	SFC440EM	NAND	TP	4	4	TTL	48m	.40	2.0	.80	0.0	5.0	400m*	22n					

2. LOGIC BUFFERS/DRIVERS

IN ORDER OF: (1)BASIC LOGIC (2)CKTS/DEVICE
(3)MIN.OUTPUT CURR.(4)MAX.Vo & (5)TYPE NUMBER

LINE No.	TYPE NUMBER	FUNCT.CODE		ORGANIZ.	T	I	3	MINIMUM OUTPUT CURRENT		4	MAX. OUTPUT VOLT.	INPUT LOGIC LEVEL		RATED PWR. SUPPLY SPAN		MAX. NOISE IMMUNITY (V)	MAX. PROP. DELAY (ns)	MAX. OPERATE PWR. DISS.		OPER. TEMP.		LOGIC DWG. No.	OUTLINE DWG. No.							
		1	2					PER DEV	LOGIC CKTS			INPT PER CKT	E	C	H			(A)	@ Vo (V)	(V)	HIGH (min) (V)			LOW (max) (V)	NEG. (V)	POS. (V)	W	D	(-) (°C)	(+) (°C)
1#	SFC437E	NAND	TP	4	2	TTL		48m	.40		2.0	.80	.80	0.0	5.0	400m*	22n	270m	0	70	AA20d	TO116								
2#	SFC437EM	NAND	TP	4	2	TTL		48m	.40		2.0	.80	.80	0.0	5.0	400m*	22n	270m	55	125	AA20d	TO116								
3#	SFC437ET	NAND	TP	4	2	TTL		48m	.40		2.0	.80	.80	0.0	5.0	400m*	22n	270m	25	85	AA20d	TO116								
4#	SFC437JM	NAND	TP	4	2	TTL		48m	.40		2.0	.80	.80	0.0	5.0	400m*	22n	270m	55	125	AA20d	TO116								
5#	SFC437KM	NAND	TP	4	2	TTL		48m	.40		2.0	.80	.80	0.0	5.0	400m*	22n	270m	55	125	AA20d	TO116								
6#	SFC437PM	NAND	TP	4	2	TTL		48m	.40		2.0	.80	.80	0.0	5.0	400m*	22n	270m	55	125	AA20d	TO85								
7#	SFC438E	NAND	OC	4	2	TTL		48m	.40		2.0	.80	.80	0.0	5.0	400m*	22n	270m	0	70	AA35	TO116								
8#	SFC438EM	NAND	OC	4	2	TTL		48m	.40		2.0	.80	.80	0.0	5.0	400m*	22n	270m	55	125	AA35	TO116								
9#	SFC438ET	NAND	OC	4	2	TTL		48m	.40		2.0	.80	.80	0.0	5.0	400m*	22n	270m	25	85	AA35	TO116								
10#	SFC438JM	NAND	OC	4	2	TTL		48m	.40		2.0	.80	.80	0.0	5.0	400m*	22n	270m	55	125	AA35	TO116								
11#	SFC438KM	NAND	OC	4	2	TTL		48m	.40		2.0	.80	.80	0.0	5.0	400m*	22n	270m	55	125	AA35	TO116								
12#	SFC438PM	NAND	OC	4	2	TTL		48m	.40		2.0	.80	.80	0.0	5.0	400m*	22n	270m	55	125	AA35	TO85								
13#	MIC5437J	NAND	TP	4	2	TTL		48m	.40	5.5	2.0	.80	0.0	5.0	400m*	22n	270m	55	125	AA20d	D14-12a									
14#	MIC5438J	NAND	TP	4	2	TTL		48m	.40	5.5	2.0	.80	0.0	5.0	400m*	22n	270m	55	125	AA35	D14-12a									
15#	MIC7437J	NAND	TP	4	2	TTL		48m	.40	5.5	2.0	.80	0.0	5.0	400m*	22n	270m	0	75	AA20d	D14-12a									
16#	MIC7437N	NAND	TP	4	2	TTL		48m	.40	5.5	2.0	.80	0.0	5.0	400m*	22n	270m	0	75	AA20d	D14-8c									
17#	MIC7438J	NAND	TP	4	2	TTL		48m	.40	5.5	2.0	.80	0.0	5.0	400m*	22n	270m	0	75	AA35	D14-12a									
18#	MIC7438N	NAND	TP	4	2	TTL		48m	.40	5.5	2.0	.80	0.0	5.0	400m*	22n	270m	0	75	AA35	D14-8c									
19#	MIC5438AJ	NAND	OC	4	2	TTL		48m	.40	15	2.0	.80	0.0	5.0	400m*	22n	270m	55	125	AA35	D14-12a									
20#	MIC7438AJ	NAND	OC	4	2	TTL		48m	.40	15	2.0	.80	0.0	5.0	400m*	22n	270m	0	75	AA35	D14-12a									
21#	MIC7438AN	NAND	OC	4	2	TTL		48m	.40	15	2.0	.80	0.0	5.0	400m*	22n	270m	0	75	AA35	D14-8c									
22#	SFF24050AEV	NIIV	DC	6	1	CMS		8.0m	.50		9.99	.01%	0.0	10	4.5 ↑	140n	200m	40	85	AA6	D16-13a									
23#	SFF24050AKM	NIIV	DC	6	1	CMS		8.0m	.50		9.99	.01%	0.0	10	4.5 ↑	140n	200m	55	125	AA6	D16-13a									
24	54LS125DM	NIV	3S	4	1	TTL		12m	.40		2.0	.70	0.0	5.0	300m*	16n	100m	55	125	AA34	D14-4c									
25	54LS125FM	NIV	3S	4	1	TTL		12m	.40		2.0	.70	0.0	5.0	300m*	16n	100m	55	125	AA34	TO86									
26	74LS125DC	NIV	3S	4	1	TTL		12m	.40		2.0	.80	0.0	5.0	300m*	16n	100m	0	75	AA34	D14-4c									
27	74LS125FC	NIV	3S	4	1	TTL		12m	.40		2.0	.80	0.0	5.0	300m*	16n	100m	0	75	AA34	TO86									
28	74LS125PC	NIV	3S	4	1	TTL		12m	.40		2.0	.80	0.0	5.0	300m*	16n	100m	0	75	AA34	D14-14									
29	54LS125J	NIV	3S	4	1	TTL		12m	.40	5.5	2.0	.70	0.0	5.0	300m*	15n	100m	55	125	AA34	D14-4									
30	54LS125W	NIV	3S	4	1	TTL		12m	.40	5.5	2.0	.70	0.0	5.0	300m*	15n	100m	55	125	AA34	F14-13									
31	74LS125J	NIV	3S	4	1	TTL		24m	.50	5.2	2.0	.80	0.0	5.0	400m*	15n	100m	0	70	AA34	D14-4									
32	74LS125W	NIV	3S	4	1	TTL		24m	.50	5.2	2.0	.80	0.0	5.0	400m*	15n	100m	0	70	AA34	F14-13									
33	54LS365DM	NIV	3S	6	1	TTL		12m	.40		2.0	.70	0.0	5.0	300m*	16n	120m	55	125	AA41	D16-7f									
34	54LS365FM	NIV	3S	6	1	TTL		12m	.40		2.0	.70	0.0	5.0	300m*	16n	120m	55	125	AA41	F16-3									
35	54LS367DM	NIV	3S	6	1	TTL		12m	.40		2.0	.70	0.0	5.0	300m*	16n	120m	55	125	AA43	D16-7f									
36	54LS367FM	NIV	3S	6	1	TTL		12m	.40		2.0	.70	0.0	5.0	300m*	16n	120m	55	125	AA43	F16-3									
37	74LS365DC	NIV	3S	6	1	TTL		12m	.40		2.0	.80	0.0	5.0	300m*	16n	120m	0	75	AA41	D16-7f									
38	74LS365FC	NIV	3S	6	1	TTL		12m	.40		2.0	.80	0.0	5.0	300m*	16n	120m	0	75	AA41	F16-3									
39	74LS365PC	NIV	3S	6	1	TTL		12m	.40		2.0	.80	0.0	5.0	300m*	16n	120m	0	75	AA41	D16-14									
40	74LS367DC	NIV	3S	6	1	TTL		12m	.40		2.0	.80	0.0	5.0	300m*	16n	120m	0	75	AA43	D16-7f									
41	74LS367FC	NIV	3S	6	1	TTL		12m	.40		2.0	.80	0.0	5.0	300m*	16n	120m	0	75	AA43	F16-3									
42	74LS367PC	NIV	3S	6	1	TTL		12m	.40		2.0	.80	0.0	5.0	300m*	16n	120m	0	75	AA43	D16-14									
43	54LS365J	NIV	3S	6	1	TTL		12m	.40	5.5	2.0	.70	0.0	5.0	300m*	15n	120m	55	125	AA42	D16-7w									
44	54LS365W	NIV	3S	6	1	TTL		12m	.40	5.5	2.0	.70	0.0	5.0	300m*	15n	120m	55	125	AA42	F16-3b									
45	54LS367J	NIV	3S	6	1	TTL		12m	.40	5.5	2.0	.70	0.0	5.0	300m*	15n	120m	55	125	AA44	D16-7w									
46	54LS367W	NIV	3S	6	1	TTL		12m	.40	5.5	2.0	.70	0.0	5.0	300m*	15n	120m	55	125	AA44	F16-3b									
47#	TL7407N	NIV	OC	6	1	TTL		16m	.40	5.5	2.0	.80	0.0	5.0	1.0 ↑	30n	205m	0	70	AA28	DL									
48#	TL7417N	NIV	OC	6	1	TTL		16m	.40	5.5	2.0	.80	0.0	5.0	1.0 ↑	30n	205m	0	70	AA28	DL									
49#	MIC5417J	NIV	OC	6	1	TTL		16m	.40	15	2.0	.80	0.0	5.0	400m*	30n	205m	55	125	AA28	D14-12a									
50#	MIC7417J	NIV	OC	6	1	TTL		16m	.40	15	2.0	.80	0.0	5.0	440m*	30n	205m	0	75	AA28	D14-12a									
51#	MIC7417N	NIV	OC	6	1	TTL		16m	.40	15	2.0	.80	0.0	5.0	400m*	30n	205m	0	75	AA28	D14-8c									
52#	MIC5407J	NIV	OC	6	1	TTL		16m	.40	30	2.0	.80	0.0	5.0	400m*	30n	205m	55	125	AA28	D14-12a									
53#	MIC7407J	NIV	OC	6	1	TTL		16m	.40	30	2.0	.80	0.0	5.0	400m*	30n	205m	0	75	AA28	D14-12a									
54#	MIC7407N	NIV	OC	6	1	TTL		16m	.40	30	2.0	.80	0.0	5.0	400m*	30n	205m	0	75	AA28	D14-8c									
55	74LS365J	NIV	3S	6	1	TTL		24m	.50	5.2	2.0	.80	0.0	5.0	400m*	15n	120m	0	70	AA42	D16-7w									
56	74LS365W	NIV	3S	6	1	TTL		24m	.50	5.2	2.0	.80	0.0	5.0	400m*	15n	120m	0	70	AA42	F16-3b									
57	74LS367J	NIV	3S	6	1	TTL		24m	.50	5.2	2.0	.80	0.0	5.0	400m*	15n	120m	0	70	AA44	D16-7w									
58	74LS367W	NIV	3S	6	1	TTL		24m	.50	5.2	2.0	.80	0.0	5.0	400m*	15n	120m	0	70	AA44	F16-3b									
59	ITT5417J	NIV	OC	6	1	TTL		30m	.70	15	2.0	.80	0.0	5.0	400m*	10n	150m	55	125	AA92	D14-1d									
60#	SFC417EM	NIV	OC	6	1	TTL		30m	.70	15	2.0	.80	0.0	5.0	400m*	30n	205m	55	125	AA28	TO116									
61#	SFC417ET	NIV	OC	6	1	TTL		30m	.70	15	2.0	.80	0.0	5.0	400m*	30n	205m	25	85	AA28	TO116									
62#	SFC417KM	NIV	OC	6	1	TTL		30m	.70	15	2.0	.80	0.0	5.0	400m*	30n	205m	55	125	AA28	TO116									
63#	SFC417PM	NIV	OC	6	1	TTL		30m	.70	15	2.0	.80	0.0	5.0	400m*	30n	205m	55	125	AA28	TO85									
64	ITT5407J	NIV	OC	6	1	TTL		30m	.70	30	2.0	.80	0.0	5.0	400m*	10n	150m	55	125	AA92	D14-1d									
65#	SFC407EM	NIV	OC	6	1	TTL		30m	.70	30	2.0	.80	0.0	5.0	400m*	30n	205m	55	125	AA28	TO116									
66#	SFC407ET	NIV	OC	6	1	TTL		30m	.70	30	2.0	.80	0.0	5.0	400m*	30n	205m	25	85	AA28	TO116									
67#	SFC407JM	NIV	OC	6	1	TTL		30m	.70	30	2.0	.80	0.0	5.0	400m*	30n	205m	55	125	AA28	TO116									
68#	SFC407KM	NIV	OC	6	1	TTL		30m	.70	30	2.0	.80	0.0	5.0	400m*	30n	205m	55	125	AA28	TO116									
69#	SFC407PM	NIV	OC	6	1	T																								

3. LINE DRIVERS/TRANSMITTERS

IN ORDER OF: (1)OUTPUT MODE (2)CKTS/DEVICE
(3)TYPICAL OUTPUT VOLTAGE & (4)TYPE NUMBER

I N T E R F A C E

LINE No.	TYPE NUMBER	OUTPUT MODE	CKTS PER DEV.	TYP. OUTPUT VOLTAGE		MIN. OUTPUT SINK CURRENT		MAX. OUTP. RESIS (Ω)	T E C H N I C A L	INPUT LOGIC LEVEL		RATED PWR. SUPPLY SPAN		MAX. PROP. DELAY tpd (s)	MAX. OPERATE PWR. DISS. (W)	OPER. TEMP.		DRAWINGS	
				HIGH (V)	LOW (V)	I (A)	@ Vo (V)			HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)			(-) (°C)	(+) (°C)	LOGIC DWG. No.	OUTLINE DWG. No.
1	MC75113L	D	1	.02∅	-.02	18m∅		50	DTL	8.0	4.0	8.0	8.0	30n	488m	0	75	AB22	TO116
2#	SP721BF	D	1	.02∅	-.02	8.0m†	.80	100	TTL	2.0	.80	5.0	5.0	15n†	225m	0	70	AB27	F10-1
4#	SFC5109E	D	2	.03	0.0	3.5m		50	TTL	2.0	.80	5.0	5.0	25n	250m	0	70	AB24	TO116
5#	SFC5109EM	D	2	.03	0.0	3.5m		50	TTL	2.0	.80	5.0	5.0	25n	250m	55	125	AB24	TO116
6#	SFC5109JM	D	2	.03	0.0	3.5m		50	TTL	2.0	.80	5.0	5.0	25n	250m	55	125	AB24	TO116
7#	SFC5109KM	D	2	.03	0.0	3.5m		50	TTL	2.0	.80	5.0	5.0	25n	250m	55	125	AB24	TO116
7#	SFC5110E	D	2	.06	0.0	6.5m		50	TTL	2.0	.80	5.0	5.0	25n	250m	0	70	AB24	TO116
8#	SFC5110EM	D	2	.06	0.0	6.5m		50	TTL	2.0	.80	5.0	5.0	25n	250m	55	125	AB24	TO116
9#	SFC5110JM	D	2	.06	0.0	6.5m		50	TTL	2.0	.80	5.0	5.0	25n	250m	55	125	AB24	TO116
10#	SFC5110KM	D	2	.06	0.0	6.5m		50	TTL	2.0	.80	5.0	5.0	25n	250m	55	125	AB24	TO116
11	55121FM	D	2	2.4*		220m†	1.5		TTL	2.0	.80	0.0	5.0	50n	300m	55	125	AB28	F16-3
12#	ITT7141	D	2	2.5*	40Δ	100m	.70	100	TTL	2.0	.80	0.0	5.0	25n	170m	0	70	AB53	TO116
13	9612EHC	D	2	2.6	25	50m	.40		TTL	2.0	.80	0.0	5.0	20n	250m	0	70	AB29	TO99
14	9612AHM	D	2	2.75	20	40m	.40		TTL	2.0	.80	0.0	5.0	30n	250m	55	125	AB29	TO99
15	9612HC	D	2	2.75	20	40m	.40		TTL	2.0	.80	0.0	5.0	30n	250m	0	70	AB29	TO99
16	ITT9614-1J	D	2	3.2	20	40m	.40	100	TTL	1.7	.90	0.0	5.0	20n\$	250m	55	125	AB38	D16-2d
17	ITT9614-5J	D	2	3.2	20	40m	.45	100	TTL	1.8	.85	0.0	5.0	30n\$	250m	0	75	AB38	D16-2d
18	9634FM	D	2	3.5	50Δ	50m	.50	50	TTL	2.0	.70\$	0.0	5.0	15n	345m	55	125	AB81	F16-3
19	55109DM	D	2	10Δ	-3.0*	6.0m			TTL	2.0	.80	5.0	5.0	25n	300m	55	125	AB2	D14-4c
20	55109FM	D	2	10Δ	-3.0*	12m†			TTL	2.0	.80	5.0	5.0	25n	325m	55	125	AB2	TO86
21	55110DM	D	2	10Δ	-3.0*	12m†			TTL	2.0	.80	5.0	5.0	25n	325m	55	125	AB2	D14-4c
22	55110FM	D	2	10Δ	-3.0*	12m†			TTL	2.0	.80	5.0	5.0	25n	325m	55	125	AB2	TO86
23	75109DC	D	2	10Δ	-3.0*	6.0m			TTL	2.0	.80	5.0	5.0	25n	300m	0	70	AB2	D14-4c
24	75110DC	D	2	10Δ	-3.0*	12m†			TTL	2.0	.80	5.0	5.0	25n	325m	0	70	AB2	D14-4c
25	HD1-245	D	3	.50	-30∇	2.3m	0.0		TTL	3.2	0.0†	0.0	5.0	10n	93m	55	125	AB32	D14-18
26	HD1-545	D	3	.50	-30∇	1.9m	0.0		TTL	3.2	0.0†	0.0	5.0	10n	120m	0	75	AB32	D14-18
27	HD9-245	D	3	.50	-30∇	2.3m	0.0		TTL	3.2	0.0†	0.0	5.0	10n	93m	55	125	AB32	TO86
28	HD9-545	D	3	.50	-30∇	1.9m	0.0		TTL	3.2	0.0†	0.0	5.0	10n	120m	0	75	AB32	TO86
29	8T100	D	4	3.0	0.0	40m	.50		TTL			0.0	5.0			0	75	AB56	DL∇
30	8T101	D	4	3.0	0.0	40m	.50		TTL			0.0	5.0			0	75	AB56	DL∇
31	DS1688J	D	4	5.5Δ	1.0Δ	100m∇			TTL	2.0	.80\$	0.0	5.0	20n†	65m†	55	125	AB25	D16-7d
32	DS3688J	D	4	5.5Δ	1.0Δ	100m∇			TTL	2.0	.80\$	0.0	5.0	20n†	65m†	0	70	AB25	D16-7d
33	DS3688N	D	4	5.5Δ	1.0Δ	100m∇			TTL	2.0	.80\$	0.0	5.0	20n†	65m†	0	70	AB25	D16-16
34	5550	D	8			40m	.50		TTL	2.0	.45	0.0	5.0	18n	750m†	0	70	AB45	PC12
35	9621DM	DS	2	4.3	20	20m	.40		TTL	2.0	1.0	0.0	12	150n	101m†	55	125	AB31	D14-4c
36	9621FM	DS	2	4.3	20	20m	.40		TTL	2.0	1.0	0.0	12	150n	101m†	55	125	AB31	TO86
37	9621DC	DS	2	4.4	20	20m	.40		TTL	2.0	1.0	0.0	12	200n	101m†	0	70	AB31	D14-4c
38	9621PC	DS	2	4.4	20	20m	.40		TTL	2.0	1.0	0.0	12	200n	101m†	0	70	AB31	D14-14
39	uA8T13FM	S	2	2.4*	40Δ	220m†	1.5		TTL	2.0	.80	0.0	5.0	20n	315m	55	125	AB28	F16-3
40	RC8T13DD	S	2	2.8*	0.0	75m	2.8		TTL	2.0	.80	0.0	5.0	20n	315m	0	75	AB28	D16-7j
41	RM8T13DD	S	2	2.8*	0.0	75m	2.8		TTL	2.0	.80	0.0	5.0	20n	315m	55	125	AB28	D16-7j
42#	M5325P	S	2	2.9	25	54m	.40		TTL	2.4	.40%	0.0	5.0	35n	250m∇	0	75	AB69	TO116
43	N8T13B	S	2	3.0	0.0	75m	2.4		TTL	2.0	.80	0.0	5.0	20n\$	315m	0	75	AB28	D16-2a
44	N8T23B	S	2	3.1*	.15Δ	59m	3.1		TTL	2.0	.80	0.0	5.0	25n\$	315m	0	75	AB28	D16-2a
45	RC8T23DD	S	2	3.11*	.15Δ	59m			TTL	2.0	.80	0.0	5.0	50n	315m	0	75	AB28	D16-7j
46	RM8T23DD	S	2	3.11*	.15Δ	59m			TTL	2.0	.80	0.0	5.0	50n	315m	55	125	AB28	D16-7j
47	CM1150	S	2	6.7	-6.7	20m	0.0	100	TTL	2.4	.80	12	12	20n†	800m	0	70	AB1	TO116
48	CM1151	S	2	6.7	-6.7	20m	0.0	100	TTL	2.4	.80	12	12	20n†	800m	0	70	AB1	TO116
49	9616FM	S	3	6.0	-6.0				TTL	2.0	.80	12	12	320n	360m†	55	125	AB30	TO86
50	IM5001CDD	S	4	2.4	.45	120m†	.45	39	TTL	1.8	.85	0.0	5.0	25n	1.0∇	0	75	AB51	D14-21
51	IM5001MDD	S	4	2.4	.40	120m†	.40	39	TTL	2.0	.80	0.0	5.0	25n	1.0∇	55	125	AB51	D14-21
52	IM5001NDD	S	4	2.4	.40	120m†	.40	39	TTL	2.0	.80	0.0	5.0	25n	1.0∇	25	70	AB51	D14-21
53	IM5011CDD	S	4	2.4	.45	120m†	.45	56	TTL	1.8	.85	0.0	5.0	25n	1.0∇	0	75	AB51	D14-21
54	IM5011MDD	S	4	2.4	.40	120m†	.40	56	TTL	2.0	.80	0.0	5.0	25n	1.0∇	55	125	AB51	D14-21
55	IM5011NDD	S	4	2.4	.40	120m†	.40	56	TTL	2.0	.80	0.0	5.0	25n	1.0∇	25	70	AB51	D14-21
56	N8T09A	S	4	2.4*	.40Δ	40m	.40		TTL	2.0	.80	0.0	5.0	20n\$	340m	0	75	AB55	D14-1a
57	ITT1488-1J	S	4	7.0	-7.0	6.0m	0.0	300*	DTL	1.9	.80	9.0	9.0	350n	333m	55	125	AB9	D14-1d
58	ITT1488-5J	S	4	7.0	-7.0	6.0m	0.0	300*	DTL	1.9	.80	9.0	9.0	350n	333m	0	75	AB9	D14-1d
59	SN75175J	S	4	60∅	60∅			100u	TTL	2.0	.80	0.0	5.0		1.4k	0	70	AB87	D14-8
60	SN54LS144J#	S	8	3.4	.25	12m	.40		TTL	2.0	.70\$	0.0	5.0	18n	270m	55	125	AB15	D20-4

4. MEMORY/CLOCK DRIVERS

IN ORDER OF: (1)TYPE CODE (2)CKTS/DEVICE (3)MIN. OUTPUT SINK CURR. & (4)TYPE NUMBER

LINE No.	TYPE NUMBER	TYPE CODE	CKTS PER DEV.	MIN. OUTPUT SINK CURR.		SINK HIGH VOLT. (V)	PROPAGATION DELAY (ps)	MAXIMUM @CAP. (F)	MAX. INPUT CURR. (LOW) (A)	T E C H N	INPUT LOGIC LEVEL		RATED PWR. SUPPLY SPAN		MAX. PWR. DISS. (W)	OPER. TEMP.		ADD. INPT FUNC	DRAWINGS	
				I (A)	@ Vo (V)						HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)		(-) (°C)	(+) (°C)		LOGIC DWG. No.	OUTLINE DWG. No. =MO
1	CH1038	C	1	2.0m	.50	18	35n	1.0n		MOS	9.0	2.7%	0.0	20	500m	25	85		AC26	MD24
2#	MO02T1	C	1	2.0m	.50	25	100n	200p		MOS	-9.0	-2.0	0.0	27	700m	0	70		AC32	TO100
3	CH1032	C	1	1.0 #	4.8	40n	40n	1.0n		MOS	4.0	-11%	0.0	12	325m	25	85		AC2	MD3a
4#	SP1023	C	2	2.5m	-1.5	23	2.0n		100u	ECL	-1.0	-1.3	5.2	0.0	250m	0	75		AC17	D14-12
5#	SP1223	C	2	2.5m	-1.5	23	2.0n		100u	ECL	-1.0	-1.3	5.2	0.0	250m	0	75		AC17	D14-12
6	ICH7201CDD	C	2	50m	1.5†	23	40n	500p		MOS	2.1	.90	0.0	25	1.0	0	70		AC30	D14-3a
7	ICH7201CGC	C	2	50m	1.5†	23	40n	500p		MOS	2.1	.90	0.0	25	1.5	0	70		AC30a	CN1a
8	ICH7201MDD	C	2	50m	1.5†	23	40n	500p		MOS	2.0	.90	0.0	25	1.0	0	70		AC30	D14-3a
9	ICH7201MGC	C	2	50m	1.5†	23	40n	500p		MOS	2.0	.90	0.0	25	1.5	0	70		AC30a	CN1a
10	IM5003ACTC	C	2	50m	6.0	11	7.0n	200p		MOS	11.3†	9.3%†	10	10	1.0	0	75		AC31f	D14-17
11	IM5003ACTC	C	2	50m	6.0	11	7.0n	200p		MOS	11.3†	9.3%†	10	10	1.2	0	75		AC31g	CN1a
12	IM5003AMDD	C	2	50m	6.0	11	7.0n	200p		MOS	11.3†	9.3%†	10	10	1.0	0	75		AC31h	D14-17
13	IM5003AMTC	C	2	50m	6.0	11	7.0n	200p		MOS	11.3†	9.3%†	10	10	1.2	0	75		AC31g	CN1a
14	IM5003ACDD	C	2	50m	6.0	11	7.0n	200p		MOS	11.5†	8.5%†	10	10	1.0	0	75		AC31d	D14-17
15	IM5003CTC	C	2	50m	6.0	11	7.0n	200p		MOS	11.5†	8.5%†	10	10	1.5	0	75		AC31e	CN1a
16	IM5003MDD	C	2	50m	6.0	11	7.0n	200p		MOS	11.5†	8.5%†	10	10	1.0	0	75		AC31d	D14-17
17	IM5003MTC	C	2	50m	6.0	11	7.0n	200p		MOS	11.5†	8.5%†	10	10	1.5	0	75		AC31e	CN1a
18	CH1034	C	2	500m #	-1.1	11	45n			MOS	11.5	-12%	12	12	120m	25	70		AC3	MD24
19	9646DC	C	2	1.5		20	15n	1.0n	10u	TTL	2.0	.40	0.0	20	800m	0	70		AC15c	D14-4c
20	9646PC	C	2	1.5		20	15n	1.0n	10u	TTL	2.0	.40	0.0	20	800m	0	70		AC15c	D14-14
21#	SFC50026	C	2	1.5		19	15n	1.0n	10u	TTL	2.5	.40	0.0	20	800m	0	70		AC15	TO99
22#	HD2922	C	4	5.0m	.45	12	40n	250p	2.0m	BMS	-1.0	-1.5	5.2	12	1.0	0	75		AC46	D16-7r
23	CH1080	C	4	30m	.500	3.9	11n	200p	50m	MOS	3.9†	.50†	0.0	5.5	1.0	0	75		AC6	MD3a
24	IM5003ACDD	C	4	50m	6.0	11	7.0n	200p		MOS	10.9†	9.3%†	10	10	1.0	0	75		AC31b	D14-17
25	IM5003ACPD	C	4	50m	6.0	11	7.0n	200p		MOS	10.9†	9.3%†	10	10	800m	0	75		AC31b	D14-13
26	IM5003ACTC	C	4	50m	6.0	11	7.0n	200p		MOS	10.9†	9.3%†	10	10	1.2	0	75		AC31c	CN1a
27	IM5003AMDD	C	4	50m	6.0	11	7.0n	200p		MOS	10.9†	9.3%†	10	10	1.0	0	75		AC31b	D14-17
28	IM5003AMPD	C	4	50m	6.0	11	7.0n	200p		MOS	10.9†	9.3%†	10	10	800m	0	75		AC31b	D14-13
29	IM5003AMTC	C	4	50m	6.0	11	7.0n	200p		MOS	10.9†	9.3%†	10	10	1.2	0	75		AC31c	CN1a
30	IM5003CDD	C	4	50m	6.0	11	7.0n	200p		MOS	10.9†	9.3%†	10	10	1.0	0	75		AC31	D14-17
31	IM5003CPD	C	4	50m	6.0	11	7.0n	200p		MOS	10.9†	9.3%†	10	10	800m	0	75		AC31	D14-13a
32	IM5003CTC	C	4	50m	6.0	11	7.0n	200p		MOS	10.9†	9.3%†	10	10	1.5	0	75		AC31a	CN1a
33	IM5003MDD	C	4	50m	6.0	11	7.0n	200p		MOS	10.9†	9.3%†	10	10	1.0	0	75		AC31	D14-17
34	IM5003MPD	C	4	50m	6.0	11	7.0n	200p		MOS	10.9†	9.3%†	10	10	800m	0	75		AC31	D14-13a
35	IM5003MTC	C	4	50m	6.0	11	7.0n	200p		MOS	10.9†	9.3%†	10	10	1.5	0	75		AC31a	CN1a
36	3207A-1F	C	4	100m		25	45n	200p	250u	TTL	2.0	.80	0.0	19	1.0	0	70		AC42	D16-7h
37	3207AF	C	4	100m		25	45n	200p	250u	TTL	2.0	.80	0.0	16	900m	0	70		AC42	D16-7h
38#	ZN1002E	M	1	110m	.90	15	30n			TTL	2.4	.40	0.0	5.0	325m	0	70		AC35	D16-10b
39	DS3629J	M	1	420m	.85	15	110n	20p	12m	TTL	3.5	.80	0.0	14	560m	0	70		AC1a	D16-7d
40	DS3629N	M	1	420m	.85	15	110n	20p	12m	TTL	3.5	.80	0.0	14	560m	0	70		AC1a	D14-11
41	75324A	M	4	420m	.85	15	110n	20p	12m	TTL	3.5	.80	0.0	14	800m	0	70		AC1	D14-1a
42	ITT75324B	M	4	420m	.85	15	110n	20p	12m	TTL	3.5	.80	0.0	14	560m	0	70		AC1	FP
43	ITT75324J	M	4	420m	.85	15	110n	20p	12m	TTL	3.5	.80	0.0	14	560m	0	70		AC1	DL
44	ITT75324N	M	4	420m	.85	15	110n	20p	12m	TTL	3.5	.80	0.0	14	560m	0	70		AC1	DL
45	US75324A	M	4	420m	.85	15	110n	20p	12m	TTL	3.5	.80	0.0	14	560m	0	70		AC1	D14-1
46	US75324G	M	4	420m	.85	15	110n	20p	12m	TTL	3.5	.80	0.0	14	560m	0	70		AC1	F14-2
47	US75324H	M	4	420m	.85	15	110n	20p	12m	TTL	3.5	.80	0.0	14	560m	0	70		AC1	D14-3
48	US75324J	M	4	420m	.85	15	110n	20p	12m	TTL	3.5	.80	0.0	14	560m	0	70		AC1	F14-2a
49	SN55326W	M	4	600m	.70	23	50n	25p	6.4m	TTL	2.0	.80	0.0	5.0	375m	55	125		AC8	A004AG
50	SN55327W	M	4	600m	.70	23	55n	25p	6.4m	TTL	2.0	.80	0.0	5.0	275m	55	125		AC9	A004AG
51	ITT55325J	M	4	600m	.70	23	50n	25p	1.6m	TTL	2.0	.80	0.0	24	1.5	0	70		AC10	DL
52	ITT55325N	M	4	600m	.70	23	50n	25p	1.6m	TTL	2.0	.80	0.0	24	1.5	0	70		AC10	DL
53	ITT55325J	M	4	600m	.75	23	50n	25p	1.6m	TTL	2.0	.80	0.0	24	1.5	0	70		AC10	DL
54	ITT55325N	M	4	600m	.75	23	50n	25p	1.6m	TTL	2.0	.80	0.0	24	1.5	0	70		AC10	DL
55	RC75325DD	M	4	600m	.75	23	50n	25p	1.6m	TTL	2.0	.80	0.0	24	1.0	0	70		AC10	D16-7j
56	RM55325DD	M	4	600m	.70	23	50n	25p	1.6m	TTL	2.0	.80	0.0	24	1.0	0	75		AC10	D16-7j
57#	SFC5325E	M	4	600m	.75	19	50n	25p	1.6m	TTL	2.0	.80	0.0	5.0	350m	0	70		AC10	D16-13a
58#	SFC5325KM	M	4	600m	.70	19	50n	25p	1.6m	TTL	2.0	.80	0.0	5.0	350m	55	125		AC10	D16-13a
59#	SFC5325KT	M	4	600m	.75	19	50n	25p	1.6m	TTL	2.0	.80	0.0	5.0	350m	25	85		AC10	D16-13a
60	SN55325W	M	4	600m	.70	23	50n	25p	1.6m	TTL	2.0	.80	0.0	24	1.5	0	75		AC10	A004AG
61	SN55329RA	M	8	12m			110n		50m	TTL			0.0	12	30m	55	110		AC7	F24-1

INTERFACE

5. PERIPHERAL/POWER DRIVERS

IN ORDER OF: (1)CKTS/DEVICE (2)ABS. MAX Ion
(3)ABS. MAX. COLLECTOR VOLT. & (4)TYPE NUMBER

LINE No.	TYPE NUMBER	CKTS. PER DEV.	OUTPUT TRANSIS.		MAX. OUTPUT V _{on}	MAX. OUTPUT I _c	OVER-ALL GATE FUNCT. CODE	IN-PUT COM	MAX. PROP. DELAY T _{pd}	T E C H N	INPUT LOGIC LEVEL		RATED PWR. SUPPLY SPAN		MAX. OPERATE PWR. DISS. (W)	OPER. TEMP.		DRAWINGS			
			2 ABS. MAX. Ion	3 AB. MAX. VCE							OUTP. CONN. -ECT	4	HIGH (min)	LOW (max)		NEG. (V)	POS. (V)	(-)	(+)	LOGIC DWG. No.	OUTLINE DWG. No.
			(A)	(V)							(V)	(V)	(V)	(V)		(V)	(V)	(°C)	(°C)		Δ = MO
1	SH2002FC	1	250m	40	OC	450m	250m	NAND	A	TTL	1.9†	1.1†	0.0	5.0	153m	0	75	AD34a	TO91		
2	SH2002FM	1	250m	40	OC	400m	250m	NAND	A	TTL	1.9†	1.1†	0.0	5.0	153m	55	125	AD34a	TO91		
3	SH2001FC	1	500m	40	OC	450m	150m	NAND	A	TTL	1.9†	1.1†	0.0	5.0	153m	0	75	AD34a	TO91		
4	SH2001FM	1	500m	40	OC	400m	150m	NAND	A	TTL	1.9†	1.1†	0.0	5.0	153m	55	125	AD34a	TO91		
5	SH2200FC	1	500m	50	OC	600m	500m	NAND	A	TTL	1.8†	.85†	0.0	5.0	62m	0	75	AD34a	TO91		
6	SH2200FM	1	500m	50	OC	600m	500m	NAND	A	TTL	1.7†	.90†	0.0	5.0	55m	55	125	AD34a	TO91		
7	SH2201FC	1	500m	100	OC	600m	500m	NAND	A	TTL	1.8†	.85†	0.0	5.0	62m	0	75	AD34a	TO91		
8	SH2201FM	1	500m	100	OC	600m	500m	NAND	A	TTL	1.7†	.90†	0.0	5.0	55m	55	125	AD34a	TO91		
9	CH2001A	1	750m	40	OC	700m	500m	NAND	A	TTL			0.0	8.0	500m	25	75	AD34	MD3a		
10#	ZST2	2	100m	30	OC	.60	100m	INV	A	DTL	2.5†	1.0†	0.0	4.0	120m	40	125	AD61	CN9		
11	55450AFM	2	300m	30	IT	800m	300m	NAAD	A	TTL	2.0	.80	0.0	5.0	55m	55	125	AD35	TO86		
12	55450BFM	2	300m	30	IT	800m	300m	NAAD	A	TTL	2.0	.80	0.0	5.0	55m	55	125	AD35	TO86		
13	55450BN	2	300m	30	IT	800m	300m	NAAD	A	TTL	2.0	.80	0.0	5.0	55m	55	125	AD35a	D14-1a		
14	55451AHM	2	300m	30	OC	800m	300m	AND	A	TTL	2.0	.80	0.0	5.0	325m	55	125	AD36	TO99		
15	55451BHM	2	300m	30	OC	800m	300m	AND	A	TTL	2.0	.80	0.0	5.0	325m	55	125	AD36	TO99		
16	55452AHM	2	300m	30	OC	800m	300m	NAND	A	TTL	2.0	.80	0.0	5.0	355m	55	125	AD37	TO99		
17	55452BHM	2	300m	30	OC	800m	300m	NAND	A	TTL	2.0	.80	0.0	5.0	355m	55	125	AD37	TO99		
18	55453AHM	2	300m	30	OC	800m	300m	OR	A	TTL	2.0	.80	0.0	5.0	340m	55	125	AD38	TO99		
19	55453BHM	2	300m	30	OC	800m	300m	OR	A	TTL	2.0	.80	0.0	5.0	340m	55	125	AD38	TO99		
20	55454AHM	2	300m	30	OC	800m	300m	NOR	A	TTL	2.0	.80	0.0	5.0	395m	55	125	AD39	TO99		
21	55454BHM	2	300m	30	OC	800m	300m	NOR	A	TTL	2.0	.80	0.0	5.0	395m	55	125	AD39	TO99		
22	75451AHC	2	300m	30	OC	700m	300m	AND	A	TTL	2.0	.80	0.0	5.0	325m	0	70	AD36	TO99		
23	75451BHC	2	300m	30	OC	700m	300m	AND	A	TTL	2.0	.80	0.0	5.0	325m	0	70	AD36	TO99		
24	75452AHC	2	300m	30	OC	700m	300m	NAND	A	TTL	2.0	.80	0.0	5.0	355m	0	70	AD37	TO99		
25	75452BHC	2	300m	30	OC	700m	300m	NAND	A	TTL	2.0	.80	0.0	5.0	355m	0	70	AD37	TO99		
26	75453AHC	2	300m	30	OC	700m	300m	OR	A	TTL	2.0	.80	0.0	5.0	340m	0	70	AD38	TO99		
27	75453BHC	2	300m	30	OC	700m	300m	OR	A	TTL	2.0	.80	0.0	5.0	340m	0	70	AD38	TO99		
28	75454AHC	2	300m	30	OC	700m	300m	NOR	A	TTL	2.0	.80	0.0	5.0	395m	0	70	AD39	TO99		
29	75454BHC	2	300m	30	OC	700m	300m	NOR	A	TTL	2.0	.80	0.0	5.0	395m	0	70	AD39	TO99		
30#	HD75450P	2	300m	30	IT	700m	300m	AND	A	TTL	2.0	.80	0.0	5.0	55m	0	70	AD35	D14-8		
31	ITT75450J	2	300m	30	IT	700m	300m	AND	T	30n†	TTL	2.0	.80	0.0	5.0	55m	0	70	AD35	D14-1d	
32	ITT75451-5T	2	300m	30	OC	700m	300m	AND	T	25n†	TTL	2.0	.80	0.0	5.0	325m	0	70	AD1	D08-4d	
33	ITT75452-5T	2	300m	30	OC	700m	300m	NAND	T	35n†	TTL	2.0	.80	0.0	5.0	355m	0	70	AD2	D08-4d	
34	ITT75453-5T	2	300m	30	OC	700m	300m	OR	T	25n†	TTL	2.0	.80	0.0	5.0	340m	0	70	AD3	D08-4d	
35	ITT75454-5T	2	300m	30	OC	700m	300m	NOR	T	35n†	TTL	2.0	.80	0.0	5.0	395m	0	70	AD4	D08-4d	
36#	SFC5452D	2	300m	30	OC	700m	300m	AND	T	50n†	TTL	2.0	.80	0.0	5.25	372m	0	70	AD37	D08-8	
37	55461HM	2	300m	35	OC	800m	300m	AND	A	55n	TTL	2.0	.80	0.0	5.0	380m	55	125	AD36	TO99	
38	55462HM	2	300m	35	OC	800m	300m	NAND	A	65n	TTL	2.0	.80	0.0	5.0	380m	55	125	AD37	TO99	
39	55463HM	2	300m	35	OC	800m	300m	OR	A	55n	TTL	2.0	.80	0.0	5.0	380m	55	125	AD38	TO99	
40	55464HM	2	300m	35	OC	800m	300m	NOR	A	65n	TTL	2.0	.80	0.0	5.0	425m	55	125	AD39	TO99	
41	75461HC	2	300m	35	OC	700m	300m	AND	A	55n	TTL	2.0	.80	0.0	5.0	380m	0	70	AD36	TO99	
42	75462HC	2	300m	35	OC	700m	300m	NAND	A	65n	TTL	2.0	.80	0.0	5.0	380m	0	70	AD37	TO99	
43	75463HC	2	300m	35	OC	700m	300m	OR	A	55n	TTL	2.0	.80	0.0	5.0	380m	0	70	AD38	TO99	
44	75464HC	2	300m	35	OC	700m	300m	NOR	A	65n	TTL	2.0	.80	0.0	5.0	425m	0	70	AD39	TO99	
45	ITT75461-5T	2	300m	35	OC	700m	300m	AND	T	65n	TTL	2.0	.80	0.0	5.0	380m	0	70	AD1	D08-4d	
46	ITT75462-5T	2	300m	35	OC	700m	300m	NAND	T	65n	TTL	2.0	.80	0.0	5.0	380m	0	70	AD2	D08-4d	
47	ITT75463-5T	2	300m	35	OC	700m	300m	OR	T	65n	TTL	2.0	.80	0.0	5.0	380m	0	70	AD3	D08-4d	
48	ITT75464-5T	2	300m	35	OC	700m	300m	NOR	T	65n	TTL	2.0	.80	0.0	5.0	425m	0	70	AD4	D08-4d	
49	55460FM	2	300m	40	IT	800m	300m	NAAD	A	65n	TTL	2.0	.80	0.0	5.0	55m	55	125	AD35	TO86	
50	55471HM	2	300m	40	OC	800m	300m	AND	A	65n	TTL	2.0	.80	0.0	5.0	380m	55	125	AD36	TO99	
51	55472HM	2	300m	40	OC	800m	300m	NAND	A	75n	TTL	2.0	.80	0.0	5.0	380m	55	125	AD37	TO99	
52	55473HM	2	300m	40	OC	800m	300m	OR	A	65n	TTL	2.0	.80	0.0	5.0	380m	55	125	AD38	TO99	
53	55474HM	2	300m	40	OC	800m	300m	OR	A	65n	TTL	2.0	.80	0.0	5.0	380m	55	125	AD39	TO99	
54	75471HC	2	300m	40	OC	700m	300m	AND	A	65n	TTL	2.0	.80	0.0	5.0	380m	0	70	AD36	TO99	
55	75472HC	2	300m	40	OC	700m	300m	NAND	A	75n	TTL	2.0	.80	0.0	5.0	380m	0	70	AD37	TO99	
56	75473HC	2	300m	40	OC	700m	300m	OR	A	65n	TTL	2.0	.80	0.0	5.0	380m	0	70	AD38	TO99	
57	75474HC	2	300m	40	OC	700m	300m	OR	A	65n	TTL	2.0	.80	0.0	5.0	380m	0	70	AD39	TO99	
58	ITT75460J	2	300m	40	IT	400m	100m	AND	T	65n	TTL	2.0	.80	0.0	5.0	55m	0	70	AD35	D14-1d	
59	55470DM	2	300m	50	IT	800m	300m	NAAD	A	75n	TTL	2.0	.80	0.0	5.0	55m	55	125	AD35	D14-4c	
60	55470FM	2	300m	50	IT	800m	300m	NAAD	A	75n	TTL	2.0	.80	0.0	5.0	55m	55	125	AD35	TO86	
61	75470DC	2	300m	50	IT	700m	300m	NAAD	A	75n	TTL	2.0	.80	0.0	5.0	55m	0	70	AD35	D14-4c	
62	75470PC	2	300m	50	IT	700m	300m	NAAD	A	75n	TTL	2.0	.80	0.0	5.0	55m	0	70	AD35	D14-14	
63	SN75411ND	2	500m	70	OC	1.0	500m	AND	A	55n	TTL	2.0	.80	0.0	5.0	380m	0	70	AD40	D14-6	
64	SN75412ND	2	500m	70	OC	1.0	500m	NAND	A	65n	TTL	2.0	.80	0.0	5.0	380m	0	70	AD41	D14-6	
65	SN75413ND	2	500m	70	OC	1.0	500m	OR	A	55n	TTL	2.0	.80	0.0	5.0	380m	0	70	AD42	D14-6	
66	SN75414ND	2	500m	70	OC	1.0	500m	NOR	A	65n	TTL	2.0	.80	0.0	5.0	425m	0	70	AD43	D14-6	
67	SN75401ND	2	700m	35	OC	1.0	500m	AND	A	55n	TTL	2.0	.80	0.0	5.0	380m	0	70	AD40	D14-6	
68	SN75402ND	2	700m	35	OC	1.0	500m	NAND	A	65n	TTL	2.0	.80	0.0	5.0	380m	0	70	AD41	D14-6	
69	SN75403ND	2	700m	35	OC	1.0	500m	OR	A	55n	TTL	2.0	.80	0.0	5.0	380m	0	70	AD42	D14-6	
70	SN75404ND	2	700m	35	OC	1.0	500m	NOR	A	65n	TTL	2.0	.80	0.0	5.0	425m	0	70	AD43	D14-6	
71	UHC060	2	1.0	50	OC	1.5	750m	INV	D	150n†	TTL			0.0	50	500u	0	70	AD29	CN1	
72	UHD060	2	1.0	50	OC	1.5	750m	INV	D	150n†	TTL			0.0	50	500u	0	70	AD29a	D14-3	
73	UHP060	2	1.0	50																	

6. DISPLAY DRIVERS

IN ORDER OF: (1) FUNCTIONAL CAPABILITY CODE
(2) READOUT (3) No. OUTPUT LINES & (4) TYPE No.

LINE No.	TYPE NUMBER	1 FUNCT		2 READOUT		3 OUTPUT CAPABILITY				MAX. PROP. DELAY tpd (s)	T E C H N	INPUT LOGIC LEVEL		RATED PWR. SUPPLY SPAN		MAX. OPERATE PWR. DISS. (W)	OPER. TEMP.		DRAWINGS		
		A-DRIVER	B-DECODER	C-LCD	L-LED	OUTP	CONN	No.	MIN. SINK CURRENT @ V _o			ABS. MAX. VOLT.	HIGH (min)	LOW (max)	NEG. (V)		POS. (V)	(-)	(+)	LOGIC DWG. No.	OUTLINE DWG. No.
		D-COUNT	C-LATCH	L-GAS	L-INC	ECT	ECT	LINES	(A)			(V)	(V)	(V)	(V)		(V)	(°C)	(°C)		$\Delta = MO$
1	CD4054BK	A	A	L	C	DC	4	3.4m	1.5	20	500n	CMS	11	4.0	0.0	15	500m	55	125	AE67	Δ004AG
2	CD4054BY	A	A	L	C	DC	4	3.0m	1.5	20	500n	CMS	14.9	0.05	0.0	15	500m	40	85	AE67	Δ001AC
3	DS7887J	A	A	L	C	EC	4	16m	-1.4	65	5.0u	TTL	-2.0	-5.5	60	240m	55	125	AE59	D18-13	
4	SW729-1F	A	A	L	C	OC	2	100m	.80	8.0		DTL	1.8†	1.2†	0.0	5.0	100m	55	125	AE74	F14-4b
5	SW729-1P	A	A	L	C	OC	2	100m	.80	8.0		DTL	1.8†	1.2†	0.0	5.0	100m	55	125	AE74	D14-1d
6	SW729-1S	A	A	L	C	OC	2	100m	.80	8.0		DTL	1.8†	1.2†	0.0	5.0	100m	55	125	AE74	CN‡
7	SW729-1T	A	A	L	C	OC	2	100m	.80	8.0		DTL	1.8†	1.2†	0.0	5.0	100m	55	125	AE74	CN‡
8	SW729-2F	A	A	L	C	OC	2	100m	.80	8.0		DTL	1.8†	1.2†	0.0	5.0	100m	0	75	AE74	F14-4b
9	SW729-2P	A	A	L	C	OC	2	100m	.80	8.0		DTL	1.8†	1.2†	0.0	5.0	100m	0	75	AE74	D14-1d
10	SW729-2S	A	A	L	C	OC	2	100m	.80	8.0		DTL	1.8†	1.2†	0.0	5.0	100m	0	75	AE74	CN‡
11	SW729-2T	A	A	L	C	OC	2	100m	.80	8.0		DTL	1.8†	1.2†	0.0	5.0	100m	0	75	AE74	CN‡
12	BD5030	A	A	L	C	OC	4	70m	.40	5.0	10u	RTL	1.0	20	0.0	3.0	3.0u	0	70	AE75	CH8ad
13	DS8650	A	A	L	C	OC	4	70m	.40	5.0	10u	RTL	1.8	50	0.0	3.0	21m	0	70	AE76	CH8ad
14	DS8650	A	A	L	C	OC	4	63m	.55	5.0		TTL			0.0	2.9		5	70	AE42	CH3
15	DS8650N	A	A	L	C	OC	4	63m	.55	5.0		TTL			0.0	2.9		5	70	AE42	D10-1
16	ITT491-5N	A	A	L	C	EC	4	50m	1.2	10	100nt	RTL	8.5†	.70†	0.0	10	800m	0	70	AE93	D14-1c
17	ITT501-5N	A	A	L	C	EC	4	50m	2.7	18		RTL	8.5†	.70†	0.0	15	800m	0	50	AE28a	D14-1c
18	ITT492-5N	A	A	L	C	OC	6	250m	1.2	10	600nt	RTL	6.5†	.50†	0.0	7.5	800m	0	70	AE94	D14-1c
19	ITT500-5N	A	A	L	C	OC	6	250m	1.2	18		RTL	3.0†	.40†	0.0	18	800m	0	50	AE94	D14-1c
20	9368DM	A	A	L	C	OC	7	20m		1.7		TTL	2.0	.80	0.0	5.0	320m	55	125	AE167	D16-7g
21	DS8651	A	A	L	C	OC	7	6.5m				TTL			0.0	2.7		5	70	AE43	CH4
22	DS8651N	A	A	L	C	OC	7	6.5m				TTL			0.0	2.7		5	70	AE43	D18-4
23	DS8844N	A	A	L	C	OC	7	50m	1.5	8.0		TTL	4.5	.40	0.0	9.5	12m	0	75	AE47	D16-16
24	DS8866N	A	A	L	C	OC	7	50m	1.5	8.0		TTL	4.5	.40	0.0	9.5	12m	0	75	AE51	D18-4
25	ITT546A-5N	A	A	L	C	OC	7	40m	.55	10	5.0u	RTL	9.8Δ	.55†	0.0	10	200m	0	70	AE91	D16-2c
26	DS8865N	A	A	L	C	OC	8	50m	1.5	8.0		TTL	4.5	.40	0.0	9.5	12m	0	75	AE50	D18-4
27	ITT508-5N	A	A	L	C	OC	8	40m	.45	10	5.0u	RTL	10Δ	.45†	0.0	10	100m	0	70	AE90	D18-1e
28	ITT509-5N	A	A	L	C	EC	8	3.0m	2.0	10	5.0u	RTL	10Δ	2.0†	0.0	10		0	70	AE90b	D14-1c
29	ITT514-5N	A	A	L	C	OC	8	40m	.45	10	5.0u	RTL	10Δ	.45†	0.0	10	120m	0	70	AE90a	D18-1e
30	DS8855N	A	A	L	C	OC	9	50m	1.5	8.0		TTL	4.5	.40	0.0	9.5	12m	0	75	AE48	D22-1
31	DS8864N	A	A	L	C	OC	9	50m	1.5	8.0		TTL	4.5	.40	0.0	9.5	12m	0	75	AE49	D22-1
32	DS8876N	A	A	L	C	OC	9	50m	.50	10		TTL	3.0	.80	0.0	9.5	85m	0	70	AE55	D14-11
33	DS8879J	A	A	L	C	OC	9	50m	.50	10		TTL	3.0	.80	0.0	9.5	85m	0	70	AE55	D14-4b
34	DS8879N	A	A	L	C	OC	9	50m	.50	10		RTL	3.0	.80	0.0	9.5	85m	0	70	AE55	D14-11
35	ITT548-5N	A	A	L	C	OC	9	60m	.30	15	5.0u	RTL	5.0†	.30†	0.0	10	70m	0	70	AE92	
36	ITT558-5N	A	A	L	C	OC	9	40m		10		RTL			0.0			0	70		
37	ITT74145J	AB	AB	L	C	OC	10	80m		15	50n	TTL	2.0	.80	0.0	5.0	350m	0	70	AE26	D16-2d
38	ITT74145N	AB	AB	L	C	OC	10	80m		15	50n	TTL	2.0	.80	0.0	5.0	350m	0	70	AE26	D16-2c
39	CD4055BK	AB	AB	L	C	DC	7	3.4m	1.5	20	750n	CMS	11	4.0	0.0	15	500m	55	125	AE70	Δ004AG
40	CD4055BY	AB	AB	L	C	DC	7	3.0m	1.5	20	750n	CMS	14.9	0.05	0.0	15	500m	40	85	AE70	Δ001AC
41	CD4056BY	AB	AB	L	C	DC	7	3.0m	1.5	20	750n	CMS	14.9	0.05	0.0	15	500m	40	85	AE71	Δ001AC
42	UCN4102A	AB	AB	L	C	CLGI	AH	7	500u	1.0	20	CMS	11	4.0	0.0	15		0	70	AE117a	D16-1
43	DM8880B	AB	AB	L	C	OC	7	5.0m	.40	110	10u	TTL	2.0	.80	0.0	5.0	600m	0	70	AE8	D16-2a
44	DS7885J	AB	AB	L	C	OC	7			80	10u	TTL	2.0	.80	0.0	5.0	155m	55	125	AE58	D16-7d
45#	MIC5441AJ	AB	AB	L	C	AL	10	7.0m	2.4	70		TTL	2.0	.80	0.0	5.0	210m	55	125	AE40	D16-7n
46#	MIC7441AJ	AB	AB	L	C	AL	10	7.0m	2.4	70		TTL	2.0	.80	0.0	5.0	210m	0	75	AE40	D16-7n
47#	MIC7441AN	AB	AB	L	C	AL	10	7.0m	2.4	70		TTL	2.0	.80	0.0	5.0	210m	0	75	AE40	D16-27b
48#	MIC54141J	AB	AB	L	C	OC	10	7.0m	.40	15		TTL	2.0	.80	0.0	5.0	80m†	55	125	AE23b	D16-2f
49#	MIC74141J	AB	AB	L	C	OC	10	7.0m	.40	15		TTL	2.0	.80	0.0	5.0	80m†	0	75	AE23b	D16-2f
50#	MIC74141N	AB	AB	L	C	OC	10	7.0m	.40	15		TTL	2.0	.80	0.0	5.0	80m†	0	75	AE23b	D16-2f
51#	SFC445E	AB	AB	L	C	OC	10	20m	.40	30	50n	TTL	2.0	.80	0.0	5.0	310m	0	70	AE26	D16-13a
52#	SFC445ET	AB	AB	L	C	OC	10	20m	.40	30	50n	TTL	2.0	.80	0.0	5.0	310m	25	85	AE26	D16-13a
53#	SFC4141E	AB	AB	L	C	OC	10	7.0m	2.5	60		TTL	2.0	.80	0.0	5.0	125m	0	70	AE23	D16-13a
54#	SFC4145E	AB	AB	L	C	OC	10	20m	.40	15	50n	TTL	2.0	.80	0.0	5.0	350m	0	70	AE26	D16-13a
55#	SFC4145ET	AB	AB	L	C	OC	10	20m	.40	15	50n	TTL	2.0	.80	0.0	5.0	350m	25	85	AE26	D16-13a
56#	MIC5446AJ	AB	AB	L	C	OC	7	40m	.40	30	100n	TTL	2.0	.80	0.0	5.0	425m	55	125	AE20	D16-7n
57#	MIC5446J	AB	AB	L	C	OC	7	20m	.40	30	100n	TTL	2.0	.80	0.0	5.0	380m	55	125	AE20	D16-7n
58#	MIC5447AJ	AB	AB	L	C	OC	7	40m	.40	15	100n	TTL	2.0	.80	0.0	5.0	425m	55	125	AE20	D16-7n
59#	MIC5447J	AB	AB	L	C	OC	7	20m	.40	15	100n	TTL	2.0	.80	0.0	5.0	380m	55	125	AE20	D16-7n
60#	MIC5448J	AB	AB	L	C	OC	7	6.4m	.40	5.5	100n	TTL	2.0	.80	0.0	5.0	380m	55	125	AE21	D16-7n
61#	MIC7446AJ	AB	AB	L	C	OC	7	40m	.40	30	100n	TTL	2.0	.80	0.0	5.0	515m	0	75	AE20	D16-7n
62#	MIC7446AN	AB	AB	L	C	OC	7	40m	.40	30	100n	TTL	2.0	.80	0.0	5.0	515m	0	75	AE20	D16-27b
63#	MIC7446J	AB	AB	L	C	OC	7	20m	.40	30	100n	TTL	2.0	.80	0.0	5.0	450m	0	75	AE20	D16-7n
64#	MIC7446N	AB	AB	L	C	OC	7	20m	.40	30	100n	TTL	2.0	.80	0.0	5.0	450m	0	75	AE20	D16-27b
65#	MIC7447AJ	AB	AB	L	C	OC	7	40m	.40	15	100n	TTL	2.0	.80	0.0	5.0	515m	0	75	AE20	D16-7n
66#	MIC7447AN	AB	AB	L	C	OC	7	40m	.40	15	100n	TTL	2.0	.80	0.0	5.0	515m	0	75	AE20	D16-27b
67#	MIC7447J	AB	AB	L	C	OC	7	20m	.40	15	100n	TTL	2.0	.80	0.0	5.0	450m	0	75	AE20	D16-7n
68#	MIC7447N	AB	AB	L	C	OC	7	20m	.40	15	100n	TTL	2.0	.80	0.0	5.0	450m	0	75	AE20	D16-27b
69#	MIC7448J	AB	AB	L	C	OC	7	6.4m	.40	5.5	100n	TTL	2.0	.80	0.0	5.0	450m	0	75	AE21	D16-7n
70#	MIC7448N	AB	AB	L	C	OC	7	6.4m	.40	5.5	100n	TTL	2.0	.80	0.0	5.0	450m	0	75	AE21	D16-27b
71#	uPB7446C	AB	AB	L	C	OC	7	8.0m	.40	30	100n	TTL	2.0	.80	0.0	5.0	515m	0	70	AE20	Δ001AC
72	54LS145DM	AB	AB	L	C	OC	10	12m	.40	10	50n	TTL	2.0	.70	0.0	5.0	65m	55	125	AE26	D16-7f
73	54LS145FM	AB	AB	L	C																

7. SWITCH DRIVERS

IN ORDER OF: (1)NO. OF SWITCH CHANNELS
(2)MIN. I(SINK) (3)ABS.MAX.VOLT.&(4)TYPE No.

LINE No.	4 TYPE NUMBER	1 No. OF SW. CHAN	OUTPUT			MAX. INPUT DRIVE CURR. (A)	MAX. tON (s)	MAX. tOFF (s)	FEATURES	T E C H N	INPUT LOGIC LEVEL		RATED SUPPLY PWR. SPAN		MAX. OPERATE PWR. DISS. (W)	OPER. TEMP.		DRAWINGS	
			2 MIN. SINK CURR. (A)	5.0 @ Vo (V)	3 ABS. MAX. VOLT. (V)						HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)		(-) (°C)	(+) (°C)	LOGIC DWG. No.	OUTLINE DWG. No. Δ-MO
1	ATF456	1	7.0m	5.0	5.0	4.5m	7.0n	7.0n	MW PIN	HYB	2.4	.80	12	5.0	450m	55	125	AF9	F14-2b
2	D139BL	2	2.0m	1.5	30	500u	170n	200n			5.0†	0.0†	20	10	750m	20	85	AF16	F14-4a
3	D130BL	2	30m		30	1.0m	300n	300n			2.0	.80	20	10	750m	20	85	AF14a	F14-4a
4#	SP751AF	3	10m		7.0		30n	35n		TTL	-2.7	-.80	0.0	30	160m	0	70	AF22	F10-1
5#	SP751BF	3	10m		7.0		30n	35n		TTL	-2.7	-.80	0.0	20	80m	0	70	AF22	F10-1
6#	SP701BT	3	10m		20		30n	35n		TTL	-2.7	-.80	0.0	20	80m	0	70	AF21	CN8
7#	SP703AF	3	10m		30		30n	35n		TTL	-2.7	-.80	0.0	30	135m	0	70	AF4	F14-6
8#	SP703BF	3	10m		30		30n	35n		TTL	-2.7	-.80	0.0	20	55m	0	70	AF4	F14-6
9#	SP704AF	3	10m		30	1.0m	30n	35n		TTL	-2.7	-.80	0.0	30	135m	0	70	AF5	F14-6
10#	SP704BE	3	10m		30	1.0m	30n	35n		TTL	-2.7	-.80	0.0	20	55m	0	70	AF5	D14-12
11#	SP704BF	3	10m		30	1.0m	30n	35n		TTL	-2.7	-.80	0.0	20	55m	0	70	AF5	F14-6
12	D129BL	4	10m	-19	50	200u	300n	1.5u	Decoder		5.0†	.70†	20	0.0	750m	20	85	AF13	F14-4a
13	D132AL	4	10m	.70	50	200u	250n	1.5u	Decoder		2.2	.70	0.0	5.0	750m	55	125	AF15	F14-4a
14	D132AP	4	10m	.70	50	200u	250n	1.5u	Decoder		2.2	.70	0.0	5.0	825m	55	125	AF15a	D14-2a
15	D132BL	4	10m	.70	50	200u	250n	1.5u	Decoder		2.2	.70	0.0	5.0	750m	20	85	AF15	F14-4a
16	D132BP	4	10m	.70	50	200u	250n	1.5u	Decoder		2.2	.70	0.0	5.0	825m	20	85	AF15a	D14-2a
17	D123BL	6	5.0m	-19	30	1.0m	500n	1.5u		TTL	1.0†	.40†	20	0.0	750m	20	85	AF6	F14-4a
18	D125BL	6	5.0m	-19	30	700u	500n	1.5u		TTL	4.6†	.50†	20	0.0	750m	20	85	AF1	F14-4a

INTERFACE

10. A/D CONVERTERS

IN ORDER OF: (1)RESOLUTION (2)MAX.LIN. ERROR
(3)MAX.CONVERSION TIME & (4)TYPE NUMBER

INTERFACE

LINE No.	TYPE NUMBER	RESOLUTION bits	TYPE OF CONVERTER	OUTPUT ARITH. CODE OPTIONS	MAX. GAIN			INPUT RANGE		MIN. OUTPUT DRIVE CURR. (A)	OUTPUT LEVEL		RATED SUPPLY SPAN		MAX. OPERATE. PWR. DISS. (W)	OPER. TEMP.		DRAWINGS	
					FSR LINEAR ERROR (%)	MAX. CONV. TIME (s)	TEMP. DRIFT (ppm/°C)	MAX. P-P V-VOLT A-AMP	HIGH (min) (V)		LOW (max) (V)	NEG. (V)	POS. (V)	(-) (°C)		(+) (°C)	LOGIC DWG. No.	OUTLINE DWG. No. Δ=MO	
1	NADC-1	4		A	3.0mS	65nT	500u	5.0	VU			15	15	7.0	55	85			
2	NADC-3	4		A	3.0mS	65nT	500u	5.0	VU			15	15	7.0	55	70			
3	ADC-H4B1A	4	S	A	3.0	100n	20	5.0	VU	6T	2.4	.40	15	15	3.3	0	70	BA24	MD27
4	ADC-H4B2A	4	S	A	3.0	100n	20	10	VU	6T	2.4	.40	15	15	3.3	0	70	BA24	MD27
5	ADC-H4B3B	4	S	A	3.0	100n	20	10	VB	6T	2.4	.40	15	15	3.3	0	70	BA24	MD27
6	ADC-H4B3C	4	S	G	3.0	100n	20	10	VB	6T	2.4	.40	15	15	3.3	0	70	BA24	MD27
7	ADC-H4B4B	4	S	C	3.0	100n	20	20	VB	6T	2.4	.40	15	15	3.3	0	70	BA24	MD27
8	ADC-H4B4C	4	S	G	3.0	100n	20	20	VB	6T	2.4	.40	15	15	3.3	0	70	BA24	MD27
9	ADC-VH4B2	4	S	C	3.0	100n	50	2.5	VB	4T	2.4	.40	15	15	5.5	0	70	BA27	MD32a
10	ADC-VH4B	4	S	B	3.0	100n	50	2.5	VU	4T	2.4	.40	15	15	5.5	0	70	BA27	MD32a
11	ADC-H6B1A	6	S	A	750m	100n	20	5.0	VU	6T	2.4	.40	15	15	3.3	0	70	BA24	MD27
12	ADC-H6B2A	6	S	A	750m	100n	20	10	VU	6T	2.4	.40	15	15	3.3	0	70	BA24	MD27
13	ADC-H6B3B	6	S	C	750m	100n	20	10	VB	6T	2.4	.40	15	15	3.3	0	70	BA24	MD27
14	ADC-H6B3C	6	S	G	750m	100n	20	10	VB	6T	2.4	.40	15	15	3.3	0	70	BA24	MD27
15	ADC-H6B4B	6	S	C	750m	100n	20	20	VB	6T	2.4	.40	15	15	3.3	0	70	BA24	MD27
16	ADC-H6B4C	6	S	G	750m	100n	20	20	VB	6T	2.4	.40	15	15	3.3	0	70	BA24	MD27
17	ADC-UH6B2	6	T	C	750m	100n	50	2.5	VB	4T	2.4	.40	15	15	9.0	0	70	BA26a	MD32b
18	ADC-UH6B	6	T	B	750m	100n	50	2.5	VU	4T	2.4	.40	15	15	9.0	0	70	BA26a	MD32b
19	ADC-VH6B2	6	T	C	750m	200n	50	2.5	VB	4T	2.4	.40	15	15	9.0	0	70	BA26a	MD32b
20	ADC-VH6B	6	T	B	750m	200n	50	2.5	VU	4T	2.4	.40	15	15	9.0	0	70	BA26a	MD32b
21	ADC-ER9B	8	D	H	20mS	90m	5.0	2.0	VB	1T	2.4	.40	0.0	5.0	1.2	0	70	BA121	MD9p
22	VADC-A	8		A	200mS			5.0	VU				15	15	20	0	50	BA105	PC9
23	VADC-B	8		A	200mS			5.0	VB				15	15	20	0	50	BA105	PC9
24	ADC-TV8B	8	T	AC	200m	50n	60	10	VB		-0.85	-1.5	15	15	15	0	70		PCZ
25	ADC-TV8B14	8	T	A	200m	65n	60	1.0	VU	20E			15	15	16	0	70	BA120	MD191
26	ADC-TV8B15	8	T	A	200m	65n	60	2.0	VU	20E			15	15	16	0	70	BA120	MD191
27	ADC-TV8B16	8	T	A	200m	65n	60	5.0	VU	20E			15	15	16	0	70	BA120	MD191
28	A8503	8	S	AC	200m	65n	50	2.0	VBU				15	15	15	0	60		MDZ
29	ADC-TV8B24	8	T	A	200m	75n	60	1.0	VU	10T	2.4	.40	15	15	16	0	70	BA120	MD191
30	ADC-TV8B26	8	T	A	200m	75n	60	5.0	VU	10T	2.4	.40	15	15	16	0	70	BA120	MD191
31	ADC-H8B1A	8	S	A	200m	100n	20	5.0	VU	6T	2.4	.40	15	15	3.3	0	70	BA24	MD27
32	ADC-H8B2A	8	S	A	200m	100n	20	10	VU	6T	2.4	.40	15	15	3.3	0	70	BA24	MD27
33	ADC-H8B3B	8	S	C	200m	100n	20	10	VB	6T	2.4	.40	15	15	3.3	0	70	BA24	MD27
34	ADC-H8B3C	8	S	G	200m	100n	20	10	VB	6T	2.4	.40	15	15	3.3	0	70	BA24	MD27
35	ADC-H8B4B	8	S	C	200m	100n	20	20	VB	6T	2.4	.40	15	15	3.3	0	70	BA24	MD27
36	ADC-H8B4C	8	S	G	200m	100n	20	20	VB	6T	2.4	.40	15	15	3.3	0	70	BA24	MD27
37	ADC-P8B3B	8	S	C	200m	250n	20	10	VB	6T	2.4	.40	15	15	3.3	0	70	BA24	MD27
38	ADC-P8B3C	8	S	G	200m	250n	20	10	VB	6T	2.4	.40	15	15	3.3	0	70	BA24	MD27
39	ADC-P8B4B	8	S	C	200m	250n	20	20	VB	6T	2.4	.40	15	15	3.3	0	70	BA24	MD27
40	ADC-P8B4C	8	S	G	200m	250n	20	20	VB	6T	2.4	.40	15	15	3.3	0	70	BA24	MD27
41	MAS-0801-P-3-C2SC	8	S	M	200m	1.0u	5.0	10	VB	4T	5.5	.40	15.5	15.5		0	70	BA159	MD255
42	MAS-0801-P-4-C0B	8	S	D	200m	1.0u	5.0	20	VB	4T	5.5	.40	15.5	15.5		0	70	BA159	MD255
43	MAS-0801-P-4-C2SC	8	S	M	200m	1.0u	5.0	20	VB	4T	5.5	.40	15.5	15.5		0	70	BA159	MD255
44	MAS-0801-P-5-C2SC	8	S	M	200m	1.0u	5.0	2.0	VB	4T	5.5	.40	15.5	15.5		0	70	BA159	MD255
45	ADC-M8B1A1	8	S	A	200m	4.0u	10	5.0	VU	6T	2.4	.80	15	15	2.7	0	70	BA22a	MD30
46	ADC-M8B1B1	8	S	A	200m	4.0u	10	10	VU	6T	2.4	.80	15	15	2.7	0	70	BA22a	MD30
47	ADC-M8B1C3	8	S	C	200m	4.0u	10	10	VB	6T	2.4	.80	15	15	2.7	0	70	BA22a	MD30
48	ADC-M8B1C4	8	S	G	200m	4.0u	10	10	VB	6T	2.4	.80	15	15	2.7	0	70	BA22a	MD30
49	ADC-M8B1D3	8	S	C	200m	4.0u	10	20	VB	6T	2.4	.80	15	15	2.7	0	70	BA22a	MD30
50	ADC-M8B1D4	8	S	G	200m	4.0u	10	20	VB	6T	2.4	.80	15	15	2.7	0	70	BA22a	MD30
51	ADC-M8B2A1	8	S	A	200m	4.0u	10	5.0	VU	6T	2.4	.80	15	15	2.5	0	70	BA22	MD30
52	ADC-M8B2B1	8	S	A	200m	4.0u	10	10	VU	6T	2.4	.80	15	15	2.5	0	70	BA22	MD30
53	ADC-M8B2C3	8	S	C	200m	4.0u	10	10	VB	6T	2.4	.80	15	15	2.5	0	70	BA22	MD30
54	ADC-M8B2C4	8	S	G	200m	4.0u	10	10	VB	6T	2.4	.80	15	15	2.5	0	70	BA22	MD30
55	ADC-M8B2D3	8	S	C	200m	4.0u	10	20	VB	6T	2.4	.80	15	15	2.5	0	70	BA22	MD30
56	ADC-M8B2D4	8	S	G	200m	4.0u	10	20	VB	6T	2.4	.80	15	15	2.5	0	70	BA22	MD30
57	ADC-H8-1	8		ACG\$	200m	6.4uT	5.0	10	VBU	T			15	15	2.6	55	85	BA97	MD9x
58	ADC-H8-3	8		ACG\$	200m	6.4uT	5.0	10	VBU	T			15	15	2.6	0	70	BA97	MD9x
59	ADC541-8	8	S	ACG	200m	10u	40	20	VB	3T	2.4	.40	15	15	800m	0	70	BA113	MD11e
60	ADC30-08N-USB	8	S	A	200m	20u	40	10	VU		2.4	.40	15	15	2.3	0	70	BA1	MD8
61	ADC30-08Z-USB	8	S	AK	200m	20u	40	10	VU		2.4	.40	15	15	2.3	0	70	BA1	MD8
62	ADC40-08-BIN	8	S	ACGK	200m	20u	10	20	VB		2.4	.40	15	15	2.5	0	70	BA71	MD9
63	ADC-D8B	8	S	ACG	200m	50u	50	10	VBU	6T	2.4	.40	15	15	2.5	0	70	BA14	MD27
64	ADC-K8B	8	S	ACG	200m	50u	30	10	VBU	6T	2.4	.40	15	15	2.5	0	70	BA14	MD27
65	ADC-89A8B-EX	8	S	A	200m	200u	50	10	VBU	6T	2.4	.80	15	15	1.0	25	85	BA11	MD25
66	ADC-CM8B2	8	S	G	200m	350uT	30	20	VBU	2T	2.4	.40	15	15	100mT	0	70	BA13	MD26
67	ADC-CM8B2-EX	8	S	G	200m	350u	30	20	VBU	2T	2.4	.40	15	15	100mT	25	85	BA13	MD26
68	ADC-CM8B	8	S	AC	200m	350uT	30	20	VBU	2T	2.4	.40	15	15	100mT	0	70	BA13	MD26
69	ADC-CM8B-EX	8	S	AC	200m	350u	30	20	VBU	6T	2.4	.40	15	15	100mT	25	85	BA13	MD26
70	ADC586-8	8	S	A	200m	1.8m	40	10	VU		2.4	.40	5.0	5.0	30mT	40	85	BA78	D24-1
71	ADC-VH8B2	8	T	C	400m	200n	50	2.5	VB	4T	2.4	.40	15	15	9.0	0	70	BA26	MD32b
72	ADC-VH8B	8	T	B	400m	200n	50	2.5	VU	4T	2.4	.40	15	15	9.0	0	70	BA26	MD32b
73	ADC30-08N-BTC	8	S	CG	400m	20u	60	20	VB		2.4	.40	15	15	2.3	0	70	BA1	MD8
74	ADC30-08Z-BTC	8	S	CGK	400m	20u	60	20	VB		2.4	.40	15	15	2.3	0	70	BA1	MD8
75	ADC50-08-BIN	8	S	ACGK	400m	20u	15	5.0	VBU		2.4	.40	15	15	2.5	0	70	BA2	MD9
76	A853-8	8	S	CG	500m	66n		2.0	VB		-0.30	.30	15	15	15	0	70		MDZ
77	ADC-M8D1A2	8	S	E	500m	4.0u	10	5.0	VU	6T	2.4	.80	15	15	2.7	0	70	BA22a	MD30
78	ADC-M8D1B2	8	S	E	500m	4.0u	10	10	VU	6T	2.4	.80	15	15	2.7	0	70	BA22a	MD30
79	ADC-M8D2A2	8	S	E	500m	4.0u	10	5.0	VU	6T	2.4	.80	15	15	2.5	0	70	BA22	MD30
80	ADC-M8D2B2	8	S</																

10. A/D CONVERTERS

IN ORDER OF: (1)RESOLUTION (2)MAX.LIN. ERROR (3)MAX.CONVERSION TIME & (4)TYPE NUMBER

LINE No.	4	TYPE NUMBER	1	RESOLUTION bits	TYPE OF CONV. ERROR	OUTPUT ARITH. CODE OPTIONS	2	MAX. LINEAR ERROR (%)	3	MAX. CONV. TIME (s)	TEMP. DRIFT (ppm/°C)	MAX. INPUT P-P (V)	V-VOLT A-AMP	MIN. OUTPUT DRIVE CURR. (A)	OUTPUT LEVEL		LOGIC LEVEL		RATED PWR. SUPPLY SPAN		MAX. OPERATE PWR. DISS. (W)	OPER. TEMP.		DRAWINGS	
															HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)	(-) (°C)	(+) (°C)		LOGIC DWG. No.	OUTLINE DWG. No. Δ=MO		
1		ADC-N12B4B		10	S	C		50m	400n	20	20	VB	6T	2.4	.40	15	15	3.3	0	0	70	BA24	MD27a		
2		ADC-N12B4C		10	S	G		50m	400n	20	20	VB	6T	2.4	.40	15	15	3.3	0	0	70	BA24	MD27a		
3		A85-1-10		10	S	D		50m	1.5u	10	20	VB	2T	2.4	.40	15	15	1.7	0	25	70	BA38	MD9r		
4		MAS1001-3-COB		10	S	D		50m	1.5u	20	10	VB	4T	5.5	.40	15.5	15.5	2.6	0	0	70	BA159	MD255		
5		ADC-H10-1		10	S	ACG§		50m	8.0u†	5.0	20	VBU	T			15	15	2.6	55	70	85	BA97	MD9x		
6		ADC-H10-3		10	S	ACG§		50m	8.0u†	5.0	20	VBU	T			15	15	2.6	0	0	70	BA97	MD9x		
7		ADC-M10B1A1		10	S	A		50m	11u	10	5.0	VU	6T	2.4	.80	15	15	2.7	0	0	70	BA22a	MD27d		
8		ADC-M10B1B1		10	S	A		50m	11u	10	10	VU	6T	2.4	.80	15	15	2.7	0	0	70	BA22a	MD27d		
9		ADC-M10B1C3		10	S	A		50m	11u	10	10	VU	6T	2.4	.80	15	15	2.7	0	0	70	BA22a	MD27d		
10		ADC-M10B1C4		10	S	G		50m	11u	10	10	VB	6T	2.4	.80	15	15	2.7	0	0	70	BA22a	MD27d		
11		ADC-M10B1D3		10	S	C		50m	11u	10	20	VB	6T	2.4	.80	15	15	2.7	0	0	70	BA22a	MD27d		
12		ADC-M10B1D4		10	S	G		50m	11u	10	20	VB	6T	2.4	.80	15	15	2.7	0	0	70	BA22a	MD27d		
13		ADC-M10B2A1		10	S	A		50m	11u	10	5.0	VU	6T	2.4	.80	15	15	2.5	0	0	70	BA22	MD27d		
14		ADC-M10B2B1		10	S	A		50m	11u	10	10	VU	6T	2.4	.80	15	15	2.5	0	0	70	BA22	MD27d		
15		ADC-M10B2C3		10	S	A		50m	11u	10	10	VU	6T	2.4	.80	15	15	2.5	0	0	70	BA22	MD27d		
16		ADC-M10B2C4		10	S	G		50m	11u	10	10	VB	6T	2.4	.80	15	15	2.5	0	0	70	BA22	MD27d		
17		ADC-M10B2D3		10	S	C		50m	11u	10	20	VB	6T	2.4	.80	15	15	2.5	0	0	70	BA22	MD27d		
18		ADC-M10B2D4		10	S	G		50m	11u	10	20	VB	6T	2.4	.80	15	15	2.5	0	0	70	BA22	MD27d		
19		ADC-MA10B1B		10	S	ACG		50m	20u	30	20	VBU	5T	2.4	.40	15	15	2.2	0	0	70	BA23a	MD9h		
20#		ZN432CE		10	S	C		50m	20u	10	5.0	VB	1.6m	2.4	.40	5.0	5.0	400m	0	0	70	BA75	DLZ		
21		ADC60AG-10		10	S	BD		50m	21u	30	20	VB	2T	2.4	.40	15	15	950m†	0	0	70	BA5	MD57c		
22		ADC30-10N-USB		10	S	AK		50m	30u	20	10	VU	2T	2.4	.40	15	15	2.5	0	0	70	BA1	MD8		
23		ADC30-10Z-USB		10	S	AK		50m	30u	20	10	VU	2T	2.4	.40	15	15	2.5	0	0	70	BA1	MD8		
24		ADC-MA10B1A		10	S	ACG		50m	40u	30	20	VBU	5T	2.4	.40	15	15	2.2	0	0	70	BA23a	MD9h		
25		ADC-D10B		10	S	ACG		50m	50u	50	10	VBU	6T	2.4	.40	15	15	2.5 †	0	0	70	BA14	MD27		
26		ADC-K10B		10	S	ACG		50m	50u	30	10	VBU	6T	2.4	.40	15	15	2.5 †	0	0	70	BA14	MD27		
27		180-710		10	S	ACG		50m	75u	20	20	VBU	6.4m	2.4	.40	15	15	1.3	25	85	85	BA35	MD64		
28		ADC-CM10B2		10	S	G		50m	350u†	30	20	VBU	2T	2.4	.40	15	15	100m†	0	0	70	BA13	MD26		
29		ADC-CM10B2-EX		10	S	G		50m	350u	30	20	VBU	2T	2.4	.40	15	15	100m†	25	85	70	BA13	MD26		
30		ADC-CM10B		10	S	AC		50m	350u†	30	20	VBU	2T	2.4	.40	15	15	100m†	0	0	70	BA13	MD26		
31		ADC-CM10B-EX		10	S	AC		50m	350u	30	20	VBU	2T	2.4	.40	15	15	100m†	25	85	70	BA13	MD26		
32		ADC586-10		10	S	A		50m	6.0m	40	10	VU	2T	2.4	.40	5.0	5.0	30m†	40	85	70	BA78a	D24-1		
33		ADC55-10-BIN		10	S	ACG		100m	8.0u	30	20	VBU	2T	2.4	.40	15	15	3.2	0	0	70	BA3	MD9a		
34		ADC30-10N-BTC		10	S	CG		100m	30u	30	20	VB	2T	2.4	.40	15	15	2.5	0	0	70	BA1	MD8		
35		ADC30-10Z-BTC		10	S	CGK		100m	30u	30	20	VB	2T	2.4	.40	15	15	2.5	0	0	70	BA1	MD8		
36		ADC50-10-BIN		10	S	ACGK		100m	30u	15	10	VB	2T	2.4	.40	15	15	2.5	0	0	70	BA2	MD9		
37		ADC-P8B1A		10	S	A		200m	250n	20	5.0	VU	6T	2.4	.40	15	15	3.3	0	0	70	BA24	MD27		
38		ADC-P8B2A		10	S	A		200m	250n	20	10	VU	6T	2.4	.40	15	15	3.3	0	0	70	BA24	MD27		
39		HADC-11-1		11	S	GN		25m§	11u†	15	20	VB	5T			15	15	2.7	55	70	85	BA42	MD92		
40		HADC-11-3		11	S	GN		25m§	11u†	15	20	VB	5T			15	15	2.7	55	70	85	BA42	MD92		
41		MADC-11-1		11	S	GN		25m§	22u†	25	20	VB	5T			15	15	2.7	55	70	85	BA42	MD92		
42		MADC-11-3		11	S	GN		25m§	22u†	25	20	VB	5T			15	15	2.7	55	70	85	BA42	MD92		
43		HADC-10-1		11	S	GN		50m§	11u†	25	20	VB	5T			15	15	2.7	55	70	85	BA42	MD92		
44		HADC-10-3		11	S	GN		50m§	11u†	25	20	VB	5T			15	15	2.7	55	70	85	BA42	MD92		
45		MADC-10-1		11	S	GN		50m§	22u†	50	20	VB	5T			15	15	2.7	55	70	85	BA42	MD92		
46		MADC-10-3		11	S	GN		50m§	22u†	50	20	VB	5T			15	15	2.7	55	70	85	BA42	MD92		
47		HADC-9-1		11	S	GN		100m§	11u†	50	20	VB	5T			15	15	2.7	55	70	85	BA42	MD92		
48		HADC-9-3		11	S	GN		100m§	11u†	50	20	VB	5T			15	15	2.7	55	70	85	BA42	MD92		
49		876-B5-D1		11	S	C		100m§	12u	10	10	VB	8.0m	2.4	.40	15	15	1.4	55	125	70	BA10	MD20		
50		876-B10-D1		11	S	C		100m§	12u	10	20	VB	8.0m	2.4	.40	15	15	1.4	55	125	70	BA10	MD20		
51		876-U5-D1		11	S	C		100m§	12u	10	5.0	VU	8.0m	2.0	.80	15	15	1.4	55	125	70	BA10	MD20		
52		876-U10-D1		11	S	C		100m§	12u	10	10	VU	8.0m	2.4	.40	15	15	1.4	55	125	70	BA10	MD20		
53		MADC-9-1		11	S	GN		100m§	22u†	75	20	VB	5T			15	15	2.7	55	70	85	BA42	MD92		
54		MADC-9-3		11	S	GN		100m§	22u†	75	20	VB	5T			15	15	2.7	55	70	85	BA42	MD92		
55		876-B5-D2		11	S	C		150m§	12u	10	10	VB	8.0m	2.0	.80	15	15	1.4	55	125	70	BA10	MD20		
56		876-B10-D2		11	S	C		150m§	12u	10	20	VB	8.0m	2.0	.80	15	15	1.4	55	125	70	BA10	MD20		
57		876-U5-D2		11	S	C		150m§	12u	10	5.0	VU	8.0m	2.0	.80	15	15	1.4	55	125	70	BA10	MD20		
58		876-U10-D2		11	S	C		150m§	12u	10	10	VU	8.0m	2.0	.80	15	15	1.4	55	125	70	BA10	MD20		
59		MADC-8-1		11	S	GN		200m§	22u†	100	20	VB	5T			15	15	2.7	55	70	85	BA42	MD92		
60		MADC-8-3		11	S	GN		200m§	22u†	100	20	VB	5T			15	15	2.7	55	70	85	BA42	MD92		
61		876-B5-D3		11	S	C		250m§	12u	10	10	VB	8.0m	2.0	.80	15	15	1.4	55	125	70	BA10	MD20		
62		876-B10-D3		11	S	C		250m§	12u	10	20	VB	8.0m	2.0	.80	15	15	1.4	55	125	70	BA10	MD20		
63		876-U5-D3		11	S	C		250m§	12u	10	5.0	VU	8.0m	2.0	.80	15	15	1.4	55	125	70	BA10	MD20		
64		876-U10-D3		11	S	C		250m§	12u	10	10	VU	8.0m	2.0	.80	15	15	1.4	55	125	70	BA10	MD20		
65		SDC172546 11		12	S	A							6T			15	15	1.4	55	105	70	BA70a	MD258		
66		SDC172556 12		12	S	A							6T			15	15	1.4	55	105	70	BA70a	MD258		
67		2808		12	S	ACG		12m	2.0u	20 †	5.0	VBU	8T	2.4	.50	15	15	2.8	0	0	70	BA70a	MD124c		
68		ADC-HF12BGC		12	S	AC		12m	2.0u	25	20	VB	5T	2.4	.40	15	15	2.8	0	0	70	BA70a	MD57		
69		ADC-HF12BMC		12	S	AC		12m	2.0u	25	20	VB	5T	2.4	.40	15	15	2.8	0	0	70	BA70a	MD10b		
70		ADC-HF12BMM		12	S	AC		12m	2.0u	25	20	VB	5T	2.											

10. A/D CONVERTERS

IN ORDER OF: (1)RESOLUTION (2)MAX.LIN. ERROR
(3)MAX.CONVERSION TIME & (4)TYPE NUMBER

LINE No.	TYPE NUMBER	RESOLUTION bits	TYPE OF CONVERTER	OUTPUT ARITH. CODE OPTIONS	MAX. GAIN			INPUT		MIN. OUTPUT DRIVE CURR. (A)	OUTPUT LEVEL		RATED SUPPLY SPAN		MAX. OPERATE		OPER. TEMP.		DRAWINGS	
					FSR LINEAR ERROR (%)	MAX. CONV. TIME (s)	TEMP. DRIFT (ppm/°C)	P-P V-VOLT A-AMP	HIGH (min) (V)		LOW (max) (V)	NEG. (V)	POS. (V)	PWR. (W)	PWR. DISS. (W)	(-) (°C)	(+) (°C)	LOGIC DWG. No.	OUTLINE DWG. No. Δ=MO	
1	ADC80AG-12	12	S	BD	12m	25u	30	20	VB	2T	2.4	.40	15	15	950m	0	70	BA5	MD57c	
2	ADC40-12-BCD	12	S	ACGK	12m	30u	10	20	VB	2T	2.4	.40	15	15	2.5	0	70	BA7	MD9	
3	ADC40-12-BIN	12	S	ACGK	12m	30u	7.0	20	VB	2T	2.4	.40	15	15	2.5	0	70	BA7	MD9	
4	ADC550-12-E-G-MIL	12	S	ACG	12m	30u	35	20	VB	4T	2.4	.40	15	15	1.9	55	125	BA76	MD137	
5	ADC550-12-E-MIL	12	S	ACG	12m	30u	35	10	VBU	4T	2.4	.40	15	15	1.9	55	125	BA76	MD137	
6	ADC550-12-LD-G-MIL	12	S	ACG	12m	30u	8.0	20	VB	4T	2.4	.40	15	15	1.9	55	125	BA76	MD137	
7	ADC550-12-LD-MIL	12	S	ACG	12m	30u	8.0	10	VBU	4T	2.4	.40	15	15	1.9	55	125	BA76	MD137	
8	ADC550-12-S-G-MIL	12	S	ACG	12m	30u	15	20	VB	4T	2.4	.40	15	15	1.9	55	125	BA76	MD137	
9	ADC550-12-S-MIL	12	S	ACG	12m	30u	15	10	VBU	4T	2.4	.40	15	15	1.9	55	125	BA76	MD137	
10	ADC30-12N-USB	12	S	A	12m	40u	15	10	VU		2.4	.40	15	15	2.7	0	70	BA1	MD8	
11	ADC30-12Z-USB	12	S	AK	12m	40u	15	10	VU		2.4	.40	15	15	2.7	0	70	BA1	MD8	
12	ADC-12QZ-003	12	S	A	12m	40u	30	20	VBU	5T			15	15	1.8	0	70	BA46	MD9h	
13	ADC-MA12B1A	12	S	ACG	12m	40u	30	20	VBU	5T	2.4	.40	15	15	2.2	0	70	BA23a	MD9j	
14	873-78B1	12	S	BD	12m	50u	30	20	VB	2T	2.4	.40	15	15	1.1	0	70	BA9	MD19a	
15	873-78U1	12	S	BD	12m	50u	30	10	VU	2T	2.4	.40	15	15	1.1	0	70	BA9	MD19a	
16	ADC-D12B	12	S	ACG	12m	50u	50	10	VBU	6T	2.4	.40	15	15	2.5	0	70	BA14	MD27	
17	ADC-K12B	12	S	ACG	12m	50u	30	10	VBU	6T	2.4	.40	15	15	2.5	0	70	BA14	MD27	
18	160-12	12	S	ACG	12m	100u	20	20	VBU	6.4m	2.4	.40	15	15	1.3	25	85	BA35	MD64	
19	ADC-CM12B2	12	S	G	12m	350u	30	20	VBU	2T	2.4	.40	15	15	100m	0	70	BA13	MD26	
20	ADC-CM12B-EX	12	S	G	12m	350u	30	20	VBU	2T	2.4	.40	15	15	100m	25	85	BA13	MD26	
21	ADC-CM12B	12	S	AC	12m	350u	30	20	VBU	2T	2.4	.40	15	15	100m	0	70	BA13	MD26	
22	ADC-CM12B-EX	12	S	AC	12m	350u	30	20	VBU	2T	2.4	.40	15	15	100m	25	85	BA13	MD26	
23	ADC586-12	12	I	A	12m	24m	40	10	VU		2.4	.40	5.0	5.0	30m	40	85	BA78b	D24-1	
24	ADC-ER12D	12	D	H	20m	90m	5.0	2.0	VB	1T	2.4	.40	0.0	5.0	1.2	0	70	BA121	MD9p	
25	ADC575-12	12	I	AC	20m	100m	30	20	VB		12	3.0	0.0	15	30m	0	70	BA50	MD98	
26	ADH-11/5	12	S	G	25m	2.0u		10	VU				5.2	0.0	9.0	55	85	BA98	PC6a	
27	4133-11	12	S	ACG	25m	2.5u	20	5.0	VBU	8T	2.4	.50	15	15	3.2	0	70	BA95	MD151	
28	4132-11	12	S	ACG	25m	3.5u	20	5.0	VBU	8T	2.4	.50	15	15	3.2	0	70	BA95	MD151	
29	ADC55-12-BIN	12	S	ACG	25m	12u	20	20	VBU		2.0	.40	15	15	3.2	0	70	BA3	MD9a	
30	ADC560-12B	12	Δ	ACG	25m	20u	15	10	VBU	4T	2.4	.40	15	15	1.9	0	70	BA45	MD9t	
31	ADC560-12B-E	12	Δ	ACG	25m	20u	35	10	VBU	4T	2.4	.40	15	15	1.9	0	70	BA45	MD9t	
32	ADC560-12B-E-G	12	Δ	ACG	25m	20u	35	20	VB	4T	2.4	.40	15	15	1.9	0	70	BA45	MD9t	
33	ADC560-12B-E-G-MIL	12	Δ	ACG	25m	20u	35	20	VB	4T	2.4	.40	15	15	1.9	55	125	BA45	MD9t	
34	ADC560-12B-E-MIL	12	Δ	ACG	25m	20u	15	20	VB	4T	2.4	.40	15	15	1.9	0	70	BA45	MD9t	
35	ADC560-12B-G	12	Δ	ACG	25m	20u	15	20	VB	4T	2.4	.40	15	15	1.9	0	70	BA45	MD9t	
36	ADC560-12B-G-MIL	12	Δ	ACG	25m	20u	15	20	VB	4T	2.4	.40	15	15	1.9	55	125	BA45	MD9t	
37	ADC560-12B-LD	12	Δ	ACG	25m	20u	8.0	10	VB	4T	2.4	.40	15	15	1.9	55	125	BA45	MD9t	
38	ADC560-12B-LD-G	12	Δ	ACG	25m	20u	8.0	10	VBU	4T	2.4	.40	15	15	1.9	0	70	BA45	MD9t	
39	ADC560-12B-LD-G-MIL	12	Δ	ACG	25m	20u	8.0	10	VB	4T	2.4	.40	15	15	1.9	55	125	BA45	MD9t	
40	ADC560-12B-LD-MIL	12	Δ	ACG	25m	20u	8.0	10	VBU	4T	2.4	.40	15	15	1.9	55	125	BA45	MD9t	
41	ADC560-12B-MIL	12	Δ	ACG	25m	20u	8.0	10	VBU	4T	2.4	.40	15	15	1.9	55	125	BA45	MD9t	
42	ADC50-12-BIN	12	S	ACG	25m	20u	15	10	VBU	4T	2.4	.40	15	15	1.9	55	125	BA45	MD9t	
43	ADC30-12N-BTC	12	S	AK	25m	30u	12	20	VBU		2.4	.40	15	15	2.5	0	70	BA2	MD9	
44	ADC30-12Z-BTC	12	S	CGK	25m	40u	20	20	VB		2.4	.40	15	15	2.7	0	70	BA1	MD8	
45	ADH-10/1	12	S	G	50m	1.0u		10	VB				0.0	5.0	9.0	55	85	BA98	PC6a	
46	ADC591-12C	12	Δ	AC	50m	3.5u	25	10	VBU	4T	2.5	.50	15	15	2.5	0	70	BA81	MD137	
47	ADC-M12D1A2	12	S	E	50m	13u	10	5.0	VU	6T	2.4	.80	15	15	2.7	0	70	BA22a	MD27d	
48	ADC-M12D1B2	12	S	E	50m	13u	10	10	VU	6T	2.4	.80	15	15	2.7	0	70	BA22a	MD27d	
49	ADC-M12D2A2	12	S	E	50m	13u	10	5.0	VU	6T	2.4	.80	15	15	2.5	0	70	BA22	MD27d	
50	ADC-M12D2B2	12	S	E	50m	13u	10	10	VU	6T	2.4	.80	15	15	2.5	0	70	BA22	MD27d	
51	ADC560-3-BCD	12	Δ	S	E	50m	20u	15	10	VBU	4T	2.4	.40	15	15	1.9	0	70	BA45	MD9t
52	ADC560-3-BCD-E	12	Δ	S	E	50m	20u	35	10	VBU	4T	2.4	.40	15	15	1.9	0	70	BA45	MD9t
53	ADC560-3-BCD-E-MIL	12	Δ	S	E	50m	20u	35	10	VBU	4T	2.4	.40	15	15	1.9	55	125	BA45	MD9t
54	ADC560-3-BCD-LD	12	Δ	S	E	50m	20u	8.0	10	VBU	4T	2.4	.40	15	15	1.9	0	70	BA45	MD9t
55	ADC560-3-BCD-LD-MIL	12	Δ	S	E	50m	20u	8.0	10	VBU	4T	2.4	.40	15	15	1.9	55	125	BA45	MD9t
56	ADC560-3-BCD-MIL	12	Δ	S	E	50m	20u	15	10	VBU	4T	2.4	.40	15	15	1.9	55	125	BA45	MD9t
57	ADC560-12C	12	Δ	S	ACG	50m	20u	15	10	VBU	4T	2.4	.40	15	15	1.9	0	70	BA45	MD9t
58	ADC560-12C-E	12	Δ	S	ACG	50m	20u	35	10	VBU	4T	2.4	.40	15	15	1.9	0	70	BA45	MD9t
59	ADC560-12C-E-G	12	Δ	S	ACG	50m	20u	35	20	VB	4T	2.4	.40	15	15	1.9	0	70	BA45	MD9t
60	ADC560-12C-E-G-MIL	12	Δ	S	ACG	50m	20u	35	20	VB	4T	2.4	.40	15	15	1.9	55	125	BA45	MD9t
61	ADC560-12C-E-MIL	12	Δ	S	ACG	50m	20u	35	10	VBU	4T	2.4	.40	15	15	1.9	55	125	BA45	MD9t
62	ADC560-12C-G	12	Δ	S	ACG	50m	20u	15	20	VB	4T	2.4	.40	15	15	1.9	0	70	BA45	MD9t
63	ADC560-12C-G-MIL	12	Δ	S	ACG	50m	20u	15	20	VB	4T	2.4	.40	15	15	1.9	55	125	BA45	MD9t
64	ADC560-12C-LD	12	Δ	S	ACG	50m	20u	8.0	10	VB	4T	2.4	.40	15	15	1.9	55	125	BA45	MD9t
65	ADC560-12C-LD-G	12	Δ	S	ACG	50m	20u	8.0	10	VBU	4T	2.4	.40	15	15	1.9	0	70	BA45	MD9t
66	ADC560-12C-LD-G-MIL	12	Δ	S	ACG	50m	20u	8.0	10	VB	4T	2.4	.40	15	15	1.9	0	70	BA45	MD9t
67	ADC560-12C-LD-MIL	12	Δ	S	ACG	50m	20u	8.0	10	VB	4T	2.4	.40	15	15	1.9	55	125	BA45	MD9t
68	ADC560-12C-MIL	12	Δ	S	ACG	50m	20u	8.0	10	VBU	4T	2.4	.40	15	15	1.9	55	125	BA45	MD9t
69	ADC30-12N-BCD	12	S	E	50m	30u	20	10	VU		2.4	.40	15	15	2.7	0	70	BA1	MD8	
70	ADC30-12Z-BCD	12	S	EK	50m	30u	20	10	VU		2.4	.40	15	15	2.7	0	70	BA1	MD8	
71	ADC50-12-BCD	12	S	EK	50m	30u	15	20	VBU		2.4	.40	15	15	2.5	0	70	BA2	MD9	
72	ADC550-10-E-G-MIL	12	S	ACG	50m	30u	35	20	VB	4T	2.4	.40	15	15	1.9	55	125	BA78	MD137	
73	ADC550-10-E-MIL	12	S	ACG	50m	30u	35	10	VBU	4T	2.4	.40	15	15	1.9	55	125	BA78	MD137	
74	ADC550-10-LD-G-MIL	12	S	ACG	50m	30u	8.0	10	VB	4T	2.4	.40	15	15	1.9	55	125	BA78	MD137	
75	ADC550-10-LD-MIL	12	S	ACG	50m	30u	8.0	10	VB	4T	2.4	.40	15	15	1.9	55	125	BA78	MD137	
76	ADC550-10-S-G-MIL	12	S	ACG	50m	30u	8.0													

10. A/D CONVERTERS

IN ORDER OF: (1)RESOLUTION (2)MAX.LIN. ERROR
(3)MAX.CONVERSION TIME & (4)TYPE NUMBER

LINE No.	4) TYPE NUMBER	1) RESOLUTION bits	TYPE OF CONV-ERT	OUTPUT ARITH. CODE OPTIONS	2) MAX. LINEAR ERROR (%)		3) MAX. GAIN CONV. TIME (s)		TEMP. DRIFT (ppm/°C)	INPUT RANGE		MIN. OUTPUT DRIVE CURR. (A)	OUTPUT LEVEL		LOGIC		RATED PWR. SUPPLY SPAN		MAX. OPERATE PWR. DISS.		OPER. TEMP.		DRAWINGS	
					FSR	MAX. CONV. ERROR	TEMP. DRIFT	P.P		V-VOLT	A-AMP		HIGH (min)	LOW (max)	NEG. (V)	POS. (V)	NEG. (W)	POS. (W)	(-)	(+)	LOGIC DWG. No.	OUTLINE DWG. No.		
1	ADH-9/1	12	S	G	100m	900n	10	VB							15	0.0	9.0	55	85	BA98	PC6a			
2	ADH-8/1	12	S	G	200m	800n	10	VB							0.0	5.0	9.0	55	85	BA98	PC6a			
3	ADO2-883AW	12Δ	S	ACG	200m	8.0u	60	20	VBU	3.2m	2.4	.40	15	15	572m	55	125	BA29	DL48					
4	ADO2-883W	12Δ	S	ACG	200m	8.0u	120	20	VBU	3.2m	2.4	.40	15	15	572m	55	125	BA29	DL48					
5	ADO2AW	12Δ	S	ACG	200m	8.0u	60	20	VBU	3.2m	2.4	.40	15	15	572m	55	125	BA29	DL48					
6	ADO2CW	12Δ	S	ACG	200m	8.0u	120	20	VBU	3.2m	2.4	.40	15	15	572m	0	70	BA29	DL48					
7	ADO2EW	12Δ	S	ACG	200m	8.0u	60	20	VBU	3.2m	2.4	.40	15	15	572m	0	70	BA29	DL48					
8	ADO2W	12Δ	S	ACG	200m	8.0u	120	20	VBU	3.2m	2.4	.40	15	15	572m	55	125	BA29	DL48					
9	MN7200	14	R	A	9.0m	2.0m	18m	11	V ϕ s	2.0m	2.9	.80	12	12	4.6	0	70	BA91	PC13					
10	ADC-EP14B5	14	D	H	10m	260m	8.0	4.0	VB	1T	2.5	.40	15	15	1.0	0	70	BA122	MD9ad					
11	ADC-EP14B6	14	D	H	10m	260m	8.0	4.0	VB	1T	2.5	.40	15	15	1.0	0	70	BA122	MD9ad					
12	ADC-M15	15	S	CG	3.0m	25u	3.0	20	VB	5T			15	15	6.7	0	70	BA106	PC15					
13	ADC-EP16D5	18	D	J	10m	260m	8.0	4.0	VB	1T	2.5	.40	15	15	1.0	0	70	BA122	MD9ac					
14	ADC-EP16D6	18	D	J	10m	260m	8.0	4.0	VB	1T	2.5	.40	15	15	1.0	0	70	BA122	MD9ac					

INTERFACE

11. D/A CONVERTERS

IN ORDER OF: (1)RESOLUTION (2)MAX.LIN. ERROR
(3)MAX. SETTLING TIME & (4)TYPE NUMBER

INTERFAC

LINE No.	TYPE NUMBER	RESOLUTION bits	TYPE OF CONV. INT.	INPUT ARITH. CODE OPTIONS	MAX. FSR LINEAR ERROR (%)	MAX. SETTLING TIME (s)	MAX. GAIN @ ACCUR (%)	TEMP. DRIFT ppm/°C	OUTPUT RANGE		INPUT LOGIC LEVEL		RATED PWR. SUPPLY SPAN		MAX. OPERATE PWR. DISS. (W)	OPER. TEMP.		DRAWINGS	
									P-P	V-VOLT A-AMP	HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)		(-)	(+)	LOGIC DWG. No.	OUTLINE DWG. No. Δ=MO
1	DAC101	5	L	A	100m	2.0u	100m		3.3	VU	2.4	.40	20	1.6	55	125	BB85	MD119	
2	DAC100	5	L	A	300m	2.0u	300m		3.3	VU	2.4	.40	20	1.6	55	125	BB85	MD119	
3	DAC-HV6B100	6	L	A	750m	75n	400m	60	5.0	VU	2.0	.80	15	1.5	1.7	50	70	BB22	MD40
4	DAC-HV6B100-EX	6	L	A	750m	75n	400m	60	5.0	VU	2.0	.80	15	1.5	1.7	55	85	BB22	MD40
5	7581	6	L	A	750m	300n	750m	100	20	VBU	2.0	.80	15	1.5	1.3	55	85	BB22	MD40
6	MN301	6	L	LO	780m	23u	780m	800m	10	VBU	2.0	.80	15	1.5	400m	0	70	BB125	MD146
7	MN301H	6	L	LO	780m	23u	780m	800m	10	VBU	2.0	.80	15	1.5	400m	55	125	BB125	MD146
8	DAC02DDX2	7	L	H	400m	1.5u	400m	150	10	VB	2.0	.80	15	1.5	350m	0	70	BB34	D18-3
9	2013	8	M	AC	100m				10	VB	2.0	.80	15	1.5	450m	0	70	BB90	MD127
10	DAC1508-883-8Q	8	M	A	190m	250n	200m	20	4.2m	AU	2.0	.80	15	5.0	265m	55	125	BB32	D16-13e
11	DAC-GI8B	8	L	ACG	200m	50n	200m	30	5.0m	ABU	2.0	.80	15	1.5	1.4	0	70	BB18a	MD36a
12	DAC-HV8B100	8	L	A	200m	75n	400m	60	5.0	VU	2.0	.80	15	1.5	1.7	0	70	BB22	MD40
13	DAC-HV8B100-EX	8	L	A	200m	75n	400m	60	5.0	VU	2.0	.80	15	1.5	1.7	0	70	BB22	MD40
14	DAC-FI8B	8	L	A	200m	75n	400m	60	5.0	VU	2.0	.80	15	1.5	1.7	0	70	BB22	MD40
15	MN333	8	L	ACG	200m	100n	200m	400m	10	VU	2.0	.80	15	1.5	1.4	0	70	BB18a	MD36a
16	DAC-E8-BIN	8	L	A	200m	150n	25m	15	2.0m	AU	2.0	.80	15	1.5	400m	0	70	BB127	MD146
17	DAC-MI8B	8	M	ACG	200m	250n	300m	30	2.0m	ABU	2.0	.80	15	1.5	1.1	0	70	BB25	MD42
18	7582	8	L	A	200m	300n	750m	100	20	VBU	2.0	.80	15	1.5	1.3	55	85	BB25	MD42
19	DAC334	8	M	AC	200m	300n	190m	400m	2.0m	AU	2.0	.80	15	5.0	305m	0	70	BB32	D16-17c
20	DAC-2531	8	L	A	200m	600n	200m	180	2.0m	AU	2.0	.80	15	1.5	800m	55	125	BB83	BB83
21	A861-8	8	L	A	200m	950n	200m	180	2.0m	AU	2.0	.80	15	1.5	52m	25	85	BB151	MD168
22	DAC334-8-M/B	8	M	AC	200m	1.0u	190m	500m	2.0m	AU	2.0	.80	15	5.0	305m	55	125	BB32	D16-17c
23	DAC334-8-M/C	8	M	AC	200m	1.0u	190m	500m	2.0m	ABU	2.0	.80	15	5.0	305m	55	125	BB32	D16-17c
24	DAC02CCX2	8	L	H	200m	1.5u	200m	60	10	VB	2.0	.80	15	1.5	300m	0	70	BB34	D18-3
25	DAC20-08B-USB	8	L	AK	200m	1.5u	200m	40	20	VU	2.0	.80	15	1.5	2.5	0	70	BB1	MD7
26	DAC20-08U-USB	8	L	A	200m	1.5u	200m	40	20	VU	2.0	.80	15	1.5	2.5	0	70	BB1	MD7
27	DAC-V8B1A	8	L	A	200m	2.0u	25m	20	5.0	VU	2.0	.80	15	1.5	900m	0	70	BB28	MD44
28	DAC-V8B1B	8	L	A	200m	2.0u	25m	20	10	VB	2.0	.80	15	1.5	900m	0	70	BB28	MD44
29	DAC-V8B2C	8	L	C	200m	2.0u	25m	20	10	VB	2.0	.80	15	1.5	900m	0	70	BB28	MD44
30	DAC-V8B2D	8	L	C	200m	2.0u	25m	20	20	VB	2.0	.80	15	1.5	900m	0	70	BB28	MD44
31	DAC-V8B3C	8	L	G	200m	2.0u	25m	20	10	VB	2.0	.80	15	1.5	1.9	0	70	BB28	MD44
32	DAC-V8B3D	8	L	G	200m	2.0u	25m	20	20	VB	2.0	.80	15	1.5	1.9	0	70	BB28	MD44
33	DAC-VR8B1A	8	L	A	200m	2.0u	25m	20	5.0	VU	2.0	.80	15	1.5	1.8	0	70	BB29	MD44
34	DAC-VR8B1B	8	L	A	200m	2.0u	25m	20	10	VB	2.0	.80	15	1.5	1.8	0	70	BB29	MD44
35	DAC-VR8B2C	8	L	C	200m	2.0u	25m	20	10	VB	2.0	.80	15	1.5	1.8	0	70	BB29	MD44
36	DAC-VR8B2D	8	L	C	200m	2.0u	25m	20	20	VB	2.0	.80	15	1.5	1.8	0	70	BB29	MD44
37	DAC-VR8B3C	8	L	G	200m	2.0u	25m	20	10	VB	2.0	.80	15	1.5	1.8	0	70	BB29	MD44
38	DAC-VR8B3D	8	L	G	200m	2.0u	25m	20	20	VB	2.0	.80	15	1.5	1.8	0	70	BB29	MD44
39#	ZN425E	8	L	A	200m	2.0u	200m	7.5	2.5	VU	2.0	.70	0.0	5.0	200m	0	70	BB71	D16-7p
40	DAC-MV8B	8	M	AG	200m	4.0u	10m	30	10	VBU	2.0	.80	15	1.5	825m	0	70	BB26b	MD43
41	DAC40-08U-CBI	8	L	B	200m	5.0u	10m	10	20	VBU	2.0	.80	15	1.5	1.3	0	70	BB3	MD5b
42	DAC50-08U-CBI	8	L	B	200m	5.0u	10m	15	20	VBU	2.0	.80	15	1.5	1.3	0	70	BB3	MD5b
43	DAC-HB8B	8	L	AG	200m	5.0u	50m	30	10	VBU	2.0	.80	15	1.5	750m	0	70	BB19	MD37
44	DAC-R8B	8	L	BD	200m	5.0u	10m	30	20	VB	2.0	.80	15	1.5	1.3	0	70	BB27a	MD5e
45	DAC-TR8B	8	L	BD	200m	5.0u	10m	7.0	20	VBU	2.0	.80	15	1.5	1.3	0	70	BB27a	MD5e
46	MN328	8	L	A	200m	23u	200m	400m	10	VU	2.0	.80	15	1.5	1.1	0	70	BB126	MD101b
47	MN328B	8	L	O	200m	23u	200m	400m	10	VB	2.0	.80	15	1.5	1.1	0	70	BB126	MD101b
48	MN328BH	8	L	O	200m	23u	200m	400m	10	VB	2.0	.80	15	1.5	1.1	55	125	BB126	MD101b
49	MN328H	8	L	A	200m	23u	200m	400m	10	VU	2.0	.80	15	1.5	1.1	55	125	BB126	MD101b
50	DAC-CM8B	8	L	ACG	200m	25u	200m	30	20	VBU	12	0.0	15	1.5	42m	0	70	BB17	MD35
51	DAC-CM8B-EX	8	L	ACG	200m	25u	200m	30	20	VBU	12	0.0	15	1.5	42m	0	70	BB17	MD35
52	MN335	8	L	O	200m	45u	200m	400m	20	VB	2.0	.80	15	1.5	750m	0	70	BB100	MD101b
53	MN335H	8	L	O	200m	45u	200m	400m	20	VB	2.0	.80	15	1.5	750m	55	125	BB100	MD101b
54	DAC20-883AQ	8	M	E	250m	135n	500m	50	4.2m	AU	2.0	.80	15	1.5	194m	55	125	BB100	D16-13e
55	DAC20AQ	8	M	E	250m	135n	500m	50	4.2m	AU	2.0	.80	15	1.5	194m	55	125	BB100	D16-13e
56	H19-1085	8	L	A	400m	1.5u	200m	60	20	VB	2.0	.80	15	5.0	200m	0	70	BB44	F24-3
57	DAC20-08B-BOB	8	L	CK	400m	3.0u	400m	60	20	VB	2.0	.80	15	1.5	2.5	0	70	BB1	MD7
58	DAC20-08B-BTC	8	L	GK	400m	3.0u	400m	60	20	VB	2.0	.80	15	1.5	2.5	0	70	BB1	MD7
59	DAC20-08U-BOB	8	L	C	400m	3.0u	400m	60	20	VB	2.0	.80	15	1.5	2.5	0	70	BB1	MD7
60	DAC40-08B-BIN	8	L	AK	400m	7.0u	10m	10	20	VBU	2.0	.80	15	1.5	1.9	0	70	BB3	MD9d
61	DAC40-08B-BTC	8	L	GK	400m	7.0u	10m	10	20	VBU	2.0	.80	15	1.5	1.9	0	70	BB3	MD9d
62	DAC50-08B-BIN	8	L	AK	400m	7.0u	10m	15	20	VBU	2.0	.80	15	1.5	1.9	0	70	BB3	MD9d
63	DAC50-08B-BTC	8	L	GK	400m	7.0u	10m	15	20	VBU	2.0	.80	15	1.5	1.9	0	70	BB3	MD9d
64	DAC20-883Q	8	M	E	500m	150n	500m	80	4.2m	AU	2.0	.80	15	1.5	194m	55	125	BB100	D16-13e
65	DAC20Q	8	M	E	500m	150n	500m	80	4.2m	AU	2.0	.80	15	1.5	194m	55	125	BB100	D16-13e
66	DAC-E8-BCD	8	L	E	500m	150n	25m	15	1.2m	AU	2.0	.80	15	1.5	600m	0	70	BB26	MD42a
67	DAC-MI8D	8	M	E	500m	250n	30	1.2m	AU	2.0	.80	.80	15	1.5	1.1	0	70	BB28	MD44
68	DAC-V8D4A	8	L	E	500m	2.0u	25m	20	5.0	VU	2.0	.80	15	1.5	900m	0	70	BB28	MD44
69	DAC-V8D4B	8	L	E	500m	2.0u	25m	20	10	VU	2.0	.80	15	1.5	900m	0	70	BB28	MD44
70	DAC-VR8D4A	8	L	E	500m	2.0u	25m	20	5.0	VU	2.0	.80	15	1.5	1.8	0	70	BB29	MD44
71	DAC-VR8D4B	8	L	E	500m	2.0u	25m	20	10	VU	2.0	.80	15	1.5	1.8	0	70	BB29	MD44
72	DAC-MV8D	8	M	E	500m	4.0u	10m	30	10	VU	2.0	.80	15	1.5	825m	0	70	BB26	MD43a
73	DAC-R8D	8	L	F	500m	5.0u	10m	30	10	VU	2.0	.80	15	1.5	1.3	0	70	BB27a	MD5e
74	DAC-TR8D	8	L	F	500m	5.0u	10m	7.0	10	VU	2.0	.80	15	1.5	1.3	0	70	BB27a	MD5e
75	845-U5	8	L	A	500m	26u	200m	80	5.0	VU	2.0	.50	15	1.5	1.1	20	85	BB13	MD22
76	845-B5	8	L	A	500m	51u	200m	80	10	VB	2.0	.50	15	1.5	1.1	20	85	BB13	MD22
77	845-U10	8	L	A															

11. D/A CONVERTERS

IN ORDER OF: (1)RESOLUTION (2)MAX.LIN. ERROR (3)MAX. SETTLING TIME & (4)TYPE NUMBER

LINE No.	TYPE NUMBER	RESOLUTION bits	TYPE OF CONV-ERT	INPUT ARITH. CODE OPTIONS	MAX. FSR LINEAR ERROR (%)	MAX. SETTLING TIME (s)	MAX. GAIN @ ACCUR (%)	TEMP. DRIFT ppm/°C	OUTPUT MAX. RANGE		INPUT LOGIC LEVEL		RATED PWR. SUPPLY SPAN		MAX. OPERATE PWR. DISS. (W)	OPER. TEMP.		DRAWINGS	
									P-P A-VOLT	A-AMP	HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)		(-) (°C)	(+) (°C)	LOGIC DWG. No.	OUTLINE DWG. No. Δ=MO
1	DAC348-10-M/C	10	M	AG	50m	15u	10m	20	VB	2.0	.80	15	15	155m	55	125	BB108	MD123a	
2	MN411	10	M	CHO	50m	15u	50m	50ms	20	VB	2.0	.80	15	5.0	550m	0	70		MD57d
3	MN411H	10	M	CHO	50m	15u	50m	100ms	20	VB	2.0	.80	15	5.0	550m	55	125		MD57d
4	DAC CM10B	10	L	ACG	50m	25u	30	20	VBU	12	0.0	15	15	42m	0	70	BB17	MD35	
5	DAC-CM10B-EX	10	L	ACG	50m	25u	30	20	VBU	12	0.0	15	15	42m	0	70	BB17	MD35	
6	MN410	10	M	CHO	50m	45u	50m	100ms	20	VB	2.0	.80	15	15	600m	0	70	BB140	MD57d
7	MN410H	10	M	CHO	50m	45u	50m	100ms	20	VB	2.0	.80	15	15	600m	55	125	BB140	MD57d
8	DAC380-10-MIL	10	L	A	50m	50u	20m	35	50m	AU	2.0	.50	12	12	1.1	55	125	BB114	MD77
9	MC3510L	10	M	AE	50ms	50m	50m	20	5.0m	AU	2.0	.80	0.0	18	380m	55	125	BB30	D 16-12
10	MC3510P	10	M	AE	50ms	50m	50m	20	5.0m	AU	2.0	.80	0.0	18	380m	55	125	BB30	D 16-10
11	MN3100	10	M	PD	50m	50m	50m	100ms	20	VB	3.5	1.0	15	15	230m	0	70	BB142	MD102b
12	DAC-V10	10	L	AC	50ms	20	100m	15	15m	ABU			15	15	2.0	20	75	BB147	MD160b
13	DAC100BA9	10Δ	L	BD	100m	375n	50m	15	10	VBU	2.1	.70	15	15	250m	25	85	BB101	F24-3a
14	DAC100BAQ1	10Δ	L	BD	100m	375n	100m	15	10	VBU	2.1	.70	15	15	250m	25	85	BB38	D 16-13
15	DAC100BAQ2	10Δ	L	BD	100m	375n	100m	15	5.0	VBU	2.1	.70	15	15	250m	25	85	BB38	D 16-13
16	DAC02ACX2	10	L	H	100m	1.5u	50m	60	10	VB	2.0	.80	15	15	300m	0	70	BB34	D 18-3
17	DAC20-10B-BOB	10	L	CK	100m	3.0u	100m	30	20	VB	2.0	.80	15	15	2.5	0	70	BB1	MD7
18	DAC20-10B-BTC	10	L	GK	100m	3.0u	100m	30	20	VB	2.0	.80	15	15	2.5	0	70	BB1	MD7
19	DAC20-10U-BOB	10	L	C	100m	3.0u	100m	30	20	VB	2.0	.80	15	15	2.5	0	70	BB1	MD7
20	DAC40-10B-BIN	10	L	AK	100m	7.0u	10m	10	20	VBU	2.0	.80	15	15	1.9	0	70	BB3	MD9d
21	DAC40-10B-BTC	10	L	GK	100m	7.0u	10m	10	20	VBU	2.0	.80	15	15	1.9	0	70	BB3	MD9d
22	DAC50-10B-BIN	10	L	AK	100m	7.0u	10m	15	20	VBU	2.0	.80	15	15	1.9	0	70	BB3	MD9d
23	DAC50-10B-BTC	10	L	GK	100m	7.0u	10m	15	20	VBU	2.0	.80	15	15	1.9	0	70	BB3	MD9d
24	NDAC-8-1	10	L	I	200ms	75n	100m	10m	5.0	VU			15	15	7.6	55	85	BB56	MD96
25	NDAC-8-3	10	L	I	200ms	75n	100m	10m	5.0	VU			15	15	7.6	0	70	BB56	MD96
26	DAC-V10B1A	10	L	A	200m	2.0u	25m	20	10	VU	2.0	.80	15	15	900m	0	70	BB28	MD44
27	DAC-V10B1B	10	L	A	200m	2.0u	25m	20	10	VU	2.0	.80	15	15	900m	0	70	BB28	MD44
28	DAC-V10B2C	10	L	C	200m	2.0u	25m	20	10	VB	2.0	.80	15	15	900m	0	70	BB28	MD44
29	DAC-V10B2D	10	L	C	200m	2.0u	25m	20	10	VB	2.0	.80	15	15	900m	0	70	BB28	MD44
30	DAC-V10B3C	10	L	G	200m	2.0u	25m	20	10	VB	2.0	.80	15	15	1.8	0	70	BB28	MD44
31	DAC-V10B3D	10	L	G	200m	2.0u	25m	20	10	VB	2.0	.80	15	15	1.8	0	70	BB28	MD44
32	DAC-VR10B1A	10	L	A	200m	2.0u	25m	20	5.0	VU	2.0	.80	15	15	1.8	0	70	BB29	MD44
33	DAC-VR10B1B	10	L	A	200m	2.0u	25m	20	10	VU	2.0	.80	15	15	1.8	0	70	BB29	MD44
34	DAC-VR10B2C	10	L	C	200m	2.0u	25m	20	10	VB	2.0	.80	15	15	1.8	0	70	BB29	MD44
35	DAC-VR10B2D	10	L	C	200m	2.0u	25m	20	10	VB	2.0	.80	15	15	1.8	0	70	BB29	MD44
36	DAC-VR10B3C	10	L	G	200m	2.0u	25m	20	10	VB	2.0	.80	15	15	1.8	0	70	BB29	MD44
37	DAC-VR10B3D	10	L	G	200m	2.0u	25m	20	10	VB	2.0	.80	15	15	1.8	0	70	BB29	MD44
38	DAC-V8	10	L	AC	200ms	15	100m	30	15m	ABU			15	15	2.0	20	75	BB147	MD160b
39	DAC100DDN9	10Δ	L	BD	300m	375n	50m	120	10	VBU	2.1	.70	15	15	250m	25	85	BB101	F24-3b
40	EDAC-11-1	11	L	GN	25ms	10u	25m	25	19	VB#			15	15	1.6	55	85		MD95
41	EDAC-11-3	11	L	GN	25ms	10u	25m	25	19	VB#			15	15	1.6	0	70		MD95
42	DAC380-11-MIL	11	L	A	25m	50u	20m	35	50m	AU	2.0	.50	12	12	1.1	55	125	BB114	MD77
43	EDAC-10-1	11	L	GN	50ms	10u	25m	50	19	VB#			15	15	1.6	55	85		MD95
44	EDAC-10-3	11	L	GN	50ms	10u	25m	50	19	VB#			15	15	1.6	0	70		MD95
45	EDAC-9-1	11	L	GN	100ms	10u	25m	75	19	VB#			15	15	1.6	55	85		MD95
46	EDAC-9-3	11	L	GN	100ms	10u	25m	75	19	VB#			15	15	1.6	0	70		MD95
47	DAC05-883AX2	11	L	H	200m	1.5u	25m	60	10	VB	2.0	.80	15	15	350m	55	125	BB98	D 18-3
48	DAC05AX2	11	L	H	200m	1.5u	25m	60	10	VB	2.0	.80	15	15	350m	55	125	BB98	D 18-3
49	DAC05EX2	11	L	H	200m	1.5u	25m	100	10	VB	2.0	.80	15	15	350m	0	70	BB98	D 18-3
50	EDAC-8-1	11	L	GN	200ms	10u	25m	100	19	VB#			15	15	1.6	55	85		MD95
51	EDAC-8-3	11	L	GN	200ms	10u	25m	100	19	VB#			15	15	1.6	0	70		MD95
52	848-B5	11	L	C	250ms	3.2u	50m	20	10	VB	2.0	.50	15	15	1.1	55	125	BB86	MD17
53	848-B10	11	L	C	250ms	4.5u	50m	20	10	VB	2.0	.50	15	15	1.1	55	125	BB86	MD17
54	848-U10	11	L	C	250ms	4.5u	50m	20	10	VU	2.0	.50	15	15	1.1	55	125	BB86	MD17
55	DAC05-883BX2	11	L	H	300m	1.5u	25m	90	10	VB	2.0	.80	15	15	350m	55	125	BB98	D 18-3
56	DAC05BX2	11	L	H	300m	1.5u	25m	90	10	VB	2.0	.80	15	15	350m	55	125	BB98	D 18-3
57	DAC05FX2	11	L	H	300m	1.5u	25m	100	10	VB	2.0	.80	15	15	350m	0	70	BB98	D 18-3
58	DAC05-883CX2	11	L	H	500m	1.5u	25m	120	10	VB	2.0	.80	15	15	350m	55	125	BB98	D 18-3
59	DAC05CX2	11	L	H	500m	1.5u	25m	120	10	VB	2.0	.80	15	15	350m	55	125	BB98	D 18-3
60	DAC05GX2	11	L	H	500m	1.5u	25m	100	10	VB	2.0	.80	15	15	350m	0	70	BB98	D 18-3
61	SSS562-883-BIN	12	M	A	6.0m	1.5u	12m	3.0	20	VBU	2.0	.80X	15	15	375m	55	125	BB161	D24-22
62	SSS562-SD-BIN	12	M	A	6.0m	1.5u	12m	3.0	20	VBU	2.0	.80X	15	15	375m	55	125	BB161	D24-22
63	SSS562-883-BCD	12	M	E	10m	1.5u	50m	3.0	20	VBU	2.0	.80X	15	15	375m	55	125	BB161	D24-22
64	SSS562-SD-BCD	12	M	E	10m	1.5u	50m	3.0	20	VBU	2.0	.80X	15	15	375m	55	125	BB161	D24-22
65	A860-12	12	L	A	12m		10	8.0m	AU	2.0	.80	15	15	1.5	25	85	BB97a	MD132	
66	DAC-SC-C-CBI-I	12	L	BD	12m		10m	15		2.0	.80	15	15	850m	0	70	BB7	MD11f	
67	DAC-SC-C-CBI-V	12	L	BD	12m		10m	15		2.0	.80	15	15	850m	0	70	BB7	MD11f	
68	DAC-LGI-12-1	12	L	AC	12m	50n	100m	100	16m	ABU			15	15	5.9	55	85	BB144a	MD160
69	DAC-LGI-12-3	12	L	AC	12m	50n	100m	100	16m	ABU			15	15	5.9	0	70	BB144a	MD160
70	DAC-E12-BIN	12	L	A	12m	150n	25m	15	2.0m	AU	2.0	.80	15	15	600m	0	70		MD1
71	DAC-M12B	12	M	ACG	12m	250n	30		2.0m	ABU	2.0	.80	15	15	1.1	0	70	BB25	MD42
72	DAC-LG-12-1	12	L	AC	12m	500n	50m	25	10	VBU			15	15	5.9	55	85	BB144	MD160
73	DAC-LG-12-3	12	L	AC	12m	500n	50m	25	10	VBU			15	15	5.9	0	70	BB144	MD160
74	DAC-S-C-CBI-I	12	L	BD	12m	500n	10m	15	2.0m	ABU	2.0	.80	15	15	850m	0	70	BB7	MD11f
75	DAC-S-C-CBI-V	12	L	BD	12m	500n	10m	15	2.0m	ABU	2.0	.80	15	15	850m	0	70	BB7	MD11f
76	DAC-S-C-CCD-I	12	L	F	12m	500n	10m	20	2.0m	AU	2.0	.80	15	15	850m	25	85	BB7	MD11f
77	DAC-S-C-CCD-V	12	L	F	12m	500n	10m	20	2.0m	AU	2.0	.80	15	15	850m	25	85	BB7	MD11f
78	DAC-SC-CBI-I	12	L	F	12m	500n	10m	15	2.0m	AU	2.0	.8							

11. D/A CONVERTERS

IN ORDER OF: (1)RESOLUTION (2)MAX.LIN. ERROR
(3)MAX. SETTLE TIME & (4)TYPE NUMBER

LINE No.	TYPE NUMBER	RESOLUTION bits	TYPE OF CONV-ERT	INPUT ARITH. CODE OPTIONS	MAX. LINEAR ERROR		MAX. GAIN DRIFT ppm/°C	OUTPUT V-RANGE		INPUT LOGIC LEVEL		RATED PWR. SUPPLY SPAN		MAX. OPERATE PWR. DISS.		OPER. TEMP.		DRAWINGS	
					FSR (%)	SETTLING TIME (s)		ACCUR (%)	P-P (V)	A-AMP (A)	HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)	(-) (°C)	(+) (°C)	LOGIC DWG. No.	OUTLINE DWG. No. Δ=MO	
1	DAC50-12U-CBI	12	L	B	12m	5.0u	10m	12	20	VBU	2.0	.80	15	15	1.3	0	70	BB3	MD55
2	DAC80-CBI-I#	12	L	BD	12m	5.0u	10m	30	2.0m	ABU	2.0	.80	15	15	850m	25	85	BB7	MD19d
3	DAC80-CBI-V#	12	L	BD	12m	5.0u	10m	30	2.0	VB	2.0	.80	15	15	850m	25	85	BB7	MD19d
4	DAC80-CCD-I#	12	L	F	12m	5.0u	10m	30	1.2m	AU	2.0	.80	15	15	850m	25	85	BB7	MD19d
5	DAC80-CCD-V#	12	L	F	12m	5.0u	10m	30	1.0	VU	2.0	.80	15	15	850m	25	85	BB7	MD19d
6	DAC-12QZ/BIN	12	L	BC	12m	5.0u	10m	30	2.0	VBU	2.0	.80	15	15	1.0	0	70	BB2	MD5i
7	DAC-HB12B	12	L	AG	12m	5.0u	50m	30	10	VBU	2.0	.80	15	15	750m	0	70	BB19	MD37
8	DAC-R12B	12	L	BD	12m	5.0u	10m	30	2.0	VBU	2.0	.80	15	15	1.3	0	70	BB27	MD5g
9	DAC-S-CBI-V	12	L	BD	12m	5.0u	10m	15	10	VBU	2.0	.80	15	15	850m	0	70	BB7	MD11f
10	DAC-S-CCD-V	12	L	F	12m	5.0u	10m	15	10	VU	2.0	.80	15	15	850m	0	70	BB7	MD11f
11	DAC-S-CCD-V	12	L	F	12m	5.0u	10m	20	10	VU	2.0	.80	15	15	850m	25	85	BB7	MD11f
12	DAC-SC-C-CCD-V	12	L	F	12m	5.0u	10m	15	10	VU	2.0	.80	15	15	850m	0	70	BB7	MD11f
13	DAC-SC-CBI-V	12	L	BD	12m	5.0u	10m	20	10	VBU	2.0	.80	15	15	850m	25	85	BB7	MD11f
14	DAC-SC-CCD-V	12	L	F	12m	5.0u	10m	20	10	VU	2.0	.80	15	15	850m	25	85	BB7	MD11f
15	DAC-TR12B	12	L	BD	12m	5.0u	10m	7.0	2.0	VBU	2.0	.80	15	15	1.3	0	70	BB27	MD5g
16	DAC-TR12D	12	L	F	12m	5.0u	10m	7.0	1.0	VU	2.0	.80	15	15	1.3	0	70	BB27	MD5g
17	MN360	12	L	D	12m	7.0u	12m	100m§	2.0	VB	2.5	.40	15	15	870m	0	70	BB134	MD102b
18	MN360H	12	L	D	12m	7.0u	12m	250m§	2.0	VB	2.5	.40	15	15	870m	55	125	BB134	MD102b
19	MN362	12	L	B	12m	7.0u	12m	100m§	1.0	VU	2.5	.40	15	15	870m	0	70	BB134	MD102b
20	MN362H	12	L	B	12m	7.0u	12m	250m§	1.0	VU	2.5	.40	15	15	870m	55	125	BB134	MD102b
21	MN415	12	L	BP	12m	7.0u	12m	100m§	2.0	VB	2.4	.80	15	15	750m	0	70	BB136a	MD147
22	MN415H	12	L	BP	12m	7.0u	12m	100m§	2.0	VB	2.4	.80	15	15	750m	55	125	BB136a	MD147
23	MN416	12	L	AO	12m	7.0u	12m	100m§	2.0	VB	2.4	.80	15	15	1.1	0	70	BB136	MD147
24	MN416H	12	L	AO	12m	7.0u	12m	100m§	2.0	VB	2.4	.80	15	15	1.1	55	125	BB136	MD147
25	DAC347-12	12	L	B	12m	10u	10m	10	10	VU	2.0	.80	15	15	405m	0	70	BB105	MD123a
26	DAC347-12-G	12	L	D	12m	10u	10m	10	2.0	VB	2.0	.80	15	15	405m	0	70	BB105a	MD123a
27	DAC347-12-G-M/B	12	L	BD	12m	10u	10m	.35 §	2.0	VB	2.0	.80	15	15	405m	55	125	BB105a	MD123a
28	DAC347-12-G-M/C	12	L	BD	12m	10u	10m	.35 §	2.0	VB	2.0	.80	15	15	405m	55	125	BB105a	MD123a
29	DAC347-12-M/B	12	L	BD	12m	10u	10m	.35 §	1.0	VU	2.0	.80	15	15	405m	55	125	BB105	MD123a
30	DAC347-12-M/C	12	L	BD	12m	10u	10m	.35 §	1.0	VU	2.0	.80	15	15	405m	55	125	BB105	MD123a
31	DAC348-12-M/C	12	M	AG	12m	15u	10m	2.0	2.0	VB	2.0	.80	15	15	155m	55	125	BB106	MD123a
32	DAC365-12	12	M	AC	12m	25u	100m	2.0	2.0	VB	2.0	.80	15	15	1.3	55	125	BB65	MD75g
33	DAC368-12	12	M	AC	12m	25u	100m	2.0	2.0	VB	2.0	.80	15	15	1.2	55	125	BB66	MD100
34	DAC-CM12B	12	L	ACG	12m	25u	10m	30	2.0	VBU	12	0.0	15	15	42m	0	70	BB17	MD35
35	DAC-CM12B-EX	12	L	ACG	12m	25u	10m	30	2.0	VBU	12	0.0	15	15	42m	0	70	BB17	MD35
36	MN412	12	M	CHO	12m	45u†	12m	24m§	2.0	VB	2.5	.80	15	15	700m	0	70	BB141	MD57e
37	MN412H	12	M	CHO	12m	45u†	12m	30m§	2.0	VB	2.5	.80	15	15	700m	55	125	BB141	MD57e
38	DAC375-12	12	L	AG	12m	75u	50m	7.0	1.0	VBU	2.0	.80	15	15	67m	0	70	BB70	MD103
39	DAC375-12-G	12	L	G	12m	75u	50m	7.0	2.0	VB	2.0	.80	15	15	67m	0	70	BB70	MD103
40	DAC375-12-WT	12	L	AG	12m	75u	50m	7.0	1.0	VBU	2.0	.80	15	15	67m	25	85	BB70	MD103
41	MN413	12	M	CHO	12m	15m	12m	24m§	2.0	VB	2.5	.80	15	5.0	600m	0	70	BB141a	MD57e
42	MN413H	12	M	CHO	12m	15m	12m	30m§	2.0	VB	3.5	1.0	15	5.0	600m	55	125	BB141a	MD102b
43	DAC380-12-MIL	12	L	A	15m	50u	20m	35 §	50m	AU	2.0	.50	12	12	1.1 †	55	125	BB114	MD77
44	DAC-LGI-11-1	12	L	AC	25m	50n	100m	100	16m	ABU			15	15	5.9	55	85	BB144a	MD160
45	DAC-LGI-11-3	12	L	AC	25m	50n	100m	100	16m	ABU			15	15	5.9	0	70	BB144a	MD160
46	DAC-LG-11-1	12	L	AC	25m	500n	50m	25	10	VBU			15	15	5.9	55	85	BB144	MD160
47	DAC-LG-11-3	12	L	AC	25m	500n	50m	25	10	VBU			15	15	5.9	0	70	BB144	MD160
48	DAC12GV	12	L	BDGN	25m	700n†	12m	20	25	VBU	2.0	.80	15	15	150m†	0	70	BB210	D24-22
49	877-851-D2	12	L	BDM	25m	1.0u†	10m	20	2.0m	ABU	2.0	.40	15	15	850m	25	85	BB11a	MD18a
50	DAC20-12U-BOB	12	L	C	25m	2.5u	25m	20	2.0	VB	2.0	.80	15	15	2.5	0	70	BB1	MD7
51	877-85V-D2	12	L	BDM	25m	5.0u†	10m	20	2.0	VBU	2.0	.40	15	15	850m	25	85	BB11	MD18a
52	DAC20-12B-BOB	12	L	CK	25m	5.0u	25m	20	2.0	VB	2.0	.80	15	15	2.5	0	70	BB1	MD7
53	DAC20-12B-BTC	12	L	GK	25m	5.0u	25m	20	2.0	VB	2.0	.80	15	15	2.5	0	70	BB1	MD7
54	DAC40-12B-BIN	12	L	AK	25m	7.0u	10m	7.0	2.0	VBU	2.0	.80	15	15	1.9	0	70	BB3	MD9d
55	DAC40-12B-BTC	12	L	GK	25m	7.0u	10m	7.0	2.0	VBU	2.0	.80	15	15	1.9	0	70	BB3	MD9d
56	DAC50-12B-BIN	12	L	AK	25m	7.0u	10m	12	2.0	VBU	2.0	.80	15	15	1.9	0	70	BB3	MD9d
57	DAC50-12B-BTC	12	L	GK	25m	7.0u	10m	12	2.0	VBU	2.0	.80	15	15	1.9	0	70	BB3	MD9d
58	DAC375-11	12	L	AG	25m	75u	50m	7.0	1.0	VBU	2.0	.80	15	15	67m	0	70	BB70	MD103
59	DAC375-11-G	12	L	G	25m	75u	50m	7.0	2.0	VB	2.0	.80	15	15	67m	0	70	BB70	MD103
60	DAC375-11-WT	12	L	AG	25m	75u	50m	7.0	1.0	VBU	2.0	.80	15	15	67m	25	85	BB70	MD103
61	DAC375-11-WT-G	12	L	AG	25m	75u	50m	7.0	2.0	VB	2.0	.80	15	15	67m	25	85	BB70	MD103
62	DAC921LG	12	M	B	50m	50n	12m	10	2.0m	ABU	2.0	.80	0.0	15	30m	0	75	BB88	D18-5
63	DAC921TG	12	M	B	50m	50n	12m	10	2.0m	ABU	2.0	.80	0.0	15	30m	55	125	BB88	D18-5
64	DAC-LGI-10-1	12	L	AC	50m	50n	100m	100	16m	ABU			15	15	5.9	55	85	BB144a	MD160
65	DAC-LGI-10-3	12	L	AC	50m	50n	100m	100	16m	ABU			15	15	5.9	0	70	BB144a	MD160
66	DAC-E12-BCD	12	L	E	50m	150n	25m	15	1.2m	AU	2.0	.80	15	15	600m	0	70	BB25	MD42a
67	DAC-MI12D	12	M	E	50m	250n	30	30	1.2m	AU	2.0	.80	15	15	1.1	0	70	BB25	MD144
68	DAC-LG-10-1	12	L	AC	50m	500n	50m	50	10	VBU			15	15	5.9	55	85	BB144	MD160
69	DAC-LG-10-3	12	L	AC	50m	500n	50m	50	10	VBU			15	15	5.9	0	70	BB144	MD160
70	DAC12HV	12	L	BDGN	50m	700n†	12m	20	25	VBU	2.0	.80	15	15	150m†	0	70	BB210	D24-22
71	SS5562-AD-BCD	12	M	E	50m	1.5u	50m	3.0	2.0	VBU	2.0	.80X	15	15	375m†	25	85	BB161	D24-22
72	SS5562-KD-BCD	12	M	E	50m	1.5u	50m	3.0	2.0	VBU	2.0	.80X	15	15	375m†	0	70	BB161	D24-22
73	DAC3451-10-BP	12	L	D	50m	2.0u†	10m	2.0	2.0m	IB	2.0	.80	15	15	675m	0	70	BB68	MD101a
74	DAC3451-10-UP	12	L	B	50m	2.0u†	10m	2.0	2.0m	AU	2.0	.80	15	15	675m	0	70	BB68	MD101a
75	DAC-V12D4A	12	L	E	50m	2.0u	25m	20	5.0	VU	2.0	.80	15	15	900m	0	70	BB28	MD44
76	DAC-V12D4B	12	L	E	50m	2.0u	25m	20	10	VU	2.0	.80	15	15	900m	0	70</		

11. D/A CONVERTERS

IN ORDER OF: (1)RESOLUTION (2)MAX.LIN. ERROR
(3)MAX. SETTLING TIME & (4)TYPE NUMBER

LINE No.	TYPE NUMBER	RESOLUTION bits	TYPE OF CONV -ERT	INPUT ARITH. CODE OPTIONS	MAX. FSR LINEAR ERROR (%)	MAX. SETTLING TIME (s)	MAX. GAIN TEMP. DRIFT ppm/°C	OUTPUT MAX. RANGE		INPUT LOGIC LEVEL		RATED PWR. SUPPLY SPAN		MAX. OPERATE PWR. DISS.			OPER. TEMP.		DRAWINGS	
								P-P V-VOLT A-AMP	V-VOLT A-AMP	HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)	(W)	(-)	(+)	LOGIC DWG. No.	OUTLINE DWG. No. Δ=MO		
1	DAC921RG	12	M	B	200m	50n	12m	10	2.0m	ABU	2.0	.80	0.0	15	30m	55	125	BB88	D18-5	
2	DAC-V12B1A	12	L	A	200m	2.0u	25m	20	5.0	VU	2.0	.80	15	15	900m	0	70	BB28	MD44	
3	DAC-V12B1B	12	L	A	200m	2.0u	25m	20	10	VU	2.0	.80	15	15	900m	0	70	BB28	MD44	
4	DAC-V12B2C	12	L	C	200m	2.0u	25m	20	10	VB	2.0	.80	15	15	900m	0	70	BB28	MD44	
5	DAC-V12B2D	12	L	C	200m	2.0u	25m	20	20	VB	2.0	.80	15	15	900m	0	70	BB28	MD44	
6	DAC-V12B3C	12	L	G	200m	2.0u	25m	20	10	VB	2.0	.80	15	15	1.8	0	70	BB28	MD44	
7	DAC-V12B3D	12	L	G	200m	2.0u	25m	20	20	VB	2.0	.80	15	15	1.8	0	70	BB28	MD44	
8	DAC-VR12B1A	12	L	A	200m	2.0u	25m	20	5.0	VU	2.0	.80	15	15	1.8	0	70	BB29	MD44	
9	DAC-VR12B1B	12	L	A	200m	2.0u	25m	20	10	VU	2.0	.80	15	15	1.8	0	70	BB29	MD44	
10	DAC-VR12B2C	12	L	C	200m	2.0u	25m	20	10	VB	2.0	.80	15	15	1.8	0	70	BB29	MD44	
11	DAC-VR12B2D	12	L	C	200m	2.0u	25m	20	20	VB	2.0	.80	15	15	1.8	0	70	BB29	MD44	
12	DAC-VR12B3C	12	L	G	200m	2.0u	25m	20	10	VB	2.0	.80	15	15	1.8	0	70	BB29	MD44	
13	DAC-VR12B3D	12	L	G	200m	2.0u	25m	20	20	VB	2.0	.80	15	15	1.8	0	70	BB29	MD44	
14	DAC365-8	12	M	AC	200m	25u	100m	2.0	20	VB	2.0	.80	15	15	1.3	55	125	BB65	MD75g	
15	DAC368-8	12	M	AC	200m	25u	100m	2.0	20	VB	2.0	.80	15	15	1.2	55	125	BB66	MD100	
16	ADAC-1	13	M	G	6.0m			5.0	7.0	VB			15	15	900m	55	85	BB61	MD93	
17	ADAC-3	13	M	G	6.0m			5.0	7.0	VB			15	15	900m	0	70	BB61	MD93	
18	UDAC-13-1	13	L	A	6.1m	10u		5.0	20	VB#			15	15	1.6	55	85	BB57	MD97	
19	UDAC-13-3	13	L	A	6.1m	10u		5.0	20	VB#			15	15	1.6	0	70	BB57	MD97	
20	HDAC-12-1	13	L	GN	12m	1.0u	6.0m	15	19	VB#			15	15	2.8	55	85		MD95a	
21	HDAC-12-3	13	L	GN	12m	1.0u	6.0m	15	19	VB#			15	15	2.8	0	70		MD95a	
22	UDAC-12-1	13	L	A	12m	10u		10	20	VB#			15	15	1.6	55	85	BB57	MD97	
23	UDAC-12-3	13	L	A	12m	10u		10	20	VB#			15	15	1.6	0	70	BB57	MD97	
24	UDAC-11-1	13	L	A	24m	10u		20	20	VB#			15	15	1.6	55	85	BB57	MD97	
25	UDAC-11-3	13	L	A	24m	10u		20	20	VB#			15	15	1.6	0	70	BB57	MD97	
26	ADAC-3BCD	13	M	E	25m			2.0	.80	VB			15	15	1.6	0	50	BB61	MD93a	
27	HDAC-11-1	13	L	GN	25m	1.0u	6.0m	25	19	VB#			15	15	2.8	55	85		MD95a	
28	HDAC-11-3	13	L	GN	25m	1.0u	6.0m	25	19	VB#			15	15	2.8	0	70		MD95a	
29	BDAC-H-1	13	L	E	25m	10u	12m	20	20	VBU#			15	15	2.0	55	85	BB55	MD94	
30	BDAC-H-3	13	L	E	25m	10u	12m	20	20	VBU#			15	15	2.0	0	70	BB55	MD94	
31	877-69C-D1	13	M	CG	25m	20u	100m	20	20	VBU	2.0	.80	15	15	575m	55	125	BB12	MD21	
32	877-69M-D1	13	M	CG	25m	20u	100m	20	20	VBU	2.0	.80	15	15	575m	55	125	BB12	MD17	
33	HDAC-10-1	13	L	GN	50m	1.0u	6.0m	50	19	VB#			15	15	2.8	55	85		MD95a	
34	HDAC-10-3	13	L	GN	50m	1.0u	6.0m	50	19	VB#			15	15	2.8	0	70		MD95a	
35	BDAC-L-1	13	L	E	50m	10u	12m	20	20	VBU#			15	15	2.0	55	85	BB55	MD94	
36	BDAC-L-3	13	L	E	50m	10u	12m	20	20	VBU#			15	15	2.0	0	70	BB55	MD94	
37	HDAC-9-1	13	L	GN	100m	1.0u	6.0m	75	19	VB#			15	15	2.8	55	85		MD95a	
38	HDAC-9-3	13	L	GN	100m	1.0u	6.0m	75	19	VB#			15	15	2.8	0	70		MD95a	
39	877-69C-D2	13	M	CG	100m	20u	100m	20	20	VBU	2.0	.80	15	15	575m	55	125	BB12	MD21	
40	877-69M-D2	13	M	CG	100m	20u	100m	20	20	VBU	2.0	.80	15	15	575m	55	125	BB12	MD17	
41	UDAC-14-1	14	L	A	3.1m	10u		5.0	20	VB#			15	15	1.6	55	85	BB57a	MD97a	
42	UDAC-14-3	14	L	A	3.1m	10u		5.0	20	VB#			15	15	1.6	0	70	BB57a	MD97a	
43	DAC355-4-BCD	16	L	E	1.5m	10u	10m	5.0	10	VU#	2.4	.80	15	15	540m†	0	70	BB108	MD137	
44	DAC327B-16	16	L	B	2.5m	30u	2.5m	20	16	VU	2.4	.80	15	15	1.5	55	125	BB103	MD11e	
45	DAC327B-16-ER	16	L	B	2.5m	30u	2.5m	20	16	VU	2.4	.80	15	15	1.5	55	125	BB103a	MD11e	
46	DAC45-CBI	16	L	BDM	3.0m	50u	3.0m	7.0	20	VBU			15	15	1.9	0	70	BB4	MD9e	
47	DAC45-CCD	16	L	F	3.0m	50u	3.0m	7.0	10	VU			15	15	1.9	0	70	BB4	MD9e	
48	DAC-169-16B1	16	L	AC	5.0m	750n	5.0m	10	2.0m	ABU	2.0	.80	15	15	750m	0	70	BB16	MD34	
49	DAC-169-16D1	16	L	E	5.0m	750n	5.0m	10	1.2m	AU	2.0	.80	15	15	750m†	0	70	BB16a	MD34a	
50	DAC327	17	L	E	10m	30u	10m	20	12	VU	2.0	.80	15	15	925m†	0	70	BB103	MD11e	
51	DAC327B-4D	17	L	F	10m	30u	10m	20	16	VU	2.4	.80	15	15	1.5	55	125	BB103	MD11e	
52	DAC327B-4D-ER	17	L	F	10m	30u	10m	20	16	VU	2.4	.80	15	15	1.5	55	125	BB103a	MD11e	

INTERFACE

12. LOGIC LEVEL CONVERTERS/LEVEL TRANSLATORS

IN ORDER OF: (1)FROM LOGIC (2)TO LOGIC
(3)CKTS. PER DEVICE & (4)TYPE NUMBER

COMPONENT

LINE No.	TYPE NUMBER	CONVERTS			LOGIC FUNCT CODE	No. LOG INP per CKT	MIN. OUTPUT SINK CURRENT		T E C H N	INPUT LOGIC LEVEL		RATED PWR. SUPPLY SPAN		MAX. PROP. DELAY tpd (s)	MAX. OPER. PWR. DISS. (W)	OPER. TEMP.		LOGIC DWG. No.	DRAWINGS OUTLINE DWG. No. Δ-MO
		1	2	3			I (A)	@ Vo (V)		HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)			(-) (°C)	(+) (°C)		
		FROM	TO	CKTS per DEV															
1	CD4041BD	C	DT	4	NIIV	1	19m∅	1.5	CMS	14.9	.05%	0.0	15	50n	500m∅	55	125	BC29	∆001AD
2	CD4041BE	C	DT	4	NIIV	1	19m∅	1.5	CMS	14.9	.05%	0.0	15	50n	500m∅	40	85	BC29	∆001AB
3	CD4041BF	C	DT	4	NIIV	1	19m∅	1.5	CMS	14.9	.05%	0.0	15	50n	500m∅	55	125	BC29	∆001AB
4	CD4041BH	C	DT	4	NIIV	1	19m∅	1.5	CMS	14.9	.05%	0.0	15	50n	500m∅	55	125	BC29	CH8r
5	CD4041BK	C	DT	4	NIIV	1	19m∅	1.5	CMS	14.9	.05%	0.0	15	50n	500m∅	55	125	BC29	∆004AG
6	CD4041BY	C	DT	4	NIIV	1	19m∅	1.5	CMS	14.9	.05%	0.0	15	50n	500m∅	40	85	BC29	∆001AB
7 #	HEF4041P	C	DT	4	NIIV	1	2.0m	.50	CMS	7.0	3.0	0.0	10	20n	400m∅	40	85	BC29	D14-1e
8	CD4009AK	C	DT	6	INV	1	8.0m	.50	CMS	7.0	3.0	0.0	10	55n	5.0u∅	55	125	BC27	∆004AG
9	CD4009AY	C	DT	6	INV	1	8.0m	.50	CMS	9.95	.05%	0.0	10	70n	5.0u∅	40	85	BC27	∆001AC
10	CD4009BD	C	DT	6	INV	1	24m∅	1.5	CMS	14.9	.05%	0.0	15	60n	500m∅	55	125	BC27	∆001AE
11	CD4009BE	C	DT	6	INV	1	24m∅	1.5	CMS	14.9	.05%	0.0	15	60n	500m∅	40	85	BC27	∆001AC
12	CD4009BF	C	DT	6	INV	1	24m∅	1.5	CMS	14.9	.05%	0.0	15	60n	500m∅	55	125	BC27	∆001AC
13	CD4009BH	C	DT	6	INV	1	24m∅	1.5	CMS	14.9	.05%	0.0	15	60n	500m∅	55	125	BC27	CH8p
14	CD4009BK	C	DT	6	INV	1	24m∅	1.5	CMS	14.9	.05%	0.0	15	60n	500m∅	55	125	BC27	∆004AG
15	CD4009BY	C	DT	6	INV	1	24m∅	1.5	CMS	14.9	.05%	0.0	15	60n	500m∅	40	85	BC27	∆001AC
16	CD4009UBK	C	DT	6	INV	1	24m	1.5	CMS	12	3.0	0.0	15	60n	500m∅	55	125	BC27	∆004AG
17	CD4010AK	C	DT	6	NIV	1	8.0m	.50	CMS	7.0	3.0	0.0	10	55n	5.0u∅	55	125	BC28	∆004AG
18	CD4010AY	C	DT	6	NIV	1	8.0m	.50	CMS	9.95	.05%	0.0	10	70n	5.0u∅	40	85	BC28	∆001AC
19	CD4010BK	C	DT	6	NIV	1	24m∅	1.5	CMS	11	4.0	0.0	15	70n	500m∅	55	125	BC28	∆001AG
20	CD4010BY	C	DT	6	NIV	1	24m∅	1.5	CMS	14.9	.05%	0.0	15	70n	500m∅	40	85	BC28	∆001AC
21	CD4049AK	C	DT	6	INV	1	8.0m	.50	CMS	7.0	3.0	0.0	10	55n	5.0u∅	55	125	BC57	∆004AG
22	CD4049AY	C	DT	6	INV	1	8.0m	.50	CMS	7.0	3.0	0.0	10	55n	5.0u∅	40	85	BC57	∆001AC
23	CD4049BD	C	DT	6	INV	1	48m∅	1.5	CMS	14.9	.05%	0.0	15	50n	500m∅	55	125	AA5	∆001AE
24	CD4049BE	C	DT	6	INV	1	48m∅	1.5	CMS	14.9	.05%	0.0	15	50n	500m∅	40	85	AA5	∆001AC
25	CD4049BF	C	DT	6	INV	1	48m∅	1.5	CMS	14.9	.05%	0.0	15	50n	500m∅	55	125	AA5	∆001AC
26	CD4049BH	C	DT	6	INV	1	48m∅	1.5	CMS	14.9	.05%	0.0	15	50n	500m∅	55	125	AA5	CH8q
27	CD4049BK	C	DT	6	INV	1	48m∅	1.5	CMS	14.9	.05%	0.0	15	50n	500m∅	55	125	AA5	∆001AG
28	CD4049BY	C	DT	6	INV	1	48m∅	1.5	CMS	14.9	.05%	0.0	15	50n	500m∅	40	85	AA5	∆001AC
29	CD4049UBK	C	DT	6	INV	1	24m	1.5	CMS	12	3.0	0.0	15	50n	500m∅	55	125	BC57	∆004AG
30	CD4050AK	C	DT	6	NIV	1	8.0m	.50	CMS	7.0	3.0	0.0	10	85n	5.0u∅	55	125	BC58	∆004AG
31	CD4050AY	C	DT	6	NIV	1	8.0m	.50	CMS	7.0	3.0	0.0	10	85n	5.0u∅	40	85	BC58	∆001AC
32	CD4050BK	C	DT	6	NIV	1	24m	1.5	CMS	11	4.0	0.0	15	60n	500m∅	55	125	BC58	∆004AG
33	CD4050BY	C	DT	6	NIV	1	48m∅	1.5	CMS	14.9	.05%	0.0	15	60n	500m∅	40	85	AA6	∆001AC
34	SCL4009AC	C	DT	6	INV	1	35m∅	1.5	CMS	15∅	0.01%	0.0	15	28n∅	300m∅	55	125	BC27	D14-19
35	SCL4009AD	C	DT	6	INV	1	35m∅	1.5	CMS	15∅	0.01%	0.0	15	28n∅	300m∅	55	125	BC27	D14-19a
36	SCL4009AE	C	DT	6	INV	1	35m∅	1.5	CMS	15∅	0.01%	0.0	15	28n∅	300m∅	40	85	BC27	D14-19b
37	SCL4009AF	C	DT	6	INV	1	35m∅	1.5	CMS	15∅	0.01%	0.0	15	28n∅	300m∅	55	125	BC27	F16-6
38	SCL4009AH	C	DT	6	INV	1	35m∅	1.5	CMS	15∅	0.01%	0.0	15	28n∅	300m∅	55	125	BC27	CH∅
39	SCL4010AC	C	DT	6	NIV	1	35m∅	1.5	CMS	15∅	0.01%	0.0	15	28n∅	300m∅	55	125	BC28	D14-19
40	SCL4010AD	C	DT	6	NIV	1	35m∅	1.5	CMS	15∅	0.01%	0.0	15	28n∅	300m∅	55	125	BC28	D14-19a
41	SCL4010AE	C	DT	6	NIV	1	35m∅	1.5	CMS	15∅	0.01%	0.0	15	28n∅	300m∅	40	85	BC28	D14-19b
42	SCL4010AF	C	DT	6	NIV	1	35m∅	1.5	CMS	15∅	0.01%	0.0	15	28n∅	300m∅	55	125	BC28	F16-6
43	SCL4010AH	C	DT	6	NIV	1	35m∅	1.5	CMS	15∅	0.01%	0.0	15	28n∅	300m∅	55	125	BC28	CH∅
44	SCL4049AC	C	DT	6	INV	1	40m∅	1.5	CMS	15∅	0.01%	0.0	15	28n∅	300m∅	55	125	BC57	D14-19
45	SCL4049AD	C	DT	6	INV	1	40m∅	1.5	CMS	15∅	0.01%	0.0	15	28n∅	300m∅	55	125	BC57	D14-19a
46	SCL4049AE	C	DT	6	INV	1	40m∅	1.5	CMS	15∅	0.01%	0.0	15	28n∅	300m∅	40	85	BC57	D14-19b
47	SCL4049AF	C	DT	6	INV	1	40m∅	1.5	CMS	15∅	0.01%	0.0	15	28n∅	300m∅	55	125	BC57	F16-6
48	SCL4049AH	C	DT	6	INV	1	40m∅	1.5	CMS	15∅	0.01%	0.0	15	28n∅	300m∅	55	125	BC57	CH∅
49	SCL4050AC	C	DT	6	NIV	1	40m∅	1.5	CMS	15∅	0.01%	0.0	15	30n∅	300m∅	55	125	BC58	D14-19
50	SCL4050AD	C	DT	6	NIV	1	40m∅	1.5	CMS	15∅	0.01%	0.0	15	30n∅	300m∅	55	125	BC58	D14-19a
51	SCL4050AE	C	DT	6	NIV	1	40m∅	1.5	CMS	15∅	0.01%	0.0	15	30n∅	300m∅	40	85	BC58	D14-19b
52	SCL4050AF	C	DT	6	NIV	1	40m∅	1.5	CMS	15∅	0.01%	0.0	15	30n∅	300m∅	55	125	BC58	F16-6
53	SCL4050AH	C	DT	6	NIV	1	40m∅	1.5	CMS	15∅	0.01%	0.0	15	30n∅	300m∅	55	125	BC58	CH∅
54	CD4041AK	C	T	4	NIIV	1	2.0m	.50	CMS	7.0	3.0	0.0	10	75n	2.0u∅	55	125	BC29	∆004AF
55	CD4041AY	C	T	4	NIIV	1	1.0m	.50	CMS	7.0	3.0	0.0	10	100n	200u∅	40	85	BC29	∆001AB
56	CD4041UBK	C	T	4	NIIV	1	19m	1.5	CMS	12	3.0	0.0	15	50n	500m∅	55	125	BC29	∆004AF
57	CD40109BK	C	DRT	4	NIV	1	3.4m	1.5	CMS	7.0	3.0	0.0	15	580n	240u∅	55	125	BC64	∆004AG
58	N8T90W	DT	HM	6	INV	1	7.2m	.35	TTL	2.0	.60	0.0	5.0	55n	114m	0	70	BC56	F14-8
59	9643DC	DT	M	2	AND	1	10m	.50	TTL	2.0	.80	0.0	12	17n	210m	0	70	BC6a	D14-4c
60	9643PC	DT	M	2	AND	1	10m	.50	TTL	2.0	.80	0.0	12	17n	210m	0	70	BC6a	D14-14
61	ITT75361AJ	DT	M	2	NAND	2	40m	.50	DTL	2.0	.80	0.0	20	55n	340m	0	70	BC7a	D14-1d
62	ITT75361AN	DT	M	2	NAND	2	40m	.50	DTL	2.0	.80	0.0	20	55n	340m	0	70	BC7a	D14-1c
63	ITT75361AP	DT	M	2	NAND	2	40m	.50	DTL	2.0	.80	0.0	20	55n	340m	0	70	BC7	D08-4d
64	9645DC	DT	M	4	INV	1	5.0m	.45	TTL	2.0	.80	0.0	12	11n∅	373m	0	70	BC21	D16-7g
65	9645PC	DT	M	4	INV	1	5.0m	.45	TTL	2.0	.80	0.0	12	11n∅	373m	0	70	BC21	D16-14
66	ITT75365J	DT	M	4	NAND	3	40m	.50	DTL	2.0	.80	0.0	20	48n	510m	0	70	BC8	D16-2d
67	ITT75365N	DT	M	4	NAND	3	40m	.50	DTL	2.0	.80	0.0	20	48n	510m	0	70	BC8	D16-2c
68	N8T80A	DT	M	4	NAND	2	20m	1.0	TTL	2.0	.60	0.0	5.0	55n	80m	0	70	BC55	D14-1a
69	N8T80W	DT	M	4	NAND	2	20m	1.0	TTL	2.0	.60	0.0	5.0	55n	80m	0	70	BC55a	D14-4d
70	N8T90A	DT	M	6	INV	1	7.2m	.35	TTL	2.0	.60	0.0	5.0	55n	120m	0	70	BC56a	F14-2d
71	N8T18A	H	T	2	NAND	2	7.2m	.35	TTL	9.0	6.5	0.0	24	20n	88m	0	75	BC54a	D14-1a
72	N8T18W	H	T	2	NAND	2	7.2m	.35	TTL	9.0	6.5	0.0	24	20n	88m	0	75	BC54	F14-2d
73 #	SP1039	K	D	4	OR	2	2.5m	-1.5	ECL	-1.0	-1.3	5.2	0.0	12n∅	200m∅	0	75	BC22	D16-7e
74 #	SP1239	K	D	4	OR	2	2.5m	-1.5	ECL	-1.0	-1.3	5.2	0.0	12n∅	200m∅	55	125	BC22	D16-7e
75	9625FM	M	T	2	NIV	1	1.5m	.50	TTL	-3									

15. ANALOG GATE SWITCHES: BILATERAL, MULTIPLE

IN ORDER OF: (1) SWITCH FORM (2) SWTS PER CKT (3) CKTS PER DEV (4) APP SW V (5) Rds & (6) TYPE No.

LINE No.	6	TYPE NUMBER	1 SW-FORM		3	4		5			T	CONTROL LOGIC LEVEL		RATED SUPPLY SPAN		MAX. ON TIME (s)	MAX. OPERATE PWR.		OPER. TEMP.		DRAWINGS		
			A-SSNO	B-SSNC		2	SW. P-P (V)	SW. CURR. (A)	DRAIN/SOURCE ON RESISTANCE	Rds @ VD (Ω)		@ Is (V)	@ Is (A)	E C H N	HIGH (min) (V)		LOW (max) (V)	NEG. (V)	POS. (V)	PWR. (W)	DISS. (W)	(-) (°C)	(+) (°C)
1		SCH4016BH																					
2		DGM111BL	A	1	2	20	30mΩ	250	10	1.0m	PMS	4.1t	.50t	20	10	300n	750mΩ	20	85	CA61	F14-4a		
3		SFF154	A	1	2	20	30mΩ	800	-10	1.0m	PMS	5.0Δ		20	10	200mΩ	20	70	CA32	TO99			
4		SFF154M	A	1	2	20	30mΩ	800	-10	1.0m	PMS	5.0Δ		20	10	200mΩ	55	125	CA32	TO99			
5		DG200AP	A	1	2	22	20m	75	10	1.0m	CMS	2.4	.80	15	15	1.0u	450mΩ	55	125	CA34j	D16-20		
6		DG200BP	A	1	2	22	20m	100	10	1.0m	CMS	2.4	.80	15	15	1.0u	450mΩ	0	70	CA34j	D16-20		
7		H13-200-2	A	1	2	30		70	10	1.0m	CMS	3.0	.80	15	15	500n	15mΩ	55	125	CA58a	TO100		
8		H13-200-4	A	1	2	30		70	10	1.0m	CMS	3.0	.80	15	15	500n	15mΩ	20	85	CA58a	TO100		
9		H19-200-4	A	1	2	30		70	10	1.0m	CMS	3.0	.80	15	15	500n	15mΩ	20	85	CA58	TO86		
10		H19-200-5	A	1	2	30		80	10	1.0m	CMS	3.0	.80	15	15	240n	15mΩ	0	75	CA58	TO86		
11		SFF155	A	1	3	20		800	-10	1.0m	PMS	5.0Δ		20	10	200mΩ	0	70	CA33	TO100			
12		SFF155M	A	1	3	20		800	-10	1.0m	PMS	5.0Δ		20	10	200mΩ	55	125	CA33	TO100			
13		SW02FP	A	1	4			100	0.0	1.0m	TTL	2.0	.80	15	15	400n	0	70		D16-13e			
14		SW04FP	A	1	4			100	0.0	1.0m	TTL	2.0	.80	15	15	400n	0	70		D16-13e			
15		CD4066BK	A	1	4	15	20mΩ	100	0.0	1.0m	CMS	6.75t	0.0t	0.0	15	15n	150n	55	125	CA27a	Δ004AF		
16		CD4066AK	A	1	4	15	1.5m	500	10	1.0m	CMS	10	0.0	0.0	10	25n	500mΩ	55	125	CA27	Δ004AF		
17		CD4066AY	A	1	4	15	1.5m	500	10	1.0m	CMS	10	0.0	0.0	10	25n	500mΩ	40	85	CA27	Δ001AB		
18		HEF4066P	A	1	4	15		500	10	1.0m	CMS	7.0	3.0	0.0	10	4.0n	300u	40	85	CA155	D14-1e		
19		CD4016AK	A	1	4	15	15m	660	10	1.0m	CMS	2.7Δ	.50*	0.0	10	25n	500mΩ	55	125	CA27	Δ004AF		
20		CD4016AY	A	1	4	15	15m	660	10	1.0m	CMS	2.7Δ	.50*	0.0	10	25n	500mΩ	40	85	CA27	Δ001AB		
21		HEF4016P	A	1	4	15		660	10	1.0m	CMS	7.0	3.0	0.0	10	16n	80u	40	85	CA155	D14-1e		
22		SFF24016AEV	A	1	4	15	Δ	850	9.3		CMS	2.7Δ	.50*	0.0	15	20n	200mΩ	40	85	CA29	TO116		
23		SFF24016AKM	A	1	4	15	Δ	850	9.3		CMS	2.7Δ	.50*	0.0	15	20n	200mΩ	55	125	CA29	TO116		
24		CD4016BK	A	1	4	20	20mΩ	400	15	10k	CMS	2.0	0.0t	0.0	15	30n	15u	55	125	CA27	Δ004AF		
25		H19-201-4	A	1	4	30		100	10	1.0m	CMS	3.0	.80	15	15	500n	15mΩ	20	85	CA59	F16-3a		
26		H19-201-5	A	1	4	30		100	10	1.0m	CMS	3.0	.80	15	15	185n	15mΩ	0	75	CA59	F16-3a		
27		DGM122BL	A	2	2	20	30mΩ	500	10	1.0m	PMS	1.3	.40t	20	10	500n	750mΩ	20	85	CA62	F14-4a		
28		SD5200	A	4	4	20		80	5.0	1.0m	NMS	2.0	0.5	15	15	1.0n	640m	0	85	CA182			
29		IH501MDD	A	5	1	20		100	1.5	2.0m	TTL	1.5	11	0.0	15	500n	500m	55	125	CA36	D14-30		
30		IH501MPD	A	5	1	20		500p	100	1.5	2.0m	TTL	1.5	11	0.0	15	500n	500m	55	125	CA36	D14-13	
31		IT7335CDE	A	5	1	20		500p	100	1.5	2.0m	TTL	1.5	11	0.0	15	500n	500m	0	70	CA36	D14-13	
32		ITS7319CPD	A	5	1	20		500p	100	1.5	2.0m	TTL	1.5	11	0.0	15	500n	500m	0	70	CA36	D14-13	
33		ITS7327CDA	A	5	1	20		500p	100	1.5	2.0m	TTL	1.5	11	0.0	15	500n	500m	0	70	CA36	D08-11	
34		ITS7327CPA	A	5	1	20		500p	100	1.5	2.0m	TTL	1.5	11	0.0	15	500n	500m	0	70	CA36	D08-11	
35		ITS7335CDA	A	5	1	20		500p	100	1.5	2.0m	TTL	1.5	11	0.0	15	500n	500m	0	70	CA36	D08-11	
36		TH5021MDA	A	5	1	20		500p	100	1.5	2.0m	TTL	1.5	11	0.0	15	500n	500m	55	125	CA36	D08-11	
37		TH5021MDD	A	5	1	20		500p	100	1.5	2.0m	TTL	1.5	11	0.0	15	500n	500m	55	125	CA36	D14-30	
38		TH5021MDE	A	5	1	20		500p	100	1.5	2.0m	TTL	1.5	11	0.0	15	500n	500m	55	125	CA36	D14-13	
39		TH5021MPD	A	5	1	20		500p	100	1.5	2.0m	TTL	1.5	11	0.0	15	500n	500m	55	125	CA36	D14-13	
40		TH5021MPE	A	5	1	20		500p	100	1.5	2.0m	TTL	1.5	11	0.0	15	500n	500m	55	125	CA36	D14-13	
41		SFF1115K	A	6	1	20		100mΩ	450	-20	1.0m	PMS	-5.0Δ	-1.0*	30	.30	750mΩ	55	125	CA48	D16-13a		
42		UC6410D	A	6	1	40		50mΩ	250	-20	100u	PMS	0.0t	-20t	20	0.0	15n	900mΩ	55	125	CA114	D14-1e	
43		UC6410F	A	6	1	40		50mΩ	250	-20	100u	PMS	0.0t	-20t	20	0.0	15n	900mΩ	55	125	CA114	F14-2c	
44		UC7410D	A	6	1	40		50mΩ	250	-20	100u	PMS	0.0t	-20t	20	0.0	15n	900mΩ	0	70	CA114	D14-1e	
45		UC7410F	A	6	1	40		50mΩ	250	-20	100u	PMS	0.0t	-20t	20	0.0	15n	900mΩ	0	70	CA114	F14-2c	
46		MX01C	A	8	1	30		10u	500	10m	MOS	-6.0	0.0	30	0.0			55	125	CA83	FPZ		
47		DG171AA	A	1	1	20		20mΩ	100	10	10m	PMS	2.0t	.80t	20	10	200n	450mΩ	55	125	CA66	CN4a	
48		DG171BA	A	1	1	20		20mΩ	125	10	10m	PMS	2.0t	.80t	20	10	200n	450mΩ	20	85	CA66	CN4a	
49		DG151BL	A	1	2	15	30m	20	5.5	10m	NMS	2.5	.80	15	15	1.5u	750mΩ	20	85	CA92	F14-4a		
50		DG152BL	A	1	2	15	30m	100	5.5	10m	NMS	2.5	.80	15	15	1.0u	750mΩ	20	85	CA92	F14-4a		
51		DG141BL	A	1	2	20	30m	15	8.0	10m	NMS	2.5	.80	18	12	1.5u	750mΩ	20	85	CA92	F14-4a		
52		DG180BLΔ	A	1	2	20	200mΩ	15	7.5	10m	NMS	2.0	.80	15	15	350n	750mΩ	20	85	CA95a	F14-4a		
53		DG133BL	A	1	2	20	30m	50	10	10m	NMS	2.5t	.80t	18	12	1.0u	750mΩ	20	85	CA92	F14-4a		
54		DG181BLΔ	A	1	2	20	30mΩ	50	7.5	10m	NMS	2.0	.80	15	15	180n	750mΩ	20	85	CA95a	F14-4a		
55		DG134BL	A	1	2	20	30m	100	8.0	10m	NMS	2.5t	.80t	18	12	1.0u	750mΩ	20	85	CA92	F14-4a		
56		DG182BLΔ	A	1	2	20	30mΩ	100	10	10m	NMS	2.0	.80	15	15	300n	750mΩ	20	85	CA95a	F14-4a		
57		DG200BL	A	1	2	30	20mΩ	80	10	1.0m	CMS	2.4	.80	15	15	1.0u	750mΩ	20	85	CA71a	F14-4a		
58		DG201AL	A	1	4	30	20mΩ	175	10	1.0m	CMS	2.4	.80	15	15	1.0u	750mΩ	55	125	CA69a	FP17		
59		DG201BL	A	1	4	30	20mΩ	200	10	1.0m	CMS	2.4	.80	15	15	580n	750mΩ	20	85	CA69a	FP17		
60		DG153BL	A	2	2	15	30m	20	5.5	10m	NMS	2.5	.80	15	15	1.5u	750mΩ	20	85	CA91	F14-4a		
61		DG154BL	A	2	2	15	30m	100	5.5	10m	NMS	2.5	.80	15	15	1.0u	750mΩ	20	85	CA91	F14-4a		
62		DG140BL	A	2	2	20	30m	15	8.0	10m	NMS	2.5	.80	18	12	1.5u	750mΩ	20	85	CA91	F14-4a		
63		DG183BLΔ	A	2	2	20	30mΩ	15	7.5	10m	NMS	2.0	.80	15	15	350n	750mΩ	20	85	CA96	F14-4a		
64		DG184BLΔ	A	2	2	20	30mΩ	50	7.5	10m	NMS	2.0	.80	15	15	180n	750mΩ	20	85	CA96	F14-4a		
65		DG126BL	A	2	2	20	30m	100	8.0	10m	NMS	2.5t	.80t	18	12	1.0u	750mΩ	20	85	CA91	F14-4a		
66		DG185BLΔ	A	2	2	20	30mΩ	100	8.0	10m	NMS	2.0	.80	15	15	300n	750mΩ	20	85	CA96	F14-4a		
67		CD22100K	A*	4	4	12	10m	85	12	10k	CMS			0.0	12	200n	240n	55	125	CA160	Δ004AG		
68		MT8804BF	A*	4	8	18	Δ	90	10	10m	CMS			0.0	10	400n	1.0u	55	125	CA167	DLZ		
69		MX55C	A*	4	1	16	Δ	75	15	1.0m	MOS	4.8	1.0	16	0.0	300n	90m	25	75	CA88	FP36		
70		MX54C	A*	4	1	30		50	15	1.0m	MOS	9.0	2.5	30	0.0	400n	200m	25	75	CA88	FP36		
71		S1552BL	A	1	4	20		600	10	1.0m	PMS	5.0Δ		20	10	750mΩ	20	8					

15. ANALOG GATE SWITCHES: BILATERAL MULTIPLE

IN ORDER OF: (1) SWITCH FORM (2) SWTs PER CKT (3) CKTS PER DEV (4) PP SW V (5) Rds & (6) TYPE No.

INTERPRETER

LINE No.	TYPE NUMBER	1 SW-FORM			3 CKT PER DEV	4 MAXIMUM SW. VOLT. P-P			5 MAXIMUM DRAIN/SOURCE ON RESISTANCE			T E C H N	CONTROL LOGIC LEVEL		RATED PWR. SUPPLY SPAN		MAX. ON TIME (s)	MAX. OPERATE PWR. DISS. (W)	OPER. TEMP.		DRAWINGS	
		A-SSNO	B-SSNC	C-SPDT		SW. CURR. P-P	Rds (Ω)	@ VD (V)	@ Is (A)	HIGH (min) (V)	LOW (max) (V)		NEG. (V)	POS. (V)	(-)	(+)			LOGIC DWG. No.	OUTLINE DWG. No.		
		SWTS PER CKT	VOLT. (V)	(A)		(Ω)	(V)	(A)	(V)	(V)	(V)		(V)	(°C)	(°C)							
1	G118BL	A0	6	1	20	100m	500	500	1.0m	PMS	0.0†	-20†	20	0.0	750m	20	85	CA46	F14-4a			
2 #	SFF1115KT	A0	6	1	20	100m	500	500	1.0m	PMS	-5.0Δ\$	-1.0*	30	30	750m	25	85	CA48	D16-13a			
3 #	SFF1115PT	A0	6	1	20	100m	500	500	1.0m	PMS	-5.0Δ\$	-1.0*	30	30	750m	25	85	CA48	F16-2			
4 #	SFF1117KT	A0	6	1	20	100m	500	500	1.0m	PMS	-5.0Δ\$	-1.0*	30	30	750m	25	85	CA45	T0116			
5 #	SFF1117PT	A0	6	1	20	100m	500	500	1.0m	PMS	-5.0Δ\$	-1.0*	30	30	750m	25	85	CA45	T086			
6 #	SFF1118KT	A0	6	1	20	100m	500	500	1.0m	PMS	-5.0Δ\$	-1.0*	30	30	750m	25	85	CA46	T0116			
7 #	SFF1118PT	A0	6	1	20	100m	500	500	1.0m	PMS	-5.0Δ\$	-1.0*	30	30	750m	25	85	CA46	T086			
8 #	SFF153E	A0	6	1	20		4.0k	-10	1.0m	PMS	-5.0Δ\$	-2.8	20	10	300m	0	70	CA52	T0116			
9 #	SFF153K	A0	6	1	20		4.0k	-10	1.0m	PMS	-5.0Δ\$	-2.8	20	10	300m	0	70	CA52	T0116			
10 #	SFF153KM	A0	6	1	20		4.0k	-10	1.0m	PMS	-5.0Δ\$	-2.8	20	10	300m	55	125	CA52	T0116			
11	MX02D	A0	6	1	30	10u	500 †		10m	MOS	-6.0\$	0.0	30	0.0		55	125	CA84	DLZ			
12	MX52D	A0	6	1	30	10u	500 †		10m	MOS	-6.0\$	0.0	30	0.0		25	75	CA87	FP35			
13	MX03C	A0	10	1	30	10u	500 †		10m	MOS	-6.0\$	0.0	30	0.0		55	125	CA85	FPZ			
14	MX53C	A0	10	1	30	10u	500 †		10m	MOS	-6.0\$	0.0	30	0.0		25	75	CA86	FP34			
15	DG187BLΔ	AAZ	2	1	20	30m	50	7.5	10m	NMS	2.0	.80	15	15	180n	20	85	CA97a	F14-4a			
16	DG161BL	ABZ	2	1	15	30m	20	5.5	10m	NMS	3.0	2.0	15	15	1.5u	20	85	CA94	F14-4a			
17	DG162BL	ABZ	2	1	15	30m	100	5.5	10m	NMS	3.0	2.0	15	15	1.0u	20	85	CA94	F14-4a			
18	DG146BL	ABZ	2	1	20	30m	15	8.0	10m	NMS	3.0	2.0	18	12	1.5u	20	85	CA94	F14-4a			
19	DG186BLΔ	ABZ	2	1	20	200m	15	7.5	10m	NMS	2.0	.80	15	15	350n	20	85	CA97a	F14-4a			
20	DG144BL	ABZ	2	1	20	30m	50	8.0	10m	NMS	3.0	2.0	18	12	1.0u	20	85	CA94	F14-4a			
21	DG143BL	ABZ	2	1	20	30m	100	8.0	10m	NMS	3.0	2.0	18	12	1.0u	20	85	CA94	F14-4a			
22	DG188BLΔ	ABZ	2	1	20	30m	100	10	10m	NMS	2.0	.80	15	15	300n	20	85	CA97a	F14-4a			
23	DG301AL	ABZ	2	1	32	30m	50	10	10m	CMS	4.0	.80	15	15	300n	55	125	CA102	F14-14			
24	DG301BL	ABZ	2	1	32	30m	50	10	10m	CMS	4.0	.80	15	15	300n	20	85	CA102	F14-14			
25	DG305AL	ABZ	2	1	32	30m	50	10	10m	CMS	11	3.5	15	15	250n	55	125	CA102	F14-14			
26	DG305BL	ABZ	2	1	32	30m	50	10	10m	CMS	11	3.5	15	15	250n	20	85	CA102	F14-14			
27	DG189BLΔ	ABZ	2	2	20	30m	15	7.5	10m	NMS	2.0	.80	15	15	350n	20	85	CA98	F14-4a			
28	DG190BLΔ	ABZ	2	2	20	30m	50	7.5	10m	NMS	2.0	.80	15	15	180n	20	85	CA98	F14-4a			
29	DG191BLΔ	ABZ	2	2	20	30m	100	10	10m	NMS	2.0	.80	15	15	300n	20	85	CA98	F14-4a			
30	H19-5051-5	AB	2	2	30	80m	25 †	10	1.0m	CMS	3.0	.80	15	15	370n†	0	75	CA35i	T086			
31	DG303AL	ABZ	2	2	32	30m	50	10	10m	CMS	4.0	.80	15	15	300n	55	125	CA104	F14-14			
32	DG303BL	ABZ	2	2	32	30m	50	10	10m	CMS	4.0	.80	15	15	300n	20	85	CA104	F14-14			
33	DG307AL	ABZ	2	2	32	30m	50	10	10m	CMS	11	3.5	15	15	250n†	55	125	CA104	F14-14			
34	DG307BL	ABZ	2	2	32	30m	50	10	10m	CMS	11	3.5	15	15	250n	20	85	CA104	F14-14			
35	DG163BL	ABZ	4	1	15	30m	20	5.5	10m	NMS	3.0	2.0	15	15	1.5u	20	85	CA93	F14-4a			
36	DG164BL	ABZ	4	1	15	30m	100	5.5	10m	NMS	3.0	2.0	15	15	1.0u	20	85	CA93	F14-4a			
37	DG145BL	ABZ	4	1	20	30m	15	8.0	10m	NMS	3.0	2.0	18	12	1.5u	20	85	CA93	F14-4a			
38	DG139BL	ABZ	4	1	20	30m	50	8.0	10m	NMS	3.0	2.0	18	12	1.0u	20	85	CA93	F14-4a			
39	DG142BL	ABZ	4	1	20	30m	100	8.0	10m	NMS	3.0	2.0	18	12	1.0u	20	85	CA93	F14-4a			
40	H19-5046A-5	AB	4	1	30	80m	25 †	10	1.0m	CMS	3.0	.80	15	15	370n†	0	75	CA35p	T086			
41	H19-5046-5	AB	4	1	30	80m	50 †	10	1.0m	CMS	3.0	.80	15	15	370n†	0	75	CA35p	T086			
42	H19-5040-5	B	1	1	30	80m	50 †	10	1.0m	CMS	3.0	.80	15	15	370n†	0	75	CA35	T086			
43	H19-5048-5	B	1	2	30	80m	25 †	10	1.0m	CMS	3.0	.80	15	15	370n†	0	75	CA35c	T086			
44	H19-5041-5	B	1	2	30	80m	50 †	10	1.0m	CMS	3.0	.80	15	15	370n†	0	75	CA35c	T086			
45	SW01FP	B	1	4		100	0.0	1.0m	TTL	2.0	.80	15	15	400n	0	70		D16-13e				
46	SW03FP	B	1	4		150	0.0	1.0m	TTL	2.0	.80	15	15	500n	0	70		D16-13e				
47	SW201FP	B	1	4		45	10		NMS			0.0	10		55	125	CA109	F14-4d				
48	G128AF	B	1	4	30	45	10		NMS			0.0	10		55	125	CA109	D14-2a				
49	G128AP	B	1	4	30	45	10		NMS			0.0	10		55	125	CA110	F14-4d				
50	G132AF	B	1	4	30	45	10		NMS			0.0	10		55	125	CA109	F14-4d				
51	G128BF	B	1	4	30	50	10		NMS			0.0	10		55	125	CA109	F14-4d				
52	G128BP	B	1	4	30	50	10		NMS			0.0	10		55	125	CA109	D14-2a				
53	G127AF	B	1	4	30	90	10		NMS			0.0	10		55	125	CA109	F14-4d				
54	G131AF	B	1	4	30	90	10		NMS			0.0	10		55	125	CA110	F14-4d				
55	G126AF	B	1	4	30	250	10		NMS			0.0	10		55	125	CA109	F14-4d				
56	G130AF	B	1	4	30	250	10		NMS			0.0	10		55	125	CA110	F14-4d				
57	G125AF	B	1	4	30	500	10		NMS			0.0	10		55	125	CA109	F14-4d				
58	G129AF	B	1	4	30	500	10		NMS			0.0	10		55	125	CA110	F14-4d				
59	H19-5044-5	B	2	1	30	80m	50 †	10	1.0m	CMS	3.0	.80	15	15	370n†	0	75	CA35k	T086			
60	H19-5049-5	B	2	2	30	80m	25 †	10	1.0m	CMS	3.0	.80	15	15	370n†	0	75	CA35n	T086			
61	H19-5045-5	B	2	2	30	80m	50 †	10	1.0m	CMS	3.0	.80	15	15	370n†	0	75	CA35n	T086			
62	H19-5047A-5	B	4	1	30	80m	25 †	10	1.0m	CMS	3.0	.80	15	15	370n†	0	75	CA35r	T086			
63	H19-5047-5	B	4	1	30	80m	50 †	10	1.0m	CMS	3.0	.80	15	15	370n†	0	75	CA35r	T086			
64	IHS024CDA	B	5	1	20	500p	100	1.5	2.0m	TTL	1.5	11	0.0	15	500n	500m	0	70	CA36	D08-11		
65	ITS7334CPA	B	5	1	20	500p	100	1.5	2.0m	TTL	1.5	11	0.0	15	500n	500m	0	70	CA36	D08-11		
66	ITS57320MDD	B	5	1	20	500p	100	1.5	2.0m	TTL	1.5	11	0.0	15	500n	500m	55	125	CA36	D14-30		
67	ITS73334CDA	B	5	1	20	500p	100	1.5	2.0m	TTL	1.5	11	0.0	15	500n	500m	0	70	CA36	D08-11		
68	DG300AL	BZ	1	2	3																	

16. ANALOG MULTIPLEXERS

IN ORDER OF: (1)CKTS. PER DEVICE
(2)INPUT CHAN./CKT (3)MAX.SW.V.&(4)TYPE No.

LINE No.	TYPE NUMBER	1 CKTS. PER DEV -ICE	2 No. INPUT CHAN PER CKT.	3 MAXIMUM SW. P-P			4 MAXIMUM DRAIN/SOURCE ON RESISTANCE			T E C H N I C S	CONTROL LOGIC LEVEL		RATED PWR. SUPPLY SPAN		MAX. PROP. DELAY tpd (s)	MAX. OPERATE PWR. DISS. (W)	OPER. TEMP.		DRAWINGS	
				VOLT. P-P (V)	CURR. P-P (A)	Rds (Ω)	@ VD (V)	@ Is (A)	HIGH (min) (V)		LOW (max) (V)	NEG. (V)	POS. (V)	(-) (°C)			(+) (°C)	LOGIC DWG. No.	OUTLINE DWG. No. Δ = MO	
1	SI3705143P	1	8	5.0	20m	150	5.0	1.0m	PMS	3.5	.60	20	5.0	1.2u	900m	55	85	CB37	D16-25	
2	SI3705193P	1	8	5.0	20m	150	5.0	1.0m	PMS	3.5	.60	20	5.0	1.2u	900m	0	70	CB37	D16-25	
3#	SFF160K	1	8	10		300	-15	100u	PMS	3.0	2.8	24	7.0		175m	0	70	CB19	D16-13a	
4#	SFF160KM	1	8	10		300	-15	100u	PMS	3.0	2.8	24	7.0		175m	55	125	CB19	D16-13a	
5#	SFF160KT	1	8	10		300	-15	100u	PMS	3.0	2.8	24	7.0		175m	25	85	CB19	D16-13a	
6	SI3705142P	1	8	10	20m	400	-5.0	1.0m	PMS	3.5	.60	20	5.0	1.2u	900m	55	85	CB37	D16-25	
7#	HEF4051P	1	8	15		65	10		CMS	7.0	3.0	0.0	10	7.0n	14m	40	85	CB49	D16-2g	
8	CD4051BK	1	8	15		25m	280	15	CMS	1.1	4.0	0.0	15	11n	500m	55	125	CB24	Δ004AG	
9	MMD-8	1	8	20						4.0	.80	15	15	1u	600m	0	70	CB8	MD48	
10	MMUX-1	1	8	20	10m							15	15			55	85	CA157	MD164	
11	MMUX-2	1	8	20	10m							15	15			25	70	CA157	MD164	
12	MMUX-3	1	8	20	10m							15	15			0	50	CA157	MD164	
13	MM-8	1	8	20	30m	300	†	10	10M	MOS	2.0	.80	20	15	300n	355m	0	70	CB6	MD46
14	MPM8S	1	8	20	10m	1.0k			MOS	2.0	.80	15	15	200n	815m	0	70	CB1	MD5d	
15	MUX88AQ	1	8	22	25m	260		0.0	100u	BFT	2.0	.80	15	15	1.3u	237m	55	125	CB53	D16-13e
16	MUX88BQ	1	8	22	25m	370		0.0	100u	BFT	2.0	.80	15	15	2.1u	165m	55	125	CB53	D16-13e
17	DG508BL	1	8	30	20m	450		10	200u	CMS	2.4	.80	15	15	600n	750m	20	85	CB40	FP17
18	MUX202-M/B	1	8	30		1.5k		10	100u	CMS	4.0	.80	15	15	4.0n	37m	55	125	CB40	D16-5a
19	MUX202-M/C	1	8	30		1.5k		10	100u	CMS	4.0	.80	15	15	4.0n	37m	55	125	CB40	D16-5a
20	MUX203	1	8	30		1.8k		10	100u	CMS	4.0	.80	15	15	4.0n	37m	0	70	CB40	D16-5a
21	MK516IN	1	16			3.0k			CMS	3.5	1.5	0.0	5.0	2.5u	500m	40	85	CB72	D40-10	
22	MK516IP	1	16			3.0k			CMS	3.5	1.5	0.0	5.0	2.5u	500m	40	85	CB72	D40-7	
23	MK516OP	1	16			3.0k			CMS	3.5	1.5	0.0	5.0	2.5u	500m	0	70	CB72	D40-7	
24	CM4108AD	1	16	5.0	100u	1.2k	-5.0	17u	CMS	-1.5	-4.2	15	0.0	200n	600m	55	125	CB42	DL	
25	CM4108AE	1	16	5.0	100u	1.2k	-5.0	17u	CMS	-1.5	-4.2	15	0.0	200n	600m	40	85	CB42	DL	
26	CM4108AF	1	16	5.0	100u	1.2k	-5.0	17u	CMS	-1.5	-4.2	15	0.0	200n	600m	55	125	CB42	DL	
27#	HEF4067P	1	16	15		120		10	CMS	7.0	3.0	0.0	10	7.0n	14m	40	85	CB52	D24-4c	
28	CD4067BK	1	16	15	25m	280		15	CMS	1.1	4.0	0.0	15	190n	300u	55	125	CB55	F24-7	
29	MM-16	1	16	20		2.0k				4.0	.80	15	15	500n	600m	0	70	CB7	MD47	
30	MM-16-1	1	16	20	10m	2.0k			MOS	4.0	.80	15	15	300n	180m	0	70	CB7a	MD47	
31	MUX204	1	16	30		1.8k		10	100u	CMS	4.0	.80	15	15	4.0n	105m	0	70	CB14a	D28-1
32#	HEF4052P	2	4	15		65		10	CMS	7.0	3.0	0.0	10	7.0n	14m	40	85	CB50	D16-2g	
33	CD4052BK	2	4	15	25m	280		15	CMS	1.1	4.0	0.0	15	11n	500m	55	125	CB25	Δ004AG	
34	DG509BL	2	4	30	20m	450		10	200u	CMS	2.4	.80	15	15	600n	750m	20	85	CB41	FP17
35	CD4097BK	2	8	15	25m	280		15	CMS	1.1	4.0	0.0	15	190n	300u	55	125	CB56	F24-7	
36#	HEF4053P	3	2	15		120		10	CMS	7.0	3.0	0.0	10	7.0n	14m	40	85	CB51	D16-2g	
37	CD4053BK	3	2	15	25m	280		15	CMS	1.1	4.0	0.0	15	11n	500m	55	125	CB26	Δ004AG	

INTERFACE

17. DIGITAL MULTIPLEXERS/SELECTORS

IN ORDER OF: (1)CKTS/DEVICE
(2)INPUT CHAN/CKT (3)MIN. I(SINK)&(4)TYPE No

INTERFACE

LINE No.	TYPE NUMBER	1 CKTS. PER DEVICE %	2 No. INPUT CHANN PER CKT.	No. OF ADDRESS LINES	T E C H N I C A L	3 MIN. OUTPUT CURRENT		INPUT LOGIC LEVEL		RATED PWR. SUPPLY SPAN		MAX. PROP. DELAY tpd (s)	MAX. OPERATE PWR. DISS. (W)	OPER. TEMP.		DRAWINGS	
						I (A)	Vo (V)	HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)			(-) (°C)	(+) (°C)	LOGIC DWG. No.	OUTLINE DWG. No. Δ-MO
1	SN74LS354N	1	8	8	TTL	3.4m	1.5	2.0	80	0.0	5.0	41n	300μ	55	70	CC82	D14-8
2	CD4512BK	1	8	8	CMS	4.0m	4.0	2.0	80	0.0	15	110n	52m	55	125	CC14	A004AG
3	25LS151JC	1	8	8	TTL	4.0m	4.0	2.0	70	0.0	5.0	41n	55m	55	125	CC11a	D16-7w
4	25LS151JM	1	8	8	TTL	4.0m	4.0	2.0	80	0.0	5.0	41n	55m	55	125	CC11a	D16-7w
5	25LS151WC	1	8	8	TTL	4.0m	4.0	2.0	80	0.0	5.0	41n	52m	0	70	CC11a	F16-3b
6	25LS151WM	1	8	8	TTL	4.0m	4.0	2.0	70	0.0	5.0	41n	55m	55	125	CC11a	F16-3b
7	25LS251JC	1	8	8	TTL	4.0m	4.0	2.0	80 ^s	0.0	5.0	44n	52m	0	70	CC11c	D16-7w
8	25LS251JM	1	8	8	TTL	4.0m	4.0	2.0	70 ^s	0.0	5.0	44n	55m	55	125	CC11c	D16-7w
9	25LS251WC	1	8	8	TTL	4.0m	4.0	2.0	80 ^s	0.0	5.0	44n	52m	0	70	CC11c	F16-3b
10	25LS251WM	1	8	8	TTL	4.0m	4.0	2.0	70 ^s	0.0	5.0	44n	55m	55	125	CC11c	F16-3b
11	54LS151J	1	8	8	TTL	4.0m	4.0	2.0	70	0.0	5.0	43n	50m	55	125	CC11a	D16-7j
12	54LS151W	1	8	8	TTL	4.0m	4.0	2.0	70	0.0	5.0	43n	50m	55	125	CC11a	F16-3b
13	54LS152J	1	8	8	TTL	4.0m	4.0	2.0	70	0.0	5.0	32n	45m	55	125	CC12a	D14-4e
14	54LS152W	1	8	8	TTL	4.0m	4.0	2.0	70	0.0	5.0	32n	45m	55	125	CC12a	F14-9
15	54LS251BL	1	8	8	TTL	4.0m	4.0	2.0	70	0.0	5.0	25n	60m	55	125	CC11a	CH20
16	N74LS151B	1	8	8	TTL	4.0m	5.0	2.0	80	0.0	5.0	50n	50m	0	70	CC11a	D16-2a
17	N74LS251B	1	8	8	TTL	4.0m	4.0	2.0	80 ^s	0.0	5.0	45n	60m	0	70	CC11c	D16-2a
18	SFC4151LSEM	1	8	8	TTL	4.0m	4.0	2.0	80	0.0	5.0	50n	50m	55	125	CC11a	D16-13a
19	SFC4251LSEM	1	8	8	TTL	4.0m	4.0	2.0	80	0.0	5.0	45n	60m	55	125	CC25	D16-13a
20	74LS151J	1	8	8	TTL	8.0m	5.0	2.0	80	0.0	5.0	20n	50m	0	70	CC11a	D16-7w
21	74LS151W	1	8	8	TTL	8.0m	5.0	2.0	80	0.0	5.0	20n	50m	0	70	CC11a	F16-3b
22	74LS152J	1	8	8	TTL	8.0m	5.0	2.0	80	0.0	5.0	20n	45m	0	70	CC12a	D14-4
23	74LS152W	1	8	8	TTL	8.0m	5.0	2.0	80	0.0	5.0	20n	45m	0	70	CC12a	F14-13
24	74LS251J	1	8	8	TTL	8.0m	5.0	2.0	80	0.0	5.0	25n	60m	0	70	CC11c	D16-7w
25	74LS251W	1	8	8	TTL	8.0m	5.0	2.0	80	0.0	5.0	25n	60m	0	70	CC11c	F16-3b
26	ITT74LS151N	1	8	8	TTL	8.0m	5.0	2.0	80	0.0	5.0	43n	50m	0	70	CC1	D16-2c
27	SFC4151LSE	1	8	8	TTL	8.0m	5.0	2.0	80	0.0	5.0	50n	50m	0	70	CC11a	D16-13a
28	SFC4251LSE	1	8	8	TTL	8.0m	5.0	2.0	80	0.0	5.0	45n	60m	0	70	CC25	D16-13a
29	ITT9312-1D	1	8	8	TTL	16m	4.0	2.0	80	0.0	5.0	36n	200m	55	125	CC35	D16-2a
30	ITT9312-5D	1	8	8	TTL	16m	4.5	1.9	85	0.0	5.0	36n	215m	0	75	CC35	D16-2a
31	ITT9312-5N	1	8	8	TTL	16m	4.5	1.9	85	0.0	5.0	36n	215m	0	75	CC35	D16-2c
32	ITT74151J	1	8	8	TTL	16m	4.0	2.0	80	0.0	5.0	52n	240m	0	70	CC1	D16-2d
33	ITT74151N	1	8	8	TTL	16m	4.0	2.0	80	0.0	5.0	52n	240m	0	70	CC1	D16-2c
34	MC83151P	1	8	8	TTL	16m	4.0	2.4	40†	0.0	5.0	52n	145m†	0	70	CC11a	D16-10
35	MC93151L	1	8	8	TTL	16m	4.0	2.4	40†	0.0	5.0	52n	145m†	55	125	CC11a	D16-7b
36	MIC54151J	1	8	8	TTL	16m	4.0	2.0	80	0.0	5.0	52n	240m	55	125	CC11	D16-7n
37	MIC74151J	1	8	8	TTL	16m	4.0	2.0	80	0.0	5.0	52n	240m	0	75	CC11	D16-7n
38	MIC74151N	1	8	8	TTL	16m	4.0	2.0	80	0.0	5.0	52n	240m	0	75	CC11	D16-27b
39	N82S32F	1	8	8	TTL	16m	4.0	2.0	80	0.0	5.0	17n	262m	0	75	CC29	D16-7h
40	N8230W	1	8	8	TTL	16m	4.0	2.0	80	0.0	5.0	30n	250m	0	75	CC28	F16-4
41	N8231W	1	8	8	TTL	16m	4.0	2.0	80	0.0	5.0	30n	250m	0	75	CC28a	F16-4
42	N8232W	1	8	8	TTL	16m	4.0	2.0	80	0.0	5.0	30n	262m	0	75	CC29	F16-4
43	N9312B	1	8	8	TTL	16m	4.0	2.0	80	0.0	5.0	250m	250m	0	75	CC11b	D16-2a
44	N9312F	1	8	8	TTL	16m	4.0	2.0	80	0.0	5.0	250m	250m	0	75	CC11b	D16-7h
45	S82S30B	1	8	8	TTL	16m	4.0	2.0	80	0.0	5.0	17n	250m	55	125	CC28	D16-2a
46	S82S31B	1	8	8	TTL	16m	4.0	2.0	80	0.0	5.0	19n	250m	55	125	CC28a	D16-2a
47	S82S32B	1	8	8	TTL	16m	4.0	2.0	80	0.0	5.0	17n	262m	55	125	CC29	D16-2a
48	S82S32F	1	8	8	TTL	16m	4.0	2.0	80	0.0	5.0	17n	262m	55	125	CC29	D16-7h
49	S8230B	1	8	8	TTL	16m	4.0	2.0	80	0.0	5.0	30n	250m	55	125	CC28	D16-2a
50	S8231B	1	8	8	TTL	16m	4.0	2.0	80	0.0	5.0	30n	250m	55	125	CC28a	D16-2a
51	S8232B	1	8	8	TTL	16m	4.0	2.0	80	0.0	5.0	30n	262m	55	125	CC29	D16-2a
52	S9312F	1	8	8	TTL	16m	4.0	2.0	80	0.0	5.0	250m	250m	55	125	CC11b	D16-7h
53	S9312W	1	8	8	TTL	16m	4.0	2.0	80	0.0	5.0	250m	250m	55	125	CC11b	F16-4
54	SFC4151E	1	8	8	TTL	16m	4.0	2.0	80	0.0	5.0	52n	240m	0	70	CC11a	D16-13a
55	SFC4151EM	1	8	8	TTL	16m	4.0	2.0	80	0.0	5.0	52n	240m	55	125	CC11a	D16-13a
56	SFC4151ET	1	8	8	TTL	16m	4.0	2.0	80	0.0	5.0	52n	240m	25	85	CC11a	D16-13a
57	SFC4151JM	1	8	8	TTL	16m	4.0	2.0	80	0.0	5.0	52n	240m	55	125	CC11a	D16-13a
58	SFC4151KM	1	8	8	TTL	16m	4.0	2.0	80	0.0	5.0	52n	240m	55	125	CC11a	D16-13a
59	T9312F	1	8	8	TTL	16m	4.0	2.0	80	0.0	5.0	36n	220m	0	75	CC46	F16-8
60	T9312FM	1	8	8	TTL	16m	4.0	2.0	80	0.0	5.0	36n	220m	55	125	CC46	F16-8
61	T9312J	1	8	8	TTL	16m	4.0	2.0	80	0.0	5.0	36n	220m	0	75	CC46	D16-22c
62	T9312JM	1	8	8	TTL	16m	4.0	2.0	80	0.0	5.0	36n	220m	55	125	CC46	D16-22c
63	TL74151N	1	8	8	TTL	16m	4.0	2.0	80	0.0	5.0	38n	240m	0	70	CC11	DLZ
64	M5S151P	1	8	8	TTL	20m	5.0	2.0	80	0.0	5.0	18n	350m	0	75	CC11a	D16-10a
65	M5S251P	1	8	1	TTL	20m	5.0	2.0	80 ^s	0.0	5.0	19n	500m	0	75	CC11c	D16-10a
66	T54S151F	1	8	8	TTL	20m	4.0	2.0	80	0.0	5.0	18n	425m	55	125	CC11a	F16-8a
67	T54S151J	1	8	8	TTL	20m	4.0	2.0	80	0.0	5.0	18n	425m	55	125	CC11a	D16-10d
68	T54S152F	1	8	8	TTL	20m	4.0	2.0	80	0.0	5.0	18n	350m	55	125	CC12	TO86
69	T54S152J	1	8	8	TTL	20m	4.0	2.0	80	0.0	5.0	18n	350m	55	125	CC12	TO116
70	T54S251F	1	8	8	TTL	20m	4.0	2.0	80 ^s	0.0	5.0	19n	425m	55	125	CC11a	F16-8a
71	T54S251J	1	8	8	TTL	20m	4.0	2.0	80 ^s	0.0	5.0	19n	425m	55	125	CC11a	D16-10d
72	T74S151F	1	8	8	TTL	20m	4.0	2.0	80	0.0	5.0	18n	425m	0	70	CC11a	F16-8a
73	T74S151J	1	8	8	TTL	20m	4.0	2.0	80	0.0	5.0	18n	425m	0	70	CC11a	D16-10d
74	T74S152F	1	8	8	TTL	20m	4.0	2.0	80	0.0	5.0	18n	350m	0	70	CC12	TO86
75	T74S152J	1	8	8	TTL	20m	4.0	2.0	80	0.0	5.0	18n	350m	0	70	CC12	TO116
76	T74S251F	1	8	8	TTL	20m	4.0	2.0	80 ^s	0.0	5.0	19n	425m	0	70	CC11a	F16-8a
77	T74S251J	1	8	8	TTL	20m	4.0	2.0	80 ^s	0.0	5.0	19n	425m	0	70	CC11a	D16-10d
78	GFB74150	1	16	4	TTL	16m	4.0	2.0	80	0.0	5.0	35n	340m	0	70	CC10	D24-3a
79	MC83150P	1	16	4	TTL	16m	4.0	2.4	40†	0.0	5.0	35n	200m†	55	125	CC10	D24-8
80	MC93150L	1	16	4	TTL	16m	4.0	2.4	40†	0.0	5.0	35n	200m†	0	75	CC10	D24-5c
81	MIC54150J	1	16	4	TTL	16m	4.0	2.0	80	0.0	5.0	35n	340m	55	125	CC10	D24-3b
82																	

17. DIGITAL MULTIPLEXERS/SELECTORS

IN ORDER OF: (1)CKTS/DEVICE
(2)INPUT CHAN/CKT (3)MIN. I(SINK)&(4)TYPE No

LINE No.	TYPE NUMBER	CKTS. PER DEV -ICE	2 INo. INPUT CHANN PER CKT.	No. OF ADDRESS LINES	T E C H N	3 MIN. OUTPUT SINK CURRENT		INPUT LOGIC LEVEL		RATED PWR. SUPPLY SPAN		MAX. PROP. DELAY (s)	MAX. OPERATE PWR. DISS. (W)	OPER. TEMP.		DRAWINGS	
						I (A)	@ Vo (V)	HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)			(-) (°C)	(+) (°C)	LOGIC DWG. No.	OUTLINE DWG. No. Δ=MO
1 #	GFB74153	2	4	2	TTL	16m	.40	2.0	.80	0.0	5.0	34n	300m	0	75	CC26	D16-16a
2	ITT9309-1D	2	4	2	TTL	16m	.40	2.0	.80	0.0	5.0	32n	200m	55	125	CC13	D16-2e
3	ITT9309-5D	2	4	2	TTL	16m	.45	1.9	.85	0.0	5.0	36n	215m	0	75	CC13	D16-2e
4	ITT9309-5N	2	4	2	TTL	16m	.45	1.9	.85	0.0	5.0	36n	215m	0	75	CC13	D16-2c
5 #	MIC54153J	2	4	2	TTL	16m	.40	2.0	.80	0.0	5.0	34n	260m	55	125	CC26	D16-7n
6 #	MIC74153J	2	4	2	TTL	16m	.40	2.0	.80	0.0	5.0	34n	300m	0	75	CC26	D16-7n
7 #	MIC74153N	2	4	2	TTL	16m	.40	2.0	.80	0.0	5.0	34n	300m	0	75	CC26	D16-27b
8	N9309B	2	4	2	TTL	16m	.45	2.0	.80	0.0	5.0	36n	175m	0	75	CC13	D16-2a
9 #	SFC4153E	2	4	2	TTL	16m	.40	2.0	.80	0.0	5.0	34n	300m	0	70	CC26	D16-13a
10 #	SFC4153EM	2	4	2	TTL	16m	.40	2.0	.80	0.0	5.0	34n	260m	55	125	CC26	D16-13a
11 #	SFC4153ET	2	4	2	TTL	16m	.40	2.0	.80	0.0	5.0	34n	300m	25	85	CC26	D16-13a
12 #	SFC4153JM	2	4	2	TTL	16m	.40	2.0	.80	0.0	5.0	34n	300m	55	125	CC26	D16-13a
13 #	SFC4153KM	2	4	2	TTL	16m	.40	2.0	.80	0.0	5.0	34n	260m	55	125	CC26	D16-13a
14	T9309F	2	4	2	TTL	16m	.40	2.0	.80	0.0	5.0	36n	220m	0	75	CC13	F16-8
15	T9309FM	2	4	2	TTL	16m	.40	2.0	.80	0.0	5.0	32n	220m	55	125	CC13	F16-2c
16	T9309J	2	4	2	TTL	16m	.40	2.0	.80	0.0	5.0	36n	220m	0	75	CC13	D16-22c
17	T9309JM	2	4	2	TTL	16m	.40	2.0	.80	0.0	5.0	32n	220m	55	125	CC13	D16-22c
18 #	TL74153N	2	4	2	TTL	16m	.40	2.0	.80	0.0	5.0	34n	300m	0	70	CC26	DLZ
19 #	SFC4153SE	2	4	2	TTL	20m	.50	2.0	.80	0.0	5.25	18n	367m	0	70	CC26	D16-13a
20 #	SFC4153SJ	2	4	2	TTL	20m	.50	2.0	.80	0.0	5.25	18n	367m	55	125	CC26	D16-13a
21 #	SFC4153SKM	2	4	2	TTL	20m	.50	2.0	.80	0.0	5.25	18n	367m	55	125	CC26	D16-13a
22	T54S153F	2	4	2	TTL	20m	.50	2.0	.80	0.0	5.0	18n	350m	55	125	CC26	F16-3
23	T54S153J	2	4	2	TTL	20m	.50	2.0	.80	0.0	5.0	18n	350m	55	125	CC26	D16-10d
24	T74S153F	2	4	2	TTL	20m	.50	2.0	.80	0.0	5.0	18n	350m	0	70	CC26	F16-3
25	T74S153J	2	4	2	TTL	20m	.50	2.0	.80	0.0	5.0	18n	350m	0	70	CC26	D16-10d
26	100163DC	2	8	3	ECL	18m	∅	-1.1	-1.4	4.5	0.0	2.6n	688m	0	75	CC63	D24-3e
27	100163FC	2	8	3	ECL	18m	∅	-1.1	-1.4	4.5	0.0	2.6n	688m	0	75	CC63	F24-8
28	100171DC	3	4	2	ECL	18m	∅	-1.1	-1.4	4.5	0.0	2.6n	513m	0	75	CC65	D24-3e
29	100171FC	3	4	2	ECL	18m	∅	-1.1	-1.4	4.5	0.0	2.6n	513m	0	75	CC65	F24-8
30	5566	3	8	2	ECL	16m	.40	2.0	.90	0.0	5.0	25n†	425m†	0	70	CC42	PC12
31 #	HEF4019P	4	2	2	CMS	2.0m	.50	7.0	3.0	0.0	10	55n	400m∅	40	85	CC52	D16-2g
32 #	HEF4519P	4	2	2	CMS	2.0m	.50	7.0	3.0	0.0	10	30n	400m∅	40	85	CC53	D16-2g
33 #	CD40257BK	4	2	1	CMS	3.4m	1.5	11	4.0	0.0	15	100n	500m∅	55	125	CC6	∆004AG
34	25LS157JC	4	2	1	TTL	4.0m	.40	2.0	.80	0.0	5.0	20n	84m	0	70	CC4	D16-7w
35	25LS157JM	4	2	1	TTL	4.0m	.40	2.0	.70	0.0	5.0	20n	88m	55	125	CC4	D16-7w
36	25LS157WC	4	2	1	TTL	4.0m	.40	2.0	.80	0.0	5.0	20n	84m	0	70	CC4	F16-3b
37	25LS157WM	4	2	1	TTL	4.0m	.40	2.0	.70	0.0	5.0	20n	88m	55	125	CC4	F16-3b
38	25LS158JC	4	2	1	TTL	4.0m	.40	2.0	.80	0.0	5.0	20n	42m	0	70	CC5	D16-7w
39	25LS158JM	4	2	1	TTL	4.0m	.40	2.0	.70	0.0	5.0	20n	44m	55	125	CC5	D16-7w
40	25LS158WC	4	2	1	TTL	4.0m	.40	2.0	.80	0.0	5.0	20n	42m	0	70	CC5	F16-3b
41	25LS158WM	4	2	1	TTL	4.0m	.40	2.0	.70	0.0	5.0	20n	44m	55	125	CC5	F16-3b
42	25LS257JC	4	2	1	TTL	4.0m	.40	2.0	.80	0.0	5.0	18n	80m	0	70	CC6	D16-7w
43	25LS257JM	4	2	1	TTL	4.0m	.40	2.0	.70	0.0	5.0	18n	84m	55	125	CC6	D16-7w
44	25LS257WC	4	2	1	TTL	4.0m	.40	2.0	.80	0.0	5.0	18n	80m	0	70	CC6	F16-3b
45	25LS257WM	4	2	1	TTL	4.0m	.40	2.0	.70	0.0	5.0	18n	84m	55	125	CC6	F16-3b
46	25LS258JC	4	2	1	TTL	4.0m	.40	2.0	.80	0.0	5.0	18n	58m	0	70	CC7	D16-7w
47	25LS258JM	4	2	1	TTL	4.0m	.40	2.0	.70	0.0	5.0	18n	61m	55	125	CC7	D16-7w
48	25LS258WC	4	2	1	TTL	4.0m	.40	2.0	.80	0.0	5.0	18n	58m	0	70	CC7	F16-3b
49	25LS258WM	4	2	1	TTL	4.0m	.40	2.0	.70	0.0	5.0	18n	61m	55	125	CC7	F16-3b
50	54LS157CH	4	2	1	TTL	4.0m	.40	2.0	.70	0.0	5.0	23n	80m	55	125	CC4	CHZ
51	54LS158CH	4	2	1	TTL	4.0m	.40	2.0	.70	0.0	5.0	22n	40m	55	125	CC5	CHZ
52	54LS257CH	4	2	1	TTL	4.0m	.40	2.0	.70	0.0	5.0	18n	85m	55	125	CC6	CHZ
53	54LS258CH	4	2	1	TTL	4.0m	.40	2.0	.70	0.0	5.0	18n	60m	55	125	CC7	CHZ
54	54LS298J	4	2	1	TTL	4.0m	.40	2.0	.70	0.0	5.0	16n	105m	55	125	CC8	D16-7w
55	54LS298W	4	2	1	TTL	4.0m	.40	2.0	.70	0.0	5.0	16n	105m	55	125	CC8	F16-3b
56	54LS399DM	4	2	1	TTL	4.0m	.25	2.0	.70	0.0	5.0	32n	65m	55	125	CC69	D16-7f
57	54LS399FM	4	2	1	TTL	4.0m	.25	2.0	.70	0.0	5.0	32n	65m	55	125	CC69	F16-3
58	74LS398PC	4	2	1	TTL	4.0m	.25	2.0	.80	0.0	5.0	32n	65m	0	70	CC69a	D20-3
59	74LS399DC	4	2	1	TTL	4.0m	.25	2.0	.80	0.0	5.0	32n	65m	0	70	CC69	D16-7f
60	74LS399FC	4	2	1	TTL	4.0m	.25	2.0	.80	0.0	5.0	32n	65m	0	70	CC69	F16-3
61	74LS399PC	4	2	1	TTL	4.0m	.25	2.0	.80	0.0	5.0	32n	65m	0	70	CC69	D16-14
62	N74LS258B	4	2	1	TTL	4.0m	.40	2.0	.80	0.0	5.0	21n	60m	0	70	CC7	D16-2a
63 #	SFC4157LSEM	4	2	1	TTL	4.0m	.40	2.0	.80	0.0	5.0	27n	80m	55	125	CC4	D16-13a
64	CD40257BY	4	2	1	CMS	6.0m†	1.5	15†	0.0†	0.0	15	50n	500m∅	40	85	CC6	∆001AC
65	74LS157J	4	2	1	TTL	8.0m	.50	2.0	.80	0.0	5.0	15n	80m	0	70	CC4	D16-7w
66	74LS157W	4	2	1	TTL	8.0m	.50	2.0	.80	0.0	5.0	15n	80m	0	70	CC4	F16-3b
67	74LS158J	4	2	1	TTL	8.0m	.50	2.0	.80	0.0	5.0	12n	40m	0	70	CC5	D16-7w
68	74LS158W	4	2	1	TTL	8.0m	.50	2.0	.80	0.0	5.0	12n	40m	0	70	CC5	F16-3b
69	74LS257J	4	2	1	TTL	8.0m	.45	2.0	.80	0.0	5.0	18n	76m	0	70	CC6	D16-7w
70	74LS257W	4	2	1	TTL	8.0m	.45	2.0	.80	0.0	5.0	18n	76m	0	70	CC6	F16-3b
71	74LS258J	4	2	1	TTL	8.0m	.45	2.0	.80	0.0	5.0	15n	60m	0	70	CC7	D16-7w
72	74LS258W	4	2	1	TTL	8.0m	.45	2.0	.80	0.0	5.0	15n	60m	0	70	CC7	F16-3b
73	74LS298J	4	2	1	TTL	8.0m	.45	2.0	.80	0.0	5.0	16n	105m	0	70	CC8	D16-7w
74	74LS298W	4	2	1	TTL	8.0m	.45	2.0	.80	0.0	5.0	16n	105m	0	70	CC8	F16-3b
75 #	SFC4157LSE	4	2	1	TTL	8.0m	.50	2.0	.80	0.0	5.0	27n	80m	0	70	CC4	D16-13a
76 #	GFB74157	4	2	1	TTL	16m	.40	2.0	.80	0.0	5.0	27n	240m	0	70	CC3	D16-16a
77	ITT9322-1D	4	2	1	TTL	16m	.40	2.0	.80	0.0	5.0	27n	215m	55	125	CC36	D16-2e
78	ITT9322-5D	4	2	1	TTL	16m	.45	1.9	.85	0.0	5.0	31n	225m	0	75	CC36	D16-2e
79	ITT9322-5N	4	2	1	TTL	16m	.45	1.9	.85	0.0	5.0	31n	225m	0	75	CC36	D16-2c
80 #	MIC54157J	4	2	1	TTL	16m	.40	2.0	.80	0.0	5.0	27n	240m	55	125	CC3	D16-2f
81 #	MIC74157J	4	2	1	TTL	16m	.40	2.0	.80	0.0	5.0	27n	240m	0	75	CC3	D16-2f
82 #	MIC74157N	4	2	1	TTL	16m	.40	2.0	.80	0.0	5.0	27n	240m	0	75	CC3	D16-2f
83	N8233W	4	2	2	TTL	16m	.40	2.0	.80	0.0	5.0	38n‡	252m	0	75	CC30	F16-4
84	N8234W	4	2	2	TTL	16m	.40	2.0</									

17. DIGITAL MULTIPLEXERS/SELECTORS

IN ORDER OF: (1)CKTS/DEVICE
(2)INPUT CHAN/CKT (3)MIN. I(SINK)&(4)TYPE No

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LINE No.	TYPE NUMBER	1] CKTS. PER DEV -ICE	2] No. INPUT CHANN PER CKT.	No. OF ADDRESS LINES	T E C H N	3] MIN. OUTPUT SINK CURRENT		INPUT LOGIC LEVEL		RATED PWR. SUPPLY SPAN		MAX. PROP. DELAY tpd (s)	MAX. OPERATE PWR. DISS. (W)	OPER. TEMP.		DRAWINGS	
						I (A)	@ Vo (V)	HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)			(-) (°C)	(+) (°C)	LOGIC DWG. No.	OUTLINE DWG. No. Δ-MO
1#	SFC4158SJM	4	2	1	TTL	20m	.50	2.0	.80	0.0	5.0	12n	305m	55	125	CC5	D18-13a
2#	SFC4158SKM	4	2	1	TTL	20m	.50	2.0	.80	0.0	5.0	12n	305m	55	125	CC5	D18-13a
3	T54S157F	4	2	1	TTL	20m	.50	2.0	.80	0.0	5.0	15n	390m	55	125	CC3	F16-8a
4	T54S157J	4	2	1	TTL	20m	.50	2.0	.80	0.0	5.0	15n	390m	55	125	CC3	D18-10d
5	T54S158F	4	2	1	TTL	20m	.50	2.0	.80	0.0	5.0	12n	305m	55	125	CC45	F16-8a
6	T54S158J	4	2	1	TTL	20m	.50	2.0	.80	0.0	5.0	12n	305m	55	125	CC45	D18-10d
7	T74S157F	4	2	1	TTL	20m	.50	2.0	.80	0.0	5.0	15n	390m	0	70	CC3	F16-8a
8	T74S157J	4	2	1	TTL	20m	.50	2.0	.80	0.0	5.0	15n	390m	0	70	CC3	D18-10d
9	T74S158F	4	2	1	TTL	20m	.50	2.0	.80	0.0	5.0	12n	305m	0	70	CC45	F16-8a
10	T74S158J	4	2	1	TTL	20m	.50	2.0	.80	0.0	5.0	12n	305m	0	70	CC45	D18-10d
11	N8263Q	4	3	2	TTL	9.6m	.40	2.0	.80	0.0	5.0	36n	420m	0	75	CC33	F24-2
12	N8264Q	4	3	2	TTL	16m	.40	2.0	.80	0.0	5.0	36n	475m	0	75	CC34	F24-2
13	5567	6	4	2	TTL	14m	.40	2.0	.90	0.0	5.0	32n	425mt	0	70	CC43	PC12

18. DIGITAL DEMULTIPLEXERS/DECODERS

IN ORDER OF: (1)CKTS/DEV (2)OUTPUT CHAN/CKT. (3)MIN.OUTPUT SINK CURR. & (4)TYPE NUMBER

LINE No.	TYPE NUMBER	DEMULTIPLEX		DECODES		T E C H N I C A L	3 MIN. OUTPUT SINK CURRENT		INPUT LOGIC LEVEL		RATED PWR. SUPPLY SPAN		MAX. PROP. DELAY tpd (s)	MAX. OPERATE PWR. DISS. (W)	OPER. TEMP.		DRAWINGS	
		1 CKTS. PER DEV.	2 No. OUTPUT CHAN/CKT.	FROM	TO		I (A)	@ V _o (V)	HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)			(-) (°C)	(+) (°C)	LOGIC DWG. No.	OUTLINE DWG. No. Δ = MO
1	25LS138JC	1	8	3	8	TTL	4.0m	.40	2.0	.80	0.0	5.0	27n	52m	0	70	CD8	D16-7w
2	25LS138JM	1	8	3	8	TTL	4.0m	.40	2.0	.70	0.0	5.0	27n	55m	55	125	CD8	D16-7w
3	25LS138WC	1	8	3	8	TTL	4.0m	.40	2.0	.80	0.0	5.0	27n	52m	0	70	CD8	F16-3b
4	25LS138WM	1	8	3	8	TTL	4.0m	.40	2.0	.70	0.0	5.0	27n	55m	55	125	CD8	F16-3b
5	ITT74LS138N	1	8	3	8	TTL	4.0m	.40	2.0	.80	0.0	5.0	39n	50m	0	70	CD8	D16-2c
6#	SFC4138LSEM	1	8	3	8	TTL	4.0m	.40	2.0	.80	0.0	5.0	37n	55m	55	125	CD8	D16-13a
7	74LS138J	1	8	3	8	TTL	8.0m	.50	2.0	.80	0.0	5.0	23n	50m	0	70	CD8	D16-7w
8	74LS138W	1	8	3	8	TTL	8.0m	.50	2.0	.80	0.0	5.0	23n	50m	0	70	CD8	F16-3b
9#	SFC4138LSE	1	8	3	8	TTL	8.0m	.50	2.0	.80	0.0	5.0	37n	55m	0	70	CD8	D16-13a
10	100170DC #1	1	8	3	8	ECL	18m∅	-1.1	-1.1	-1.4	4.5	0.0	3.9n	688m	0	75	CD22	D24-3e
11	100170FC #1	1	8	3	8	ECL	18m∅	-1.1	-1.1	-1.4	4.5	0.0	3.9n	688m	0	75	CD22	F24-8
12#	HEF4514P	1	16	4	16	CMS	2.0m	.50	7.0	3.0	0.0	10	135n	400m	40	85	CD17	D24-4c
13#	HEF4515P	1	16	4	16	CMS	2.0m	.50	7.0	3.0	0.0	10	135n	400m	40	85	CD17a	D24-4c
14#	MIC54154J	1	16	4	16	TTL	16m	.40	2.0	.80	0.0	5.0	36n	245m	55	125	CD1	D24-3b
15#	MIC74154J	1	16	4	16	TTL	16m	.40	2.0	.80	0.0	5.0	36n	280m	0	75	CD1	D24-3b
16#	MIC74155J	1	16	4	16	TTL	16m	.40	2.0	.80	0.0	5.0	32n	200m	0	75	CD2	D16-7n
17	S54154Q	1	16	4	16	TTL	16m	.40	2.0	.80	0.0	5.0	36n	245m	55	125	CD1	F24-8
18#	SFC4154E	1	16	4	16	TTL	16m	.40	2.0	.80	0.0	5.0	36n	280m	0	70	CD1	D24-8
19#	SFC4154EM	1	16	4	16	TTL	16m	.40	2.0	.80	0.0	5.0	36n	245m	55	125	CD1	D24-8
20#	SFC4154ET	1	16	4	16	TTL	16m	.40	2.0	.80	0.0	5.0	36n	280m	25	85	CD1	D24-8
21#	SFC4154JM	1	16	4	16	TTL	16m	.40	2.0	.80	0.0	5.0	36n	245m	55	125	CD1	D24-8
22#	SFC4154KM	1	16	4	16	TTL	16m	.40	2.0	.80	0.0	5.0	36n	245m	55	125	CD1	D24-8
23#	HEF4555P	2	4	2	4	CMS	2.0m	.50	7.0	3.0	0.0	10	60n	400m	40	85	CD18	D16-2g
24#	HEF4556P	2	4	2	4	CMS	2.0m	.50	7.0	3.0	0.0	10	60n	400m	40	85	CD19	D16-2g
25	CD4555BK	2	4	2	4	CMS	3.4m	1.5	11	4.0	0.0	15	140n	300u	55	125	CD3a	Δ004AG
26	CD4556BK	2	4	2	4	CMS	3.4m	1.5	11	4.0	0.0	15	140n	300u	55	125	CD3	Δ004AG
27	25LS139JC	2	4	2	4	TTL	4.0m	.40	2.0	.80	0.0	5.0	21n	57m	0	70	CD9	D16-7w
28	25LS139JM	2	4	2	4	TTL	4.0m	.40	2.0	.70	0.0	5.0	21n	60m	55	125	CD9	F16-3b
29	25LS139WC	2	4	2	4	TTL	4.0m	.40	2.0	.80	0.0	5.0	21n	57m	0	70	CD9	F16-3b
30	25LS139WM	2	4	2	4	TTL	4.0m	.40	2.0	.70	0.0	5.0	21n	60m	55	125	CD9	F16-3b
31	54LS155CH	2	4	2	4	TTL	4.0m	.40	2.0	.70	0.0	5.0	27n	50m	55	125	CD2	CH
32	54LS155J	2	4	2	4	TTL	4.0m	.40	2.0	.70	0.0	5.0	27n	50m	55	125	CD2	D16-7j
33	54LS155W	2	4	2	4	TTL	4.0m	.40	2.0	.70	0.0	5.0	27n	50m	55	125	CD2	F16-3b
34	54LS156CH	2	4	2	4	TTL	4.0m	.40	2.0	.70	0.0	5.0	37n	50m	55	125	CD2	CH
35	54LS156J	2	4	2	4	TTL	4.0m	.40	2.0	.70	0.0	5.0	37n	50m	55	125	CD2	D16-7j
36	54LS156W	2	4	2	4	TTL	4.0m	.40	2.0	.70	0.0	5.0	37n	50m	55	125	CD2	F16-3b
37	54LS255CH	2	4	2	4	TTL	4.0m	.40	2.0	.70 _s	0.0	5.0	26n	85m	55	125	CD2	CH
38	54LS255J	2	4	2	4	TTL	4.0m	.40	2.0	.70 _s	0.0	5.0	26n	85m	55	125	CD2	D16-7j
39	54LS255W	2	4	2	4	TTL	4.0m	.40	2.0	.70 _s	0.0	5.0	26n	85m	55	125	CD2	F16-3b
40	ITT74LS139N	2	4	2	4	TTL	4.0m	.40	2.0	.80	0.0	5.0	38n	55m	0	70	CD6	D16-2c
41#	SFC4139LSEM	2	4	2	4	TTL	4.0m	.40	2.0	.80	0.0	5.0	37n	55m	55	125	CD9	D16-13a
42#	SFC4155LSEM	2	4	2	4	TTL	4.0m	.40	2.0	.80	0.0	5.0	30n	50m	55	125	CD2	D16-13a
43	74LS139J	2	4	2	4	TTL	8.0m	.50	2.0	.80	0.0	5.0	23n	55m	0	70	CD6	D16-7w
44	74LS139W	2	4	2	4	TTL	8.0m	.50	2.0	.80	0.0	5.0	23n	55m	0	70	CD6	F16-3b
45	74LS155J	2	4	2	4	TTL	8.0m	.50	2.0	.80	0.0	5.0	40n	50m	0	70	CD2	D16-7w
46	74LS155W	2	4	2	4	TTL	8.0m	.50	2.0	.80	0.0	5.0	40n	50m	0	70	CD2	F16-3b
47	74LS156J	2	4	2	4	TTL	8.0m	.50	2.0	.80	0.0	5.0	40n	50m	0	70	CD2	D16-7w
48	74LS156W	2	4	2	4	TTL	8.0m	.50	2.0	.80	0.0	5.0	40n	50m	0	70	CD2	F16-3b
49	74LS255J	2	4	2	4	TTL	8.0m	.50	2.0	.80	0.0	5.0	25n	85m	0	70	CD2	D16-7w
50	74LS255W	2	4	2	4	TTL	8.0m	.50	2.0	.80	0.0	5.0	25n	85m	0	70	CD2	F16-3b
51#	SFC4139LSE	2	4	2	4	TTL	8.0m	.50	2.0	.80	0.0	5.0	37n	55m	0	70	CD9	D16-13a
52#	SFC4155LSE	2	4	2	4	TTL	8.0m	.50	2.0	.80	0.0	5.0	30n	50m	0	70	CD2	D16-13a
53#	GF874155	2	4	2	4	TTL	16m	.40	2.0	.80	0.0	5.0	32n	200m	0	70	CD2	D16-16a
54#	MIC54155J	2	4	2	4	TTL	16m	.40	2.0	.80	0.0	5.0	32n	175m	55	125	CD2	D16-7n
55#	MIC54156J	2	4	2	4	TTL	16m	.40	2.0	.80	0.0	5.0	34n	175m	55	125	CD2	D16-7n
56#	MIC74155N	2	4	2	4	TTL	16m	.40	2.0	.80	0.0	5.0	32n	200m	0	75	CD2	D16-27b
57#	MIC74156J	2	4	2	4	TTL	16m	.40	2.0	.80	0.0	5.0	34n	200m	0	75	CD2	D16-7n
58#	MIC74156N	2	4	2	4	TTL	16m	.40	2.0	.80	0.0	5.0	34n	200m	0	75	CD2	D16-27b
59#	SFC4155E	2	4	2	4	TTL	16m	.40	2.0	.80	0.0	5.0	32n	200m	0	70	CD2	D16-13a
60#	SFC4155EM	2	4	2	4	TTL	16m	.40	2.0	.80	0.0	5.0	32n	175m	55	125	CD2	D16-13a
61#	SFC4155ET	2	4	2	4	TTL	16m	.40	2.0	.80	0.0	5.0	32n	200m	25	85	CD2	D16-13a
62#	SFC4155JM	2	4	2	4	TTL	16m	.40	2.0	.80	0.0	5.0	32n	175m	55	125	CD2	D16-13a
63#	SFC4155KM	2	4	2	4	TTL	16m	.40	2.0	.80	0.0	5.0	32n	175m	55	125	CD2	D16-13a
64#	SFC4156E	2	4	2	4	TTL	16m	.40	2.0	.80	0.0	5.0	34n	200m	0	70	CD2	D16-13a
65#	SFC4156EM	2	4	2	4	TTL	16m	.40	2.0	.80	0.0	5.0	34n	175m	55	125	CD2	D16-13a
66#	SFC4156ET	2	4	2	4	TTL	16m	.40	2.0	.80	0.0	5.0	34n	200m	25	85	CD2	D16-13a
67	100170DC #2	2	4	2	4	ECL	18m∅	-1.1	-1.1	-1.4	4.5	0.0	3.9n	688m	0	75	CD22a	D24-3e
68	100170FC #2	2	4	2	4	ECL	18m∅	-1.1	-1.1	-1.4	4.5	0.0	3.9n	688m	0	75	CD22a	F24-8

INTERFACE

20. LINE RECEIVERS

IN ORDER OF: (1)INPUT MODE (2)CKTS/DEVICE
(3)HIGH INPUT THRESHOLD VOLT.& (4)TYPE No.

LINE No.	TYPE NUMBER	INPUT MODE	1 CKTS PER DEV.	THRESHOLD VOLT.-INPUT		MAX. INPUT RESIS (Ω)	MIN. OUTPUT SINK CURRENT		T E C H N	OUTPUT LOGIC LEVEL		RATED PWR. SUPPLY SPAN		MAX. PROP. DELAY (s)	MAX. OPERATE PWR. DISS. (W)	OPER. TEMP.		DRAWINGS	
				3 HIGH (V)	LOW (V)		I (A)	@ Vo (V)		HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)			(-) (°C)	(+) (°C)	LOGIC DWG. No.	OUTLINE DWG. No. Δ=MO
1#	SF722BF	D	1	0.009	0.0		16m	.40	TTL	2.4	.40	5.0	5.0	20nt	145m	0	70	DA28	F10-1
2#	SF723BE	D	1	0.014	.005		16m	.40	TTL	2.4	.40	5.0	5.0	20nt	155m	0	70	DA29	D14-12
3#	SF723BF	D	1	0.014	.005		16m	.40	TTL	2.4	.40	5.0	5.0	20nt	155m	0	70	DA29	F10-1
4#	SF724BF	D	2	0.014	.005		16m	.40	TTL	2.4	.40	5.0	5.0	20nt	230m	0	70	DA30	F14-6
5	9620DC	D	2	50Δ	.12		15m	.50	TTL	2.8	.50	0.0	12	75n	169m	0	70	DA31	D14-4c
6	9620DM	D	2	50Δ	.12		15m	.45	TTL	2.8	.45	0.0	12	50n	161m	55	125	DA31	D14-4c
7	9620FM	D	2	50Δ	.12		15m	.45	TTL	2.8	.45	0.0	12	50n	161m	55	125	DA31	T086
8	9620PC	D	2	50Δ	.12		15m	.50	TTL	2.8	.50	0.0	12	75n	169m	0	70	DA31	D14-14
9	ITT9615-1J	D	2	50	-50	167	15m	.40	DTL	2.4	.40	0.0	5.0	50n\$	250m	55	125	DA43	D16-2d
10	ITT9615-5J	D	2	50	-50	179	15m	.45	DTL	2.4	.40	0.0	5.0	75n\$	250m	0	75	DA43	F16-2d
11	9627FM	D	2	60Δ	-.60*	7.0k	6.4m	.40	TTL	2.4	.40	12	250n	408m	55	125	DA35	F16-3	
12	9613HC	D	2	1.0*	-1.0Δ	4.2kt	16m	.40	TTL	2.4	.40	0.0	5.0	40n	250m	0	70	DA39	T099
13	9613HM	D	2	1.0*	-1.0Δ	4.2kt	16m	.40	TTL	2.4	.40	0.0	5.0	40n	250m	55	125	DA39	T099
14	DM7820A	D	2	1.0	-1.0	2.5kt	3.5m	.40	TTL	2.5	.40	0.0	5.0	40n	600m	55	125	DA4a	D14-1a
15	DM7820F	D	2	1.0	-1.0	2.5kt	3.5m	.40	TTL	2.5	.40	0.0	5.0	40n	600m	55	125	DA4a	D14-4d
16	DM8820A	D	2	1.0	-1.0	2.5kt	3.5m	.40	TTL	2.5	.40	0.0	5.0	40n	600m	55	125	DA4a	D14-1a
17	DM8820F	D	2	1.0	-1.0	2.5kt	3.5m	.40	TTL	2.5	.40	0.0	5.0	40n	600m	55	125	DA4a	D14-4d
18	9622FM	D	2	2.0Δ	1.0*		12m	.40	TTL	2.8	.40	10	5.0	50n	225m	55	125	DA33	T086
19	DM7830A	D	2	2.0	.40		40m	.50	TTL	2.4	.40	0.0	5.0	18n		55	125	DA57	D14-1a
20	DM7830F	D	2	2.0	.40		40m	.50	TTL	2.4	.40	0.0	5.0	18n		55	125	DA57	D14-4d
21	DM8830A	D	2	2.0	.40		40m	.50	TTL	2.4	.40	0.0	5.0	18n		55	125	DA57	D14-1a
22	DM8830F	D	2	2.0	.40		40m	.50	TTL	2.4	.40	0.0	5.0	18n		55	125	DA57	D14-4d
23#	SFC5107AE	D	2	5.0Δ	-5.0*		16m	.40	TTL	2.4	.40	5.0	5.0	25n	150m	0	70	DA5	T0116
24#	SFC5107AEM	D	2	5.0Δ	-5.0*		16m	.40	TTL	2.4	.40	5.0	5.0	25n	150m	55	125	DA5	T0116
25#	SFC5107AJM	D	2	5.0Δ	-5.0*		16m	.40	TTL	2.4	.40	5.0	5.0	25n	150m	55	125	DA5	T0116
26#	SFC5107AKM	D	2	5.0Δ	-5.0*		16m	.40	TTL	2.4	.40	5.0	5.0	25n	150m	55	125	DA5	T0116
27#	SFC5108AE	D	2	5.0Δ	-5.0*		16m	.40	TTL	2.4	.40	5.0	5.0	25n	150m	0	70	DA5	T0116
28#	SFC5108AEM	D	2	5.0Δ	-5.0*		16m	.40	TTL	2.4	.40	5.0	5.0	25n	150m	55	125	DA5	T0116
29#	SFC5108AJM	D	2	5.0Δ	-5.0*		16m	.40	TTL	2.4	.40	5.0	5.0	25m	150m	55	125	DA5	T0116
30#	SFC5108AKM	D	2	5.0Δ	-5.0*		16m	.40	TTL	2.4	.40	5.0	5.0	25n	150m	55	125	DA5	T0116
31#	ITT71140	D	2	7.0Δ	-7.0*		16m	.40	TTL	2.4	.40	12	5.0	28n	560m	0	70	DA53	T0116
32	HD1-246	D	3	.15	0.0	61	10m	.45	TTL	2.6	.45	5.0	5.0	30n	63m	55	125	DA40a	D14-18
33	HD1-248	D	3	.15	0.0	61	9.6m	.45	TTL	2.6	.45	5.0	5.0	30n	69m	55	125	DA40b	D14-18
34	HD1-249	D	3	.15	0.0	61	9.6m	.45	TTL	2.6	.45	5.0	5.0	30n	69m	55	125	DA40	D14-18
35	HD1-546	D	3	.15	0.0	65	10m	.45	TTL	2.6	.45	5.0	5.0	30n	69m	0	75	DA40a	D14-18
36	HD1-548	D	3	.15	0.0	65	9.6m	.45	TTL	2.6	.45	5.0	5.0	30n	75m	0	75	DA40b	D14-18
37	HD1-549	D	3	.15	0.0	65	9.6m	.45	TTL	2.6	.45	5.0	5.0	30n	75m	0	75	DA40	D14-18
38	HD9-246	D	3	.15	0.0	61	10m	.45	TTL	2.6	.45	5.0	5.0	30n	63m	55	125	DA40a	T086
39	HD9-248	D	3	.15	0.0	61	9.6m	.45	TTL	2.6	.45	5.0	5.0	30n	69m	55	125	DA40b	T086
40	HD9-249	D	3	.15	0.0	61	9.6m	.45	TTL	2.6	.45	5.0	5.0	30n	69m	55	125	DA40	T086
41	HD9-546	D	3	.15	0.0	65	10m	.45	TTL	2.6	.45	5.0	5.0	30n	69m	0	75	DA40a	T086
42	HD9-548	D	3	.15	0.0	65	9.6m	.45	TTL	2.6	.45	5.0	5.0	30n	75m	0	75	DA40b	T086
43	HD9-549	D	3	.15	0.0	65	9.6m	.45	TTL	2.6	.45	5.0	5.0	30n	75m	0	75	DA40	T086
44	DS1689J	D	4	.20	-.20		4.0m	.40	TTL	2.5	.40	0.0	5.0	30nt	22mt	55	125	DA23	D16-7d
45	DS1690J	D	4	.20	-.20		4.0m	.40	TTL	2.5	.40	0.0	5.0	30nt	22mt	55	125	DA24	D18-13
46	DS3689J	D	4	.20	-.20		4.0m	.40	TTL	2.5	.40	0.0	5.0	30nt	22mt	0	70	DA23	D16-7d
47	DS3689N	D	4	.20	-.20		4.0m	.40	TTL	2.5	.40	0.0	5.0	30nt	22mt	0	70	DA23	D16-16
48	DS3690J	D	4	.20	-.20		4.0m	.40	TTL	2.5	.40	0.0	5.0	30nt	22mt	0	70	DA24	D18-13
49	DS3690N	D	4	.20	-.20		4.0m	.40	TTL	2.5	.40	0.0	5.0	30nt	22mt	0	70	DA24	D18-4
50	8T110F	D	4	2.0	.80		20m	.50	TTL	2.4	.40	0.0	5.0	30n		0	75	DA56	D16-7h
51	8T111F	D	4	2.0	.80		20m	.50	TTL	2.4	.40	0.0	5.0	30n		0	75	DA56a	D16-7h
52	5551	D	8	.50	-.50		16m	.40	TTL	2.5	.40	0.0	5.0	150n	600m	0	70	DA47	PC12
53	5551A	D	8	.50	-.50		3.2m	.40	TTL	2.5	.40	0.0	5.0	150n	600m	0	70	DA47	PC12
54	5551B	D	8	.50	-.50		3.2m	.40	TTL	2.5	.40	0.0	5.0	150n	600m	0	70	DA47	PC12
55	5551C	D	8	.50	-.50		3.2m	.40	TTL	2.5	.40	0.0	5.0	150n	600m	0	70	DA47	PC12
56	N8T16A	S	2	4.5	.40	7.0k	9.6m	.40	TTL	2.6	.40	0.0	5.0	150n	150m	0	75	DA54	D14-1a
57	55122FM	S	3	1.5	.60		16m	.40	TTL	2.6	.40	0.0	5.0	30n	360m	55	125	DA2	F16-3
58	uA8T14FM	S	3	1.5	.50	30k	16m	.40	TTL	2.6	.40	0.0	5.0	30n	380m	55	125	DA2	F16-3
59	N8T24B	S	3	1.7	.70		16m	.40	TTL	2.6	.40	0.0	5.0	30n	380m	0	75	DA10	D16-2a
60	RC8T14DD	S	3	2.0	.80		16m	.40	TTL	2.8	.40	0.0	5.0	30n	380m	0	75	DA10	D16-7j
61	RC8T24DD	S	3	2.0	.80		16m	.40	TTL	2.6	.40	0.0	5.0	30n	380m	0	75	DA10	D16-7i
62	RM8T14DD	S	3	2.0	.80		16m	.40	TTL	2.8	.40	0.0	5.0	30n	380m	55	125	DA10	D16-7j
63	RM8T24DD	S	3	2.0	.80		16m	.40	TTL	2.6	.40	0.0	5.0	30n	380m	55	125	DA10	D16-7i
64	N8T14B	S	3	4.5	.40	30k	16m	.40	TTL	2.6	.40	0.0	5.0	30n\$	380m	0	75	DA2	D16-2a
65	HD1-1489	S	4	1.0*	1.25Δ		10m	.45	TTL	2.6	.45	0.0	5.0	85n	130m	0	75	DA21	D14-10a
66	ITT1489-1J	S	4	1.5Δ	.75*	7.0k	10m	.45	RTL	2.6	.45	0.0	5.0	85n	130m	55	125	DA8a	D14-1d
67	ITT1489-5J	S	4	1.5Δ	.75*	7.0k	10m	.45	RTL	2.6	.45	0.0	5.0	85n	130m	0	75	DA8a	D14-1d
68	HD1-1489A	S	4	1.75*	1.25Δ		10m	.45	TTL	2.6	.45	0.0	5.0	85n	130m	0	75	DA21	D14-10a
69	ITT1489A-1J	S	4	2.25Δ	.75*	7.0k	10m	.45	RTL	2.6	.45	0.0	5.0	85n	130m	55	125	DA8b	D14-1d
70	ITT1489A-5J	S	4	2.25Δ	.75*	7.0k	10m	.45	RTL	2.6	.45	0.0	5.0	85n	130m	0	75	DA8b	D14-1d
71	N8T380A	S	4	2.25	1.3		16m	.40	TTL	2.4	.40	0.0	5.0	35n\$	210m	0	75	DA55	D14-1a
72	N8T37A	S	6	2.25	1.3		16m	.40	TTL	2.4	.40	0.0	5.0	30n	315m	0	75	DA60	DL

21. LINE TRANSCEIVERS

IN ORDER OF: (1)INP/OUTPUT MODE (2)CKTS/DEV (3)MIN.DRIVER SINK CURR. &(4)TYPE NUMBER

LINE No.	TYPE NUMBER	1 INPUT-OUTPUT MODE	2 CKTS PER DEV.	3 DRIVER MIN. SINK		RECVR.INPUT THRESHOLD VOLTAGE		MAX. RECVR. INPUT CURR. (A)	T E C H N	OUTPUT LOGIC LEVEL		RATED PWR. SUPPLY SPAN		MAX. PROP. DELAY tpd (s)	MAX. OPERATE PWR. DISS. (W)	OPER. TEMP.		DRAWINGS	
				(A)	@ Vo (V)	HIGH (V)	LOW (V)			HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)			(-) (°C)	(+) (°C)	LOGIC DWG. No.	OUTLINE DWG. No. Δ=MO
1	N8T30A	S	2	60m	40	2.0	80	80u	TTL	3.0	.40	0.0	5.0	70n	370m	0	70	DB36	D14-1a
2	N8T26AB	S	4	48m	50	2.0*	85Δ	25u	TTL	2.4	.50s	0.0	5.0	14n	457m	0	70	DB8	D16-2a
3	N8T28B	S	4	48m	50	2.0*	85Δ	25u	TTL	2.4	.50s	0.0	5.0	17n	578m	0	70	DB9	D16-2a
4	XC8T28L	S	4	48m	50	2.0*	85Δ	25u	TTL	2.4	.50s	0.0	5.25	28n	456m	0	75	DB9	D16-7a
5	XC8T28P	S	4	48m	50	2.0*	85Δ	25u	TTL	2.4	.50s	0.0	5.25	28n	456m	0	75	DB9	D16-10
6	N8T34A	S	4	50m	.70	2.2	1.3		TTL	2.4	.40s	0.0	5.0	40n	315m	0	70	DB37	D14-1a
7	N8T38A	S	4	50m	70	2.2	1.3	80u	TTL	2.4	.40	0.0	5.0	40n	315m	0	70	DB20	DL□
8	6605CJ	S	4	100m	80	2.0□	.80	400u	TTL	2.4	.45	0.0	5.0	50n	320m	0	85	DB28	D16-6
9	6605CL	S	4	100m	80	2.0□	.80	400u	TTL	2.4	.45	0.0	5.0	50n	320m	0	85	DB28	D16-7
10	9640DC	S	4	100m	80	2.25Δ	1.75*	540u	TTL	2.7	.50	0.0	5.0	15n	350m	0	70	DB6	D16-7f
11	9640DM	S	4	100m	80	2.4Δ	1.6*	540u	TTL	2.5	.50	0.0	5.0	15n	350m	55	125	DB6	D16-7f
12	9640FM	S	4	100m	80	2.4Δ	1.6*	540u	TTL	2.5	.50	0.0	5.0	15n	350m	55	125	DB6	F16-3
13	9640PC	S	4	100m	80	2.25Δ	1.75*	540u	TTL	2.7	.50	0.0	5.0	15n	350m	0	70	DB6	D16-14
14	9641DC	S	4	100m	80	2.25Δ	1.75*	540u	TTL	2.7	.50	0.0	5.0	19n	400m	0	70	DB38	D16-7f
15	9641DM	S	4	100m	80	2.4Δ	1.6*	540u	TTL	2.5	.50	0.0	5.0	19n	400m	55	125	DB38	D16-7f
16	9641FM	S	4	100m	80	2.4Δ	1.6*	540u	TTL	2.5	.50	0.0	5.0	19n	400m	55	125	DB38	F16-3
17	9641PC	S	4	100m	80	2.2Δ	1.75*	540u	TTL	2.7	.50	0.0	5.0	19n	400m	0	70	DB38	D16-14
18	9642FM	S	4	100m	80	2.2Δ	1.2*	540u	TTL	2.5	.50	0.0	5.0	15n	400m	55	125	DB6	F16-3
19	ITT55138J	S	4	100m	45	3.2□	1.5Δ	300u	TTL	2.4	.40	0.0	5.0	32n	325m	55	125	DB6	DL□
20	ITT55138N	S	4	100m	45	3.2□	1.5Δ	300u	TTL	2.4	.40	0.0	5.0	32n	325m	55	125	DB6	DL□
21	ITT75138J	S	4	100m	45	2.9□	1.8Δ	300u	TTL	2.4	.40	0.0	5.0	32n	325m	0	70	DB6	DL□
22	ITT75138N	S	4	100m	45	2.9□	1.8Δ	300u	TTL	2.4	.40	0.0	5.0	32n	325M	0	70	DB6	DL□

INTERFACE

22. SENSE AMPLIFIERS

IN ORDER OF: (1)CKTS/DEV. (2)TYPE OF MEMORY
(3)MIN.INPUT THRESHOLD VOLT. & (4)TYPE No.

INTERFACE

LINE No.	TYPE NUMBER	1 CKTS PER DEV.	2 TYPE OF MEM-ORY	INPUT THRESHOLD VOLTAGE		No. INP CHAN PER CKT.	COMM. MODE FIRING V. P-P (V)	T E C H N	OUTPUT LOGIC LEVEL		RATED PWR.SUPPLY SPAN		ADDIT FUNCT -IONS AVAIL ABLE	MAX. PROP. DELAY tpd (s)	MAX. OPERATE PWR. DISS. (W)	OPER. TEMP.		DRAWINGS	
				3 MIN (V)	MAX (V)				HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)				(-) (°C)	(+) (°C)	LOGIC DWG. No.	OUTLINE DWG. No. Δ=MO
1	MC1441F	1	COR	14m	20m	2	10	TTL	3.0	.35	0.0	5.0		20n	200m	0	75	DC12	F14-4
2	MC1441L	1	COR	14m	20m	2	10	TTL	3.0	.35	0.0	5.0		20n	200m	0	75	DC12	TO 116
3	MC1541F	1	COR	14m	20m	2	10	TTL	3.0	.35	0.0	5.0		20n	200m	55	125	DC12	F14-4
4	MC1541L	1	COR	14m	20m	2	10	TTL	3.0	.35	0.0	5.0		20n	200m	55	125	DC12	TO 116
5	DS5521J	1	COR	33m	47m	2	5.0	TTL	2.4	.40	5.0	5.0		55n	265m	55	125	DC2	D16-7d
6	DS5523J	1	COR	33m	47m	2	5.0	TTL	2.4	.40	5.0	5.0		45n	270m	55	125	DC3	D16-7d
7	DS7521J	1	COR	33m	47m	2	5.0	TTL	2.4	.40	5.0	5.0		55n	265m	0	70	DC2	D16-7d
8	DS7521N	1	COR	33m	47m	2	5.0	TTL	2.4	.40	5.0	5.0		55n	265m	0	70	DC2	D16-16
9	DS7523J	1	COR	33m	47m	2	5.0	TTL	2.4	.40	5.0	5.0		45n	270m	0	70	DC3	D16-7d
10	DS7523N	1	COR	33m	47m	2	5.0	TTL	2.4	.40	5.0	5.0		45n	270m	0	70	DC3	D16-16
11	ITT5521J	1	COR	33m	47m	2	5.0	TTL	2.4	.40	5.0	5.0		55n	265m	55	125	DC2	DLZ
12	ITT5521N	1	COR	33m	47m	2	5.0	TTL	2.4	.40	5.0	5.0		55n	265m	55	125	DC2	DLZ
13	ITT5523J	1	COR	33m	47m	2	5.0	TTL	2.4	.40	5.0	5.0		45n	270m	55	125	DC3	DLZ
14	ITT5523N	1	COR	33m	47m	2	5.0	TTL	2.4	.40	5.0	5.0		45n	270m	55	125	DC3	DLZ
15	ITT7521J	1	COR	33m	47m	2	5.0	TTL	2.4	.40	5.0	5.0		55n	265m	0	70	DC2	DLZ
16	ITT7521N	1	COR	33m	47m	2	5.0	TTL	2.4	.40	5.0	5.0		55n	265m	0	70	DC2	DLZ
17	ITT7523J	1	COR	33m	47m	2	5.0	TTL	2.4	.40	5.0	5.0		45n	270m	0	70	DC3	DLZ
18	ITT7523N	1	COR	33m	47m	2	5.0	TTL	2.4	.40	5.0	5.0		45n	270m	0	70	DC3	DLZ
19	ITT5520J	1	COR	35m	45m	2	5.0	TTL	2.4	.40	5.0	5.0		55n	265m	55	125	DC2	DLZ
20	ITT5520N	1	COR	35m	45m	2	5.0	TTL	2.4	.40	5.0	5.0		55n	265m	55	125	DC2	DLZ
21	ITT5522J	1	COR	35m	45m	2	5.0	TTL	2.4	.40	5.0	5.0		45n	270m	55	125	DC3	DLZ
22	ITT5522N	1	COR	35m	45m	2	5.0	TTL	2.4	.40	5.0	5.0		45n	270m	55	125	DC3	DLZ
23	SN5526J	1	COR	35m	45m	2	5.0	TTL	2.4	.40	5.0	5.0		45n	300m	55	125	DC5	D16-8
24	ITT7520J	1	COR	36m	44m	2	5.0	TTL	2.4	.40	5.0	5.0		55n	265m	0	70	DC2	DLZ
25	ITT7520N	1	COR	36m	44m	2	5.0	TTL	2.4	.40	5.0	5.0		55n	265m	0	70	DC2	DLZ
26	ITT7522J	1	COR	36m	44m	2	5.0	TTL	2.4	.40	5.0	5.0		45n	270m	0	70	DC3	DLZ
27	ITT7522N	1	COR	36m	44m	2	5.0	TTL	2.4	.40	5.0	5.0		45n	270m	0	70	DC3	DLZ
28	SN7526J	1	COR	36m	44m	2	5.0	TTL	2.4	.40	5.0	5.0		45n	300m	0	70	DC5	D16-8
29	SN7526N	1	COR	36m	44m	2	5.0	TTL	2.4	.40	5.0	5.0		45n	300m	0	70	DC5	D16-9
30	DS5520AJ	1	COR	38m	42m	2	5.0	TTL	2.4	.40	5.0	5.0		55n	265m	55	125	DC2	D16-7d
31	DS5522AJ	1	COR	38m	42m	2	5.0	TTL	2.4	.40	5.0	5.0		45n	270m	55	125	DC3	D16-7d
32	DS7520AJ	1	COR	38m	42m	2	5.0	TTL	2.4	.40	5.0	5.0		55n	265m	0	70	DC2	D16-7d
33	DS7520AN	1	COR	38m	42m	2	5.0	TTL	2.4	.40	5.0	5.0		55n	265m	0	70	DC2	D16-16
34	DS7522AJ	1	COR	38m	42m	2	5.0	TTL	2.4	.40	5.0	5.0		45n	270m	0	70	DC3	D16-7d
35	DS7522AN	1	COR	38m	42m	2	5.0	TTL	2.4	.40	5.0	5.0		45n	270m	0	70	DC3	D16-16
36	SN55244J	1	PLW	700mft		4	5.0	TTL	2.4	.50	6.0	5.0		25n	330m	55	125	DC10	D16-8
37	SN55244JA	1	PLW	700mft		4	5.0	TTL	2.4	.50	6.0	5.0		25n	330m	55	125	DC10	D16-11
38	SN55244N	1	PLW	700mft		4	5.0	TTL	2.4	.50	6.0	5.0		25n	330m	55	125	DC10	D16-9
39	SN75244J	1	PLW	700mft		4	5.0	TTL	2.4	.50	6.0	5.0		25n	330m	0	70	DC10	D16-8
40	SN75244JA	1	PLW	700mft		4	5.0	TTL	2.4	.50	6.0	5.0		25n	330m	0	70	DC10	D16-11
41	SN75244N	1	PLW	700mft		4	5.0	TTL	2.4	.50	6.0	5.0		25n	330m	0	70	DC10	D16-9
42	SN75236W	2	COR	4.0m	10m	1	3.0	TTL	2.4	.40	5.0	5.0		200n	365m	0	70	DC9	Δ019AA
43	SN55236W	2	COR	5.0m	9.0m	1	3.0	TTL	2.4	.40	5.0	5.0		200n	365m	55	125	DC9	Δ019AA
44	MC1543L	2	COR	17m	23m	1	10	TTL	.85	1.46	5.2	5.0		35n	230m	55	125	DC13	TO 116
45	5525DM	2	COR	33m	47m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	300m	55	125	DC4	D16-7f
46	5525FM	2	COR	33m	47m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	300m	55	125	DC4	F16-3
47	5529DM	2	COR	33m	47m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	300m	55	125	DC6	D16-7f
48	5529FM	2	COR	33m	47m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	300m	55	125	DC6	F16-3
49	5535DM	2	COR	33m	47m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	280m	55	125	DC26	D16-7f
50	5535FM	2	COR	33m	47m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	280m	55	125	DC26	F16-3
51	5539DM	2	COR	33m	47m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	300m	55	125	DC8	D16-7f
52	5539FM	2	COR	33m	47m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	300m	55	125	DC8	F16-3
53	7525DC	2	COR	33m	47m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	300m	0	70	DC4	D16-7f
54	7529DC	2	COR	33m	47m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	300m	0	70	DC6	D16-7f
55	7535DC	2	COR	33m	47m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	280m	0	70	DC26	D16-7f
56	7539DC	2	COR	33m	47m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	300m	0	70	DC8	D16-7f
57	7539PC	2	COR	33m	47m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	300m	0	70	DC8	D16-14
58	55225DM	2	COR	33m	47m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	300m	55	125	DC27	D16-7f
59	55225FM	2	COR	33m	47m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	300m	55	125	DC27	F16-3
60	55233DM	2	COR	33m	47m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	300m	55	125	DC7	D16-7f
61	55233FM	2	COR	33m	47m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	300m	55	125	DC7	F16-3
62	55235DM	2	COR	33m	47m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	300m	55	125	DC7	D16-7f
63	55235FM	2	COR	33m	47m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	300m	55	125	DC7	F16-3
64	55239DM	2	COR	33m	47m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	300m	55	125	DC8	D16-7f
65	55239FM	2	COR	33m	47m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	300m	55	125	DC8	F16-3
66	75225DC	2	COR	33m	47m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	300m	0	70	DC27	D16-7f
67	75225PC	2	COR	33m	47m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	300m	0	70	DC27	D16-14
68	75233DC	2	COR	33m	47m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	300m	0	70	DC7	D16-7f
69	75233PC	2	COR	33m	47m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	300m	0	70	DC7	D16-14
70	75235DC	2	COR	33m	47m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	300m	0	70	DC7	D16-7f
71	75239DC	2	COR	33m	47m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	300m	0	70	DC8	D16-7f
72	75239PC	2	COR	33m	47m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	300m	0	70	DC8	D16-14
73	DS5525J	2	COR	33m	47m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	290m	55	125	DC4	D16-7d
74	DS5529J	2	COR	33m	47m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	290m	55	125	DC6	D16-7d
75	DS5535J	2	COR	33m	47m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	280m	55	125	DC7	D16-7d
76	DS5539J	2	COR	33m	47m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	280m	55	125	DC8	D16-7d
77	DS7525J	2	COR	33m	47m	1	5.0												

22. SENSE AMPLIFIERS

IN ORDER OF: (1)CKTS/DEV. (2)TYPE OF MEMORY
(3)MIN.INPUT THRESHOLD VOLT. & (4)TYPE No.

LINE No.	TYPE NUMBER	1 CKTS PER DEV.	2 TYPE OF MEM -ORY	INPUT THRESHOLD VOLTAGE		No. INP CHAN PER CKT.	COMM. MODE FIRING V. P-P (V)	T E C H N	OUTPUT LOGIC LEVEL		RATED PWR.SUPPLY SPAN		ADDIT FUNCT -IONS AVAIL ABLE	MAX. PROP. DELAY tpd (s)	MAX. OPERATE PWR. DISS. (W)	OPER. TEMP.		DRAWINGS	
				3 MIN (V)	MAX. (V)				HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)				(-) (°C)	(+) (°C)	LOGIC DWG. No.	OUTLINE DWG. No. Δ=MO
1	55238FM	2	COR	35m	45m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	300m	55	125	DC8	F16-3
2	ITT5524J	2	COR	35m	45m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	290m	55	125	DC4	DLZ
3	ITT5524N	2	COR	35m	45m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	290m	55	125	DC4	DLZ
4	ITT5528J	2	COR	35m	45m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	290m	55	125	DC6	DLZ
5	ITT5528N	2	COR	35m	45m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	290m	55	125	DC6	DLZ
6	ITT55234J	2	COR	35m	45m	1	5.0	TTL	2.4	.40	5.0	5.0		50n	290m	55	125	DC7	D16-2b
7	MC5522L	2	COR	35m	45m	2	6.0	TTL	2.4	.40	5.0	5.0		45n	200m	55	125	DC15	D16-7b
8	MC5524L	2	COR	35m	45m	2	6.0	TTL	2.4	.40	5.0	5.0		40n	200m	55	125	DC16	D16-7b
9	7524DC	2	COR	36m	44m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	300m	0	70	DC4	D16-7f
10	7532F	2	COR	36m	44m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	300m	0	70	DC36	D16-7h
11	7532N	2	COR	36m	44m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	300m	0	70	DC36	D16-2a
12	7534DC	2	COR	36m	44m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	280m	0	70	DC26	D16-7f
13	7534F	2	COR	36m	44m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	300m	0	70	DC37	D16-7h
14	7534N	2	COR	36m	44m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	300m	0	70	DC37	D16-2a
15	7538DC	2	COR	36m	44m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	300m	0	70	DC8	D16-7f
16	7538PC	2	COR	36m	44m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	300m	0	70	DC8	D16-14
17	75224DC	2	COR	36m	44m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	300m	0	70	DC27	D16-7f
18	75224PC	2	COR	36m	44m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	300m	0	70	DC27	D16-14
19	75234DC	2	COR	36m	44m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	300m	0	70	DC7	D16-7f
20	ITT7524J	2	COR	36m	44m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	290m	0	70	DC4	DLZ
21	ITT7524N	2	COR	36m	44m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	290m	0	70	DC4	DLZ
22	ITT7528J	2	COR	36m	44m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	290m	0	70	DC6	DLZ
23	ITT7528N	2	COR	36m	44m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	290m	0	70	DC6	DLZ
24	ITT75234J	2	COR	36m	44m	1	5.0	TTL	2.4	.40	5.0	5.0		50n	290m	0	70	DC7	D16-2b
25	MC7522L	2	COR	36m	44m	2	6.0	TTL	2.4	.40	5.0	5.0		45n	200m	0	70	DC15	D16-7b
26	MC7522P	2	COR	36m	44m	2	6.0	TTL	2.4	.40	5.0	5.0		45n	200m	0	70	DC15	D16-10
27	DS5524AJ	2	COR	38m	42m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	290m	55	125	DC4	D16-7d
28	DS5528AJ	2	COR	38m	42m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	290m	55	125	DC6	D16-7d
29	DS5534AJ	2	COR	38m	42m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	280m	55	125	DC7	D16-7d
30	DS5538AJ	2	COR	38m	42m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	280m	55	125	DC8	D16-7d
31	DS7524AJ	2	COR	38m	42m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	290m	0	70	DC4	D16-7d
32	DS7524AN	2	COR	38m	42m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	290m	0	70	DC4	D16-16
33	DS7528AJ	2	COR	38m	42m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	290m	0	70	DC6	D16-7d
34	DS7528AN	2	COR	38m	42m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	290m	0	70	DC6	D16-16
35	DS7534AJ	2	COR	38m	42m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	280m	0	70	DC7	D16-7d
36	DS7534AN	2	COR	38m	42m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	280m	0	70	DC7	D16-16
37	DS7538AJ	2	COR	38m	42m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	280m	0	70	DC8	D16-7d
38	DS7538AN	2	COR	38m	42m	1	5.0	TTL	2.4	.40	5.0	5.0		40n	280m	0	70	DC8	D16-16
39#	78207PC	2	MOS			1		TTL	2.4	.40	5.25	5.25		35n	205m	0	70	DC1	D14-14
40	55207DM	2	MOS	10m	5.0 \$	1	6.0	TTL	2.4	.40	5.0	5.0		35n	225m	55	125	DC1	D14-4c
41	55207FM	2	MOS	10m	5.0 \$	1	6.0	TTL	2.4	.40	5.0	5.0		35n	225m	55	125	DC1	T086
42	55208DM	2	MOS	10m	5.0 \$	1	6.0	TTL	2.4	.40	5.0	5.0		35n	225m	55	125	DC1b	D14-4c
43	55208FM	2	MOS	10m	5.0 \$	1	6.0	TTL	2.4	.40	5.0	5.0		35n	225m	55	125	DC1b	T086
44	75207DC	2	MOS	10m	5.0 \$	1	6.0	TTL	2.4	.40	5.0	5.0		35n	225m	0	70	DC1	D14-4c
45	75208DC	2	MOS	10m	5.0 \$	1	6.0	TTL	2.4	.40	5.0	5.0		35n	225m	0	70	DC1b	D14-4c
46#	HD103461	2	NMS	1.4	1.1	2			-96	-1.6	5.2	7.5		10n	724m	0	75	DC20	D16-7s

INTERFACE

23. SAMPLE/HOLD

IN ORDER OF: (1)MIN. P-P INPUT VOLT.
(2)MIN. P-P Vo (3)MAX.ACQ TIME &(4)TYPE No.

INTERFACE

LINE No.	TYPE NUMBER	INPUT		OUTPUT			SAMPLE			MODE CNTRL VOLTAGE		RATED PWR. SUPPLY SPAN		MAX. OPERATE PWR. DISS.		OPER. TEMP.		DRAWINGS	
		1 MIN. VOLT. P-P (V)	IMPEDANCE (Ω)	2 MIN. VOLT. P-P (V)	MIN. CURR. P-P (A)	SLEW RATE (V/μs)	3 MAX. ACQUISITION TIME (s)	MAX. @OUTR (%)	MAX. APERTURE TIME (s)	SMALL SIGNAL BW (Hz)	HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)	PWR. (W)	DISS. (W)	(-) (°C)	(+) (°C)	LOGIC DWG. No.
1	VSSH-F-1	10	100G	10	20	300	20n	300p	70			15	15	2.8	55	85	DD28	MD91	
2	VSSH-F-3	10	100G	10	20	300	20n	300p	70			15	15	2.8	0	50	DD28	MD91	
3	VSSH-S-1	10	100G	10	20	200	50n	300p	25			15	15	2.8	55	85	DD28	MD91	
4	VSSH-S-3	10	100G	10	20	200	50n	300p	25			15	15	2.8	0	50	DD28	MD91	
5	5893s	10	1.0k*	10 †	3.0m	250n	250n	1.2u	5.0M	2.0	.40	15	15	540m♦	55	85	DD42	MD157	
6	750	10	100kΔ	10	10m	250m	40u					15	15	2.4	0	70	DD32	MD107	
7	SHM-CM	18	1.0G	10	4.0m	400m	70u	10m	20n†	10k	12†	0.0†	15	15	30m	0	70	DD14	MD53
8	SHM-4	20 †	100M		10m†	5.0	7.0u†	5.0m	44n	1.0M	2.0	.80	15	15	390m	0	70	DD12	MD52
9	SHM-3	20	100M		10m	500m	50u	5.0m	40n	100k	2.0	.80	15	15	390m	0	70	DD11	MD52
10	VADC-150-1	20	10G	5.0	5.0m	500	30n	100m	9.0n	100M			15	15	2.2	55	85	DD50	MD160c
11	VADC-150-3	20	10G	5.0	5.0m	500	30n	100m	9.0n	100M			15	15	2.2	0	70	DD50	MD160c
12	SHM40	20	100M*	20	6.0m	8.0	4.0u	10m	40n	400k	2.0	.80	15	15	750m	0	70	DD7	MD5a
13	SHM41	20	100M*	20	20m	10	4.0u	5.0m	40n	500k	2.0	.80	15	15	450m	0	70	DD7	MD5a
14	191	20	1.0G	20	10m	5.0	10u	10m	50n	500k	2.0	.80	15	15	600m	25	85	DD16	MD66
15	MSSH-01	20	40k*	20	20m		10u	10m	100n		2.0	.80	15	15	900m	55	85	DD27	MD90
16	MSSH-02	20	40k*	20	20m		10u	10m	100n		2.0	.80	15	15	900m	55	85	DD27	MD90
17	MSSH-05	20	40k*	20	20m		10u	10m	100n		2.0	.80	15	15	900m	55	85	DD27	MD90
18	4013-1/25	20	10k	20	40m		20u	50m	100n	50k	2.0	.50	15	15	540m	0	60	DD2	MD2
19	4013/25	20	10k	20	40m		20u	50m	100n	50k	2.0	.50	15	15	540m	0	60	DD2	MD2
20	190	20	1.0G	20	10m	5.0	25u	5.0m	50n	500k	2.0	.80	15	15	750m	25	85	DD16	MD66
21	SHC23	20	100M	20	10m	1.0	60u	10m	50n†	20k‡	2.0	.80	15	15	450m	0	70	DD3	CN1a
22	SHC23ET	20	100M	20	10m	1.0	60u	10m	50n†	20k‡	2.0	.80	15	15	450m	55	125	DD3	CN1a
23	4035/15	20	50M	20	10m		100u	5.0m	100n	5.0k	2.0	.50	15	15	540m	0	60	DD1	MD1a
24	4034/25	20	50M	20	10m		1.0m	5.0m	100n	2.0k	2.0	.50	15	15	540m	0	60	DD1	MD1
25	SHM-CM-1	24	1.0G	24	4.0m	150m	150u	10m	20u	40k			15	15	75m†	0	70	DD14	MD53
26	LF198	36	10G				20u	100m	125n†	3.0M	2.4	.80	15	15	165m	55	125	DD33	TO99
27	LF298	36	10G				20u	100m	125n†	3.0M	2.4	.80	15	15	165m	25	85	DD33	TO99
28	LF398	36	10G				20u	100m	125n†	3.0M	2.4	.80	15	15	195m	0	70	DD33	TO99
29	SH702M/B	60	10M	20	10m	5.0	4.0u	100m	50n	2.0M§	2.0	.80	15	15	150m†	55	125	DD19	D14-18
30	SH702M/C	60	10M	20	10m	5.0	4.0u	100m	50n	2.0M§	2.0	.80	15	15	150m†	55	125	DD19	D14-18
31	SH703	60	10M	20	10m	5.0	4.0u	100m	50n	2.0M§	2.0	.80	15	15	150m†	0	70	DD19	D14-18

24. SCHMITT TRIGGERS

IN ORDER OF: (1)HYSTERESIS VOLT.
(2)+ GOING INP.THRS.V.(3)CKTS/DEV &(4)TYPE No

LINE No.	TYPE NUMBER	HYST-ERES VOLT. (V)	INPUT THRESHOLD VOLT			CKTS PER DEV.	LOGIC CODE	NOISE IMMUNITY (V)	MAX. PROP. DELAY tpd (s)	T E C H N	OUTPUT LOGIC LEVEL		RATED PWR. SUPPLY SPAN		MAX. OPERATE PWR. DISS. (W)	OPER. TEMP.		DRAWINGS	
			2 POS. GOING (V)	NEG. GOING (V)	MAX. CURR. (A)						HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)		(-) (°C)	(+) (°C)	LOGIC DWG. No.	OUTLINE DWG. No.
1	MCC9041	190m	1.6	1.4	50n	1	NIV		2.0u†	TTL			0.0	2.7	27m	20	70	DE23	CH14
2#	SFC4132EM	300m	1.4	1.1	1.0m	4	NAND	300m	35n	TTL	2.4	.40	0.0	5.0	360m	55	125	DE12	TO116
3#	SFC4132ET	300m	1.4	1.1	1.0m	4	NAND	300m	35n	TTL	2.4	.40	0.0	5.0	360m	25	85	DE12	TO116
4#	SFC4132JM	300m	1.4	1.1	1.0m	4	NAND	300m	35n	TTL	2.4	.40	0.0	5.0	360m	55	125	DE12	TO116
5#	SFC4132KM	300m	1.4	1.1	1.0m	4	NAND	300m	35n	TTL	2.4	.40	0.0	5.0	360m	55	125	DE12	TO116
6#	SFC4132PM	300m	1.4	1.1	1.0m	4	NAND	300m	35n	TTL	2.4	.40	0.0	5.0	360m	55	125	DE12	TO85
7	54LS13J	800m	1.6	.80	400u	2	NAND	300m	20n	TTL	2.5	.40	0.0	5.0	35m	55	125	DE10	D14-4
8	54LS13W	800m	1.6	.80	400u	2	NAND	300m	20n	TTL	2.5	.40	0.0	5.0	35m	55	125	DE10	F14-13
9	74LS13J	800m	1.6	.80	400u	2	NAND	300m	20n	TTL	2.7	.50	0.0	5.0	35m	0	70	DE10	F14-14
10	74LS13W	800m	1.6	.80	400u	2	NAND	300m	20n	TTL	2.7	.50	0.0	5.0	35m	0	70	DE10	F14-13
11	ITT74LS13N	800m	1.6	.80	180n†	2	NAND		27n	TTL	2.7	.50	0.0	5.0	35m	0	70	DE4	D14-1c
12	74LS132J	800m	1.6	.80	400u	4	NAND	300m	20n	TTL	2.7	.50	0.0	5.0	105m	0	70	DE6	D14-4
13	74LS132W	800m	1.6	.80	400u	4	NAND	300m	20n	TTL	2.7	.50	0.0	5.0	105m	0	70	DE6	F14-13
14	74LS14J	800m	1.6	.80	400u	6	INV	300m	20n	TTL	2.7	.50	0.0	5.0	105m	0	70	DE10a	D14-4
15	74LS14W	800m	1.6	.80	400u	6	INV	300m	20n	TTL	2.7	.50	0.0	5.0	105m	0	70	DE10a	F14-13
16	ITT74LS14N	800m	1.6	.80	180n†	6	INV		22n	TTL	2.7	.50	0.0	5.0	105m	0	70	DE5	D14-1c
17	ITT5413J	800m	1.7	.90	850n†	2	NAND		35n	TTL	2.4	.40	0.0	5.0	180m	55	125	DE4	D14-1d
18	ITT7413J	800m	1.7	.90	850n†	2	NAND		35n	TTL	2.4	.40	0.0	5.0	180m	0	70	DE4	D14-1d
19	ITT7413N	800m	1.7	.90	850n†	2	NAND		35n	TTL	2.4	.40	0.0	5.0	180m	0	70	DE4	D14-1c
20#	MIC5413J	800m	1.7	.90	1.6m	2	NAND	400m	35n	TTL	2.0	.80	0.0	5.0	180m	0	75	DE4	D14-12a
21#	MIC7413J	800m	1.7	.90	1.6m	2	NAND	400m	35n	TTL	2.0	.80	0.0	5.0	180m	0	75	DE4	D14-12a
22#	MIC7413N	800m	1.7	.90	1.6m	2	NAND	400m	35n	TTL	2.0	.80	0.0	5.0	180m	0	75	DE4	D14-8c
23#	TL7413N	800m	1.7	.90	1.0m	2	NAND		27n	TTL	2.4	.40	0.0	5.0	160m	0	70	DE4	DLZ
24#	MIC54135J	800m	1.7	.90	97u†	4	NAND	700m	37n	TTL	2.4	.40	0.0	5.0	90m	55	125	DE5a	TO116
25#	MIC74135J	800m	1.7	.90	97u†	4	NAND	700m	37n	TTL	2.4	.40	0.0	5.0	90m	0	75	DE5a	TO116
26#	MIC74135N	800m	1.7	.90	97u†	4	NAND	700m	37n	TTL	2.4	.40	0.0	5.0	90m	0	75	DE5a	TO116
27	N74232A	800m	1.7	.90	1.0m	4	NOR	400m	22n	TTL	2.4	.40	0.0	5.0	220m	0	70	DE13	D14-1a
28	S54232F	800m	1.7	.90	1.0m	4	NOR	400m	22n	TTL	2.4	.40	0.0	5.0	220m	55	125	DE13	D14-4d
29#	MIC54137J	800m	1.7	.90	97u†	6	INV	700m	37n	TTL	2.4	.40	0.0	5.0	260m	55	125	DE5	TO116
30#	MIC74137J	800m	1.7	.90	97u†	6	INV	700m	37n	TTL	2.4	.40	0.0	5.0	260m	0	75	DE5	TO116
31#	MIC74137N	800m	1.7	.90	97u†	6	INV	700m	37n	TTL	2.4	.40	0.0	5.0	260m	0	75	DE5	TO116
32	MCC9016	1.5	2.9	1.4		1	NIV			TTL			0.0	4.5	120m	0	60	DE22	CH13
33#	HEF4093P	2.0	5.9	3.9		4	NAND	4.5	40n	CMS	9.99	.01	0.0	10	400m	40	85	DE7	D14-1e
34	CD40106BK	3.5	8.8	5.8	100n	6	INV		120n	CMS	14.9	.05	0.0	15	360u	55	125	DE8	Δ004AF
35	CD4093BK	3.5	9.4	7.3	100n	4	NAND		240n	CMS	14.9	.05	0.0	15	500m	55	125	DE14	Δ004AF
36	HD1-54C14	5.0	10	5.0		6	INV	700m	400n	CMS	9.0	1.0	0.0	15	225u	55	125	DE5	D14-10b
37	HD1-74C14	5.0	10	5.0		6	INV	700m	400n	CMS	9.0	1.0	0.0	15	225u	40	85	DE5	D14-10b
38	HD9-54C14	5.0	10	5.0		6	INV	700m	400n	CMS	9.0	1.0	0.0	15	225u	55	125	DE5	TO86
39	HD9-74C14	5.0	10	5.0		6	INV	700m	400n	CMS	9.0	1.0	0.0	15	225u	40	85	DE5	TO86

INTERFACE

25. SPECIAL DEVICES

IN ORDER OF: (1)TYPE CODE &(2)TYPE NUMBER

INTERPRETER

LINE No.	TYPE NUMBER	TYPE CODE	TECHN	INPUT LOGIC LEVEL		RATED PWR. SUPPLY SPAN		MAX. OPERATE PWR. DISS. (W)	OPER. TEMP.		GENERAL DESCRIPTION	DRAWINGS	
				HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)		(-) (°C)	(+) (°C)		LOGIC DWG. No.	OUTLINE DWG. No.
1	100165DC	1	ECL	-1.1	-1.4	4.5	0.0	693m	0	75	8 or Dual 4-Input;tpd 3.9ns max	E1-12	D24-3e
2	100165FC	1	ECL	-1.1	-1.4	4.5	0.0	693m	0	75	8 or Dual 4-Input;tpd 3.9ns max	E1-12	F24-8
3	CD4532BK	1	CMOS	1.1	4.0	0.0	15	500m	55	125	8 Input,3 Output;tpd 45ns Typ	E1-4	Δ004AG
4 #	SFC4148E	1	TTL	2.0	80	0.0	5.25	420m	0	70	8 input,3 output,tpd 40ns max	E1-3	D16-13a
5 #	SFC4148EM	1	TTL	2.0	80	0.0	5.5	440m	55	125	8 input,3 output,tpd 40ns max	E1-3	D16-13a
6 #	SFC4148ET	1	TTL	2.0	80	0.0	5.25	420m	25	85	8 input,3 output,tpd 40ns max	E1-3	D16-13a
7 #	SFC4148JM	1	TTL	2.0	80	0.0	5.5	440m	55	125	8 input,3 output,tpd 40ns max	E1-3	D18-3
8 #	SFC4148KM	1	TTL	2.0	80	0.0	5.5	440m	55	125	8 input,3 output,tpd 40ns max	E1-3	D16-13a
9 #	AY5-1012	2	PMS	3.5	80	12	5.0	224mt	0	70	Full Duplex;20k Baud(320kHz Clock)/min	E2-5	D40-2a
10	COM8010	2				0.0	5.0				Low Power Direct TTL Comp	E2-11	DLZ
11	S1757	2	MOS	4.0	50	19	30	370m	0	70	Clock Freq. 160kHz max;DL,DH 200ns max	E2-3	D40-5
12	DAS450	3	HYB	2.0	80	15	15	5.9	0	70	2 PCB 16 Channel;Line±1/2LSB;Acc.0.13%	E3-12	PC8
13	DAS450HP	3	HYB	2.0	80	15	15	5.9	0	70	2 PCB 16 Channel;Line±1/2LSB;Acc.0.13%	E3-12	PC8
14	DAS-8D-LP12B-A1	3	MOS	12	0.0	15	15	600m	0	70	8 Chan Diff;Lin±1/2LSB;Inp Acq Time 150us	E3-4	PC1
15	DAS-8D-LP12B-B1	3	MOS	12	0.0	15	15	600m	0	70	8 Chan Diff;Lin±1/2LSB;Inp Acq Time 150us	E3-4	PC1
16	DAS-8D-LP12B-C2	3	MOS	12	0.0	15	15	600m	0	70	8 Chan Diff;Lin±1/2LSB;Inp Acq Time 150us	E3-4	PC1
17	DAS-8D-LP12B-C3	3	MOS	12	0.0	15	15	600m	0	70	8 Chan Diff;Lin±1/2LSB;Inp Acq Time 150us	E3-4	PC1
18	DAS-8D-LP12B-D2	3	MOS	12	0.0	15	15	600m	0	70	8 Chan Diff;Lin±1/2LSB;Inp Acq Time 150us	E3-4	PC1
19	DAS-8D-LP12B-D3	3	MOS	12	0.0	15	15	600m	0	70	8 Chan Diff;Lin±1/2LSB;Inp Acq Time 150us	E3-4	PC1
20	DAS-16D-LP12B-A1	3	MOS	12	0.0	15	15	240m	0	70	16Chan Diff;Lin ±1/2LSB;InpAcqTime 150 us	E3-4a	PC1a
21	DAS-16D-LP12B-B1	3	MOS	12	0.0	15	15	240m	0	70	16Chan Diff;Lin ±1/2LSB;InpAcqTime 150 us	E3-4a	PC1a
22	DAS-16D-LP12B-C2	3	MOS	12	0.0	15	15	240m	0	70	16Chan Diff;Lin ±1/2LSB;InpAcqTime 150 us	E3-4a	PC1a
23	DAS-16D-LP12B-C3	3	MOS	12	0.0	15	15	240m	0	70	16 Channel;Lin±1/2LSB;Inp Acq Time 150us	E3-4a	PC1a
24	DAS-16D-LP12B-D2	3	MOS	12	0.0	15	15	240m	0	70	16Chan Diff;Lin ±1/2LSB;InpAcqTime 150 us	E3-4a	PC1a
25	DAS-16D-LP12B-D3	3	MOS	12	0.0	15	15	240m	0	70	16Chan;Lin ±1/2LSB;Inp Acq Time 150 us	E3-4a	PC1a
26	DAS-16L-8B1A1	3	MOS			15	15	7.0	0	70	8 Chan,8Bit Bin;0-5V Inp;Acc±.05% of FS	E3-5	PC2
27	DAS-16L-8B1B1	3	MOS	12	0.0	15	15	7.0	0	70	8Chan,8Bit Binary;0-10V Inp;Acc±.05% of FS	E3-5	PC2
28	DAS-16L-8B1C3	3	MOS			15	15	7.0	0	70	8Chan,8Bit Off Bin;5.0V Inp;Acc±.05% of FS	E3-5	PC2
29	DAS-16L-8B1C4	3	MOS			15	15	7.0	0	70	8Chan,8Bit 2s Comp;5.0V Inp;Acc±.05% of FS	E3-5	PC2
30	DAS-16L-8B1D3	3	MOS			20	15	6.2	0	70	8Chan,8Bit Off Bin;±10V Inp;Acc±.05% of FS	E3-5a	PC2
31	DAS-16L-8B1D4	3	MOS			20	15	6.2	0	70	8Chan,8Bit 2s Comp;±10V Inp;Acc±.05% of FS	E3-5a	PC2
32	DAS-16L-8B2A1	3	MOS			15	15	7.0	0	70	16Chan,8Bit Bin;0-5V Inp;Acc±.05% of FS	E3-5	PC2
33	DAS-16L-8B2B1	3	MOS			15	15	7.0	0	70	16Chan,8Bit Bin;0-10V Inp;Acc±.05% of FS	E3-5	PC2
34	DAS-16L-8B2C3	3	MOS			15	15	7.0	0	70	16Chan,8Bit Off Bin;5.0V Inp;Acc±.05% of FS	E3-5	PC2
35	DAS-16L-8B2C4	3	MOS			15	15	7.0	0	70	16Chan,8Bit 2s Comp;5.0V Inp;Acc±.05% of FS	E3-5	PC2
36	DAS-16L-8B2D4	3	MOS			20	15	6.2	0	70	16Chan,8Bit 2s Comp;±10V Inp;Acc±.05% of FS	E3-5a	PC2
37	DAS-16L-8D1A2	3	MOS			15	15	7.0	0	70	8 Chan,2Digit BCD;0-5V Inp;Acc±.05% of FS	E3-5	PC2
38	DAS-16L-8D1B2	3	MOS			15	15	7.0	0	70	8Chan,2Digit BCD;0-10V Inp;Acc±.05% of FS	E3-5	PC2
39	DAS-16L-8D2A2	3	MOS			15	15	7.0	0	70	16Chan,2Digit BCD;0-5V Inp;Acc±.05% of FS	E3-5	PC2
40	DAS-16L-8D2B2	3	MOS			15	15	7.0	0	70	16Chan,2Digit BCD;0-10V Inp;Acc±.05% of FS	E3-5	PC2
41	DAS-16L-10B1A1	3	MOS			15	15	7.0	0	70	8 Chan,10Bit Bin;0-5V Inp;Acc±.05% of FS	E3-5	PC2
42	DAS-16L-10B1B1	3	MOS	12	0.0	15	15	7.0	0	70	8Chan,10Bit Binary;0-10V Inp;Acc±.05% of FS	E3-5	PC2
43	DAS-16L-10B1C3	3	MOS			15	15	7.0	0	70	8Chan,10Bit Off Bin;5.0V Inp;Acc±.05% of FS	E3-5	PC2
44	DAS-16L-10B1C4	3	MOS			15	15	7.0	0	70	8Chan,8Bit 2s Comp;5.0V Inp;Acc±.05% of FS	E3-5	PC2
45	DAS-16L-10B1D3	3	MOS			20	15	6.2	0	70	8Chan,10Bit Off Bin;±10V Inp;Acc±.05% of FS	E3-5a	PC2
46	DAS-16L-10B1D4	3	MOS			20	15	6.2	0	70	8Chan,8Bit 2s Comp;±10V Inp;Acc±.05% of FS	E3-5a	PC2
47	DAS-16L-10B2A1	3	MOS			15	15	7.0	0	70	16Chan,10Bit Bin;0-5V Inp;Acc±.05% of FS	E3-5	PC2
48	DAS-16L-10B2B1	3	MOS			15	15	7.0	0	70	16Chan,10Bit Bin;0-10V Inp;Acc±.05% of FS	E3-5	PC2
49	DAS-16L-10B2C3	3	MOS			15	15	7.0	0	70	16 Chan,10Bit Off Bin;5.0V Inp;Acc±.05% of FS	E3-5	PC2
50	DAS-16L-10B2C4	3	MOS			15	15	7.0	0	70	16 Chan,8Bit 2sComp;5.0V Inp;Acc±.05% of FS	E3-5	PC2
51	DAS-16L-10B2D3	3	MOS			20	15	6.2	0	70	16 Chan,10Bit Off Bin;±10V Inp;Acc±.05% of FS	E3-5a	PC2
52	DAS-16L-10B2D4	3	MOS			20	15	6.2	0	70	16 Chan,8Bit 2sComp;±10V Inp;Acc±.05% of FS	E3-5a	PC2
53	DAS-16L-12B1A1	3	MOS			15	15	7.0	0	70	8 Chan,12Bit Bin;0-5V Inp;Acc±.05% of FS	E3-5	PC2
54	DAS-16L-12B1B1	3	MOS	12	0.0	15	15	7.0	0	70	8Chan,12Bit Binary;0-10V Inp;Acc±.05% of FS	E3-5	PC2
55	DAS-16L-12B1C3	3	MOS			15	15	7.0	0	70	8Chan,10Bit Off Bin;5.0V Inp;Acc±.05% of FS	E3-5	PC2
56	DAS-16L-12B1C4	3	MOS			15	15	7.0	0	70	8Chan,8Bit 2s Comp;5.0V Inp;Acc±.05% of FS	E3-5	PC2
57	DAS-16L-12B1D3	3	MOS			20	15	6.2	0	70	8Chan,10Bit Off Bin;±10V Inp;Acc±.05% of FS	E3-5a	PC2
58	DAS-16L-12B1D4	3	MOS			20	15	6.2	0	70	8Chan,8Bit 2s Comp;±10V Inp;Acc±.05% of FS	E3-5a	PC2
59	DAS-16L-12B2A1	3	MOS			15	15	7.0	0	70	16Chan,12Bit Bin;0-5V Inp;Acc±.05% of FS	E3-5	PC2
60	DAS-16L-12B2B1	3	MOS			15	15	7.0	0	70	16Chan,12Bit Bin;0-10V Inp;Acc±.05% of FS	E3-5	PC2
61	DAS-16L-12B2C3	3	MOS			15	15	7.0	0	70	16 Chan,10Bit Off Bin;5.0V Inp;Acc±.05% of FS	E3-5	PC2
62	DAS-16L-12B2C4	3	MOS			15	15	7.0	0	70	16 Chan,8Bit 2sComp;5.0V Inp;Acc±.05% of FS	E3-5	PC2
63	DAS-16L-12B2D3	3	MOS			20	15	6.2	0	70	16 Chan,10Bit Off Bin;±10V Inp;Acc±.05% of FS	E3-5a	PC2
64	DAS-16L-12B2D4	3	MOS			20	15	6.2	0	70	16 Chan,8Bit 2s Comp;±10V Inp;Acc±.05% of FS	E3-5a	PC2
65	DAS-16L-12D1A2	3	MOS			15	15	7.0	0	70	8 Chan,3Digit BCD;0-5V Inp;Acc±.05% of FS	E3-5	PC2
66	DAS-16L-12D1B2	3	MOS			15	15	7.0	0	70	8Chan,3Digit BCD;0-10V Inp;Acc±.05% of FS	E3-5	PC2
67	DAS-16L-12D2A2	3	MOS			15	15	7.0	0	70	16Chan,3Digit BCD;0-5V Inp;Acc±.05% of FS	E3-5	PC2
68	DAS-16L-12D2B2	3	MOS			15	15	7.0	0	70	16Chan,3Digit BCD;0-10V Inp;Acc±.05% of FS	E3-5	PC2
69	DAS-16M-8B1A1	3	MOS			15	15	7.0	0	70	8 Chan,8 Bit Bin;0-5V Inp;Acc±.025% of FS	E3-5	PC2
70	DAS-16M-8B1B1	3	MOS			15	15	7.0	0	70	8 Chan,8Bit Bin;0-10V Inp;Acc±.025% of FS	E3-5	PC2
71	DAS-16M-8B1C3	3	MOS			15	15	7.0	0	70	8Chan;8Bit Off Bin;5.0V Inp;Acc±.025% of FS	E3-5	PC2
72	DAS-16M-8B1C4	3	MOS			15	15	7.0	0	70	8Chan,8Bit 2s Comp;5.0V Inp;Acc±.025% of FS	E3-5	PC2
73	DAS-16M-8B1D3	3	MOS			20	15	6.2	0	70	8Chan,8Bit Off Bin;±10V Inp;Acc±.025% of FS	E3-5a	PC2
74	DAS-16M-8B1D4	3	MOS			20	15	6.2	0	70	8Chan,8Bit 2s Comp;±10V Inp;Acc±.025% of FS	E3-5a	PC2
75	DAS-16M-8B2A1	3	MOS			15	15	7.0	0	70	16Chan,8Bit Bin;0-5V Inp;Acc±.025% of FS	E3-5	PC2
76	DAS-16M-8B2B1	3	MOS			15	15	7.0	0	70	16Chan,8Bit Bin;0-10V Inp;Acc±.025% of FS	E3-5	PC2
77	DAS-16M-8B2C3	3	MOS			15	15	7.0	0	70	16Chan,8Bit Off Bin;5.0V Inp;Acc±.025% of FS	E3-5	PC2
78	DAS-16M-8B2C4	3	MOS			15	15	7.0	0	70	16Chan,8Bit 2s Comp;5.0V Inp;Acc±.025% of FS	E3-5	PC2
79	DAS-16M-8B2D3	3	MOS			20	15	6.2	0	70	16Chan,8Bit Off Bin;±10V Inp;Acc±.025% of FS	E3-5a	PC2
80	DAS-16M-8B2D4	3	MOS			20	15	6.2	0	70	16Chan,8Bit 2s Comp;±10V Inp;Acc±.025% of FS	E3-5a	PC2
81	DAS-16M-8D1A2	3	MOS			15	15	7.0	0	70	8Chan,2Digit BCD;0-5V Inp;Acc±.025% of FS	E3-5	PC2
82	DAS-16M-8D1B2	3	MOS			15	15	7.0	0	70	8Chan,2Digit BCD;0-10V Inp;Acc±.025% of FS	E3-5	PC2
83	DAS-16M-8D2A2												

25. SPECIAL DEVICES

IN ORDER OF: (1)TYPE CODE &(2)TYPE NUMBER

LINE No.	TYPE NUMBER	TYPE CODE	T E C H N I C A L	INPUT LOGIC LEVEL		RATED PWR. SUPPLY SPAN		MAX. OPERATE PWR. DISS. (W)	OPER. TEMP.		GENERAL DESCRIPTION	DRAWINGS	
				HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)		(-) (°C)	(+) (°C)		LOGIC DWG. No.	OUTLINE DWG. No.
1	DAS-16M-12B2C3	3	MOS			15	15	7.0	0	70	16Chan,10Bit Off Bin;5.0VInp;Acc±.025%ofFS	E3-5	PC2
2	DAS-16M-12B2C4	3	MOS			15	15	7.0	0	70	16Chan,8Bit 2s Comp;5.0VInp;Acc±.025%ofFS	E3-5	PC2
3	DAS-16M-12B2D3	3	MOS			20	15	6.2	0	70	16Chan,10Bit Off Bin;±10VInp;Acc±.025%ofFS	E3-5a	PC2
4	DAS-16M-12B2D4	3	MOS			20	15	6.2	0	70	16Chan,8Bit 2s Comp;±10VInp;Acc±.025%ofFS	E3-5a	PC2
5	DAS-16M-12D1A2	3	MOS			15	15	7.0	0	70	8Chan,3Digit BCD;0-5V Inp;Acc±.025%ofFS	E3-5	PC2
6	DAS-16M-12D1B2	3	MOS			15	15	7.0	0	70	8Chan,3Digit BCD;0-10V Inp;Acc±.025%ofFS	E3-5	PC2
7	DAS-16M-12D2A2	3	MOS			15	15	7.0	0	70	16Chan,3Digit BCD;0-5VInp;Acc±.025% of FS	E3-5	PC2
8	DAS-16M-12D2B2	3	MOS			15	15	7.0	0	70	16Chan,3 Digit BCD;0-10VInp;Acc±.025% of FS	E3-5	PC2
9	DAS-250	3	TTL			15	15	15	0	70	16 Chan,12 Bit;10V;±5V Inp;Acq Time 2.0us	E3-5	PC2
10	MDAS-PG8D	3	TTL			15	15	15	0	70	8 Chan,12 Bit Differential;Prog Gain		
11	MDAS-PG16D	3	TTL			15	15	15	0	70	16 Chan,12 Bit Single Ended;Prog Gain		
12	10014DM	4	ECL	.98	1.65	5.2	0.0	62m†	55	125	Active Terminator	E4-3	D16-7f
13	10014FM	4	ECL	.98	1.65	5.2	0.0	62m†	55	125	Active Terminator	E4-3	F16-3
14	CH1070	4				28	0.0	500mΩ	25	75	Blanking;Blank Vo 8.0V max;Res15Ω;tpd50ns	E4-1	MD3a
15	SCL-1	5		2.0	.80	0.0	5.0	1.2	0	70	For a 16 Channel Data Acquisition System	E5-1	MD55
16	SCL-CM	5		12	0.0	0.0	15	120m	0	70	For a Low Power 16 Channel Data Acq Sys	E5-2	MD56
17	COM8146	6	MNG	2.4	.80	0.0	5.0	5.0	0	70	Baud Rate Generator Prog. Divider	E6-32	DL†
18	ED-9	6	CMS	2.7	2.5	0.0	5.0	5.0	0	70	Programmable Encoder/Decoder;18 Pin Dip	E6-37	D18-24
19	812-R100KB12	7				0.0	20	20	55	125	12 Bit Sw.Ntwk. for DAC:Max Error ±122ppm	E7-60a	MD222
20	812C-R50KA9	7				0.0	20	20	80	120	12 Bit Sw.Ntwk. for DAC:Max Error ±976ppm	E7-61	MD222
21	812C-R50KA10	7				0.0	20	20	80	120	12 Bit Sw.Ntwk. for DAC:Max Error ±488ppm	E7-61	MD222
22	812C-R50KA11	7				0.0	20	20	80	120	12 Bit Sw.Ntwk. for DAC:Max Error ±244ppm	E7-61	MD222
23	812C-R50KA12	7				0.0	20	20	80	120	12 Bit Sw.Ntwk. for DAC:Max Error ±122ppm	E7-61	MD222
24	812C-R50KB9	7				0.0	20	20	55	125	12 Bit Sw.Ntwk. for DAC:Max Error ±976ppm	E7-61	MD222
25	812C-R50KB10	7				0.0	20	20	55	125	12 Bit Sw.Ntwk. for DAC:Max Error ±488ppm	E7-61	MD222
26	812C-R50KB11	7				0.0	20	20	55	125	12 Bit Sw.Ntwk. for DAC:Max Error ±244ppm	E7-61	MD222
27	812C-R50KB12	7				0.0	20	20	55	125	12 Bit Sw.Ntwk. for DAC:Max Error ±122ppm	E7-61	MD222
28	816-50-A1	7				20	200	200	0	70	12 Bit Curr Sum Network:Max Error .009%	E7-6	D24-17
29	816-50-A2	7				20	200	200	0	70	12 Bit Curr Sum Network:Max Error .024%	E7-6	D24-17
30	816-50-B1	7				20	200	200	55	125	12 Bit Curr Sum Network:Max Error .006%	E7-6	D24-17
31	816-50-B2	7				20	200	200	55	125	12 Bit Curr Sum Network:Max Error .024%	E7-6	D24-17
32	816-55-A1	7				20	100	100	0	70	12 Bit Volt Sum Network:Max Error .012%	E7-7	D16-33
33	816-55-A2	7				20	100	100	0	70	12 Bit Volt Sum Network:Max Error .05%	E7-7	D16-33
34	816-55-B1	7				20	100	100	55	125	12 Bit Volt Sum Network:Max Error .012%	E7-7	D16-33
35	816-55-B2	7				20	100	100	55	125	12 Bit Volt Sum Network:Max Error .05%	E7-7	D16-33
36	2502C/D	7	TTL	2.0	.80	0.0	5.0	475m	0	75	8Bit Successive Approx. Registers	E7-18	CH12
37	2502CJE	7	TTL	2.0	.80	0.0	5.0	475m	0	75	8Bit Successive Approx. Registers	E7-18	D16-21a
38	2502CPE	7	TTL	2.0	.80	0.0	5.0	475m	0	75	8Bit Successive Approx. Registers	E7-18	D16-18a
39	2502M/D	7	TTL	2.0	.80	0.0	5.0	425m	55	125	8Bit Successive Approx. Registers	E7-18	CH12
40	2502MJE	7	TTL	2.0	.80	0.0	5.0	425m	55	125	8Bit Successive Approx. Registers	E7-18	D16-21a
41	2503C/D	7	TTL	2.0	.80	0.0	5.0	450m	0	75	8Bit Successive Approx. Registers	E7-18a	CH12
42	2503CJE	7	TTL	2.0	.80	0.0	5.0	450m	0	75	8Bit Successive Approx. Registers	E7-18a	D16-21a
43	2503CPE	7	TTL	2.0	.80	0.0	5.0	450m	0	75	8Bit Successive Approx. Registers	E7-18a	D16-18a
44	2503M/D	7	TTL	2.0	.80	0.0	5.0	400m	55	125	8Bit Successive Approx. Registers	E7-18a	CH12
45	2503MJE	7	TTL	2.0	.80	0.0	5.0	400m	55	125	8Bit Successive Approx. Registers	E7-18a	D16-21a
46	2504C/D	7	TTL	2.0	.80	0.0	5.0	625m	0	75	12Bit Successive Approx. Registers	E7-18b	CH12
47	2504CJG	7	TTL	2.0	.80	0.0	5.0	625m	0	75	12Bit Successive Approx. Registers	E7-18b	D24-18
48	2504CPE	7	TTL	2.0	.80	0.0	5.0	625m	0	75	12Bit Successive Approx. Registers	E7-18b	D24-12a
49	2504M/D	7	TTL	2.0	.80	0.0	5.0	550m	55	125	12Bit Successive Approx. Registers	E7-18b	CH12
50	2504MJG	7	TTL	2.0	.80	0.0	5.0	550m	55	125	12Bit Successive Approx. Registers	E7-18b	D24-18
51	7460	7				50	50	50	55	100	4 Bit 1k/2k Ladder Network;TC 100ppm/°C	E7-28	D08-16
52	7461	7				50	50	50	55	100	6 Bit 1k/2k Ladder Network;TC 100ppm/°C	E7-29	D14-24
53	ICL710EV/KIT	7	CMS	4.0	3.01%	0.0	5.0	1.0k	0	70	3 1/2 Digit Single Chip A/D Converter	E7-31	
54	ICL710EV/KIT	7	CMS	4.0	3.01%	0.0	5.0	1.0k	0	70	3 1/2 Digit Single Chip A/D Converter	E7-31	
55	ICL8051ACPD	7	BFT	2.4%	.40%	15	15	500mΩ	0	70	4.5 Digit A/D Converter;See ICL71C03ACPI	BA163	D14-40a
56	ICL8053ACDD	7	MOS			15	5.0	500mΩ	0	70	4-1/2 Digit A/D Pair w/ICL 8052 ACDD	E7-23a	D14-17
57	ICL9053CDD	7	MOS			15	5.0	500mΩ	0	70	3-1/2 Digit A/D Pair w/ICL 8052 CDD	E7-23a	D14-17
58	MC1407L	7		4.0	.50%	15	15	1.0	0	75	A/D Control Ckt;Op-Amp,Comparator	E7-27	D16-34
59	MC1507L	7		4.0	.50%	15	15	1.0	0	75	A/D Control Ckt;Op-Amp,Comparator	E7-27	D16-34
60	MN120	7	TFT			50	50	50	55	125	13 Bit 50k/100k Ladder Netwk;TC 50ppm/°C	E7-24	D16-17e
61	MN121	7	TFT			50	50	50	55	125	12 Bit 50k/100k Ladder Netwk;TC 50ppm/°C	E7-25	D16-17e
62	MN121-10	7	TFT			50	50	50	55	125	10 Bit 50k/100k Ladder Netwk;TC 50ppm/°C	E7-25	D16-17e
63	MN121-11	7	TFT			50	50	50	55	125	11 Bit 50k/100k Ladder Netwk;TC 50ppm/°C	E7-25	D16-17e
64	MN160	7	TFT			50	50	50	55	125	12 Bit 10k/20k Ladder Netwk;TC 50ppm/°C	E7-25	D16-17e
65	MN160-10	7	TFT			50	50	50	55	125	10 Bit 10k/20k Ladder Netwk;TC 50ppm/°C	E7-25	D16-17e
66	MN160-11	7	TFT			50	50	50	55	125	11 Bit 10k/20k Ladder Netwk;TC 50ppm/°C	E7-25	D16-17e
67	S1907A	7	MOS	-1.0	-6.0	30	30	30	0	70	3 1/2 DVM Counter/Display Driver	E7-26	D40-5
68	ULN2140H	7		2.0	.80	15	15	240m	0	70	Quad Curr Sw;Non-Linearity 50% max	E7-39	D14-2c
69	ULN2141A	7		2.0	.80	15	15	240m	0	70	Quad Curr Sw;Non-Linearity 05% max	E7-39	D14-12b
70	ULN2141H	7		2.0	.80	15	15	240m	0	70	Quad Curr Sw;Non-Linearity 05% max	E7-39	D14-2c
71	ULN2142A	7		2.0	.80	15	15	240m	0	70	Quad Curr Sw;Non-Linearity 01% max	E7-39	D14-12b
72	ULN2142H	7		2.0	.80	15	15	240m	0	70	Quad Curr Sw;Non-Linearity 01% max	E7-39	D14-2c
73	ULS2140A	7		2.0	.80	15	15	240m	55	125	Quad Curr Sw;Non-Linearity 50% max	E7-39	D14-12b
74	ULS2141A	7		2.0	.80	15	15	240m	55	125	Quad Curr Sw;Non-Linearity 05% max	E7-39	D14-12b
75	ULS2141H	7		2.0	.80	15	15	240m	55	125	Quad Curr Sw;Non-Linearity 05% max	E7-39	D14-2c
76	ULS2142A	7		2.0	.80	15	15	240m	55	125	Quad Curr Sw;Non-Linearity 01% max	E7-39	D14-12b
77	ULS2142H	7		2.0	.80	15	15	240m	55	125	Quad Curr Sw;Non-Linearity 01% max	E7-39	D14-2c
78	VADC-8/17	7	HYB	2.4	.80	15	15	17	0	70	8 Bit 17MHz Video Digitizer	E7-39	MD180
79	DE320DP	11	CMS	2.99	.01%	0.0	3.0	1.0	40	85	Telephone Sys Loop Disconnect Dialer	E11-1	D18-13a
80	MH88200	11	HYB	8.0	4.0	0.0	12	360m*	0	70	Hyb Dual Tone Multi freq Recvr/Decoder	E11-4	MD190
81	MT8820AJ	11	CMS	9.0†	6.0†	0.0	15	37m*†	40	85	LSI Dual Tone Multi Freq Recvr/Decoder	E11-6	DL†
82	MT8820AN	11	CMS	9.0†	6.0†	0.0	15	37m*†	40	85	LSI Dual Tone Multi Freq Recvr/Decoder	E11-6	DL†
83#	DN6835	12				0.0	6.0	90m	20	75	Hall Effect Sensor and Amplifier	E12-2	MD217
84#	DN6837	12				0.0	6.0	90m	20	75	Hall Effect Sensor and Amplifier	E12-3	MD217
85#	DN6838	12				0.0	18	100m	40	100	Hall Effect Sensor and Amplifier	E12-4	MD217
86	1623-FCI-03	13	TTL	90*		15	15	2.5	0	70	14 Bit Syn-Dig Conv;Ref 50/60Hz,115V	E13-21	MD229b
87	1637-3CS089100RC	P883				15	15	1.4	0	70	Offset,DC Ref,Conn,Potted,HI-Rel Options		MD263
88	1637-3MS08900RC	P883				15	15	1.4	55	85	Offset,DC Ref,Conn,Potted,HI-Rel Options		MD263
89	1637-3MS089100RC	P883				15	15	1.4	55	85	Offset,DC Ref,Conn,Potted,HI-Rel Options		MD263
90	1661B-MO2	13	TTL	11.8*	90*	0.0	15	750m	55	105	16 Bit ±1 min Syn-Dig Conv;Ref400Hz,115V		MD234
91	3207	13	HYB			15	15	15	55	105	14 Bit BIN S/D Conv;90L-Volt 440Hz Freq		MD†
92	3221	13	HYB			15	15	15	55	105	14 Bit BIN S/D Conv;11.8L-Volt 440Hz Fr		MD†
93	3282	13	HYB			15	15	15	55	105	14 Bit BIN R/D Conv;26L-L Volt 440Hz Freq		MD†
94	3293	13	HYB			15	15	15	55	105	X Former for Proc MOD SC 8450		MD†
95	3548	13	HYB			15	15	15	55	105	14 Bit BIN R/D Conv;11.8L-Volt 440Hz Fr		MD†
96	3549	13	HYB			15	15	15	55	105	14 Bit BIN R/D Conv;90L-L Volt 440Hz Freq		MD†
97	3732	13	HYB			15	15	15	55	105	X Former for Proc MOD SC8451 66Hz Freq		MD†
98	3733	13	HYB			15	15	15	55	105	14 Bit BIN S/D Conv;90L-L Volt 440Hz Freq		MD†
99	9500-2	13	HYB			17	17	17	55	105	16 Bit HYB S/D Conv;4.0 min/Accuracy		

25. SPECIAL DEVICES

IN ORDER OF: (1)TYPE CODE &(2)TYPE NUMBER

INTERFACE

LINE No.	TYPE NUMBER	TYPE CODE	TECHN	INPUT LOGIC LEVEL		RATED PWR. SUPPLY SPAN		MAX. OPERATE PWR. DISS. (W)	OPER. TEMP.		GENERAL DESCRIPTION	DRAWINGS		
				HIGH (min) (V)	LOW (max) (V)	NEG. (V)	POS. (V)		(-) (°C)	(+) (°C)		LOGIC DWG. No.	OUTLINE DWG. No.	
1	9506.4	13	HYB			17	17		55	105	16 Bit HYB S/D Conv:45-1000Hz Freq		MD207	
2	9508.2	13	HYB			17	17		55	105	16 Bit HYB S/D Conv:350-1000Hz Freq		MD207	
3	9508.4	13	HYB			17	17		55	105	16 Bit HYB S/D Conv:350-1000Hz Freq		MD207	
4	9509.2	13	HYB			17	17		55	105	16 Bit HYB R/D Conv:90L-Volt 4.0 Acc		MD207	
5	9509.4	13	HYB			17	17		55	105	16 Bit HYB R/D Conv:90L-Volt 5.3 Acc		MD207	
6	9510.2	13	HYB			17	17		55	105	16 Bit HYB R/D Conv:26L-Volt 4.0 Acc		MD207	
7	9510.4	13	HYB			17	17		55	105	16 Bit HYB R/D Conv:26L-Volt 5.3 Acc		MD207	
8	9515.2	13	HYB			17	17		55	105	16 Bit HYB R/D Conv:90L-Volt 4.0 Acc		MD207	
9	9515.4	13	HYB			17	17		55	105	16 Bit HYB R/D Conv:90L-Volt 5.3 Acc		MD207	
10	9516.2	13	HYB			17	17		55	105	16 Bit HYB R/D Conv:26L-Volt 4.0 Acc		MD207	
11	9516.4	13	HYB			17	17		55	105	16 Bit HYB R/D Conv:26L-Volt 5.3 Acc		MD207	
12	C670.090ABC	13				15	15	1.4	0	70	Lin DC-Sine/Cos:0° to 90° V-Ang			
13	C670.090BC	13				15	15	1.4	0	70	Lin DC-Sine/Cos: 90° to 90° V-Ang			
14	C670.090M	13				15	15	1.4	55	85	Lin DC-Sine/Cos 90° to -90° V-Ang			
15	C670.090MP	13				15	15	1.4	55	85	Lin DC-Sine/Cos:0° to 90° V-Ang;pot.req.			
16	C670.180ABC	13				15	15	1.4	0	70	Lin DC-Sine/Cos:0° to 180° V-Ang			
17	C670.180BC	13				15	15	1.4	0	70	Lin DC-Sine/Cos:180° to -180° V-Ang			
18	C670.180M	13				15	15	1.4	55	85	Lin DC-Sine/Cos:180° to -180° V-Ang			
19	DDC-8553	13	HYB			15	15	1.4	55	125	Transceiver;Low S/N Ratio; TTL Compat.	E13-30	MD11f	
20	HMRDC-H4	13	HYB			15	15	1.2	55	105	14 Bit R/D Conv:90V Sig:400Hz	13-12	MD207	
21	HMRDC-L4	13	HYB			15	15	1.2	55	105	14 Bit R/D Conv:11.8V Sig:400Hz	13-12	MD207	
22	HMRDC-M4	13	HYB			15	15	1.2	55	105	14 Bit R/D Conv:26V Sig:400Hz	13-12	MD207	
23	HMSDC-H4	13	HYB			15	15	1.2	55	105	14 Bit S/D Conv:90V Sig:400Hz	13-12	MD207	
24	HMSDC-L4	13	HYB			15	15	1.2	55	105	14 Bit S/D Conv:11.8V Sig:400Hz	E13-12	MD207	
25	K678-1M260100RC	13			90%	15	15	1.4	55	85	0 to 10VDC;Offset Feature;DC Ref;Conn.		MD262a	
26	K678-4C180/SORC	13			90%	15	15	1.4	0	70	0 to 5VDC;Offset Feature;DC Ref;Conn.		MD262a	
27	K678-7C180/CORC	13			99%	15	15	1.4	0	70	0 to 5VDC;Offset Feature;DC Ref;Conn.		MD262a	
28	K6678-1C18010	13				15	15	1.4			Acc ±6 at 25°C;See K678 Series Options		MD262	
29	L68-9C18005ORC	13			11.8%	15	15	1.4	0	70	-5V to 5VDC;Offset Feature;DC Ref;Conn		MD262a	
30	L678-1C180100RC	13			90%	15	15	1.4	0	70	-10V to 10VDC;Offset Feature;DC Ref;Conn		MD262a	
31	L678-2-1M180/5	13			90%	15	15	1.4	55	85	Syn-Lin DC Conv:50/60Hz,115V,-180° to 180°		MD262	
32	L678-2-1M36005	13			90%	15	15	1.4	55	85	Syn-Lin DC Conv:50/60Hz,115V,0 to 360°		MD262	
33	L678-2-1M36010	13			90%	15	15	1.4	55	85	Syn-Lin DC Conv:50/60Hz,115V,0 to 360°		MD262	
34	L678-3-1M180/5	13			11.8%	15	15	1.4	55	85	Syn-Lin DC Conv:400Hz,26V,-180° to 180°		MD262	
35	L678-3C180100RC	13			11.8%	15	15	1.4	0	70	-10V to 10VDC;Offset Feature;DC Ref;Conn		MD262a	
36	L678-4-1M180/5	13			90%	15	15	1.4	55	85	Res-Lin DC Conv:400Hz,115V,-180° to 180°	TO	MD262	
37	L678-4C180100RC	13			90%	15	15	1.4	0	70	-10V to 10VDC;Offset Feature;DC Ref;Conn		MD262a	
38	L678-6-1M180/5	13			11.8%	15	15	1.4	55	85	Res-Lin DC Conv:400Hz,26V,-180° to 180°		MD262	
39	L678-6C180100RC	13			11.8%	15	15	1.4	0	70	-10V to 10VDC;Offset Feature;DC Ref;Conn		MD262a	
40	L678-7-1M180/5	13			99%	15	15	1.4	55	85	FV-Lin DC Conv:400Hz,26V,-180° to 180°		MD262	
41	L678-7-1M36005	13			99%	15	15	1.4	55	85	FV-Lin DC Conv:400Hz,26V,0 to 360°		MD262	
42	L678-7-1M36010	13			99%	15	15	1.4	55	85	FV-Lin DC Conv:400Hz,26V,0 to 360°		MD262	
43	L678-7C180100RC	13			99%	15	15	1.4	0	70	-10V to 10VDC;Offset Feature;DC Ref;Conn		MD262a	
44	L678-8-1M180/5	13			57.5%	15	15	1.4	55	85	Syn-Lin DC Conv:50/60Hz,115V,-180° to 180°		MD262	
45	L678-8-1M36010	13			57.5%	15	15	1.4	55	85	Syn-Lin DC Conv:50/60Hz,115V,0 to 360°		MD262	
46	L678-8C180100RC	13			57.5%	15	15	1.4	0	70	-10V to 10VDC;Offset Feature;DC Ref;Conn		MD262a	
47	L678-8N180100RC	13			57.5%	15	15	1.4	55	85	-10V to 10VDC;Offset Feature;DC Ref;Conn		MD262a	
48	L678-9-1M180/5	13			11.8%	15	15	1.4	55	85	Syn-Lin DC Conv:400Hz,115V,-180° to 180°		MD262	
49	L678-9C180100RC	13			11.8%	15	15	1.4	0	70	-10V to 10VDC;Offset Feature;DC Ref;Conn		MD262a	
50	L678-718005ORC	13			99%	15	15	1.4	0	70	-5V to 5VDC;Offset Feature;DC Ref;Conn		MD262a	
51	L678-836005	13			57.5%	15	15	1.4	0	70	Syn-Lin DC Conv:50/60Hz,115V,0 to 360°		MD262	
52	MN2120	13	HYB		3.0	-3.0	15	15	91m	0	70	Sync Demod for Resolver/Digital Conv	E7-38	MD101b
53	MN2120H	13	HYB		3.0	-3.0	15	15	91m	55	125	Sync Demod for Resolver/Digital Conv	E7-38	MD101b
54	N1678C-2B	13	TTL		90%		0.0	28	6.1	0	70	12 Bit ±8.5min Dig Syn Conv;Ref 400Hz,115V		MD229d
55	RDC-36-6-1	13			90%		15	15	6.0	55	105	2-Speed, 16 Bit R/D:115V,60Hz Ref:4 Units		MD207
56	RDC-36-6-3	13			90%		15	15	6.0	0	70	2-Speed, 16 Bit R/D:115V,60Hz Ref:4 Units		MD207
57	RDC-36-H-1	13			90%		15	15	6.0	55	105	2-Speed, 16 Bit R/D:115V,400Hz Ref:2 Units		MD207
58	RDC-36-H-3	13			90%		15	15	6.0	0	70	2-Speed, 16 Bit R/D:115V,400Hz Ref:2 Units		MD207
59	RDC-36-L-1	13			11.8%		15	15	6.0	55	105	2-Speed, 16 Bit R/D:26V,400Hz Ref:2 Units		MD207
60	RDC-36-L-3	13			11.8%		15	15	6.0	0	70	2-Speed, 16 Bit R/D:26V,400Hz Ref:2 Units		MD207
61	SDC5111-1	13	HYB		90%		0	15	2.8	55	125	S/O,R/O Conv:±179.9° Track Angle	E13-9	MD205
62	SDC5111-3	13	HYB		90%		0	15	2.8	0	70	S/O,R/O Conv:±179.9° Track Angle	13-9	MD205
63	SDC522-TT-6-1	13	HYB				15	15		55	125	12 Bit S/D,R/D Conv;Acc:±6 Min:±0.9LSB	13-7	
64	SDC522-TT-6-3	13	HYB				15	15		0	70	12 Bit S/D,R/D Conv;Acc:±6 Min:±0.9LSB	13-7	
65	SDC522-TT-H-1	13	HYB				15	15		55	125	12 Bit S/D,R/D Conv;Acc:±6 Min:±0.9LSB	13-7	
66	SDC522-TT-H-3	13	HYB				15	15		0	70	12 Bit S/D,R/D Conv;Acc:±6 Min:±0.9LSB	13-7	
67	SDC522-TT-L-1	13	HYB				15	15		55	125	12 Bit S/D,R/D Conv;Acc:±6 Min:±0.9LSB	13-7	
68	SDC522-TT-L-3	13	HYB				15	15		0	70	12 Bit S/D,R/D Conv;Acc:±6 Min:±0.9LSB	13-7	
69	SDC522-TT-I-3	13	TTL				15	15		0	70	12 Bit S/D,R/D Conv;Acc:±6min:±0.9LSB	13-7	
70	SDC-522-TT-I-1	13	TTL				15	15		55	105	12 Bit S/D,R/D Conv;Acc:±6min:±0.9LSB	13-7	
71	SOC1726512	13	TTL				15	15	1.4	0	70	10-Bit Resolution Syncro to Dig Conv	13-24	MD235
72	TD-100CM-6	13	HYB		2.0	.80	15	15	2.6	0	70	12 Bit Dig to Synchro Conv;Vo 90V	7-34	MD179
73	TD-100CM-H	13	HYB		2.0	.80	15	15	2.6	0	70	12 Bit Dig to Synchro Conv;Vo 90V	7-34	MD179
74	TD-100CM-L	13	HYB		2.0	.80	15	15	2.6	0	70	12 Bit Dig to Synchro Conv;Vo 11.8V	7-34	MD179
75	TD-101CMB-1	13	HYB				15	15		55	85	12 Bit Hi PWR D/S Torque Driver	13-27	
76	TD-101CMB-3	13	HYB				15	15		0	70	12 Bit Hi PWR D/S Torque Driver	13-27	
77	IM6403AMDL	16	CMS		2.8	.80	0.0	12	5.5m	55	125	CMOS/LSI Universal Asyn. Rec. Trans E	E16	D40-7

INTERPRETER SYMBOLS & CODES

TYPE No. CROSS INDEX & TECHNICAL SECTIONS

- △ Indicators of separate manufacturers producing same type number (non-JEDEC) whose characteristics are not the same.
- # This manufacturer-identifying symbol (assigned by D.A.T.A.) is an integral part of the type number (in Type No. Cross Index, Technical Data Sections) to avoid the possibility of confusing the device of one manufacturer with the devices of the others.

Example:	Type No.	Manufacturer	Description
(simulated information)	DD31	CCD	Shift Register
	DD31	CLC	RAM
	DD31	ZEL	ROM

- # 1, #2... The modifier is designated by D.A.T.A. to distinguish between type no. designations which give only one type no. but have more than one electrical function or package.
- %... (Sect. 4 & 6) Device requires companion device to complete code; see logic drawing.
- PR... Suffix indicates device is a preliminary type.
- RT... Suffix indicates device is a replacement type.

LINE NO.
▼ - New Type
◆ - Revised Specification
- Manufactured Outside U.S.A.

SYMBOLS & CODES COMMON TO ALL TECHNICAL SECTIONS

NOTE: UNLESS OTHERWISE INDICATED, ALL CHARACTERISTICS APPLY OVER THE ENTIRE OPERATING TEMPERATURE RANGE.

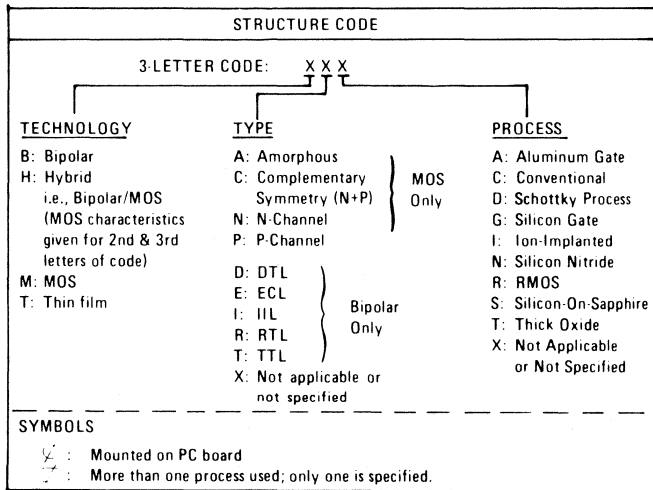
OUTLINE DRAWINGS	
CY	- TO 5-type (non-JEDEC)
CH	- Chip Package
FL	- Flat package (non-JEDEC)
ML	- Molded or encapsulated package not included in other categories.
MO	- Standard JEDEC outline
PL	- Printed circuit board
TO	- Standard JEDEC outline
□	- Package style only shown; no dimensions.

MAX. OPERATING POWER DISSIPATION	
†	- Typical
*	- Minimum
%	- Per bit
◆	- Quiescent power dissipation
△	- Absolute maximum
⊖	- At 25°C

INPUT LOGIC LEVEL: MAX. '0'	
†	- Typical
*	- Minimum
%	- Output (not Input) value given. (This also applies for value given for '1' level.)
◆	- Bipolar load only; can be adjusted for the MOS load. (Applies for '1' level value, also)
⊖	- At 25°C

MINIMUM OUTPUT SINK CURRENT	
†	- Typical
#	- Maximum
⊖	- Minimum output source current
◆	- Minimum output high current
△	- Maximum output leakage current
%	- Minimum driving (fanout) current
⊖	- Absolute max. rated output current
⊖	- At 25°C

LOGIC/BLOCK DRAWINGS	
A	- RAMs
B	- ROMs
C	- Character Generators
E	- Code Converters
F	- Shift Registers
Z	- Special Devices
⊖	- Optional Terminal Connections available; consult manufacturer



OPERATING TEMPERATURE CODE

0- 0 up to 10°C
 1- 10 up to 20°C
 2- 20 up to 30°C
 3- 30 up to 40°C
 4- 40 up to 50°C
 5- 50 up to 60°C
 6- 60 up to 70°C
 7- 70 up to 80°C
 8- 80 up to 90°C
 9- 90 up to 100°C
 A- 100 up to 110°C
 B- 110 up to 120°C
 C- 120 up to 130°C
 D- 130 up to 140°C
 E- 140 up to 150°C
 F- 150 up to 160°C
 G- 160 up to 170°C
 H- 170 up to 180°C
 J- 180 up to 190°C
 K- 190 up to 200°C

▼ - USED IN NEGATIVE COLUMN TO INDICATE VALUE IS POSITIVE

EXAMPLES OF OPERATING TEMP. RANGE CODE:

5	C
Min. value Lies between -50°C and -60°C	Max. value Lies between +120°C and +130°C
O R	
1	8
Min. value Lies between +10°C and +20°C	Max. value Lies between +80°C and +90°C

2. READ-WRITE MEMORIES (RAMS)

LINE No	TYPE No	ORGANIZATION		MAX. WRITE PERIOD	MAX. OPER. CYCLE TIME	MAX. POWER DISSIP. (W)	RATED POWER SUPPLY SPAN (V)	INPUT LOGIC LEVELS		MIN. OUTPUT SINK CURRENT (A)	MIN. OPER. CLOCK RANGE (Hz)	OPER. TEMP. RANGE	DRAWINGS
		No. WORDS	WORD CODE					MAX. MIN.	MIN. (V)				
3	4	5	7	8	10	11	13	15	16				

- 3** ⊖ - No. of words is variable; types listed on separate lines with D.A.T.A. modifiers (≠ 1, = 2, etc.) added to type no.
- ⊖ - More than one circuit

- 4** ⊖ - No. of bits/word variable
- △ - Multi-word output
- % - 128
- * - 256

• SEE SYMBOLS AND CODES COMMON TO ALL TECHNICAL SECTIONS

▼ TYPE NO. SYMBOLS AND CODES AT TOP OF INTERPRETER CARD

- 5** LETTER
D - Dynamic
S - Static
- SYMBOL**
% - Type can be operated in either mode (dynamic or static); listed on separate lines with D.A.T.A. modifiers (≠ 1, = 2, etc.) added to type no.
- ⊖ - Multifunction circuit; see circuit diagram

- 7** † - Typical
* - Minimum
⊖ - Propagation delay
⊖ - At 25°C
◆ - Other than 25°C

- 8** † - Typical
* - Minimum
⊖ - Min. write-pulse width
△ - Max. read-write cycle time
⊖ - At 25°C
% - Sum of min. write-pulse width and max. write-pulse delay time

NOTE: t_{wc} (min) → @ max value; specified as min or max as indicated by manufacturer. Meaning is identical.

- 10 11** # - Absolute max.
- 13** † - Typical
- Maximum
△ - Open collector/drain output
⊖ - Three-state output
- 15** ◆ - V_{in}
- 16** † - Typical
- Maximum
△ - Max. refresh time (inverted)
⊖ - At 25°C

NOTE: This column applies for dynamic (not static) devices.

INTERPRETER SYMBOLS & CODES

3. READ ONLY MEMORIES (ROMS)

LINE No.	TYPE No.	ORGANIZATION		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
		1	2															
		No. WORDS	PER WORD	BITS	MODE	TRUC	MAX ACCESS TIME (S)	OPER. POWER DISS (W)	MAX. POWER SPAN (V)	RATED INPUT LEVELS (V)	MIN. CURRENT (A)	MAX. SINK CURRENT (A)	TEMP. RANGE (°C)	OPER. RANGE (V)	GENERAL DESCRIPTION	LOGIC/OUTLINE BLOCK		

3 \$ - No. of words is variable; types listed on separate lines with D.A.T.A. modifiers (#1, #2, etc.) added to type no.
§ - More than one circuit

4 \$ - No. of bits/word is variable

14 ◆ - V_{in}

5 2-LETTER CODE: X X

OPERATING MODE	PROGRAM CODE
D: Dynamic (see description column for max. refresh time or min. clock freq.)	C: Mask programmable: custom program
S: Static	E: Electrically programmable
	S: Mask programmable: standard program (see the description column for program).

SYMBOLS
%: Type can be operated in either mode (dynamic or static); listed on separate lines with D.A.T.A. modifiers (#1, #2, etc.) added to type number; see Cross Index.

7 † - Typical
* - Minimum
\$ - Propagation delay
△ - Cycle time
⊗ - At 25°C
◆ - Other than 25°C

17 CS - Chip Select
EAROM - In-circuit Alterable ROM
EPROM - UV Erasable ROM
fc - Min. clock frequency
FO - Fan Out
KE - Key Encoder
PLA - Programmable Logic Array (see PLA in Sec. 20-Special Memory Devices)
PR - Program
PROM - Fusible Link ROM
Pwr Sw - Power Switched/Power Down Capability
RMM - Read Mostly Memory
Std - Standard
TA - Transistor Array (see TRA in Sec. 20-Special Memory Devices)
TR - Max. refresh time
Vol. - Volatile

9 10 # - Absolute max.

12 † - Typical
- Maximum
△ - Open collector/drain output
§ - Three-state output
φ - Active Pull-up (Totem Pole)

4. CHARACTER GENERATORS

LINE No.	TYPE No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

3 3-LETTER CODE X X X

OPERATING MODE	FONT	DISPLAY
D: Dynamic	A: ASCII	A: Row or Column scan
S: Static	B: Alpha	C: Raster: Column scan
	C: Custom	R: Raster: Row scan
	E: EBCDIC	S: Segment or dot
	H: Hollerith (compressed)	T: CRT
	N: Numeric	X: Not specified
	S: Selectric	
	X: Not specified	

SYMBOLS
§ - Does not scan complete line; scans characters by sections.
⊗ - Scans two lines at the same time.
% - Operates in more than one mode; indicated by the addition of D.A.T.A. modifier (#1, #2, etc.) to type number.
\$ - Includes Japanese font * - Math symbols
⊗ - Includes Greek font # - Alphanumeric control characters
△ - Shifted characters ◆ - Special symbols

4 \$ - No. of characters variable; types listed on separate lines with D.A.T.A. modifiers (#1, #2, etc.) added to type number.
⊗ - No. shown represents only half of complete code; other half is generated by companion device.

8 † - Typical
* - Minimum
\$ - Propagation delay
△ - Cycle time
⊗ - At 25°C
◆ - Other than 25°C

5 \$ - No. of bits/character is variable.
⊗ - Two devices required to generate complete scan.
§ - No. of bits/character includes shift control.

10 11 # - Maximum

13 † - Typical
- Maximum
△ - Open collector/drain output
§ - Three-state output

6 LETTER CODE:
A: 7 x 8 Array

SYMBOLS:
§ : Individual characters scanned by one-half the outputs

15 ◆ - V_{in}

6. CODE CONVERTERS

LINE No.	TYPE No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

3 4 NUMBER:

- | | |
|---------------|-----------------|
| 1 - USASCII | 6 - Hollerith |
| 2 - EBCDIC | 7 - 96-column |
| 3 - Selectric | 8 - Key Encoded |
| 4 - BCD | 9 - Custom |
| 5 - Binary | 10 - Baudot |
| | 11 - EIA RS244A |

SYMBOL: ("From" column)

% - Device has more than one conversion capability; listed on separate lines.

6 7 ⊗ - Includes even parity bit
⊗ - Includes odd parity bit
§ - Includes both odd and even parity bits

10 † - Typical
* - Minimum
\$ - Propagation delay
△ - Cycle time
⊗ - At 25°C
◆ - Other than 25°C
% - Key bounce delay

5 \$ - No. of words is variable; types listed on separate lines with D.A.T.A. modifiers (#1, #2, etc.) added to type no.

§ - More than one circuit
◆ - No. of words per separate code conversion

* - Product of keys x modes for keyboard encoders
Note: Adjacent column (No. Code Bits IN) gives no. of keys.

8 LETTER
D - Dynamic
S - Static

SYMBOL
% - Type can be operated in either mode (dynamic or static); listed on separate lines with D.A.T.A. modifiers (#1, #2, etc.) added to type no.

12 13 # - Absolute max.

15 † - Typical
- Maximum
△ - Open collector/drain Output
§ - Three-state output

17 ◆ - V_{in}

INTERPRETER SYMBOLS & CODES

7. SHIFT REGISTERS

LINE No.	TYPE No.	ORGANIZATION	OPER	MAX WORST CASE FREQ (Hz)	STRUC TURE (W)	MAX OPER POWER (W)	RATED SUP SPAN (V)	INPUT LOGIC LEVELS (V)	MAX PROP DELAY (s)	MIN OUTPUT CURRENT (A)	MIN OPER CLOCK FREQ (Hz)	RANGE CODE	LOGIC/OUTLINE BLOCK	DRAWINGS
3	4	5	6	9	10	12	13	15	16					

- 3** \$ - No. of bits/register made variable by internal gating
 § - Individual registers contain different numbers of bits; max. no. is specified (see schematic)
 Δ - Accumulator
 ▽ - No. of bits/register made variable by custom programming; max. no. is specified

- 4** \$ - Separate input and/or output is made available for connection to intermediate stages

* - No. of Stages

- 6** † - Typical
 * - Minimum
 Δ - Max. clock rate
 % - Max. toggle freq.
 ⊙ - At 25°C
 ⊘ - Data repetition rate

- 12** † - Typical
 # - Maximum
 Δ - Open collector/drain output
 § - Three-state output

- 13** † - Typical
 * - Minimum
 Δ - Transition time
 § - Average propagation delay
 ⊙ - At 25°C
 ⊘ - Read Access Time

- 15** ♦ - V_{in}

- 16** † - Typical
 # - Maximum
 Δ - Max. refresh time (inverted)
 ⊙ - At 25°C

NOTE: This column applies for dynamic (not static) devices

5 3-LETTER CODE: X X X

INPUT	OUTPUT	OPERATING MODE
P: Parallel S: Series	P: Parallel S: Series	D: Dynamic S: Static

SYMBOLS

- ‡ - Chip contains associated circuitry
- § - Multifunction circuit; application depends on external connections
- % - Type can be used in either dynamic or static mode; listed on separate lines with D.A.T.A. modifiers (#1, #2, etc.) added to type no. (see Cross Index)
- ▼ - FIFO Memory (1st In, 1st Out)
- * - Device contains additional memory storage (see logic diagram)

20. SPECIAL MEMORY DEVICES

LINE No.	TYPE No.	FUNCTION CODE	ORGANIZATION	OP	MAX WORST CASE FREQ (Hz)	STRUC TURE (W)	MAX OPER PWR (W)	RATED SUP SPAN (V)	INPUT LOGIC LEVELS (V)	MIN OUTPUT CURRENT (A)	MIN OPER CLOCK FREQ (Hz)	RANGE CODE	GENERAL DESCRIPTOR	LOGIC/OUTLINE BLOCK	DRAWINGS
3	4	5	6	8	10	11	13	15	18						

- 3** ATN - Arc Tan
 CAM - Content Addressable Memory (CAM)
 CCD - Charge-Coupled Device
 COS - Cosine
 MBM - Magnetic Bubble Memory
 MUL - Multipliers
 PGA - Programmable Gate Array
 PLA - Programmable Logic Array (PLA)
 PLS - Programmable Logic Sequencer
 PRP - Programmable ROM Patch
 PMX - Programmable Multiplexer
 QBF - Quick Brown Fox
 RYG - Rhythm
 SCN - Sine-Cosine
 SIN - Sine
 TRA - Transistor Array
 SYS - Special Memory Systems and Subsystems

NOTE: For PGA's and PLA's the number in the "No. Words" column represents the max. no. of product terms (1 for PGA's); the number in the "Bits per word" column represents the no. of outputs.

For PMX's the number in the "No. Words" column represents the no. of multiplexer inputs; the figure in the "Bits per Word" column represents the no. of outputs.

● SEE SYMBOLS AND CODES COMMON TO ALL TECHNICAL SECTIONS

- 4** \$ - No. of words is variable; types listed on separate lines with D.A.T.A. modifiers (#1, #2, etc.) added to type no.
 § - More than one circuit
 Δ - No. of loops (Bubble Mem.)
- 5** \$ - No. of bits/word is variable
 Δ - No. of bits per loop

6 2-LETTER CODE X X

OPERATING MODE	PROGRAM CODE
D: Dynamic (see description column for max. refresh time or min. clock freq.) S: Static	C: Mask programmable: custom program E: Electrically programmable S: Mask programmable: standard program (see the description column for program) W: Addressable writing

SYMBOLS

- % : Type can be operated in either mode (dynamic or static); listed on separate lines with D.A.T.A. modifiers (#1, #2, etc.) added to type number; see Cross Index.

- 8** † - Typical
 * - Minimum
 \$ - Propagation delay
 Δ - Cycle time
 ⊙ - At 25°C
 ♦ - Other than 25°C

- 10 11** # - Absolute max.
 Δ - Differential coil voltage

- 13** † - Typical
 # - Maximum
 Δ - Open collector/drain output
 § - Three-state output

- 15** ♦ - V_{in}

- 18** RAM/ROM - Two mode device (RAM/EAROM)
 RHY - Rhythms
 VAR - Variable
 VOL - Volatile

▼ TYPE NO. SYMBOLS AND CODES AT TOP OF FIRST INTERPRETER CARD

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

MEMORY

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
5AR174	RTN	55-7	54LS295AW	RTN	52-51	4200BCC	EMM	30-86	6201J	MMI	34-4	29626DC	RTN	39-93
5AR175	RTN	53-43	54LS395AJ	RTN	51-103	4200BCC	EMM	30-87	6201N	MMI	34-5	29626DM	RTN	39-94
7AR174	RTN	55-8	54LS395AW	RTN	51-104	4200UCC	EMM	30-94	6205-1D	MMI	37-82	29627DC	RTN	39-95
7AR175	RTN	53-44	55MA25-1	GECB	58-77	4300ACC	EMM	30-84	6205D	MMI	37-94	29627DM	RTN	39-96
08C05	CGR	21-76	74LS91J	RTN	57-59	4300ACP	EMM	30-85	6205J	MMI	37-95	29630DC	RTN	41-101
08C13	CGR	15-102	74LS91W	RTN	57-60	4402	EMM	30-95	6205N	MMI	37-96	29630DM	RTN	41-102
08C14	CGR	21-52	74LS95BJ	RTN	51-79	4402ACC	EMM	30-88	6206-1D	MMI	37-83	29632DC	RTN	41-105
08C16	CGR	21-44	74LS95BJ	RTN	51-80	4402ACD	EMM	30-89	6206D	MMI	37-97	29632DM	RTN	41-106
08C19	CGR	15-100	74LS164J	RTN	57-5	4402BCC	EMM	30-80	6206J	MMI	37-98	29634DC	RTN	41-103
08C22	CGR	21-69	74LS164W	RTN	57-6	4402BCD	EMM	30-81	6206N	MMI	37-99	29634DM	RTN	41-104
08C24	CGR	15-87	74LS170J	RTN	13-16	4502-ACD	EMM	30-78	6210D	MMI	35-61	29636DC	RTN	41-107
08C25	CGR	15-80	74LS170W	RTN	13-17	4502ABD	EMM	30-79	6210J	MMI	35-62	29636DM	RTN	41-108
08C41	CGR	16-13	74LS174J	RTN	54-109	4801	EMM	30-110	6210N	MMI	35-63	29640DC	RTN	41-2
08C42	CGR	16-9	74LS174W	RTN	54-110	4801A	EMM	30-104	6225-1D	MMI	38-102	29640DM	RTN	41-24
08C44	CGR	16-3	74LS175J	RTN	53-4	4801ACC	EMM	30-105	6225D	MMI	38-104	29641DC	RTN	41-3
08C49	CGR	21-28	74LS175W	RTN	53-5	4801B	EMM	30-99	6230-1D	MMI	32-39	29641DM	RTN	41-25
08C50	CGR	21-22	74LS194AJ	RTN	52-52	4801BCC	EMM	30-100	6230D	MMI	32-40	29642DC	RTN	41-10
08C51	CGR	21-10	74LS194AW	RTN	52-53	4801C	EMM	30-98	6230J	MMI	32-41	29642DM	RTN	41-26
08C52	CGR	20-94	74LS195AJ	RTN	52-54	4801UCC	EMM	31-1	6230N	MMI	32-42	29643DC	RTN	41-11
08C53	CGR	16-11	74LS195AW	RTN	52-55	4804	EMM	26-65	6231-1D	MMI	32-43	29643DM	RTN	41-27
15C06	CGR	27-29	74LS295AJ	RTN	52-56	4804A	EMM	26-60	6231D	MMI	32-44	29650DC	RTN	43-33
15C07	CGR	26-107	74LS295AW	RTN	52-57	4804ACC	EMM	26-61	6231J	MMI	32-45	29650DM	RTN	43-51
15C09	CGR	15-101	74LS395AJ	RTN	51-105	4804B	EMM	26-56	6231N	MMI	32-46	29652DC	RTN	43-34
15C10	CGR	27-46	74LS395AW	RTN	51-106	4804BCC	EMM	26-57	6240-1D	MMI	39-23	29652DM	RTN	43-52
15C12	CGR	26-105	74LS670J	RTN	13-18	4804C	EMM	26-55	6241-1D	MMI	39-24	29660DC	RTN	34-83
15C16	CGR	16-10	74LS670W	RTN	13-19	4804UCC	EMM	26-66	6242-1D	MMI	37-88	29660DM	RTN	34-92
15C17	CGR	15-90	82S183F	none	44-71	5085D	MMI	65-70	6243-1D	MMI	37-89	29661DC	RTN	34-84
15C18	CGR	16-14	93L415CC	FSC	23-23	5200-1D	MMI	33-89	6246	MMI	35-66	29661DM	RTN	34-93
15C19	CGR	15-103	5111	DTC	54-79	5200D	MMI	33-102	6247	MMI	39-13	29662DC	RTN	34-77
15C21	CGR	16-4	5111T	DTC	54-80	5200J	MMI	33-103	6250-1D	MMI	40-75	29662DM	RTN	34-88
15C22	CGR	15-81	512	DTC	58-3	5200N	MMI	33-104	6251-1D	MMI	40-76	29663DC	RTN	34-78
15C24	CGR	16-12	512T	DTC	58-4	5201-1D	MMI	33-90	6255D	MMI	42-66	29663DM	RTN	34-89
15C40	CGR	21-11	513T	DTC	54-81	5201D	MMI	33-105	6260D	MMI	44-78	29680DC	RTN	44-9
15C41	CGR	20-95	527	DTC	53-94	5201J	MMI	33-106	6275D	MMI	43-63	29680DM	RTN	44-11
15C47	CGR	21-70	527T	DTC	53-100	5201N	MMI	33-107	6275J	MMI	43-64	29682DC	RTN	44-10
15C51	CGR	26-89	569T	DTC	54-16	5205-1D	MMI	37-86	6276D	MMI	43-65	29682DM	RTN	44-12
15C52	CGR	26-98	690A	DTC	50-78	5205D	MMI	37-100	6276J	MMI	43-66	29690DC	RTN	65-20
15C53	CGR	21-77	809-01#1	QDI	40-58	5205J	MMI	37-101	6297	MMI	46-39	29690DM	RTN	65-21
15C54	CGR	21-53	809-01#2	QDI	42-30	5205N	MMI	37-102	6299	MMI	46-18	29691DC	RTN	65-22
15C55	CGR	21-45	811-01	QDI	26-103	5206-1D	MMI	37-87	6300-1D	MMI	35-1	29691DM	RTN	65-23
15C56	CGR	21-29	811-02	QDI	31-29	5206D	MMI	37-103	6300D	MMI	35-2	74172	SIEG	13-67
15C57	CGR	21-23	811-03#1	QDI	31-32	5206J	MMI	37-104	6300J	MMI	35-3	84172	SIEG	13-68
25C01	CGR	31-105	811-03#2	QDI	31-49	5206N	MMI	37-105	6301-1D	MMI	35-4	93400BDC	FSC	17-52
25C02	CGR	31-47	1216	EMM	24-7	5210D	MMI	35-58	6301D	MMI	35-5	93400DC	FSC	17-49
25C03	CGR	31-21	1217	EMM	24-6	5210J	MMI	35-59	6301J	MMI	35-6	93402DC	FSC	47-12
25C04	CGR	31-107	1217A	EMM	24-5	5210N	MMI	35-60	6305-1D	MMI	38-73	93403-1-4L	FSC	14-66
25C05	CGR	31-50	1217B	EMM	24-3	5225-1D	MMI	38-103	6305D	MMI	38-79	93403-1-7B	FSC	14-67
25C06	CGR	31-25	1217C	EMM	24-1	5225D	MMI	38-105	6305J	MMI	38-80	93403-9-4L	FSC	14-68
25C07	CGR	31-52	1218	EMM	24-4	5230-1D	MMI	32-61	6306-1D	MMI	38-74	93406DC	FSC	34-6
25C08	CGR	31-30	1218A	EMM	24-2	5230D	MMI	32-33	6306D	MMI	38-81	93411FC	FSC	17-9
25C09	CGR	31-54	1218B	EMM	23-110	5230J	MMI	32-34	6306J	MMI	38-82	93411PM	FSC	17-23
25C10	CGR	31-33	1218C	EMM	23-108	5230N	MMI	32-35	6330-1D	MMI	32-86	93416DC	FSC	35-18
25C13	CGR	27-49	1301#1	ITL	36-6	5231-1D	MMI	32-62	6330D	MMI	32-87	93416DM	FSC	35-24
25C14	CGR	27-47	1301#2	ITL	35-68	5231D	MMI	32-36	6330J	MMI	32-88	93426DC	FSC	35-19
25C15	CGR	27-44	1311	ITL	45-10	5231J	MMI	32-37	6331-1D	MMI	32-89	93426DM	FSC	35-25
25C16	CGR	27-27	1312	ITL	46-12	5231N	MMI	32-38	6331D	MMI	32-90	93433ADC	FSC	13-102
25L22JC	RTN	57-27	1313	ITL	46-13	5240-1D	MMI	39-25	6331J	MMI	32-91	93433AFC	FSC	13-103
25L22JM	RTN	57-28	1402	ITL	62-46	5241-1D	MMI	39-26	6335-1D	MMI	36-81	93433BDC	FSC	13-104
25L22WC	RTN	57-29	1403	ITL	63-19	5242-1D	MMI	37-90	6335D	MMI	36-82	93433BDM	FSC	13-105
25L22WWM	RTN	57-30	1404	ITL	63-82	5243-1D	MMI	37-91	6336-1D	MMI	36-83	93433BFC	FSC	13-106
25L23JC	RTN	57-31	1405	ITL	62-88	5246	MMI	35-67	6340-1D	MMI	40-37	93433BFM	FSC	13-107
25L23JM	RTN	57-32	1601#1	ITL	36-95	5247	MMI	39-14	6340D	MMI	40-38	93434DC	FSC	32-47
25L23WC	RTN	57-33	1601#2	ITL	35-72	5250-1D	MMI	40-78	6341-1D	MMI	40-39	93434DM	FSC	32-48
25L23WWM	RTN	57-34	1701#1	ITL	36-96	5251-1D	MMI	40-79	6561D	MMI	14-16	93435-1-6P	FSC	14-46
25L194AJC	RTN	52-106	1701#2	ITL	35-73	5255D	MMI	42-65	7005-11-6B	AMS	28-51	93435DC	FSC	14-47
25L194AJM	RTN	52-107	1702	ITL	36-97	5260D	MMI	44-77	7005-12-6B	AMS	28-110	95410DC	FSC	16-30
25L194AWC	RTN	52-108	1801	EMM	25-31	5275D	MMI	43-67	7270-11-6E	AMS	28-3	95415DC	FSC	22-96
25L194AWM	RTN	52-109	1802	EMM	25-25	5275J	MMI	43-68	7270-12-6E	AMS	28-90	280251E	AMD	62-32
25L195AJC	RTN	52-110	2048	GIC	26-109	5276D	MMI	43-69	7280-11-6D	AMS	28-4	280259E	AMD	62-33
25L195AJM	RTN	53-1	2114-2CA	EMM	25-93	5276J	MMI	43-70	7280-12-6D	AMS	28-91	280351E	AMD	62-108
25L195AWC	RTN	53-2	2114-3CA	EMM	26-14	5297	MMI	46-38	7280-14-6D	AMS	29-40	280359E	AMD	62-109
25L195AWM	RTN	53-3	2114UCA	EMM	26-58	5299	MMI	46-17	8222	SIC	47-10	280451E	AMD	63-54
25L2299JC	RTN	57-35	2114USA	EMM	26-59	5300D	MMI	34-103	8308	EMM	26-96	280459E	AMD	63-55
25L2299JM	RTN	57-36	2180-4D	MMI	28-89	5300J	MMI	34-104	9200-1-4L	FSC	51-21	85100111	AMS	15-24
25L2299WC	RTN	57-37	2180D	MMI	28-2	5301D	MMI	34-106	9200-1-7B	FSC	51-22	85100211	AMS	15-26
25L2299WWM	RTN	57-38	2316E	ITL	43-89	5301J	MMI	34-105	9200-9-4L	FSC	51-23	85100311	AMS	16-1
25L670JJC	RTN	13-32	2316E	ITL	43-93	5305D	MMI	38-75	9200-9-7B	FSC	51-24	85100411	AMS	16-7
25L670JMJ	RTN	13-33	2317	ITL	44-43	5305J	MMI	38-76	9228-1-4L	FSC	57-98	85100511	AMS	21-43
25L670JWC	RTN	13-34	3300-4-5F	FSC	58-46	5306D	MMI	38-77	9228-1-7B	FSC	57-99	85100711	AMS	30-6
25L670WWM	RTN	13-35	3303-4-5F	FSC	58-66	5306J	MMI	38-78	9228-9-4L	FSC	57-100	85100811	AMS	21-51
30C01	CGR	26-86	3303-9-5F	FSC	58-67	5330D	MMI	32-82	9228-9-7B	FSC	57-101	85500311	AMS	31-23
30C02	CGR	26-97	3304-4-5F	FSC	58-34	5330J	MMI	32-83	9300-1-3L	GECB	51-62	85500411	AMS	31-27
30C03	CGR	31-55	3304-9-5F	FSC	58-35	5331D	MMI	32-84	9300-9-3L	GECB	51-63	91100111	AMS	13-71
30C13	CGR	31-106	3305-4-5F	FSC	58-56	5331J	MMI	32-85	10149D	MMI	34-67	91100211	AMS	15-27</

1. TYPE No. CROSS INDEX

MEMORY

				IN TYPE NUMBER SEQUENCE							
TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
Am9101BPC	none	19-50	AM280259F#2	AMD	62-39	C2141-4	ITL	31-14	CD4035CJ	NSC	50-91
Am9101CDD	none	19-51	AM280351F	AMD	62-110	C2141-5	ITL	31-16	CD4035CN	NSC	50-92
Am9101CPC	none	19-52	AM280351T	AMD	63-1	C2141L-3	ITL	31-13	CD4035MD	NSC	50-93
Am91011ADC	none	19-54	AM280359F#1	AMD	63-2	C2141L-4	ITL	31-15	CD4035MF	NSC	50-94
Am91011ADM	none	19-55	AM280359F#2	AMD	63-3	C2141L-5	ITL	31-17	CD4035MJ	NSC	50-95
Am91011AFM	none	19-56	AM280359T#1	AMD	63-4	C2147	ITL	31-5	CD4042AD	RCA	50-41
Am91011BDC	none	19-57	AM280451F	AMD	63-5	C2147-3	ITL	31-2	CD4042AE	RCA	50-42
Am91011BDM	none	19-58	AM280451T	AMD	63-104	C2147L	ITL	31-6	CD4042AF	RCA	50-43
Am91011BFC	none	19-59	AM280459F#1	AMD	63-105	C2308	ITL	41-94	CD4042AH	RCA	50-44
Am91011BFD	none	19-60	AM280459F#2	AMD	63-106	C2316A	ITL	43-86	CD4042AK	RCA	50-45
Am91011BPC	none	19-61	AM280459T#1	AMD	63-107	C2316E	ITL	43-94	CD4042AJ	RCA	50-46
Am91011CDD	none	19-62	AM280459T#2	AMD	63-108	C2405	ITL	63-57	CD4058AD	RCA	55-27
Am91011CDM	none	19-63	AN91L40ADM	none	30-109	C2464	ITL	62-66	CD4058AK	RCA	55-28
Am91011CPC	none	19-64	AO	INS	15-5	C2608	ITL	64-48	CD4061AD-PR	RCA	17-59
Am91012ADC	none	19-65	AO1FT	INS	15-8	C2704	ITL	41-52	CD4062AK	RCA	61-96
Am91012ADM	none	19-66	AO2	INS	17-75	C2708	AMD	40-47	CD4062AK-PR	RCA	61-97
Am91012AFM	none	19-67	ASM10#1	AEX	21-17		ITL	42-40	CD4062AT-PR	RCA	61-98
Am91012APC	none	19-68	ASM10#2	AEX	21-59	C2708-1	ITL	42-36	CD4076AD	RCA	50-15
Am91012BDC	none	19-69	ASM30#1	AEX	21-16	C2708L	ITL	42-41	CD4076AE	RCA	50-16
Am91012BDM	none	19-70	ASM30#2	AEX	21-58	C2716	ITL	44-16	CD4076AF	RCA	50-17
Am91012BFD	none	19-71	ASM30#3	AEX	26-102	C2732	ITL	44-67	CD4076AG	RCA	50-18
Am91012BPC	none	19-72	B2107A-1	ITL	28-105	C2758	ITL	42-42	CD4076AH	RCA	50-19
Am91012CDD	none	19-73	B2107A-4	ITL	29-41	C3102	ITL	42-42	CD4076AJ	RCA	50-20
Am91012CDM	none	19-74	B2107A-5	ITL	29-57	C3102A	ITL	16-80	CD4076BK	RCA	51-12
Am91012CPC	none	19-75	B2107A	ITL	29-1	C3104	ITL	16-55	CD4076BK-PR	RCA	51-13
Am91040CDD	none	27-64	B2107B-4	ITL	28-92	C3106	ITL	65-7	CD4076BK	RCA	50-21
Am91040CDD	none	27-65	B2107B-5	ITL	29-42	C3106-8	ITL	16-81	CD4076BMJ	NSC	51-14
Am91040DD	none	30-20	B2107B	ITL	28-5	C3106A	ITL	16-82	CD4076BMW	NSC	51-15
Am91041CDD	none	30-21	B2107B-4	ITL	28-93	C3107	ITL	50-22	CD4076BY	RCA	50-16
Am91041CDD	none	30-22	B2107B-5	ITL	29-2	C3107-8	ITL	56-87	CD4094BK	RCA	58-105
Am91041CDD	none	30-23	B2608	ITL	44-70	C3107A	ITL	56-88	CD4094BY	RCA	58-106
Am9050CDD	none	27-66	B2616	ITL	43-110	C3301	ITL	16-65	CD40024D	RCA	15-23
Am9050CPC	none	27-67	B2704	ITL	40-46	C3301A	ITL	33-95	CD40032D	RCA	39-15
Am9050DDC	none	27-68	B2708	ITL	42-38	C3302	ITL	33-84	CD40032E	RCA	39-16
Am9050DPC	none	27-69	B2708-1	ITL	42-35	C3302-4	ITL	37-61	CD40100BK	RCA	58-76
Am9050EDC	none	27-70	B2708L	ITL	42-39	C3302-6	ITL	37-65	CD40104BD	RCA	51-16
Am9050EPC	none	27-71	B2716	ITL	44-3	C3304#1	ITL	37-66	CD40104BE	RCA	51-17
Am9060CDD	none	27-72	B2716-1	ITL	44-1	C3304#2	ITL	39-22	CD40104BF	RCA	51-18
Am9060CPC	none	27-73	B2716-2	ITL	44-2	C3304A	ITL	40-77	CD40104BH	RCA	51-19
Am9060DDC	none	27-74	B2758	ITL	41-100	C3304A6	ITL	39-11	CD40104BK	RCA	51-20
Am9060DPC	none	27-75	BC82S126F	none	35-20	C3304A	ITL	39-12	CD40105AD	RCA	54-17
Am9060EDC	none	27-76	BC82S129F	none	35-21	C3322	ITL	39-10	CD40105AE	RCA	54-18
Am9060EPC	none	27-77	BC82S130F	none	38-83	C3322-4	ITL	37-62	CD40105AF	RCA	54-19
Am9101ADM	none	19-76	BC82S131F	none	38-84	C3322-6	ITL	37-67	CD40105AH	RCA	54-20
Am9101AFM	none	19-77	BC82S136F	none	40-80	C3601	ITL	37-68	CD40105AJ	RCA	54-21
Am9101APC	none	19-78	BC82S137F	none	40-81	C3605A	ITL	34-85	CD40105AY	RCA	54-22
Am9101BDC	none	19-79	C1103	ITL	22-30	C3605A-1	ITL	41-38	CD40105AZ	RCA	58-54
Am9101BDM	none	19-80	C1103A-1	ITL	22-11	C3625A	ITL	41-35	CD40105BK	RCA	58-55
Am9101BFD	none	19-81	C1103A-2	ITL	22-3	C5101-1	ITL	41-39	CD40105BY	RCA	13-61
Am9101BPC	none	19-82	C1103A	ITL	22-22	C5101-3	ITL	19-3	CD40108BK	RCA	38-3002-2-3#1
Am9101CDD	none	19-83	C1302	ITL	36-7	C5101-8	ITL	19-3	CD40174BCJ	NSC	54-96
Am9101CDM	none	19-84	C1302	ITL	62-47	C5101L3	ITL	18-93	CD40174BCN	NSC	54-97
Am9101CPC	none	19-85	C1402A	ITL	62-47	C5101L3	ITL	19-4	CD40174BK	RCA	54-104
Am9101DDC	none	19-86	C1601	AMD	36-98	CD2155D	RCA	18-93	CD40174BMJ	NSC	54-98
Am9101DDC	none	19-87	C1602	AMD	35-76	CD4005	RCA	19-5	CD40174BMW	NSC	54-99
Am9101DDC	none	19-88	C1602A-6	ITL	37-6	CD4005D	RCA	13-72	CD40175BCJ	NSC	51-1
Am9101EDC	none	19-89	C1602A	ITL	36-99	CD4006	RCA	13-69	CD40175BCN	NSC	51-2
Am9101EPC	none	19-90	C1701	AMD	36-100	CD4006A	RCA	14-3	CD40175BMJ	NSC	51-3
Am9102EDC	none	24-8	C1702	AMD	35-77	CD4006AY	RCA	54-64	CD40175BMW	NSC	51-4
Am9102EPC	none	24-9	C1702A-2	ITL	36-84	CD4006BK	RCA	54-67	CD40194BD	RCA	51-43
Am9111ADC	none	19-91	C1702A6	ITL	36-93	CD4006CJ	NSC	54-65	CD40194BE	RCA	51-44
Am9111ADM	none	19-92	C1702A	ITL	36-88	CD4006CN	NSC	54-78	CD40194BF	RCA	51-45
Am9111AFM	none	19-93	C1702AL2	ITL	36-85	CD4006D	RCA	54-73	CD40194BH	RCA	51-46
Am9111APC	none	19-94	C1702AL	ITL	36-89	CD4006DM	NSC	54-74	CD40194BK	RCA	51-47
Am9111BDC	none	19-95	C2101A2	ITL	20-9	CD4006MF	NSC	54-66	CD40208BK	RCA	13-62
Am9111BDM	none	19-96	C2101A4	ITL	20-23	CD4006MJ	NSC	54-75	CDP1822DL1	RCA	19-33
Am9111BFD	none	19-97	C2102-8	ITL	25-20	CD4014AK	RCA	54-76	CDP1822DL3	RCA	19-34
Am9111BPC	none	19-98	C2104	ITL	29-43	CD4014AJ	RCA	54-77	CDP1822DL8	RCA	19-35
Am9111CDD	none	19-99	C2104-2	ITL	28-52	CD4014BK	RCA	56-3	CDP1822SCD	RCA	18-32
Am9111CDM	none	19-100	C2104-4	ITL	29-3	CD4014CJ	NSC	55-93	CDP1822SD	RCA	18-31
Am9111CPC	none	19-101	C2104A	ITL	29-44	CD4014CN	NSC	56-43	CM1101	AMS	18-24
Am9111DDC	none	19-102	C2104A-1	ITL	27-87	CD4014D	RCA	56-16	CM1101A1	AMS	18-23
Am9111DPC	none	19-103	C2104A-2	ITL	28-6	CD4014MD	NSC	56-17	CM1101A	AMS	18-25
Am9111EDC	none	19-104	C2104A-3	ITL	28-53	CD4014MF	NSC	56-18	CM1103	AMS	22-31
Am9111EPC	none	19-105	C2104A-4	ITL	29-4	CD4014MJ	NSC	56-19	CM1402	AMS	62-48
Am9112ADC	none	19-106	C2105	ITL	21-90	CD4015AK	RCA	56-20	CM1402A	AMS	62-49
Am9112ADM	none	19-107	C2105-1	ITL	21-83	CD4015AY	RCA	56-21	CM1403	AMS	63-20
Am9112BDC	none	19-108	C2105-2	ITL	21-85	CD4015BK	RCA	53-110	CM1403A	AMS	63-21
Am9112BDM	none	19-109	C2107A-1	ITL	28-106	CD4015CJ	NSC	53-106	CM1404	AMS	63-83
Am9112BFD	none	19-110	C2107A-5	ITL	29-45	CD4015CN	NSC	54-15	CM1404A	AMS	63-84
Am9112BPC	none	20-1	C2107A4	ITL	29-58	CD4015D	RCA	54-10	CM1801	AMS	27-2
Am9112CDD	none	20-2	C2107A8	ITL	29-59	CD4015DM	NSC	54-11	CM1805	AMS	15-72
Am9112CDM	none	20-3	C2107A	ITL	29-5	CD4015MF	NSC	54-7	CM1808#1	AMS	15-70
Am9112CPC	none	20-4	C2107B-6	ITL	28-94	CD4015MJ	NSC	54-12	CM1808#2	AMS	15-71
Am9112DDC	none	20-5	C2107B6	ITL	29-46	CD4021AK	RCA	54-13	CM2100	AMS	14-6
Am9112DPC	none	20-6	C2107B	ITL	28-7	CD4021AJ	RCA	54-14	CM2102A6	ITL	24-99
Am9112EDC	none	20-7	C2108-2	ITL	31-38	CD4021BK	RCA	56-4	CM2106	AMS	15-1
Am9112EPC	none	20-8	C2108-4	ITL	31-41	CD4021CJ	NSC	55-94	CM2106M	AMS	15-2
Am9140DDC	none	30-24	C2114	ITL	26-31	CD4021CN	NSC	56-44	CM2150	AMS	17-48
Am9141BDM	none	30-25	C2114-2	ITL	25-94	CD4021D	RCA	56-22	CM2400	AMS	25-72
Am9141CDM	none	30-26	C2114-3	ITL	26-15	CD4021MD	NSC	56-23	CM2401	AMS	27-23
Am29720DM	none	16-32	C2114L	ITL	26-16	CD4021MF	NSC	55-95	CM2402	AMS	30-13
Am29720FM	none	16-33	C2115-2	ITL	26-32	CD4021MJ	NSC	56-24	CM2403	AMS	23-32
Am29720PC											

1. TYPE No. CROSS INDEX

TYPE No.				MFRS				TYPE No.				MFRS				TYPE No.				MFRS				IN TYPE NUMBER SEQUENCE							
TYPE No.	MFRS	Pg&Line		TYPE No.	MFRS	Pg&Line		TYPE No.	MFRS	Pg&Line		TYPE No.	MFRS	Pg&Line		TYPE No.	MFRS	Pg&Line		TYPE No.	MFRS	Pg&Line		TYPE No.	MFRS	Pg&Line		TYPE No.	MFRS	Pg&Line	
D2608	†ITL	41-53	DM54LS195AJ	†NSC	52-58	DM75L51F	†NSC	51-64	DM7491AJ	†NSC	57-92	DM8795N	†NSC	39-45																	
D3108	†ITL	16-86	DM54LS195AN	†NSC	52-59	DM75L51J	†NSC	50-108	DM7491AN	†NSC	57-93	DM8796J	†NSC	39-46																	
D3106.8	†ITL	16-86	DM54LS195AW	†NSC	52-60	DM75L51N	†NSC	50-107	DM7491AW	†NSC	57-94	DM8798J	†NSC	39-47																	
D3106A	†ITL	16-86	DM54LS289J	†NSC	14-43	DM75S28J	†NSC	41-60	DM7495J	†NSC	53-18	DM9300J	†NSC	52-73																	
D3107	†ITL	16-87	DM54LS289W	†NSC	14-44	DM75S28J	†NSC	41-60	DM7495N	†NSC	53-18	DM9300N	†NSC	52-74																	
D3107.8	†ITL	16-88	DM54LS295AJ	†NSC	51-81	DM75S68D	†NSC	14-31	DM7496J	†NSC	54-32	DM9300W	†NSC	52-75																	
D3107A	†ITL	16-87	DM54LS295AN	†NSC	51-82	DM75S97J	†NSC	33-79	DM7496N	†NSC	54-33	DM9300W	†NSC	52-76																	
D3302	†ITL	37-63	DM54LS295AW	†NSC	51-83	DM75S202N	†NSC	35-84	DM7542J	†NSC	53-25	DM54164W	†NSC	57-12																	
D3302.4	†ITL	37-69	DM54LS670J	†NSC	13-23	DM75S222N	†NSC	36-49	DM7542N	†NSC	53-28	DM54165J	†NSC	56-51																	
D3302.6	†ITL	37-70	DM54LS670N	†NSC	13-24	DM76L13F	†NSC	50-79	DM7542W	†NSC	53-27	DM54165W	†NSC	56-52																	
D3302AL6	†ITL	37-92	DM54LS670W	†NSC	13-25	DM76L13J	†NSC	50-80	DM7544J	†NSC	55-35	DM54166J	†NSC	56-73																	
D3322	†ITL	37-64	DM54S187J	†NSC	33-76	DM76L13N	†NSC	50-81	DM7544W	†NSC	55-36	DM54166W	†NSC	56-74																	
D3322.4	†ITL	37-71	DM54S189J	†NSC	14-27	DM76L70F	†NSC	56-95	DM7551J	†NSC	52-3	DM54174J	†NSC	55-1																	
D3322.6	†ITL	37-72	DM54S200J	†NSC	16-77	DM76L70J	†NSC	56-96	DM7551W	†NSC	52-4	DM54174W	†NSC	55-2																	
D3322AL6	†ITL	37-93	DM54S200W	†NSC	16-78	DM76L70N	†NSC	56-97	DM7551W	†NSC	52-3	DM54174W	†NSC	55-3																	
D3601	†ITL	34-86	DM54S206J	†NSC	16-89	DM76L90J	†NSC	56-37	DM7570J	†NSC	57-7	DM54175J	†NSC	53-31																	
D3601-1	†ITL	34-75	DM54S206N	†NSC	16-90	DM76L90N	†NSC	56-38	DM7570W	†NSC	57-8	DM54175N	†NSC	53-32																	
D3602	†ITL	38-54	DM54S206W	†NSC	16-91	DM76L90W	†NSC	56-39	DM7573D	†NSC	35-7	DM54175W	†NSC	53-33																	
D3602.4	†ITL	38-64	DM54S270J	†NSC	37-84	DM76L97F	†NSC	34-20	DM7573J	†NSC	35-26	DM54184AJ	†NSC	49-14																	
D3602.6	†ITL	38-65	DM54S271J	†NSC	35-94	DM76L97J	†NSC	34-32	DM7574D	†NSC	33-67	DM54184AJ	†NSC	49-15																	
D3602A	†ITL	38-55	DM54S271N	†NSC	35-79	DM76L97N	†NSC	34-33	DM7574J	†NSC	33-68	DM54184J	†NSC	49-16																	
D3602A-2	†ITL	38-48	DM54S287D	†NSC	34-70	DM76L97W	†NSC	34-34	DM7575J	†NSC	65-30	DM54184W	†NSC	49-17																	
D3602L6	†ITL	38-66	DM54S289J	†NSC	14-28	DM76L99J	†NSC	14-99	DM7576J	†NSC	65-31	DM54187D	†NSC	33-97																	
D3604	†ITL	40-4	DM54S370J	†NSC	37-85	DM76L99N	†NSC	14-100	DM7577D	†NSC	32-92	DM54187J	†NSC	33-98																	
D3604.4	†ITL	40-25	DM54S371J	†NSC	35-95	DM76L99W	†NSC	14-101	DM7577J	†NSC	32-74	DM54194J	†NSC	53-17																	
D3604.6	†ITL	40-26	DM54S371N	†NSC	35-80	DM77S186J	†NSC	43-57	DM7577N	†NSC	32-75	DM54194W	†NSC	53-18																	
D3604A	†ITL	40-5	DM54S387D	†NSC	34-71	DM77S187J	†NSC	43-58	DM7578D	†NSC	32-93	DM54195J	†NSC	52-76																	
D3604A-2	†ITL	39-101	DM54S470J	†NSC	36-71	DM77S201J	†NSC	35-96	DM7578J	†NSC	32-76	DM54195W	†NSC	52-77																	
D3604AL	†ITL	40-27	DM54S470N	†NSC	36-44	DM77S202J	†NSC	35-97	DM7578N	†NSC	32-77	DM54198F	†NSC	55-68																	
D3604L6	†ITL	40-28	DM54S471J	†NSC	36-72	DM77S211J	†NSC	36-73	DM7590D	†NSC	56-45	DM54198J	†NSC	55-69																	
D3605	†ITL	41-12	DM54S471N	†NSC	36-45	DM77S222J	†NSC	36-74	DM7590J	†NSC	56-46	DM54198N	†NSC	55-70																	
D3605-1	†ITL	40-99	DM54S570D	†NSC	38-38	DM77S228J	†NSC	42-25	DM7590W	†NSC	56-47	DM54199F	†NSC	55-71																	
D3605.2	†ITL	41-4	DM54S571D	†NSC	38-39	DM77S229J	†NSC	42-26	DM7595D	†NSC	39-32	DM54199J	†NSC	55-72																	
D3605A	†ITL	41-40	DM72S04J	†NSC	35-81	DM77S295J	†NSC	40-14	DM7595J	†NSC	39-33	DM54199N	†NSC	55-73																	
D3605A-1	†ITL	41-36	DM72S114D	†NSC	36-46	DM77S296J	†NSC	40-15	DM7596D	†NSC	39-34	DM74164J	†NSC	57-14																	
D3608	†ITL	42-14	DM74L89AJ	†NSC	14-52	DM78L70F	†NSC	56-98	DM7596J	†NSC	39-35	DM74164N	†NSC	57-15																	
D3608.4	†ITL	42-27	DM74L89AN	†NSC	14-53	DM82S04J	†NSC	35-85	DM7597D	†NSC	33-66	DM74165J	†NSC	56-53																	
D3621	†ITL	34-87	DM74L89AW	†NSC	14-4	DM82S04N	†NSC	35-86	DM7597J	†NSC	34-13	DM74165N	†NSC	56-54																	
D3621-1	†ITL	34-76	DM74L91F	†NSC	57-54	DM82S114D	†NSC	36-50	DM7597N	†NSC	33-96	DM74165W	†NSC	56-55																	
D3622	†ITL	38-56	DM74L91J	†NSC	57-55	DM82S114N	†NSC	36-51	DM7598J	†NSC	32-63	DM74166J	†NSC	56-56																	
D3622.4	†ITL	38-67	DM74L91N	†NSC	57-56	DM85L51F	†NSC	51-65	DM7598N	†NSC	32-29	DM74166N	†NSC	56-57																	
D3622.6	†ITL	38-68	DM74L95F	†NSC	51-59	DM85L51J	†NSC	50-108	DM7599J	†NSC	14-98	DM74166W	†NSC	56-77																	
D3622A	†ITL	38-57	DM74L95J	†NSC	51-60	DM85L51N	†NSC	50-109	DM7600D	†NSC	51-66	DM74170J	†NSC	13-36																	
D3622A-2	†ITL	38-49	DM74L95N	†NSC	51-61	DM85L51W	†NSC	50-110	DM7613D	†NSC	52-64	DM74170N	†NSC	13-37																	
D3624	†ITL	40-6	DM74L98J	†NSC	51-40	DM85S28J	†NSC	41-55	DM7613N	†NSC	52-65	DM74174J	†NSC	55-4																	
D3624.4	†ITL	40-29	DM74L98N	†NSC	51-41	DM85S28N	†NSC	41-56	DM7613W	†NSC	52-66	DM74174N	†NSC	55-5																	
D3624A	†ITL	40-7	DM74L98W	†NSC	51-42	DM85S29J	†NSC	41-57	DM7678J	†NSC	45-79	DM74174W	†NSC	55-6																	
D3624A-2	†ITL	39-102	DM74L164AJ	†NSC	56-106	DM85S29N	†NSC	41-58	DM7679J	†NSC	45-80	DM74175J	†NSC	53-34																	
D3625	†ITL	41-13	DM74L164AN	†NSC	56-107	DM85S50J	†NSC	55-14	DM7696D	†NSC	39-19	DM74175N	†NSC	53-35																	
D3625-1	†ITL	40-100	DM74L164AW	†NSC	56-108	DM85S50N	†NSC	55-15	DM7795J	†NSC	39-36	DM74175W	†NSC	53-36																	
D3625.2	†ITL	41-5	DM74L165AF	†NSC	56-34	DM85S50W	†NSC	55-16	DM7796J	†NSC	39-37	DM74184AJ	†NSC	49-18																	
D3625A	†ITL	41-41	DM74L165AJ	†NSC	56-35	DM85S97J	†NSC	33-80	DM8300J	†NSC	52-67	DM74184AN	†NSC	49-19																	
D3625A-1	†ITL	41-37	DM74L165AN	†NSC	56-36	DM85S97N	†NSC	33-81	DM8300N	†NSC	52-68	DM74184AW	†NSC	49-20																	
D4016	†EEC	53-95	DM74L187AF	†NSC	34-26	DM85S202N	†NSC	35-87	DM8300W	†NSC	52-69	DM74184J	†NSC	49-21																	
D4039	†EEC	57-97	DM74L187AJ	†NSC	34-27	DM85S222N	†NSC	36-52	DM8531D	†NSC	43-71	DM74184N	†NSC	49-22																	
D4208	†EEC	58-22	DM74L187AN	†NSC	34-28	DM86L13F	†NSC	50-82	DM8531J	†NSC	43-72	DM74184W	†NSC	49-23																	
D4218	†EEC	13-63	DM74L187AW	†NSC	34-29	DM86L13J	†NSC	50-83	DM8531N	†NSC	43-73	DM74187J	†NSC	33-99																	
DL1-3066	†GIC	60-19	DM74LS95BJ	†NSC	53-9	DM86L13N	†NSC	50-84	DM8542J	†NSC	53-28	DM74187N	†NSC	33-100																	
DL5-1200	†GIC	61-89	DM74LS95BN	†NSC	53-10	DM86L70F	†NSC	56-99	DM8542N	†NSC	53-29	DM74194J	†NSC	53-19																	
DL5-1512	†GIC	62-86	DM74LS95BW	†NSC	53-11	DM86L70J	†NSC	56-100	DM8542W	†NSC	53-30	DM74194N	†NSC	53-20																	
DL7-1200	†GIC	61-90	DM74LS96J	†NSC	54-27	DM86L70N	†NSC	56-101	DM8546J	†NSC	55-37	DM74194W	†NSC	53-21																	
DL7-1512	†GIC	62-87	DM74LS96N	†NSC	54-28	DM86L70W	†NSC	56-89	DM8546N	†NSC	55-38	DM74195J	†NSC	52-78																	
DL7-2256	†GIC	62-14	DM74LS96W	†NSC	54-29	DM86L90J	†NSC	56-40	DM8546W	†NSC	55-39	DM74195N	†NSC	52-79																	
DL9-1024-21#1	†GIC	63-79	DM74LS164J	†NSC	57-23	DM86L90N	†NSC	56-41	DM8551J	†NSC	52-5	DM74195W	†NSC	52-80																	
DL9-1024-21#2	†GIC	63-101	DM74LS164AN	†NSC	57-24	DM86L90W	†NSC	56-42	DM8551N	†NSC	52-6	DM74198F	†NSC	55-74																	
DL9-2512-21#1	†GIC	63-18	DM74LS164AW	†NSC	57-25	DM86L97F	†NSC	34-21	DM8551W	†NSC	52-7	DM74198J	†NSC	55-75																	
DL9-2512-21#2	†GIC	63-40	DM74LS170J	†NSC	13-26	DM86L97J	†NSC	34-35	DM8570J	†NSC	57-9	DM74198N	†NSC	55-76																	
DL9-4256-71#1	†GIC	62-45	DM74LS170N	†NSC	13-27	DM86L97N	†NSC	34-36	DM8570N	†NSC	57-10	DM74199F	†NSC	55-77																	
DL9-4256-71#2	†GIC	62-60	DM74LS170W	†NSC	13-28	DM86L97W	†NSC	34-37	DM8570W	†NSC	57-11	DM74199J	†NSC	55-78																	
			DM74LS189J	†NSC	14-37	DM86L99J	†NSC	14-102	DM8573D	†NSC	35-8	DM74199N	†NSC	55-79																	
			DM74LS189N	†NSC	14-38	DM86L99N	†NSC	14-103	DM8573J	†NSC	35-27	DM74200D	†NSC	16-103																	
			DM74LS194AJ	†NSC	51-110	DM86L99W	†NSC	14-104	DM8573N	†NSC	35-28	DM74200N	†NSC	16-104																	
			DM74LS194AN	†NSC	52-1	DM86S21J	†NSC	15-21	DM8574D	†NSC	33-69	DM93415AJ	†NSC	23-6																	
			DM74LS194AW	†NSC	52-2	DM86S21W	†NSC	15-22	DM8574J	†NSC	33-70	DM93415J	†NSC	23-15																	
			DM74LS195AJ	†NSC	52-61	DM87S186J	†NSC	43-53	DM8574N	†NSC	35-30	DM93425AJ	†NSC	23-7																	
			DM74LS195AN	†NSC	52-62	DM87S186N	†NSC	43-54	DM8575J	†NSC	65-32	DM93425J	†NSC	23-16																	
			DM74LS195AW	†NSC	52-63	DM87S187J	†NSC	43-55	DM8575N	†NSC	65-33	EA1003	†EAI	58-86																	
			DM74LS289J	†NSC	14-39	DM87S187N	†NSC	43-56	DM8576J	†NSC	65-34	EA1004	†EAI	61-22																	
			DM74LS289N	†NSC	14-40	DM87S201J	†NSC	35-90																							

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

MEMORY	TYPE No.				TYPE No.				TYPE No.				TYPE No.			
	MFRS	Pg&Line	MFRS	Pg&Line	MFRS	Pg&Line	MFRS	Pg&Line	MFRS	Pg&Line	MFRS	Pg&Line	MFRS	Pg&Line	MFRS	Pg&Line
EA2308AC	EA1	41-83	FDR106Z1#2	MULB	45-11	HD1-74C175	HAS	51-51	HM1-7683-2	HAS	42-15	HM9-6551-5	HAS	18-86		
EA2308AP	EA1	41-84	FDR106Z1#3	MULB	45-18	HD1-74C195	HAS	50-104	HM1-7683-5	HAS	41-109	HM9-6551-9	HAS	18-81		
EA2704	EA1	40-48	FDR106Z1#4	MULB	48-102	HD1-74C200	HAS	17-79	HM1-7686-2	HAS	43-35	HM9-6551B2	HAS	18-70		
EA2708	EA1	42-43	FDR106Z	MULB	37-15	HD1-74C89	HAS	15-10	HM1-7686-5	HAS	43-14	HM9-6551B9	HAS	18-71		
EA3001#1	EA1	45-8	FDR106Z#1	MULB	37-16	HD1-74C95	HAS	51-33	HM1-7686P2	HAS	43-36	HM9-6551-9	HAS	18-87		
EA3001#2	EA1	48-97	FDR106Z#2	RTCF	37-75	HD1-4006A2	HAS	54-68	HM1-7686P5	HAS	43-15	HM9-6551-9	HAS	18-82		
EA3100	EA1	37-23	FDR106Z#2	MULB	37-75	HD1-4006A9	HAS	54-69	HM1-7686RP2	HAS	43-37	HM9-6551B2	HAS	18-72		
EA3101#1	EA1	48-42	FDR106Z#2	RTCF	42-78	HD1-4014A2	HAS	56-5	HM1-7686RP5	HAS	43-16	HM9-6551-9	HAS	18-73		
EA3101#2	EA1	48-103	FDR161BZ	RTCF	42-79	HD1-4014A9	HAS	55-97	HM1-7686R2	HAS	43-38	HM9-6551-9	HAS	18-78		
EA3200	EA1	44-56	FDY8502	RTCF	42-79	HD1-4015A2	HAS	54-1	HM1-7686R5	HAS	43-17	HM9-6552-9	HAS	18-83		
EA3200DC	EA1	44-66	FJB93H00	MULB	53-39	HD1-4015A9	HAS	53-107	HM1-7687-2	HAS	43-39	HM9-6552B2	HAS	18-74		
EA3300#1	EA1	39-18	FJB93H70	MULB	53-40	HD1-4021A2	HAS	56-3	HM1-7687-5	HAS	43-18	HM9-6552B9	HAS	18-75		
EA3300#2	EA1	40-74	FJB93L00	MULB	51-69	HD1-4021A9	HAS	55-98	HM1-7687P2	HAS	43-40	HM9-6610-2	HAS	35-42		
EA3307#1	EA1	48-34	FJB93L28	MULB	57-102	HD1-4035A2	HAS	50-66	HM1-7687P5	HAS	43-19	HM9-6610-9	HAS	35-43		
EA3307#2	EA1	48-82	FJB93300	RTCF	52-8	HD1-4035A9	HAS	50-55	HM1-7687RP2	HAS	43-41	HM9-6610B2	HAS	35-44		
EA3500	EA1	38-99	FJB9328	MULB	57-106	HD1-4042A2	HAS	50-47	HM1-7687RP5	HAS	43-20	HM9-6610B9	HAS	35-45		
EA3501	EA1	45-5	FJB9334	MULB	13-64	HD1-4042A9	HAS	50-48	HM1-7687R2	HAS	43-42	HM9-6611-9	HAS	35-46		
EA3513	EA1	45-6	FJB9338	MULB	13-6	HD9-54C164	HAS	56-93	HM1-7687R5	HAS	43-21	HM9-6611A9	HAS	35-47		
EA3701	EA1	45-1	FJB9396	MULB	57-26	HD9-54C165	HAS	56-29	HM3-6312-2	HAS	42-87	HM9-6611B2	HAS	35-31		
EA3800#1	EA1	42-80	FJB93164	MULB	56-72	HD9-54C173	HAS	51-52	HM3-6312A2	HAS	42-84	HM9-6611B9	HAS	35-48		
EA3800#2	EA1	42-81	FJB93165	MULB	56-72	HD9-54C174	HAS	54-102	HM3-6501-2	HAS	18-76	HM9-6612-2	HAS	35-49		
EA3801	EA1	65-72	FJB93198	MULB	56-80	HD9-54C175	HAS	51-5	HM3-6501B2	HAS	18-60	HM9-6612-9	HAS	35-50		
EA3815	EA1	42-7	FJB93402	MULB	14-13	HD9-54C195	HAS	51-34	HM3-6501B9	HAS	18-61	HM9-6612B2	HAS	35-51		
EA4000	EA1	40-56	FJB93404	MULB	14-29	HD9-54C200	HAS	17-80	HM3-6504-2	HAS	30-14	HM9-6612B9	HAS	35-52		
EA4001	EA1	40-37	FJB93406	MULB	34-1	HD9-54C89	HAS	15-11	HM3-6508-2	HAS	23-59	HM9-7602-5	HAS	32-67		
EA4004	EA1	45-92	FJB93410	MULB	17-8	HD9-54C95	HAS	51-35	HM3-6508B2	HAS	23-42	HM9-7603-5	HAS	32-68		
EA4015#1	EA1	48-37	FJB93415	MULB	23-21	HD9-74C164	HAS	56-94	HM3-6508B9	HAS	23-43	HM9-7608-5	HAS	41-110		
EA4015#2	EA1	48-85	FJB93434	MULB	32-51	HD9-74C165	HAS	56-30	HM3-6512-2	HAS	15-94	HM9-7610-5	HAS	34-81		
EA4018	EA1	46-49	FJJ151	RTCF	57-61	HD9-74C173	HAS	51-54	HM3-6514-2	HAS	25-75	HM9-7610A5	HAS	34-72		
EA4034#1	EA1	48-94	FJJ151A-7491A	MULB	57-62	HD9-74C174	HAS	54-103	HM3-6518-2	HAS	23-60	HM9-7611-5	HAS	34-82		
EA4034#2	EA1	49-53	FJJ151A-7491A	RTCF	57-63	HD9-74C175	HAS	51-55	HM3-6518B2	HAS	23-44	HM9-7611A5	HAS	34-73		
EA4035#1	EA1	48-55	FJJ151A-7491A	VALG	57-63	HD9-74C195	HAS	50-105	HM3-6518B9	HAS	23-45	HM9-7616-5	HAS	44-6		
EA4035#2	EA1	49-47	FJJ231	MULB	53-22	HD9-74C200	HAS	17-81	HM3-6543-2	HAS	30-17	HM9-7620-5	HAS	38-58		
EA4078	EA1	65-69	FJJ241	RTCF	54-35	HD9-74C89	HAS	15-12	HM3-6551-2	HAS	18-77	HM9-7620A5	HAS	38-42		
EA4089	EA1	65-13	FJJ241	MULB	54-35	HD9-74C95	HAS	51-36	HM3-6551B2	HAS	18-62	HM9-7621-5	HAS	38-59		
EA4122DC1	EA1	28-55	FJJ241-7496	RTCF	54-57	HD9-4014A2	HAS	56-7	HM3-6551B9	HAS	18-63	HM9-7621A5	HAS	38-43		
EA4122DC2	EA1	28-8	FJJ241A	VALG	54-57	HD9-4014A9	HAS	55-99	HM3-6561-2	HAS	18-78	HM9-7625R2	HAS	36-77		
EA4122DC3	EA1	28-9	FJJ241A	MULB	54-36	HD9-4015A2	HAS	54-2	HM3-6561B2	HAS	18-64	HM9-7625R5	HAS	36-63		
EA4122PC1	EA1	28-56	FJJ321	RTCF	53-93	HD9-4015A9	HAS	53-108	HM3-6561B9	HAS	18-65	HM9-7629-5	HAS	36-66		
EA4122PC2	EA1	28-9	FJJ371	RTCF	57-95	HD9-4021A2	HAS	56-8	HM3-6562-2	HAS	18-79	HM9-7640-5	HAS	40-12		
EA4122PC3	EA1	28-8	FJJ111	MULB	14-56	HD9-4021A9	HAS	55-100	HM3-6562B2	HAS	18-66	HM9-7640A5	HAS	39-99		
EA4501	EA1	45-58	FLQ141-74200	RTCF	17-24	HD9-4035A2	HAS	50-67	HM3-6562B9	HAS	18-67	HM9-7640A5	HAS	39-100		
EA4501-1	EA1	45-59	FLR121	SIEG	32-96	HD9-4035A9	HAS	50-56	HM3-7602-2	HAS	32-69	HM9-7641-5	HAS	40-13		
EA4501S1J	EA1	45-60	FLR131	SIEG	35-9	HD9-4042A2	HAS	50-49	HM3-7603-2	HAS	32-70	HM9-7642-5	HAS	41-7		
EA4501S2J	EA1	45-61	FLR131	SIEG	35-9	HD9-4042A9	HAS	50-50	HM3-7608-2	HAS	42-16	HM9-7642A5	HAS	40-105		
EA4600C#1	EA1	43-82	FT19	XDS	53-99	HD2316	HITJ	13-79	HM3-7610-2	HAS	34-90	HM9-7642P5	HAS	40-106		
EA4600C#2	EA1	44-41	GDN116	SIEG	59-53	HD2524	HITJ	57-64	HM3-7610A2	HAS	34-79	HM9-7643-5	HAS	41-8		
EA4600C#3	EA1	44-41	GDN116A	SIEG	59-54	HD2524P	HITJ	57-65	HM3-7611-2	HAS	34-91	HM9-7643A5	HAS	40-107		
EA4600C#4	EA1	44-42	GDQ101	SIEG	17-53	HD2533	HITJ	53-66	HM3-7611A2	HAS	34-80	HM9-7643P5	HAS	40-108		
EA4600C#5	EA1	43-77	GDQ106	SIEG	17-54	HD2533P	HITJ	53-67	HM3-7620-2	HAS	38-62	HM9-7644-5	HAS	41-9		
EA4600C#6	EA1	43-78	GER542W1#1	GESY	44-30	HD2534	HITJ	53-91	HM3-7620A2	HAS	38-50	HM9-7644A5	HAS	40-109		
EA4600C#7	EA1	44-37	GER542W1#2	GESY	43-2	HD2534P	HITJ	53-92	HM3-7621-2	HAS	38-63	HM9-7645-2	HAS	41-22		
EA4600C#8	EA1	44-38	GER542W1#3	GESY	40-91	HD2546	HITJ	54-58	HM3-7621A2	HAS	38-51	HM9-7645-5	HAS	40-110		
EA4600M#1	EA1	43-79	GER542W1#4	GESY	39-79	HD2546P	HITJ	54-59	HM3-7625R2	HAS	36-76	HM9-7645P2	HAS	41-23		
EA4600M#2	EA1	43-80	GER543W1	GESY	45-62	HD3101P	HITJ	57-96	HM3-7625R5	HAS	36-62	HM9-7645P5	HAS	41-1		
EA4600M#3	EA1	44-39	GER1101	GESY	18-17	HD3109P	HITJ	59-45	HM3-7629-5	HAS	36-65	HM9-7647R5	HAS	39-103		
EA4600M#4	EA1	44-40	GER1103	GESY	22-67	HD3116P	HITJ	58-32	HM3-7640-2	HAS	40-23	HM9-7648-5	HAS	39-104		
EA4700DC1	EA1	41-85	GER11011	GESY	18-16	HD3117P	HITJ	59-16	HM3-7640AR2	HAS	40-8	HM9-7649-5	HAS	39-105		
EA4700DC2	EA1	41-79	GFB7495	RTCF	52-9	HD3118P	HITJ	58-23	HM3-7640A2	HAS	40-9	HM9-7680-5	HAS	42-1		
EA4700DM	EA1	41-87	GFB7496	RTCF	54-37	HD3119P	HITJ	59-46	HM3-7641-2	HAS	40-24	HM9-7680P5	HAS	42-2		
EA4700PC1	EA1	41-86	GFB74195	RTCF	52-10	HD3213P	HITJ	59-83	HM3-7641AR2	HAS	40-10	HM9-7680RP5	HAS	42-3		
EA4700PC2	EA1	41-80	GTC3101AD	RTCF	14-22	HD3214P	HITJ	59-106	HM3-7641A2	HAS	40-11	HM9-7680R5	HAS	42-4		
EA4800#1	EA1	44-25	GTC3101AD	RTCF	14-30	HD3220P	HITJ	62-85	HM3-7642-2	HAS	41-28	HM9-7681-5	HAS	42-5		
EA4800#2	EA1	44-26	GWN105	ALGG	60-25	HD3224P	HITJ	59-50	HM3-7642A2	HAS	41-16	HM9-7681P5	HAS	42-6		
EA4800#3	EA1	44-53	GXB10146	RTCF	22-93	HD3502	HITJ	62-40	HM3-7642P2	HAS	41-17	HM9-7681RP5	HAS	42-7		
EA4800#4	EA1	44-54	GXB10149A	SIEG	34-66	HD3503	HITJ	63-6	HM3-7643-2	HAS	41-29	HM9-7681R5	HAS	42-8		
EA4900#1	EA1	43-106	GXB10149D	RTCF	33-72	HD3504	HITJ	63-56	HM3-7643A2	HAS	41-18	HM9-7683-2	HAS	42-24		
EA4900#2	EA1	43-107	GXB10151	RTCF	15-33	HD3505	HITJ	62-84	HM3-7643P2	HAS	41-19	HM9-7683-5	HAS	42-9		
EA4900C#1	EA1	43-108	GXB95410	RTCF	16-19	HD3506	HITJ	60-83	HM3-7644-2	HAS	41-30	HM9-7684-5	HAS	43-22		
EA4900C#2	EA1	43-109	GYN101A	VALG	59-58	HD3507	HITJ	60-84	HM3-7644A2	HAS	41-6	HM9-7684P5	HAS	43-23		
EA4900L#1	EA1	44-51	GYN111	VALG	61-15	HD3508	HITJ	60-3	HM3-7645-2	HAS	41-20	HM9-7685-5	HAS	43-24		
EA4900L#2	EA1	44-52	GYN121	VALG	60-37	HD3509	HITJ	61-37	HM3-7645-5	HAS	40-103	HM9-				

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg/Line	TYPE No.	MFRS	Pg/Line	TYPE No.	MFRS	Pg/Line	TYPE No.	MFRS	Pg/Line	TYPE No.	MFRS	Pg/Line
HM4704L-6	HITJ	29-48	IM53S20CDG	INL	42-69	IM6508IDN	INL	23-78	IM7552CDE	INL	25-3	M2400T4	SGAI	39-60
HM4710	HITJ	27-78	IM53S20CJG	INL	42-70	IM6508MDE	INL	23-79	IM7552CPE	INL	25-4	M24001B	SGAI	39-58
HM4711-1	HITJ	27-83	IM53S20MDG	INL	42-73	IM6508MDN	INL	23-80	IM7552MDE	INL	25-5	M3300AD1	SGAI	25-7
HM4711-2	HITJ	27-90	IM53S20MJG	INL	42-74	IM6512A-IFN	INL	15-93	IM7552MPE	INL	25-6	M3300BB1	SGAI	24-103
HM4711-3	HITJ	28-13	IM55S08ACDE	INL	22-100	IM6512CDFN	INL	15-98	IM7601CDE	INL	34-48	M3300BD1	SGAI	24-104
HM4716-3	HITJ	31-65	IM55S08ACJE	INL	22-101	IM6512CFN	INL	15-99	IM7601MDE	INL	34-57	M3300CB1	SGAI	24-90
HM4716-4	HITJ	31-76	IM55S08CDE	INL	22-104	IM6512IFN	INL	15-97	IM7602CDG	INL	33-34	M3300CD1	SGAI	24-91
HM6148PLP	none	25-74	IM55S08CJE	INL	22-105	IM6518-1IDE	INL	23-71	IM7602MDG	INL	33-38	M1403A	ITL	63-27
HM6148PLP-3	none	25-73	IM55S08MDE	INL	22-108	IM6518-1IDN	INL	23-72	IM7603CDG	INL	36-17	M1404A	ITL	63-90
HM36312C-9	none	42-89	IM55S08MJE	INL	22-109	IM6518-1MDE	INL	23-73	IM7603MDG	INL	36-32	M1405A	ITL	62-90
HM45102	HITJ	24-85	IM55S18ACDE	INL	22-102	IM6518-1MDN	INL	23-74	IM7604CDG	INL	39-4	M2114-USA	EMM	26-64
HM47214AP	none	25-85	IM55S18ACJE	INL	22-103	IM6518A-1IDE	INL	23-36	IM7604MDG	INL	37-34	M2214-3MA	none	26-18
HM47214AP-2	none	25-95	IM55S18ACDE	INL	22-106	IM6518A-1IDN	INL	23-53	IM7605CDG	INL	39-5	M3602	ITL	38-69
HM96312A-2	none	42-85	IM55S18CJE	INL	22-107	IM6518A-1MDE	INL	23-37	IM7605MDG	INL	37-35	M3602-6	ITL	38-71
HM435101	HITJ	23-89	IM55S18MDE	INL	22-110	IM6518A-1MDN	INL	23-54	IM7702CDE	INL	62-50	M3621	ITL	34-95
HM435101-1	HITJ	23-77	IM55S18MJE	INL	23-1	IM6518AIDE	INL	23-55	IM7702MDE	INL	62-51	M3622	ITL	38-70
HM435101-V	HITJ	23-90	IM55S23CJE	INL	16-59	IM6518AIDN	INL	23-56	IM7703#2	INL	63-22	M3622-6	EMM	38-72
HM435101P	HITJ	19-6	IM55S23MJE	INL	16-71	IM6518AMDE	INL	23-57	IM7703#1	INL	63-23	M4104UMC	EMM	26-53
HM435101P-1	HITJ	18-96	IM55S33CJE	INL	16-60	IM6518AMDN	INL	23-58	IM7703CMD	INL	63-24	M4104USC	EMM	26-50
HM435101VP	HITJ	19-7	IM55S33MJE	INL	16-72	IM6518CPN	INL	23-88	IM7703CTV	INL	63-25	M4200-USC	EMM	30-96
HM452102-3	HITJ	24-73	IM65X08MJ	none	23-101	IM6518IDE	INL	23-81	IM7704#2	INL	63-85	M5391P	MITJ	57-39
HM452102-4	HITJ	24-78	IM6512	INL	42-76	IM6518IDN	INL	23-82	IM7704#1	INL	63-86	M5395P	MITJ	50-29
HN3200P	HITJ	36-39	IM0641	INL	15-28	IM6518MDE	INL	23-83	IM7704CMD	INL	63-87	M5823P	MITJ	59-17
HN3250P	HITJ	39-78	IM1003	INL	15-106	IM6518MDN	INL	23-84	IM7704CTV	INL	63-88	M5825P	MITJ	59-44
HN46364	none	44-72	IM1289E	INL	16-2	IM6523CFE	INL	17-72	IM7706CTA	INL	60-110	M5826P	MITJ	59-43
HN46532-2	HITJ	44-60	IM1289E	INL	16-8	IM6523IDE	INL	17-73	IM7706MTA	INL	60-98	M58201P	MITJ	58-28
HN46532-3	HITJ	44-63	IM1503	INL	15-109	IM6523MDE	INL	17-74	IM7707CTA	INL	61-1	M58209P	MITJ	60-24
HN46830A	HITJ	41-95	IM2114-3CJN	none	26-54	IM6524-1IDE	INL	17-90	IM7707MTA	INL	60-99	M58209P	MITJ	60-24
HN351702A	HITJ	36-101	IM2114-CJN	none	26-62	IM6524-1IDN	INL	17-68	IM7708CDG	INL	42-56	M58233P	MITJ	59-18
HN462708	HITJ	42-45	IM4096X1	INL	30-5	IM6524-1MDE	INL	17-91	IM7712CTV	INL	63-71	M58301P	MITJ	61-106
HPROM0512-2	HAS	33-15	IM5501CDE	INL	14-73	IM6524-1MDN	INL	17-69	IM7712CTW	INL	63-72	M58332-XXXP	MITJ	44-55
HPROM0512-5	HAS	33-16	IM5501CFE	INL	14-74	IM6524A-1IDE	INL	17-86	IM7722CMD	INL	63-73	M58480P	MITJ	19-36
HPROM0512-8	HAS	33-12	IM5501CPE	INL	14-75	IM6524A-1IDN	INL	17-60	IM7722CPA	INL	63-74	M58481S	MITJ	25-84
HPROM1024-2	HAS	34-97	IM5501MDE	INL	14-76	IM6524A-1MDE	INL	17-87	IM7722CTA	INL	63-75	M58502P	MITJ	62-44
HPROM1024-5	HAS	34-98	IM5501MFE	INL	14-77	IM6524A-1MDN	INL	17-61	IM7722CTV	INL	63-76	M58503P	MITJ	63-77
HPROM1024-8	HAS	34-99	IM5501MPE	INL	14-78	IM6524AIDE	INL	17-88	IM7733CDA	INL	64-8	M58504P	MITJ	63-77
HPROM1024A2	HAS	34-100	IM5502#1	INL	13-80	IM6524AIDN	INL	17-62	IM7733CTA	INL	64-9	M58531P	MITJ	18-4
HPROM1024A5	HAS	34-101	IM5502#2	INL	13-81	IM6524AMDE	INL	17-89	IM7733CTY	INL	64-8	M58533P	MITJ	27-33
HPROM1024A8	HAS	34-102	IM5503ACDE	INL	17-10	IM6524AMDN	INL	17-63	IM7733MDA	INL	64-11	M58563S1#1	MITJ	37-7
HPROM1256-2	HAS	33-63	IM5503ACPE	INL	17-11	IM6524CFE	INL	17-64	IM7733MPA	INL	64-12	M58563S1#2	MITJ	38-92
HPROM1256-5	HAS	33-64	IM5503AMDE	INL	17-17	IM6524CFE	INL	17-65	IM7733MTY	INL	64-12	M58721S	MITJ	20-25
HPROM1256-8	HAS	33-60	IM5503AMFE	INL	17-18	IM6524IDE	INL	17-92	IM7780CDC	INL	60-48	M58722S	MITJ	20-26
HPROM8256-2	HAS	32-97	IM5503CDE	INL	17-25	IM6524IDN	INL	17-70	IM7780CDE	INL	60-50	M58723S	MITJ	20-27
HPROM8256-5	HAS	32-98	IM5503CFE	INL	17-26	IM6524MDE	INL	17-93	IM7780CPE	INL	60-51	M58733S	MITJ	43-59
HPROM8256-8	HAS	32-99	IM5503CPE	INL	17-27	IM6524MDN	INL	17-71	IM7780MDC	INL	60-51	M58733S-1	MITJ	43-60
HRAM0016-2	HAS	13-108	IM5503MDE	INL	17-28	IM6524MFE	INL	17-66	IM855003	INL	31-24	M58751P2	MITJ	25-8
HRAM0016-5	HAS	13-109	IM5503MFE	INL	17-29	IM6524MPE	INL	17-67	IM855004	INL	31-28	M58755S3	MITJ	27-95
HRAM0064-2	HAS	14-71	IM5503MPE	INL	17-30	IM6551-IDF	INL	18-109	ISR0212	EEC	53-96	M58755S	MITJ	29-16
HRAM0064-5	HAS	14-72	IM5508CDE	INL	23-24	IM6551-IDF	INL	18-110	ISR0253	EEC	58-17	M58756K	MITJ	29-17
HRAM0512-2	HAS	33-13	IM5508MDE	INL	23-26	IM6551A-IDF	INL	18-89	ISR2212	EEC	53-97	M58759K-15	MITJ	31-59
HRAM0512-5	HAS	33-14	IM5512#1	INL	13-82	IM6551A-MDF	INL	18-90	ISR2253	EEC	58-18	M58759K-20	MITJ	31-69
HRAM0512-8	HAS	33-14	IM5512#2	INL	13-83	IM6551CDF	none	18-97	ISR2276	EEC	53-98	M58759K-25	MITJ	31-82
HRM1024-2-0002	HAS	48-67	IM5522	INL	13-84	IM6561-IDN	INL	19-1	ISR9005	EEC	62-29	M58759K-30	MITJ	31-90
HRM1024-2-0003	HAS	48-68	IM5523ACDE	INL	17-12	IM6561-MDN	INL	19-2	IT774LS174	ITL	54-107	M58759P-30	MITJ	31-91
HRM1024-2-0004	HAS	48-21	IM5523ACPE	INL	17-13	IM6561A-IDN	INL	18-91	IT774LS175	ITL	52-81	M58759S	MITJ	31-97
HRM1024-2-0005	HAS	48-22	IM5523AMDE	INL	17-19	IM6561A-MDN	INL	18-92	IT7730-ID	ITL	50-23	M58759S-30	MITJ	31-92
HRM1024-5-0002	HAS	48-69	IM5523CFE	INL	17-20	IM6603AIDG	INL	41-42	IT7730-5D	ITL	50-24	M58981S	MITJ	25-81
HRM1024-5-0003	HAS	48-70	IM5523CPE	INL	17-31	IM6603AJG	INL	41-43	IT771144-1C	ITL	61-80	M58981S-30	MITJ	25-77
HRM1024-5-0004	HAS	48-23	IM5523MDE	INL	17-32	IM6603IDG	INL	41-44	IT77329-5C	ITL	62-89	MB452	FCAJ	51-25
HRM1024-5-0005	HAS	48-24	IM5523MFE	INL	17-33	IM6603IJG	INL	41-45	IT77330-5C	ITL	62-73	MB452M	FCAJ	51-26
HRM1024-5-0006	HAS	48-25	IM5523MPE	INL	17-34	IM6604AIDG	INL	40-42	IT77331-5C	ITL	62-81	MB453	FCAJ	54-38
HRM1024B2	HAS	34-16	IM5528CDE	INL	23-25	IM6604AJG	INL	40-43	IT773347	ITL	60-65	MB453M	FCAJ	54-39
HRM1024B2-0002	HAS	48-71	IM5532	INL	23-27	IM6604IDG	INL	40-44	IT773357	ITL	60-68	MB454	FCAJ	58-5
HRM1024B2-0003	HAS	48-72	IM5533ACDE	INL	13-85	IM6604IJG	INL	40-45	IT773383-5C	ITL	62-2	MB454M	FCAJ	58-6
HRM1024B2-0004	HAS	48-25	IM5533ACPE	INL	17-14	IM7001-12CDF	INL	25-28	IT73514-1	ITL	39-59	MB455	FCAJ	55-45
HRM1024B2-0005	HAS	48-26	IM5533AMDE	INL	17-15	IM7001-12CPF	INL	25-29	IT73514-2	ITL	39-61	MB455M	FCAJ	55-46
HRM1024B2-0006	HAS	48-27	IM5533AMFE	INL	17-21	IM7001-15CDF	INL	25-32	IT74027-2J	ITL	27-94	MB460	FCAJ	13-38
HRM1024B2-0007	HAS	48-28	IM5533CDE	INL	17-22	IM7003	INL	27-14	IT74027-3J	ITL	28-20	MB460M	FCAJ	13-39
HRM1024B2-0008	HAS	48-29	IM5533CFE	INL	17-23	IM7003-12CDF	INL	27-15	IT74027-4J	ITL	28-62	MB7041	FCAJ	16-20
HRM1024B2-0009	HAS	48-30	IM5533CPE	INL	17-24	IM7005-11-6B	INL	28-59	IT74027-6J	ITL	29-52	MB7044	FCAJ	16-28
HRM1024B2-0010	HAS	48-31	IM5533MDE	INL	17-25	IM7005-12-6B	INL	29-12	IT74116-2J	ITL	31-58	MB7046H	FCAJ	22-91
HRM1024B2-0011	HAS	48-32	IM5533MFE	INL	17-26	IM7008-10-6D	INL	29-12	IT74116-3J	ITL	31-68	MB7046N		

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

MEMORY	TYPE No.		MFRS		Pg&Line		TYPE No.		MFRS		Pg&Line		TYPE No.		MFRS		Pg&Line	
	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
	MB8201H	FCAJ	21-89	MC14015CP	♦MOTA	54-9	MCM6574P	♦MOTA	45-110	MD6510	MILC	16-97	MIC74166N	ITT	56-67			
	MB8201N	FCAJ	21-94	MC14015L	♦MOTA	54-5	MCM6575L	♦MOTA	46-1	MD6703AC	♦MITC	62-68	MIC74174J	ITT	54-65			
	MB8202	FCAJ	26-108	MC14021AL	♦MOTA	55-89	MCM6575P	♦MOTA	46-2	MD6703AE	♦MITC	62-69	MIC74174N	ITT	54-66			
	MB8214	FCAJ	28-47	MC14021CP	♦MOTA	55-86	MCM6576L	♦MOTA	46-3	MD6703AF	♦MITC	62-70	MIC74175J	ITT	50-33			
	MB8214E	♦FCAJ	28-107	MC14021CL	♦MOTA	55-87	MCM6576P	♦MOTA	46-4	ME511	♦AMI	65-51	MIC74175N	ITT	50-34			
	MB8214H	♦FCAJ	28-48	MC14034AL	♦MOTA	55-24	MCM6577L	♦MOTA	46-5	MEM3008PS	♦GIC	55-88	MIC74194J	♦ITT	52-15			
	MB8214N	♦FCAJ	29-39	MC14034CL	♦MOTA	55-25	MCM6577P	♦MOTA	46-6	MEM3021	♦GIC	55-89	MIC74194N	♦ITT	52-16			
	MB8215	FCAJ	27-79	MC14035AL	♦MOTA	50-53	MCM6578L	♦MOTA	46-7	MEM3021B	♦GIC	58-45	MIC74195J	♦ITT	52-85			
	MB8215E	♦FCAJ	27-80	MC14035CL	♦MOTA	50-51	MCM6578P	♦MOTA	46-8	MF1101A1#1	♦MILC	17-103	MIC74195N	♦ITT	52-86			
	MB8216	FCAJ	31-35	MC14035CP	♦MOTA	50-52	MCM6579L	♦MOTA	46-9	MF1101A1#2	♦MILC	17-104	MK1002N	♦MOS	61-38			
	MB8224E	FCAJ	28-49	MC14076AL	♦MOTA	51-5	MCM6579P	♦MOTA	46-10	MF1101A#1	♦MILC	18-5	MK1007P	♦MOS	60-52			
	MB8224N	FCAJ	28-108	MC14076CL	♦MOTA	50-70	MCM6664C	none	31-109	MF1101A#2	♦MILC	18-6	MK2000P#1	♦MOS	45-29			
	MB8308E	FCAJ	41-88	MC14076CP	♦MOTA	50-70	MCM6664L	none	31-110	MF1103	♦MILC	22-35	MK2000P#2	♦MOS	45-20			
	MB8308N	FCAJ	41-93	MC14076CP	♦MOTA	50-70	MCM7001L1	♦MOTA	23-109	MF1103-1	♦MILC	22-14	MK2002P	♦MOS	45-30			
	MB8401E	♦FCAJ	23-102	MC14517CP	♦MOTA	59-98	MCM7001L	♦MOTA	23-107	MF1103-1#1	♦MILC	22-15	MK2002P#1	♦MOS	45-31			
	MB8401H	FCAJ	23-99	MC14517CL	♦MOTA	59-94	MCM10140AL	♦MOTA	15-34	MF1103-1#2	♦MILC	22-16	MK2002P#2	♦MOS	45-21			
	MB8401N	FCAJ	23-104	MC14549AL	♦MOTA	57-43	MCM10140AL	♦MOTA	15-31	MF1103#1	♦MILC	22-36	MK2101P	♦MOS	45-65			
	MB8411E	♦FCAJ	23-103	MC14549CL	♦MOTA	57-44	MCM10142AL	♦MOTA	15-29	MF1103#2	♦MILC	22-37	MK2300P	♦MOS	46-37			
	MB8411H	FCAJ	23-100	MC14549CP	♦MOTA	59-71	MCM10142AL	♦MOTA	15-32	MF1301#1	♦MILC	36-5	MK2302P	♦MOS	45-72			
	MB8411N	♦FCAJ	23-105	MC14557AL	♦MOTA	59-71	MCM10144AL	♦MOTA	16-24	MF1301#2	♦MILC	35-69	MK2400P24	♦MOS	37-27			
	MB8503	FCAJ	36-103	MC14557CL	♦MOTA	59-65	MCM10147AL	♦MOTA	15-104	MF1402A	♦MILC	62-53	MK2400P28	♦MOS	37-28			
	MB8513	FCAJ	36-104	MC14557CP	♦MOTA	59-68	MCM10148AL	♦MOTA	15-35	MF1403A	♦MILC	63-28	MK2400P28#1	♦MOS	37-29			
	MB8518	FCAJ	42-46	MC14559AL	♦MOTA	57-46	MCM10149AL	♦MOTA	33-73	MF1403A#1	♦MILC	63-29	MK2400P28#2	♦MOS	37-30			
	MB8518E	FCAJ	42-55	MC14559CL	♦MOTA	57-47	MCM10150AL	♦MOTA	33-71	MF1403A#2	♦MILC	63-30	MK2408P	♦MOS	45-50			
	MB10141	FCAJ	53-61	MC14559CP	♦MOTA	57-48	MCM14505AL	♦MOTA	15-39	MF1404A	♦MILC	63-91	MK2500P#1	♦MOS	39-63			
	MB10141M	FCAJ	53-62	MC14562AL	♦MOTA	61-35	MCM14505CL	♦MOTA	15-40	MF1404A#1	♦MILC	63-92	MK2500P#2	♦MOS	40-83			
	MB10145	FCAJ	14-11	MC14580AL	♦MOTA	13-11	MCM14505CP	♦MOTA	15-41	MF1404A#2	♦MILC	63-93	MK2503P#1	♦MOS	48-35			
	MB84015	FCAJ	54-3	MC14580CL	♦MOTA	13-12	MCM14505L	♦MOTA	15-38	MF1405	♦MILC	62-91	MK2503P#2	♦MOS	48-83			
	MB84015M	FCAJ	53-109	MC14580CP	♦MOTA	13-13	MCM65038P	none	41-89	MF1406	♦MILC	60-94	MK2600P#1	♦MOS	39-64			
	MB84021	FCAJ	56-9	MC54164AF	♦MOTA	56-109	MCM66700L	♦MOTA	46-43	MF1407	♦MILC	60-95	MK2600P#2	♦MOS	40-84			
	MB84021M	FCAJ	55-101	MC54164AL	♦MOTA	56-110	MCM66710L	♦MOTA	46-56	MF1506	♦MILC	60-96	MK2601P#1	♦MOS	48-36			
	MB84035	FCAJ	50-68	MC74164AF	♦MOTA	57-1	MCM66714L	♦MOTA	46-57	MF1507	♦MILC	60-97	MK2601P#2	♦MOS	48-84			
	MB84035M	FCAJ	50-57	MC74164AL	♦MOTA	57-2	MCM66720L	♦MOTA	46-58	MF1601#1	♦MILC	35-74	MK2701P	♦MOS	42-49			
	MBM2115E	♦FCAJ	24-60	MC74164AP	♦MOTA	57-3	MCM66730L	♦MOTA	46-59	MF1601#2	♦MILC	36-105	MK3108P	♦MOS	45-66			
	MBM2115H	♦FCAJ	24-40	MC74165P	♦MOTA	56-56	MCM66740L	♦MOTA	46-60	MF1602	♦MILC	36-106	MK3602P-1	♦MOS	36-1			
	MBM2115N	♦FCAJ	24-70	MC74165F	♦MOTA	56-57	MCM66750L	♦MOTA	46-61	MF1701#1	♦MILC	35-75	MK3602P-2	♦MOS	36-3			
	MBM2115Y	♦FCAJ	24-16	MC74195P	♦MOTA	52-82	MCM66760L	♦MOTA	46-62	MF1701#2	♦MILC	36-107	MK3602P-3	♦MOS	36-8			
	MBM2125E	♦FCAJ	24-61	MCM0464L50	♦MOTA	65-80	MCM66770L	♦MOTA	46-63	MF1702	♦MILC	36-108	MK3702T-1	♦MOS	36-2			
	MBM2125H	♦FCAJ	24-41	MCM0464L60	♦MOTA	65-81	MCM66780L	♦MOTA	46-64	MF2102	♦MILC	24-94	MK3702T-2	♦MOS	36-4			
	MBM2125N	♦FCAJ	24-71	MCM0464L70	♦MOTA	65-82	MCM66790L	♦MOTA	46-65	MF2102-1	♦MILC	24-95	MK3702T-3	♦MOS	36-9			
	MBM2125Y	♦FCAJ	24-17	MCM1110LA#1	♦MOTA	36-19	MCM93422DM	none	18-28	MF2102#1	♦MILC	25-11	MK4001P	♦MOS	18-18			
	MBM40044H	FCAJ	30-29	MCM1110LA#2	♦MOTA	38-11	MCM93422DM	none	18-29	MF2102#2	♦MILC	25-12	MK4002P	♦MOS	15-73			
	MBM10415	FCAJ	22-98	MCM1110LB	♦MOTA	38-12	MCM93422FM	none	18-30	MF2401	♦MILC	64-46	MK4006P-6P	♦MOS	22-55			
	MBM93415A	♦FCAJ	23-19	MCM1110LC	♦MOTA	36-20	MCS1004	♦MTY	45-22	MF7005	♦MILC	22-29	MK4006P	♦MOS	22-56			
	MBM93415AH	♦FCAJ	23-9	MCM1111L	♦MOTA	49-38	MCS1004A	♦MTY	46-20	MF7006	♦MILC	22-54	MK4007P	♦MOS	18-14			
	MBM93419	♦FCAJ	15-89	MCM1112L	♦MOTA	49-39	MCS1005	♦MTY	45-23	MF7104	♦MILC	61-47	MK4008P	♦MOS	22-59			
	MC794P	♦MOTA	53-65	MCM1120L	♦MOTA	46-29	MCS1007	♦MTY	35-70	MF7105	♦MILC	61-13	MK4008P-9P	♦MOS	22-65			
	MC1036F	♦MOTA	13-73	MCM1121L	♦MOTA	45-63	MCS1008	♦MTY	33-6	MF7107	♦MILC	45-47	MK4008P	♦MOS	22-60			
	MC1036P	♦MOTA	13-74	MCM1122L	♦MOTA	45-64	MCS1009	♦MTY	37-54	MF7110	♦MILC	39-17	MK4012P	♦MOS	59-12			
	MC1037F	♦MOTA	13-75	MCM1130L#1	♦MOTA	45-26	MCS2000	♦MTY	45-57	MF7111	♦MILC	63-52	MK4027P-1	♦MOS	27-82			
	MC1037P	♦MOTA	13-76	MCM1130L#2	♦MOTA	45-19	MCS2001	♦MTY	45-25	MF7111A	♦MILC	63-51	MK4027P-2	♦MOS	27-98			
	MC1141G	♦MOTA	60-20	MCM1131L	♦MOTA	45-27	MCS2002	♦MTY	37-31	MF7112	♦MILC	29-56	MK4027P-2Δ	♦INL	27-99			
	MC1142G	♦MOTA	61-95	MCM1132L	♦MOTA	45-28	MCS2003	♦MTY	37-53	MIC370-1D	ITT	50-25	MK4027P-3	♦MOS	28-25			
	MC1160G	♦MOTA	61-16	MCM1140L#1	♦MOTA	39-74	MCS2004	♦MTY	39-3	MIC370-1D1	ITT	50-26	MK4027P-3Δ	♦INL	28-26			
	MC1161G	♦MOTA	59-41	MCM1140L#2	♦MOTA	40-87	MCS2005	♦MTY	40-63	MIC370-5D	ITT	50-27	MK4027P-4	♦MOS	28-65			
	MC1182L	♦MOTA	36-40	MCM1141L	♦MOTA	40-53	MCS2006	♦MTY	42-98	MIC370-5D1	ITT	50-28	MK4027P-4Δ	♦INL	28-66			
	MC1236L	♦MOTA	13-77	MCM1150LA#1	♦MOTA	37-32	MCS2007	♦MTY	37-17	MIC5033-5D1	♦ITT	13-98	MK4096K-6	♦MOS	29-77			
	MC1237L	♦MOTA	13-78	MCM1150LA#2	♦MOTA	39-6	MCS2008	♦MTY	44-28	MIC5033-5D2	♦ITT	13-99	MK4096K-11	♦MOS	29-99			
	MC1680L	♦MOTA	13-2	MCM1150LB	♦MOTA	39-7	MCS2009	♦MTY	42-100	MIC5481J	♦ITT	13-86	MK4096K-16	♦MOS	29-88			
	MC1680S	♦MOTA	13-3	MCM1150LC	♦MOTA	37-33	MCS2010	♦MTY	40-69	MIC5484J	♦ITT	13-87	MK4096N-6	♦MOS	29-78			
	MC1681L	♦MOTA	13-4	MCM1151L#1	♦MOTA	48-43	MCS2011	♦MTY	38-4	MIC5491AJ	♦ITT	57-77	MK4096N-11	♦MOS	29-100			
	MC1681S	♦MOTA	13-5	MCM1151L#2	♦MOTA	48-104	MCS2012	♦MTY	36-11	MIC5494J	♦ITT	53-72	MK4096N-15	♦MOS	29-101			
	MC1682L	♦MOTA	47-1	MCM1170L	♦MOTA	15-15	MCS2014	♦MTY	40-64	MIC5495AJ	♦ITT	51-87	MK4096N-16	♦MOS	29-102			

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
MM54C164F	NSC	56-83	MM2112AJ	NSC	20-19	MM4225D#1	NSC	36-36	MM5060ABD	NSC	61-62	MM5231D#1	NSC	36-29
MM54C164J	NSC	56-84	MM2112AJ-2	NSC	20-14	MM4225D#2	NSC	38-27	MM5060ABN	NSC	61-63	MM5231D#2	NSC	38-21
MM54C165D	NSC	55-102	MM2112AJ-4	NSC	20-31	MM4225D#3	NSC	40-71	MM5060ACD	NSC	61-68	MM5231J#1	NSC	36-30
MM54C165F	NSC	55-103	MM2112AJ-4L	NSC	20-32	MM4225D#4	NSC	42-102	MM5060ACN	NSC	61-69	MM5231J#2	NSC	38-22
MM54C165J	NSC	55-104	MM2112AJ-6	NSC	20-57	MM4227D	NSC	37-40	MM5060ADD	NSC	61-81	MM5231N#1	NSC	36-31
MM54C173D	NSC	51-6	MM2112AJ-6L	NSC	20-58	MM4228D	NSC	37-41	MM5060ADN	NSC	61-82	MM5231N#2	NSC	38-23
MM54C173F	NSC	51-7	MM2112AJ-L	NSC	20-20	MM4229D	NSC	37-45	MM5060AXD	NSC	61-83	MM5232AEIJ	NSC	65-63
MM54C173J	NSC	51-8	MM2112AN	NSC	20-21	MM4230D#1	NSC	36-13	MM5060XXN	NSC	61-84	MM5232AEIN	NSC	65-64
MM54C174D	NSC	54-91	MM2112AN-2	NSC	20-15	MM4230D#2	NSC	38-6	MM5061N	NSC	61-29	MM5232AEJ	NSC	65-65
MM54C174F	NSC	54-92	MM2112AN-4	NSC	20-33	MM4230FEJ#1	NSC	48-107	MM5061N	NSC	61-30	MM5232AEJN	NSC	65-66
MM54C174J	NSC	54-93	MM2112AN-4L	NSC	20-34	MM4230FEJ#2	NSC	48-86	MM5081	NSC	58-16	MM5232AEKJ	NSC	65-67
MM54C175D	NSC	50-98	MM2112AN-6	NSC	20-59	MM4230J#1	NSC	36-14	MM5104H	NSC	62-72	MM5232AEKN	NSC	65-68
MM54C175F	NSC	50-99	MM2112AN-6L	NSC	20-60	MM4230J#2	NSC	38-7	MM5105H	NSC	60-5	MM5232J#1	NSC	39-76
MM54C175J	NSC	50-100	MM2112AN-L	NSC	20-22	MM4230JTJ#1	NSC	49-11	MM5202AD	NSC	37-2	MM5232J#2	NSC	40-89
MM54C195D	NSC	50-71	MM2114N-055	NSC	26-33	MM4230JTJ#2	NSC	48-89	MM5202AQ	NSC	37-3	MM5232N#1	NSC	39-77
MM54C195F	NSC	50-72	MM2147N-055	NSC	30-28	MM4230NNJ	NSC	45-84	MM5202AQ#1	NSC	37-4	MM5232N#2	NSC	40-90
MM54C195J	NSC	50-73	MM2316EJ	NSC	43-84	MM4230NOJ	NSC	45-85	MM5203D#1	NSC	38-90	MM5233D	NSC	39-67
MM54C922N	NSC	49-61	MM2402	MMI	62-63	MM4230QJ	NSC	49-50	MM5203D#2	NSC	37-5	MM5233J	NSC	39-68
MM54C923N	NSC	49-63	MM2403	MMI	63-43	MM4230QJ#1	NSC	48-75	MM5203Q#1	NSC	38-91	MM5233N	NSC	39-69
MM74C95J	NSC	50-101	MM2404	MMI	63-110	MM4230QJ#2	NSC	48-29	MM5204D	NSC	40-49	MM5240ABUN	NSC	46-55
MM74C95N	NSC	50-77	MM2405	MMI	62-100	MM4231CMUJ	NSC	49-42	MM5210D	NSC	34-42	MM5240ABZJ	NSC	46-51
MM74C164J	NSC	56-85	MM2406	MMI	61-2	MM4231D#1	NSC	36-27	MM5210J	NSC	34-43	MM5240ACAJ	NSC	46-52
MM74C164N	NSC	56-86	MM2407	MMI	61-3	MM4231D#2	NSC	38-19	MM5210N	NSC	34-44	MM5240ACAN	NSC	46-53
MM74C165J	NSC	55-105	MM2708M	NSC	42-50	MM4231J#1	NSC	36-28	MM5211D	NSC	34-52	MM5240D	NSC	46-34
MM74C165N	NSC	55-106	MM2716	NSC	44-18	MM4231J#2	NSC	38-20	MM5211J	NSC	34-53	MM5240J	NSC	46-35
MM74C173J	NSC	51-9	MM2758-1	NSC	44-19	MM4232AEIJ	NSC	65-60	MM5211N	NSC	34-54	MM5240N	NSC	46-36
MM74C173N	NSC	51-10	MM3402	MMI	44-14	MM4232AEJ	NSC	65-61	MM5212AD	NSC	42-92	MM5241D	NSC	46-25
MM74C174J	NSC	54-94	MM3403	MMI	62-64	MM4232AEKJ	NSC	65-62	MM5212AN	NSC	42-93	MM5241J	NSC	46-26
MM74C174N	NSC	54-95	MM3404	MMI	63-44	MM4232J#1	NSC	39-75	MM5213	NSC	36-18	MM5241N	NSC	46-27
MM74C175J	NSC	50-102	MM3405	MMI	64-1	MM4232J#2	NSC	40-88	MM5213D#1	NSC	36-24	MM5242J	NSC	41-97
MM74C175N	NSC	50-103	MM3407	MMI	62-101	MM4233D	NSC	39-65	MM5213D#2	NSC	38-16	MM5242N	NSC	41-98
MM74C195J	NSC	50-74	MM3412	MMI	61-4	MM4240ACAJ	NSC	46-50	MM5213J#1	NSC	36-25	MM5243J#1	NSC	37-12
MM74C195N	NSC	50-75	MM3501D	NSC	61-5	MM4240OAJ	NSC	46-51	MM5213J#2	NSC	38-17	MM5243J#2	NSC	38-94
MM74C374J	NSC	55-18	MM3501N	NSC	63-81	MM4240J	NSC	46-33	MM5213N#1	NSC	36-26	MM5244J	NSC	40-51
MM74C374N	NSC	55-19	MM4001AH	NSC	33-41	MM4241D	NSC	46-33	MM5213N#2	NSC	38-18	MM5246J	NSC	43-96
MM74C922N	NSC	49-62	MM4006AD	NSC	33-42	MM4241J	NSC	46-22	MM5215	NSC	35-99	MM5246N	NSC	43-97
MM74C923N	NSC	49-64	MM4007AA	NSC	33-43	MM4242N	NSC	46-23	MM5215AD	NSC	42-90	MM5247J	NSC	44-44
MM400H	NSC	58-68	MM4007AAH	NSC	59-84	MM4242J	NSC	41-99	MM5215AN	NSC	42-91	MM5247N	NSC	44-45
MM401H	NSC	58-69	MM4007D	NSC	60-101	MM4243J#1	NSC	37-11	MM5216	MMI	35-100	MM5260D	NSC	22-48
MM402H	NSC	59-23	MM4007H	NSC	60-102	MM4243J#2	NSC	37-11	MM5220	MMI	33-22	MM5260N	NSC	22-49
MM403H	NSC	59-24	MM4007H	NSC	60-103	MM4244J	NSC	38-93	MM5220APJ	NSC	49-3	MM5261D	NSC	22-50
MM404H	NSC	58-38	MM4007XXD	NSC	60-30	MM4244J	NSC	40-52	MM5220APN	NSC	49-4	MM5261N	NSC	22-51
MM405H	NSC	58-39	MM4007XXH	NSC	60-31	MM4246J	NSC	43-101	MM5220BLJ	NSC	49-74	MM5262D	NSC	26-110
MM406H	NSC	60-85	MM4010AH	NSC	60-104	MM4250D	NSC	44-46	MM5220BLN	NSC	49-75	MM5262N	NSC	27-10
MM407H	NSC	60-86	MM4012D	NSC	60-75	MM4260	NSC	17-100	MM5220BMJ	NSC	65-58	MM5269D	NSC	20-74
MM408	NSC	56-80	MM4012N	NSC	60-76	MM4261D	NSC	22-47	MM5220BMN	NSC	65-59	MM5269N	NSC	20-75
MM409	NSC	55-91	MM4013D	NSC	60-78	MM4262D	NSC	22-52	MM5220BNJ	NSC	65-2	MM5270AD	NSC	27-100
MM410	NSC	59-89	MM4013H	NSC	59-85	MM4261N	NSC	22-53	MM5220BNN	NSC	65-3	MM5270AJ	NSC	27-101
MM421	NSC	34-58	MM4015AD	NSC	62-16	MM4262D	NSC	27-3	MM5220D#1	NSC	33-31	MM5270AN	NSC	27-102
MM422#1	NSC	33-39	MM4016D	NSC	63-67	MM4606AD	NSC	62-17	MM5220D#2	NSC	34-45	MM5270D5	NSC	28-98
MM422#2	NSC	34-59	MM4016H	NSC	59-107	MM4606AF	NSC	63-66	MM5220EKJ#1	NSC	49-9	MM5270D	NSC	28-27
MM422BN	NSC	33-50	MM4017D	NSC	62-93	MM4606AF	NSC	63-67	MM5220EKJ#2	NSC	48-6	MM5271AD	NSC	27-84
MM423#1	NSC	36-33	MM4017H	NSC	62-94	MM4614AD	NSC	59-107	MM5220EKN#1	NSC	49-10	MM5271AJ	NSC	27-85
MM423#2	NSC	38-24	MM4018H	NSC	63-12	MM4614AF	NSC	55-108	MM5220EKN#2	NSC	48-7	MM5271AN	NSC	27-86
MM423B0#1	NSC	49-36	MM4019D	NSC	62-94	MM4621AD	NSC	55-109	MM5220EKN#2	NSC	48-7	MM5271D	NSC	28-67
MM423B0#2	NSC	49-45	MM4019H	NSC	63-12	MM4621AF	NSC	55-110	MM5220EKN#2	NSC	48-7	MM5280AD	NSC	27-103
MM500H	NSC	58-70	MM4019XXD	NSC	59-103	MM4635AD	NSC	50-58	MM5220J#1	NSC	33-32	MM5280AJ	NSC	27-104
MM501H	NSC	58-71	MM4019XXH	NSC	63-13	MM4635AF	NSC	50-59	MM5220J#2	NSC	34-46	MM5280AN	NSC	27-105
MM502H	NSC	59-25	MM4020D	NSC	62-18	MM5001AH	NSC	59-86	MM5220LJ#1	NSC	49-6	MM5280D5	NSC	28-99
MM503H	NSC	59-26	MM4020N	NSC	62-19	MM5006AD	NSC	60-105	MM5220LJ#2	NSC	48-48	MM5280D	NSC	28-28
MM504H	NSC	58-39	MM4021D	NSC	62-2	MM5006AH	NSC	60-106	MM5220LRN#1	NSC	49-7	MM5280D-055	NSC	28-100
MM505H	NSC	58-81	MM4021H	NSC	62-4	MM5007AAD	NSC	60-32	MM5220LRN#2	NSC	48-49	MM5280J-055	NSC	28-101
MM506H	NSC	60-87	MM4021N	NSC	60-55	MM5007AAH	NSC	60-33	MM5220N#1	NSC	33-33	MM5280N-055	NSC	28-102
MM507H	NSC	60-88	MM4025D	NSC	60-56	MM5007D	NSC	60-107	MM5220N#2	NSC	34-47	MM5281D	NSC	28-68
MM508	NSC	56-81	MM4026D	NSC	60-41	MM5007H	NSC	60-108	MM5220NPJ	NSC	45-86	MM5290N-055	NSC	31-84
MM509	NSC	55-92	MM4027F	NSC	60-42	MM5007XXD	NSC	60-77	MM5220NPJ	NSC	45-87	MM5500#1	MMI	14-80
MM510	NSC	59-90	MM4040H	NSC	60-43	MM5007XXH	NSC	60-78	MM5221J#1	NSC	33-23	MM5500#2	MMI	14-81
MM511	NSC	34-60	MM4050D	NSC	64-31	MM5010AH	NSC	59-87	MM5221J#2	NSC	33-36	MM5501#1	MMI	14-57
MM522#1	NSC	33-40	MM4050AD	NSC	64-32	MM5011A	NSC	59-88	MM5221N#1	NSC	34-55	MM5501#2	MMI	14-58
MM522#2	NSC	34-61	MM4050AH	NSC	64-41	MM5012N	NSC	62-20	MM5221N#2	NSC	33-37	MM5606AN	NSC	54-72
MM522BN	NSC	33-51	MM4051	NSC	58-43	MM5013D	NSC	62-21	MM5221N#2	NSC	34-56	MM5614AN	NSC	56-1
MM523#1	NSC	36-34	MM4051AH	NSC	58-82	MM5013H	NSC	63-68	MM5221RQN#1	NSC	48-56	MM5621AN	NSC	56-2
MM523#2	NSC	38-25	MM4052H	NSC	58-93	MM5013N	NSC	63-69	MM5221RQN#2	NSC	49-76	MM5635AN	NSC	50-60
MM523B0#1	NSC	49-37	MM4053H	NSC	58-94	MM5013H	NSC	63-70	MM5221RQN#2	NSC	49-76	MM5740N	NSC	49-67
MM523B0#2	NSC	49-46	MM4104H	NSC	58-95	MM5015AD	NSC	59-109	MM5221RRJ	NSC	48-8	MM5745N	NSC	49-65
MM1101A1D	NSC	17-106	MM4105H	NSC	58-96	MM5015D	NSC	62-95	MM5221RRN	NSC	48-9	MM5746N	NSC	49-66
MM1101A1N	NSC	17-107	MM4203D#1	NSC	60-35	MM5016H	NSC	62-96	MM5222AD#1	NSC	36-37	MM6215	MMI	35-101
MM1101A2D	NSC	17-98	MM4203D#2	NSC	61-11	MM5016H	NSC	62-97	MM5222AD#2	NSC	38-28	MM6216	MMI	35-102
MM1101A2N	NSC	17-99	MM4203Q#1	NSC	62-71	MM5017D	NSC	63-14	MM5222AD#3	NSC	40-72	MM6220	MMI	33-24
MM1101AD	NSC	18-8	MM4203Q#2	NSC	60-4	MM5017H	NSC	63-15	MM5224D#4	NSC	42-103	MM6500#1	MMI	14-82
MM1101AN	NSC	18-9	MM4204D	NSC	36-109	MM5017N	NSC	59-110	MM5225D#1	NSC	36-38	MM6500#2	MMI	14-83
MM1101D</														

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

MEMORY

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
MP301B#1	*PLSB	46-21	N7496B	*SIC	54-48	P2101A2	*ITL	20-16	RAM125-48A#4	*EMM	25-68	RL80K	*RTN	13-42
MP301B#2	*PLSB	46-19	N82061	*SIC	16-51	P2101A4	*ITL	20-35				RL81D	*RTN	13-43
MP1101	*PLSB	18-12	N82071	*SIC	16-52	P2102-8	*ITL	25-21	RAM125-49A	*EMM	21-54	RL81K	*RTN	13-44
MP1402	*PLSB	63-37	N8222B	*SIC	47-11	P2105	*ITL	21-91	RAM125-50A	*EMM	21-60	RL82D	*RTN	13-45
MP1403	*PLSB	63-37	N8222E	*SIC	32-104	P2105-1	*ITL	21-84	RAM125-52D	*EMM	21-64	RL82K	*RTN	13-46
MP1404	*PLSB	63-98	N8222E	*SIC	48-1	P2105-2	*ITL	21-87	RAM125-56D	*EMM	21-71	RL83D	*RTN	13-47
MP1405	*PLSB	62-99	N8222A	*SIC	48-2	P2107A1	*ITL	28-109	RAM218A#1	*EMM	16-6	RL83K	*RTN	13-48
MP1406	*PLSB	60-89	N8222E	*SIC	14-61	P2107A4	*ITL	29-53	RAM218A#2	*EMM	23-29	RM53L	*AMI	21-30
MP1407	*PLSB	60-90	N8222E	*SIC	14-62	P2107A5	*ITL	29-60	RAM218A#3	*EMM	21-35	RM256#1	*ECV	32-23
MP1506	*PLSB	60-91	N8222E	*SIC	35-14	P2107A8	*ITL	29-61	RAM218A#4	*EMM	18-47	RM256#2	*ECV	33-65
MP1507	*PLSB	60-92	N8222E	*SIC	35-15	P2107A	*ITL	29-22	RAM228A#1	*EMM	20-98	RM256#3	*ECV	33-18
MP3409B	*PLSB	60-61	N82270J	*SIC	51-70	P2107B4	*ITL	28-103	RAM228A#2	*EMM	27-9	RM256#4	*ECV	33-8
MP3417B	*PLSB	60-8	N8271E	*SIC	51-71	P2107B6	*ITL	29-54	RAM228A#3	*EMM	25-60	RM256#5	*ECV	33-3
MP3802	*PLSB	49-68	N8271F	*SIC	51-72	P2107B	*ITL	28-32	RAM228A#4	*EMM	21-38	RM1701G	*WDC	29-23
MP4260D	*PLSB	22-84	N8273E	*SIC	58-11	P2108-2	*ITL	31-40	RAM229A	*EMM	21-14	RM1701H	*WDC	29-24
MP4260N	*PLSB	22-85	N8273F	*SIC	58-12	P2108-4	*ITL	31-43	RAM232D	*EMM	21-20	RM4096J3	*WDC	28-33
MP5260D	*PLSB	22-82	N8274E	*SIC	58-7	P2111A2	*ITL	20-17	RAM236D	*EMM	21-26	RM4096J6	*WDC	28-72
MP5260N	*PLSB	22-83	N8274F	*SIC	58-8	P2111A4	*ITL	20-36	RAM248A#1	*EMM	21-48	RM4096J11	*WDC	29-55
MP11011	*PLSB	17-110	N8277E	*SIC	57-103	P2112A2	*ITL	20-18	RAM248A#2	*EMM	30-10	RM4096J16	*WDC	29-25
MRM1A64-80	*MMT	33-17	N74164Q	*SIC	55-47	P2112A4	*ITL	20-37	RAM248A#3	*EMM	27-20	RM5330L	*RTN	16-109
MRM1B128-80	*MMT	33-59	N74165R	*SIC	55-40	P2115	*ITL	24-62	RAM248A#4	*EMM	25-70	RM5330M	*RTN	16-110
MRM1C256-80	*MMT	37-50	N74166R	*SIC	55-48	P2115-2	*ITL	24-42	RAM249A	*EMM	21-56	RM5340L	*RTN	17-1
MRM2A128-40	*MMT	33-58	N74194R	*SIC	52-17	P2115A	*ITL	24-18	RAM250A	*EMM	21-62	RM5340M	*RTN	17-2
MRM2B256-40	*MMT	37-49	N74195R	*SIC	52-87	P2115A-2	*ITL	24-43	RAM252D	*EMM	21-66	RM5500L	*RTN	23-4
MRM2C512-40	*MMT	40-60	N74195W	*SIC	52-88	P2115AL	*ITL	24-19	RAM256D	*EMM	21-73	RM5500M	*RTN	23-5
MRM3A256-20	*MMT	37-48	N74199P	*SIC	55-49	P2115AL-2	*ITL	24-44	RAM288B#1	*EMM	26-91	RO3-2516	*EMM	45-35
MRM3B512-20	*MMT	40-59	N74199Y	*SIC	55-50	P2115L	*ITL	24-63	RAM288B#2	*EMM	31-45	RO3-8316	*EMM	43-90
MRM3C1024-20	*MMT	42-96	NC17111	*NIT	20-93	P2117-2	*ITL	31-96	RAM288B#3	*EMM	31-19	RO7-2048S#1	*GIC	37-13
MRM4A512-10	*MMT	40-57	NC6580AL#1	*NIT	41-77	P2117-3	*ITL	31-99	RAM288B#4	*EMM	27-25	RO7-2048S#2	*GIC	38-95
MRM4B1024-10	*MMT	42-75	NC6580AL#2	*NIT	43-10	P2117-4	*ITL	31-101	RAM289B	*EMM	26-20	RR5100#1	*RTN	14-84
MRM4C2048-10	*MMT	44-27	NC6580AP#1	*NIT	41-78	P2117-5	*ITL	31-104	RAM328A#1	*EMM	20-99	RR5100#2	*RTN	14-85
MSL8515A	*OKIJ	33-1	NC6580AP#2	*NIT	43-11	P2125	*ITL	24-64	RAM328A#2	*EMM	27-10	RR5100D	*RTN	14-86
MSM8516A	*OKIJ	33-2	NC6580AL#1	*NIT	41-81	P2125-2	*ITL	24-45	RAM328A#3	*EMM	25-61	RR5100K	*RTN	14-87
MSM540	*OKIJ	59-32	NC6580P#1	*NIT	41-82	P2125A	*ITL	24-20	RAM328A#4	*EMM	21-39	RR5101#1	*RTN	14-88
MSM541	*OKIJ	59-79	NC6580P#2	*NIT	43-12	P2125A-2	*ITL	24-46	RAM329A	*EMM	21-15	RR5101#2	*RTN	14-89
MSM542	*OKIJ	55-90	NC6581L#1	*NIT	48-98	P2125AL	*ITL	24-21	RAM332D	*EMM	21-21	RR5102#1	*RTN	14-90
MSM543	*OKIJ	54-23	NC6581L#2	*NIT	48-38	P2125AL-2	*ITL	24-47	RAM336D	*EMM	21-27	RR5102#2	*RTN	14-91
MSM544	*OKIJ	59-5	NC6581L#3	*NIT	49-31	P2125L	*ITL	24-65	RAM348A#1	*EMM	21-49	RR5102D	*RTN	14-92
MSM573A	*OKIJ	19-38	NC6581L#4	*NIT	48-51	P2147	*ITL	31-7	RAM348A#2	*EMM	30-11	RR5102K	*RTN	14-93
MMSM2750-1A	*OKIJ	37-8	NC6581L#5	*NIT	48-57	P2147-3	*ITL	31-3	RAM348A#3	*EMM	27-21	RR5103#1	*RTN	14-94
MMSM2750-2A	*OKIJ	37-9	NC6581P#1	*NIT	48-99	P2147L	*ITL	31-8	RAM348A#4	*EMM	25-71	RR5103#2	*RTN	14-95
MMSM3743A	*OKIJ	29-70	NC6581P#2	*NIT	48-39	P2308	*ITL	41-96	RAM349A	*EMM	21-57	RR5300L-PR	*RTN	17-44
MMSM4015	*OKIJ	54-6	NC6581P#3	*NIT	49-32	P2316A	*ITL	43-88	RAM350A	*EMM	21-63	RR5300MM-PR	*RTN	17-45
MMSM4034	*OKIJ	55-29	NC6581P#4	*NIT	48-52	P2316E	*ITL	43-98	RAM352D	*EMM	21-67	RR5302MM-PR	*RTN	17-46
MMSM4061	*OKIJ	17-84	NC6581P#5	*NIT	48-58	P2332	*ITL	44-65	RAM356D	*EMM	21-74	RR5302MP-PR	*RTN	17-47
MMSM4061A	*OKIJ	17-85	NC6581P#6	*NIT	48-10	P2364	*ITL	44-74	RAM388B#1	*EMM	26-92	RR5330-PR	*RTN	16-15
MTS1001	*MTY	60-93	NC6570AL	*NIT	46-40	P2405	*ITL	63-58	RAM388B#2	*EMM	31-46	RR5332-PR	*RTN	16-16
MTS1002	*MTY	58-78	NC6570AP	*NIT	46-41	P2416	*ITL	65-10	RAM388B#3	*EMM	31-20	RR5340-PR	*RTN	16-17
MTS1008	*MTY	33-7	NC6570P	*NIT	46-42	P2608	*ITL	41-54	RAM388B#4	*EMM	27-26	RR5342-PR	*RTN	16-18
MTS1016	*MTY	60-21	NC6571AL	*NIT	45-93	P3102	*ITL	16-92	RAM389B	*EMM	26-101	RR5500L-PR	*RTN	23-12
MTS1100	*MTY	59-31	NC6571AP	*NIT	45-94	P3102A	*ITL	16-61	RC54LS170F	none	13-40	RR5500MM-PR	*RTN	23-13
MTS1102	*MTY	61-7	NC6571P	*NIT	45-95	P3106	*ITL	16-93	RC54LS170W	none	13-8	RR5502MM-PR	*RTN	23-14
MTS2013	*MTY	60-109	NC6572P	*NIT	45-96	P3106-8	*ITL	16-94	RC54LS174B	none	50-1	RR6100	*RTN	14-96
MTS2100	*MTY	62-102	NC6573P	*NIT	45-97	P3106A	*ITL	16-73	RC54LS174F	none	50-2	RS2-32	*ITT	58-99
MTS2103	*MTY	58-92	NC6574P	*NIT	45-98	P3107	*ITL	16-95	RC54LS174W	none	50-3	RS03G	*AMI	59-13
MTS2105	*MTY	59-101	NC6575P	*NIT	45-99	P3107-8	*ITL	16-96	RC54LS175B	none	50-4	RS53G	*AMI	59-14
MTS2107	*MTY	61-46	NC6576P	*NIT	45-100	P3107A	*ITL	16-74	RC54LS175F	none	50-5	S54LS194J	none	53-47
MTS2108	*MTY	61-48	NC6580P	*NIT	48-28	P3302-6	*ITL	37-73	RC54LS175W	none	50-6	S54LS194W	none	53-48
MTS3100	*MTY	63-78	NC6581P	*NIT	45-39	P3322-6	*ITL	37-74	RC54LS194J	none	53-45	S54LS195J	none	52-91
MW4050D	*RCA	29-20	NC6583P	*NIT	45-40	P5101	*ITL	19-8	RC54LS194W	none	53-46	S54LS195W	none	52-92
MW4050DV1	*RCA	28-70	NC6590AL	*NIT	43-75	P5101-1	*ITL	18-99	RC54LS195J	none	52-89	S82S23B	none	32-105
MW4050DV2	*RCA	28-30	NC6590AP	*NIT	43-76	P5101-3	*ITL	19-9	RC54LS195W	none	52-90	S82S23W	none	32-106
MW4051D	*RCA	27-59	NC6590P	*NIT	43-83	P5101-8	*ITL	19-19	RC54LS670F	none	13-9	S82S24B	none	32-57
MW4051DV1	*RCA	27-57	NC6591L#1	*NIT	48-100	P5101L3	*ITL	19-10	RC54LS670W	none	13-10	S82S24F	none	32-58
MW4051DV2	*RCA	27-56	NC6591L#2	*NIT	48-40	P550#1	*GESY	27-22	RC54S172F	none	13-66	S82S24W	none	32-59
MW4060D	*RCA	29-21	NC6591L#3	*NIT	49-33	P550#2	*GESY	30-12	RC54S172N	none	13-65	S82S100F	none	65-28
MW4060DV1	*RCA	28-71	NC6591L#4	*NIT	48-53	QR0256-1	*QDC	32-55	RC54S194J	none	50-7	S82S101F	none	65-29
MW4060DV2	*RCA	28-31	NC6591L#5	*NIT	48-59	QR0256-9	*QDC	32-56	RC54S194W	none	50-8	S82S102F	none	65-18
MW4101D	*RCA	18-39	NC6591L#6	*NIT	48-11	QR01024-1	*QDC	34-30	RC54S195J	none	50-9	S82S103F	none	65-19
MW4101DV1	*RCA	18-36	NC6591P#1	*NIT	48-101	QR01024-9	*QDC	34-31	RC82S106I	none	33-4	S82S104F	none	65-38
MW4101DV2	*RCA	18-33	NC6591P#2	*NIT	48-41	RO1492C	*WDC	43-13	RC3271B	none	50-10	S82S105F	none	65-39
MW4104D	*RCA	27-61	NC6591P#3	*NIT	49-34	RA6-4803D	*GIC	15-18	RC5330M	*RTN	16-105	S82S106F	none	65-42
MW4104DV1	*RCA	27-60	NC6591P#4	*NIT	48-54	RA6-4803F	*GIC	15-19	RC5330MP	*RTN	16-106	S82S107F	none	65-43
MW4104DV2	*RCA	27-58	NC6591P#5	*NIT	48-60	RAM18A#1	*EMM	16-5	RC5340M	*RTN	16-107	S82S1		

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
S2114L1PC	AMI	26-73	S8564#1	AMI	40-62	SL7-2128	GIC	61-40	SN10145JE	TI	14-10	SYM1403A	SVK	63-7
S2114L2CC	AMI	26-78	S8564#2	AMI	45-48	SL7-4025	GIC	58-74	SN10147J	TI	15-107	SYM1404A	SVK	63-61
S2114L2PC	AMI	26-79	S8564A	AMI	45-49	SL7-4032	GIC	59-4	SN10148J	TI	15-37	SYM2803A	SVK	63-41
S2114L3CC	AMI	26-84	S8614#1	AMI	37-25	SL9-1512-21#1	TI	62-106	SN54165N	TI	56-62	SYM2804A	SVK	63-102
S2114L3PC	AMI	26-85	S8614#2	AMI	39-1		GIC			TI		SYM2833	SVK	64-15
S2146	AMI	22-28	S8614#3	AMI	45-45	SL9-1512-21#2	GIC	62-107	SN54166N	TI	56-68	SY21H02	SVK	25-39
S2147	AMI	31-9	S8771#1	AMI	65-51		GIC			TI		SY21H02-2	SVK	25-41
S2147-3	AMI	31-4	S8771#2	AMI	65-54	SL9-2256-21#1	GIC	62-30	SN54174N	TI	54-105	SY21H02	SVK	25-17
S2182	AMI	60-64	S8771A	AMI	65-52		GIC			TI	52-20	SY21L02-1	SVK	24-98
S2182A	AMI	60-67	S8771B	AMI	65-4	SL9-2256-21#2	GIC	62-31	SN54178N	TI	52-21	SY21L02A	SVK	24-75
S2183	AMI	60-71	S8771D	AMI	45-36		GIC			TI		SY21L02B	SVK	24-77
S2183A	AMI	60-72	S8772#1	AMI	65-50	SL9-4128-71#1	GIC	61-59	SN54179N	TI	52-22	SY21103A-1	SVK	21-103
S2184	AMI	61-66	S8772#2	AMI	65-53		GIC			TI		SY21103A-X	SVK	22-89
S2184A	AMI	61-67	S8773#1	AMI	37-26	SL9-4128-71#2	GIC	61-60	SN54186N	TI	33-9	SY21402A	SVK	62-42
S2185	AMI	61-74	S8773#2	AMI	39-2		GIC			TI		SY21403A	SVK	63-8
S2185A	AMI	61-75	S8773#3	AMI	65-48	SMA1001	TI	21-9	SN54198N	TI	55-58	SY21404A	SVK	63-62
S2222	AMI	21-31	S8773A	AMI	65-49		TI			TI		SY21202-1	SVK	25-53
S2222A-1U	AMI	21-32	S8773B	AMI	45-52	SMA2001	TI	27-17	SN54199N	TI	55-59	SY21202-6	SVK	25-55
S2222A-2H	AMI	21-33	S8829#1	AMI	65-5		TI			TI		SY21202A-2	SVK	25-49
S2566	AMI	65-45	S8829#2	AMI	65-6	SMA2002	TI	25-63	SN54278N	TI	50-35	SY21202A-4	SVK	25-51
S3102	AMI	25-14	S8865	AMI	43-8		TI			TI	56-63	SY22401	SVK	64-28
S3102A	AMI	24-81	S8866	AMI	45-46	SMC7495N	SELI	50-14	SN74165W	TI		SY22401-1	SVK	64-30
S3102B	AMI	24-107	S8996#1	AMI	44-47	SN54L95N	TI	50-61	SN74166W	TI	56-69	SY22530	SVK	39-52
S3103	AMI	22-19	S8996#2	AMI	44-48		TI			TI		SY22534	SVK	63-46
S3514-1W	AMI	39-70	S9021	AMI	49-56	SN54L99N	TI	50-62	SN74174W	TI	54-106	SY22534A	SVK	63-49
S3514-2L	AMI	39-71	S9660	AMI	65-44		TI			TI	52-23	SY22535	SVK	62-76
S4006	AMI	25-43	S9996#1	AMI	43-102	SN54LS95AN	TI	52-27	SN74178W	TI	52-24	SY22535A	SVK	62-79
S4006C	AMI	22-57	S9996#2	AMI	43-103	SN54LS174N	TI	54-108		TI		SY22802A	SVK	62-62
S4006LC	AMI	22-58	S40152-2H	AMI	24-48	SN54LS175N	TI	52-95	SN74179W	TI	52-25	SY22803A	SVK	63-42
S4006R	AMI	25-44	S40252-2H	AMI	24-49	SN54LS194J	TI	52-28		TI		SY22804A	SVK	63-103
S4008	AMI	22-61	S51011-1C	AMI	18-105	SN54LS194N	TI	52-29	SN74185AW	TI	49-25	SY22825A	SVK	64-39
S4008-9	AMI	22-66	S51011-2C	AMI	18-106	SN54LS194W	TI	52-30		TI		SY22826	SVK	64-40
S4008C	AMI	22-62	S51012-1C	AMI	18-107	SN54LS195J	TI	52-31	SN74188J	TI	32-72	SY22827	SVK	64-45
S4008LC	AMI	22-63	S51012-2C	AMI	18-108	SN54LS195N	TI	52-32		TI		SY22833	SVK	64-16
S4008R	AMI	22-64	S51013-1C	AMI	19-16	SN54LS195W	TI	52-33	SN74188N	TI	32-73	SY22833A	SVK	64-19
S4015-2	AMI	24-29	S51013-2C	AMI	19-17	SN54LS295J	TI	52-34		TI		SY22833B	SVK	64-22
S4015-2E	AMI	24-66	S51018-1C	AMI	19-20	SN54LS295N	TI	52-35	SN74198W	TI	55-60	SY22833C	SVK	64-25
S4015-3	AMI	24-22	S51018-2C	AMI	19-21	SN54LS295W	TI	52-36		TI		SY23514	SVK	39-57
S4015-4	AMI	24-23	S54164Q	SIC	55-51	SN54S200J	TI	16-39	SN74199W	TI	55-61	SY23515	SVK	39-54
S4016/2114	AMI	25-64	S54165E	SIC	55-43		TI			TI		SY24050	SVK	29-28
S4017	AMI	31-10	S54165R	SIC	55-44	SN54S200N	TI	16-40	SN74200D	NSC	17-3	SY24050-1	SVK	28-74
S4017-1	AMI	27-54	S54166E	SIC	55-52		TI			TI	17-4	SY24050-2	SVK	28-35
S4017-2	AMI	27-53	S54166R	SIC	55-53	SN54S200W	TI	16-41	SN74200J	TI	17-3	SY25101-8	SVK	19-28
S4017-3	AMI	27-51	S54194E	SIC	52-18		TI			TI		SY25101L	SVK	19-25
S4017-4	AMI	27-52	S54194R	SIC	52-19	SN54S206J	TI	16-45		TI		SY25101L-1	SVK	19-23
S4025-2	AMI	24-30	S54195E	SIC	52-93		TI			TI		SY25101L-3	SVK	19-26
S4025-2E	AMI	24-67	S54195R	SIC	52-94	SN54S206N	TI	16-46	SN74278W	TI	50-36	SY25102-3	SVK	23-93
S4025-3	AMI	24-24	S54198P	SIC	55-54		TI			INS	62-13	SY25102-3	SVK	23-94
S4025-4	AMI	24-25	S54198Y	SIC	55-55	SN54S206W	TI	16-47	SO1	GIC	58-40	SY25102-3	SVK	23-94
S4028-2	AMI	27-42	S54199P	SIC	55-56		TI			GIC	58-41	SY25233	SVK	64-6
S4028-3	AMI	27-43	S54199Y	SIC	55-57	SN74L91T	TI	57-50	SS6-8211	GIC	58-31	SY25234	SVK	63-47
S4216B	AMI	43-91	SAB2102	SIEG	25-15		TI			GIC	58-42	SY25234A	SVK	63-50
S4264	AMI	44-75	SAB2102-1	SIEG	24-96	SN74L95T	TI	50-63	SS7-8211	GIC	57-81	SY25235	SVK	62-77
S4532	AMI	44-29	SAB2716	none	44-20		TI			SWM	53-78	SY25235A	SVK	62-80
S4716	AMI	44-24	SAB2808	SIEG	42-51	SN74LS194J	TI	52-37	SW5494J	SWM	51-96	SY25235A	SVK	64-17
S5101-1C	AMI	19-11	SAB8316	SIEG	43-92	SN74LS194N	TI	52-38	SW5495J	SWM	54-51	SY25235A	SVK	64-20
S5101-2C	AMI	19-12	SAB8332	SIEG	44-57	SN74LS194W	TI	52-39	SW5496J	SWM	54-52	SY25233A	SVK	64-23
S5101L1-1C	AMI	18-100	SCL5132H	S5S	59-72	SN74LS195J	TI	52-40	SW7491AJ	SWM	57-82	SY25233B	SVK	64-20
S5101L1-2C	AMI	18-101	SCL5132T	S5S	59-73	SN74LS195N	TI	52-41	SW7491AN	SWM	57-83	SY25233C	SVK	64-26
S5101L2-1C	AMI	18-102	SCL5136D	S5S	59-74	SN74LS195W	TI	52-42	SW7494J	SWM	53-79	T54589J	TEC	14-25
S5101L2-2C	AMI	18-103	SCL5136F	S5S	59-75	SN74LS195N	TI	52-43	SW7494AN	SWM	53-80	T545174F	TEC	55-9
S5101L3-1C	AMI	19-13	SCL5136H	S5S	59-76	SN74LS195W	TI	52-44	SW7495J	SWM	51-97	T545174J	TEC	55-10
S5101L3-2C	AMI	19-14	SCL5136T	S5S	59-77	SN74LS295J	TI	52-45	SW7495N	SWM	51-98	T545175F	TEC	53-57
S5101L-1C	AMI	19-15	SCL5151F	S5S	59-77	SN74LS295N	TI	52-46	SW7496J	SWM	54-52	T545175J	TEC	53-58
S5101L-2C	AMI	18-104	SCL5151FB	S5S	61-58	SN74LS295W	TI	52-45	SW7496N	SWM	54-53	T545194F	TEC	53-49
S5103	AMI	21-95	SCL5171D	S5S	61-25	SN74S200N	TI	16-43	SW54166J	SWM	55-62	T545194J	TEC	53-50
S5232-1W#1	AMI	39-72	SCL5171F	S5S	61-26		TI			SWM	55-63	T545195F	TEC	53-51
S5232-1W#2	AMI	40-85	SCL5171H	S5S	61-27	SN74S200W	TI	16-44	SW54199N	SWM	55-64	T545195J	TEC	53-52
S5232-2L#1	AMI	39-73	SCL5171T	S5S	61-28		TI			SWM	56-70	T74589J	TEC	14-26
S5232-2L#2	AMI	40-86	SCL5172D	S5S	61-53	SN74S206J	TI	16-48	SW74166N	SWM	56-71	T745174F	TEC	55-11
S5465B	none	55-42	SCL5172F	S5S	61-54		TI			SWM	55-65	T745174J	TEC	55-12
S5491Q	SIC	57-75	SCL5172H	S5S	61-55	SN74S206N	TI	16-49	SW74198N	SWM	55-66	T745175F	TEC	53-59
S5494E	SIC	51-28	SCL5172T	S5S	61-56		TI			SWM	55-67	T745175J	TEC	53-60
S5494R	SIC	51-29	SCL5408D	S5S	55-21	SN74S206W	TI	16-50	SY21H01-1	SVK	20-82	T745194F	TEC	53-53
S5496E	SIC	54-49	SCL5408F	S5S	55-22		TI			SVK	20-83	T745194J	TEC	53-54
S5496R	SIC	54-50	SCL5408H	S5S	55-23	SN5481AN	TI	13-94	SY21H11-1	SVK	20-84	T745195F	TEC	53-55
S6605	AMI	28-50	SCL5533D	S5S	65-8		TI			SVK	21-101	T745195J	TEC	53-56
S6605A	AMI	29-26	SCL5533H	S5S	65-9	SN5484AN	TI	13-95	SY21H12-1	SVK	20-84	T745200J	TEC	16-102
S6605B	AMI	29-62	SCL5553	S5S	17-82		TI			SVK	25-40	T9300F	TEC	52-96
S6606	AMI	28-1	SCL5553D	S5S	17-56	SN54								

1. TYPE No. CROSS INDEX

MEMORY

TYPE No.				TYPE No.				TYPE No.				TYPE No.					
TYPE No.	MFRS	Pg&Line		TYPE No.	MFRS	Pg&Line		TYPE No.	MFRS	Pg&Line		TYPE No.	MFRS	Pg&Line			
TMS21L47-7L	none	27- 55		TMS2600JC #2	TIH	38- 31		TMS3130LC	TIH	81- 72		TMS4033/2102-1NL	TIH	24- 83	TMS4047-45JDL	TIH	26- 42
TMS25L32JDL	TIH	44- 68		TMS2600NC #1	TIH	38- 32		TMS3130NC	TIH	81- 73		TMS4034/2102-2JL	TIH	25- 1	TMS4047-45NL	TIH	26- 43
TMS27L08JDL	TIH	42- 52		TMS2600NC #2	TIH	36- 42		TMS3131LC	TIH	81- 76		TMS4034/2102-2NL	TIH	25- 2	TMS4050-1JDL	TIH	26- 44
TMS40L44-20JDL	TIH	30- 37		TMS2600JC #1	TIH	48- 45		TMS3131NC	TIH	81- 77		TMS4035/2102JL	TIH	25- 18	TMS4050-1JL	TIH	28- 80
TMS40L44-20JL	TIH	30- 38		TMS2602JC #2	TIH	48- 105		TMS3132LC	TIH	81- 85		TMS4035/2102NL	TIH	25- 19	TMS4050-2JL	TIH	28- 81
TMS40L44-25JDL	TIH	30- 49		TMS2602JC #1	TIH	48- 46		TMS3132NC	TIH	81- 86		TMS4036-1JL	TIH	15- 84	TMS4050-2JDL	TIH	28- 82
TMS40L44-25JL	TIH	30- 50		TMS2602NC #2	TIH	48- 106		TMS3133NC	TIH	64- 13		TMS4036-1NL	TIH	15- 85	TMS4050-3JL	TIH	28- 83
TMS40L44-45JDL	TIH	30- 67		TMS2603JC	TIH	48- 78		TMS3133JC	TIH	60- 69		TMS4036-2JL	TIH	15- 82	TMS4050-3JDL	TIH	28- 84
TMS40L44-45JL	TIH	30- 68		TMS2603NC	TIH	48- 79		TMS3135NC	TIH	60- 70		TMS4036-2NL	TIH	15- 83	TMS4050-3NL	TIH	28- 85
TMS40L45-20JDL	TIH	25- 99		TMS2604JC #1	TIH	48- 32		TMS3137NC	TIH	61- 31		TMS4039-1/2101-2JL	TIH	20- 61	TMS4050-1NL	TIH	29- 31
TMS40L45-20JL	TIH	25-100		TMS2604JC #2	TIH	48- 110		TMS3137NC	TIH	61- 32		TMS4039-1/2101-2NL	TIH	20- 62	TMS4050-1NL	TIH	29- 32
TMS40L45-25JDL	TIH	26- 3		TMS2604NC #1	TIH	48- 33		TMS3138JC	TIH	61- 33		TMS4039-2/2101-1JL	TIH	20- 38	TMS4050-1NL	TIH	28- 87
TMS40L45-25JL	TIH	26- 4		TMS2604NC #2	TIH	49- 1		TMS3138NC	TIH	61- 34		TMS4039-2/2101-1NL	TIH	20- 39	TMS4050-1NL	TIH	28- 88
TMS40L45-30JL	TIH	26- 23		TMS2700JC	TIH	37- 38		TMS3139JC	TIH	61- 78		TMS4039-2/2101-1NL	TIH	20- 39	TMS4050-2NL	TIH	28- 43
TMS40L45-30NL	TIH	26- 24		TMS2700JM	TIH	37- 44		TMS3139NC	TIH	61- 79		TMS4039-2/2101-1NL	TIH	20- 39	TMS4050-2NL	TIH	29- 36
TMS40L45-45JDL	TIH	26- 34		TMS2700NC	TIH	37- 39		TMS3140JC	TIH	61- 87		TMS4039-2/2101-1NL	TIH	20- 40	TMS4050-2NL	TIH	29- 37
TMS40L45-45JL	TIH	26- 35		TMS2708-35JDL	TIH	42- 37		TMS3140NC	TIH	61- 88		TMS4039-2/2101-1NL	TIH	20- 41	TMS4050-2NL	TIH	29- 38
TMS40L46-20JDL	TIH	30- 39		TMS2708-45JDL	TIH	42- 53		TMS3141JC	TIH	60- 22		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 39
TMS40L46-20JL	TIH	30- 40		TMS2708-45JL	TIH	42- 54		TMS3141NC	TIH	60- 1		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 40
TMS40L46-20NL	TIH	30- 41		TMS2716C	none	44- 22		TMS3142JC	TIH	60- 1		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 41
TMS40L46-25JDL	TIH	30- 51		TMS2716JDL	TIH	44- 23		TMS3142NC	TIH	60- 1		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 42
TMS40L46-25JL	TIH	30- 52		TMS2800JC	TIH	34- 63		TMS3143JC	TIH	59- 47		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 43
TMS40L46-25NL	TIH	30- 53		TMS2800NC	TIH	34- 64		TMS3143NC	TIH	59- 48		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 44
TMS40L46-45JDL	TIH	30- 69		TMS2900JC #1	TIH	35- 64		TMS3144JC	TIH	59- 48		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 45
TMS40L46-45JL	TIH	30- 70		TMS2900JC #2	TIH	33- 53		TMS3144NC	TIH	59- 49		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 46
TMS40L46-45NL	TIH	30- 71		TMS2900NC #1	TIH	35- 65		TMS3145JC	TIH	59- 49		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 47
TMS40L47-20JDL	TIH	25-101		TMS2900NC #2	TIH	33- 54		TMS3145NC	TIH	59- 49		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 48
TMS40L47-20JL	TIH	25-102		TMS3000LR	TIH	58- 72		TMS3146JC	TIH	62-105		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 49
TMS40L47-20NL	TIH	25-103		TMS3001LR	TIH	58- 79		TMS3146NC	TIH	62- 82		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 50
TMS40L47-25JDL	TIH	26- 5		TMS3002LR	TIH	59- 39		TMS3147JC	TIH	62- 83		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 51
TMS40L47-25JL	TIH	26- 6		TMS3003LR	TIH	61- 8		TMS3147NC	TIH	62- 83		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 52
TMS40L47-25NL	TIH	26- 7		TMS3012JC	TIH	61- 41		TMS3148JC	TIH	62- 83		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 53
TMS40L47-30JL	TIH	26- 25		TMS3012NC	TIH	61- 42		TMS3148NC	TIH	62- 83		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 54
TMS40L47-30NL	TIH	26- 26		TMS3016LR	TIH	58- 33		TMS3149JC	TIH	62- 83		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 55
TMS40L47-45JDL	TIH	26- 36		TMS3026JC	TIH	55- 13		TMS3149NC	TIH	62- 83		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 56
TMS40L47-45JL	TIH	26- 37		TMS3028LC	TIH	61- 43		TMS3150JC	TIH	62- 83		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 57
TMS40L47-45NL	TIH	26- 38		TMS3028LR	TIH	61- 36		TMS3150NC	TIH	62- 83		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 58
TMS1101JC	TIH	18- 21		TMS3064-1JDL	TIH	65- 11		TMS3151JC	TIH	62- 83		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 59
TMS1101NC	TIH	18- 22		TMS3064JDL	TIH	65- 12		TMS3151NC	TIH	62- 83		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 60
TMS1103-1JL	TIH	22- 20		TMS3064JL	TIH	64- 47		TMS3152JC	TIH	62- 83		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 61
TMS1103-1NL	TIH	22- 21		TMS3101LC	TIH	61- 18		TMS3152NC	TIH	62- 83		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 62
TMS1103JL	TIH	22- 45		TMS3101NC	TIH	61- 19		TMS3153JC	TIH	62- 83		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 63
TMS1103NC	TIH	22- 87		TMS3102LC	TIH	60- 38		TMS3153NC	TIH	62- 83		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 64
TMS1103NL	TIH	22- 46		TMS3102NC	TIH	60- 39		TMS3154JC	TIH	62- 83		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 65
TMS2300JC	TIH	37- 21		TMS3103LC	TIH	59-104		TMS3154NC	TIH	62- 83		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 66
TMS2300NC	TIH	37- 22		TMS3103NC	TIH	59-105		TMS3155JC	TIH	62- 83		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 67
TMS2400JC	TIH	46- 30		TMS3112JC	TIH	59- 10		TMS3155NC	TIH	62- 83		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 68
TMS2400NC	TIH	46- 31		TMS3112NC	TIH	59- 11		TMS3156JC	TIH	62- 83		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 69
TMS2403JC	TIH	45- 67		TMS3113JC	TIH	61- 70		TMS3156NC	TIH	62- 83		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 70
TMS2404JC	TIH	46- 54		TMS3113NC	TIH	61- 71		TMS3157JC	TIH	62- 83		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 71
TMS2500JC #1	TIH	39- 8		TMS3120JC	TIH	60- 59		TMS3157NC	TIH	62- 83		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 72
TMS2500JC #2	TIH	37- 36		TMS3120NC	TIH	60- 60		TMS3158JC	TIH	62- 83		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 73
TMS2500NC #1	TIH	39- 9		TMS3121JC	TIH	60- 6		TMS3158NC	TIH	62- 83		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 74
TMS2500NC #2	TIH	37- 37		TMS3121NC	TIH	60- 7		TMS3159JC	TIH	62- 83		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 75
TMS2501JC	TIH	45- 68		TMS3122JC	TIH	59- 6		TMS3159NC	TIH	62- 83		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 76
TMS2501NC	TIH	45- 69		TMS3122NC	TIH	59- 7		TMS3160JC	TIH	62- 83		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 77
TMS2508-25JDL	TIH	42- 33		TMS3123JC	TIH	59- 8		TMS3160NC	TIH	62- 83		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 78
TMS2508-30JDL	TIH	42- 34		TMS3123NC	TIH	59- 9		TMS3161JC	TIH	62- 83		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 79
TMS2516-35JDL	TIH	44- 15		TMS3126LC	TIH	60- 73		TMS3161NC	TIH	62- 83		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 80
TMS2516JDL	TIH	44- 21		TMS3126NC	TIH	60- 74		TMS3162JC	TIH	62- 83		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 81
TMS2532JDL	TIH	44- 69		TMS3127LC	TIH	61- 20		TMS3162NC	TIH	62- 83		TMS4039-2/2101-1NL	TIH	20- 38	TMS4050-2NL	TIH	29- 82
TMS2600JC #1	TIH	36- 41		TMS3127NC	TIH	61- 21	</										

1. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
TSR2513J	TEC	53-86	UA2564F	♦SOD	15-47									
TSR2514F	♦TEC	53-87	UA2596D4#1	SOD	39-80									
TSR2514J	TEC	52-26	UA2596D4#2	SOD	40-92									
uPB226C	♦NECJ	53-37	UA2596D4#3	SOD	43-31									
uPB226D	♦NECJ	53-38	UA2596D4#4	SOD	44-31									
uPB405DE	♦NECM	40-40	UA2596D8#1	SOD	39-81									
uPB406DE	♦NECM	41-33	UA2596D8#2	SOD	40-93									
uPB425DE	♦NECM	40-41	UA2596D8#3	SOD	43-4									
uPB426DE	♦NECM	41-34	UA2596D8#4	SOD	44-32									
uPB2089D	♦NECJ	14-97	UA2656	SOD	17-95									
	♦NECM		UA2684D	♦SOD	15-62									
uPB2289D	♦NECJ	14-48	UA2684F	♦SOD	15-63									
	♦NECM		UA2784D	♦SOD	15-48									
uPD404D	♦NECJ	21-80	UA2784F	♦SOD	15-49									
	♦NECM		UA2864D	♦SOD	15-64									
uPD405D	♦NECJ	25-30	UA2864F	♦SOD	15-65									
	♦NECM		UA3512	♦SOD	18-27									
uPD410D1	♦NECJ	30-90	UA3524	♦SOD	21-108									
	♦NECM		UA3540D4	SOD	45-70									
uPD410D2	♦NECJ	30-82	UA3540D8	♦SOD	45-71									
	♦NECM		UA3556	SOD	17-96									
uPD410D	♦NECJ	30-83	UA3564D	♦SOD	15-50									
	♦NECM		UA3564F	♦SOD	15-51									
uPD411AC1	♦NECJ	29-80	UA3596D4#1	SOD	39-82									
	♦NECM		UA3596D4#2	SOD	40-94									
uPD411AC2	♦NECJ	29-71	UA3596D4#3	SOD	43-5									
	♦NECM		UA3596D4#4	SOD	44-33									
uPD411ACE	♦NECJ	29-109	UA3596D8#1	SOD	39-83									
	♦NECM		UA3596D8#2	SOD	40-95									
uPD411AD1	♦NECJ	29-81	UA3596D8#3	SOD	43-6									
	♦NECM		UA3596D8#4	SOD	44-34									
uPD411AD2	♦NECJ	29-72	UA3656	SOD	17-97									
	♦NECM		UA3664D	♦SOD	15-66									
uPD411AD3	♦NECM	29-64	UA3664F	♦SOD	15-67									
uPD411AD4	♦NECM	29-63	UA3764D	♦SOD	15-52									
uPD411AD	♦NECJ	29-95	UA3764F	♦SOD	15-53									
	♦NECM		UA3864D	♦SOD	15-68									
uPD411ADE	♦NECJ	29-110	UA3864F	♦SOD	15-69									
	♦NECM		UC6316	♦SOD	58-29									
uPD411D1	♦NECJ	29-82	UC6550#1	♦SOD	15-76									
	♦NECM		UC6550#2	♦SOD	15-77									
uPD411D1M	♦NECM	29-83	UC6550D	SOD	15-54									
uPD411D2	♦NECJ	29-73	UC6550F	SOD	15-55									
	♦NECM		UC6596S	♦SOD	41-47									
uPD411D2M	♦NECM	29-74	UC7316	♦SOD	58-30									
uPD411D3	♦NECJ	29-65	UC7325#1	♦SOD	62-12									
	♦NECM		UC7325#2	♦SOD	61-51									
uPD411DE	♦NECJ	30-1	UC7325#3	♦SOD	60-12									
	♦NECM		UC7355	♦SOD	59-20									
uPD411DM	♦NECM	29-96	UC7526	SOD	33-26									
uPD414C1	♦NECJ	29-84	UC7541-03	♦SOD	45-34									
	♦NECM		UC7541-79	♦SOD	46-48									
uPD414C2	♦NECM	29-75	UC7550#1	♦SOD	15-78									
uPD414C	♦NECJ	29-97	UC7550#2	♦SOD	15-79									
	♦NECM		UC7550D	SOD	15-56									
uPD414CE	♦NECM	30-2	UC7550F	SOD	15-57									
uPD414D1	♦NECJ	29-85	UC7596S	♦SOD	41-48									
	♦NECM		UPD2716D	none	44-4									
uPD414D2	♦NECM	29-76	US5491A	SPR	57-85									
uPD414D	♦NECJ	29-98	US5491J	SPR	57-86									
	♦NECM		US5494A	SPR	53-89									
uPD414DE	♦NECM	30-3	US5495A	SPR	51-99									
uPD416C1	♦NECM	31-87	US5495J	SPR	51-100									
uPD416C2	♦NECM	31-72	US5496A	SPR	54-55									
uPD416C3	♦NECM	31-62	US7491A	SPR	57-87									
uPD416D1	♦NECM	31-88	US7491J	SPR	57-88									
uPD416D2	♦NECM	31-73	US7494A	SPR	53-90									
uPD416D3	♦NECM	31-63	US7495A	SPR	51-101									
uPD418C1	♦NECJ	29-86	US7495J	SPR	51-102									
	♦NECM		US7496A	SPR	54-56									
uPD418C2	♦NECJ	29-68	XC170	♦MOTA	32-18									
	♦NECM		XC171	♦MOTA	32-19									
uPD418C3	♦NECJ	29-66												
	♦NECM													
uPD418D1	♦NECJ	29-87												
	♦NECM													
uPD418D2	♦NECJ	29-69												
	♦NECM													
uPD418D3	♦NECJ	29-67												
	♦NECM													
uPD466D001	♦NECM	43-85												
uPD2101ALC2	NECJ	20-89												
	♦NECM													
uPD2101ALC4	NECJ	20-91												
	♦NECM													
uPD2102ALC2	♦NECJ	24-72												
	♦NECM													
uPD2102ALC4	♦NECJ	24-84												
	♦NECM													
uPD2111ALC2	NECJ	20-90												
	♦NECM													
uPD2111ALC4	NECJ	20-92												
	♦NECM													
uPD2115-1	♦NECM	25-36												
uPD2115-2	♦NECM	25-33												
uPD2125-1	♦NECM	25-37												
uPD2125-2	♦NECM	25-34												
uPD2205D	♦NECM	23-20												
uPD2316AC1	♦NECM	43-99												
uPD2316AD1	♦NECM	43-100												
uPD4463D	none	37-106												
uPD5101CE	♦NECJ	19-39												
	♦NECM													
uPD5101E	♦NECM	19-40												
uPD5101LC1	♦NECM	19-37												
uPD41046-35	none	30-77												
UA2512	♦SOD	18-26												
UA2524	♦SOD	21-107												
UA2525F#1	♦SOD	33-52												
UA2525F#2	♦SOD	34-65												
UA2525F#3	♦SOD	37-59												
UA2525F#4	♦SOD	40-67												
UA2556	SOD	17-94												
UA2564D	♦SOD	15-46												

MEMORY

2. READ-WRITE MEMORIES (RAMS)

IN ORDER OF (1)NO.WORDS(2)NO.BITS/WORD
(3)MODE(4)STRUCT.(5)MAX ACC.TIME(6)TYPE No.

LINE No.	TYPE No.	ORGANIZATION		3 M O D E	4 S T R U C T U R E C O D E	5 M A X A C C E S S T I M E (s)	M A X W R I T E C Y C L E T I M E (s)	M A X O P E R A T I O N A L P O W E R D I S S. (V)	RATED POWER SUP.		INPUT LOGIC LEVELS		MIN OUTPUT SINK		M I N C L O C K F R E Q. (Hz)	O P E R. T E M P. R A N G E C O D E	DRAWINGS	
		1 N O. W O R D S	2 B I T S P E R W O R D						N E G. (V)	P O S. (V)	M A X '0' (V)	M I N '1' (V)	C U R R E N T (A)	V O L T A G E (V)			L O G I C/ B L O C K	O U T L I N E
1	MK41180-3							400m										
2	MC1680L	2	2	0	BEX	4.0n	5.5n	270m	5.2	0.0	-1.6%	-96			0	7	A7a	ML60b
3	MC1680S	2	2	0	BEX	4.0n	5.5n	270m	5.2	0.0	-1.6%	-96			0	7	A7	FL2
4	MC1681L	2	2	0	BEX	4.0n	5.5n	300m	5.2	0.0	-1.6%	-96			0	7	A7a	ML5
5	MC1681S	2	2	0	BEX	4.0n	5.5n	300m	5.2	0.0	-1.6%	-96			0	7	A7	FL2
6#	FJB9338	4	2	0	BTX	25n	7.0n	300m	5.0	0.0			16m	40	0	7	A112	ML4e
7	MIC9030-5D	4	2	0	BTX	25n	45n	350m	0.0	4.5	.80	1.25	5.0u	40	0	7	PN14d	ML19c
8#	RC54LS170W	4	4	0	BTX	20n	25n	210m	0.0	5.0	.80	2.0	4.0m	40	5	5	A156	FL25
9#	RC54LS670F	4	4	0	BTX	50n	25n	250m	0.0	5.0	.80	2.0	4.0m	40	5	5	A156	ML127m
10#	RC54LS670W	4	4	0	BTX	50n	25n	250m	0.0	5.0	.80	2.0	4.0m	40	5	5	A156	FL125
11	MC14580AL	4	4	0	MCX	140n	600n	2.4m	0.0	10	.05	9.95	1.0u	40	5	4	A205	ML150a
12	MC14580CL	4	4	0	MCX	210n	900n	56m	0.0	10	.05	9.95	1.5u	40	5	4	A205	ML150a
13	MC14580CP	4	4	0	MCX	210n	900n	56m	0.0	10	.05	9.95	1.5u	40	5	4	A205	ML39
14	54LS170J	4	4	0	BTX	20n	25n	200m	0.0	5.0	.70	2.0	4.0m	40	5	5	A156	ML15
15	54LS170W	4	4	0	BTX	20n	25n	200m	0.0	5.0	.70	2.0	4.0m	40	5	5	A156	FL14h
16	74LS170J	4	4	0	BTX	20n	25n	200m	0.0	5.0	.80	2.0	4.0m	40	0	7	A156	ML12
17	74LS170W	4	4	0	BTX	20n	25n	200m	0.0	5.0	.80	2.0	4.0m	40	0	7	A156	FL14h
18	74LS670J	4	4	0	BTX	20n	25n	250m	0.0	5.0	.80	2.0	4.0m	40	0	7	A157	ML12
19	74LS670W	4	4	0	BTX	20n	25n	250m	0.0	5.0	.80	2.0	4.0m	40	0	7	A157	FL14h
20	DM54LS170J	4	4	0	BTX	20n	25n	200m	0.0	5.0	.70	2.0	4.0m	40	5	5	A156	ML127f
21	DM54LS170N	4	4	0	BTX	20n	25n	200m	0.0	5.0	.70	2.0	4.0m	40	5	5	A156	ML178
22	DM54LS170W	4	4	0	BTX	20n	25n	200m	0.0	5.0	.70	2.0	4.0m	40	5	5	A156	FL39
23	DM54LS670J	4	4	0	BTX	20n	25n	250m	0.0	5.0	.70	2.0	4.0m	40	5	5	A157	ML127f
24	DM54LS670N	4	4	0	BTX	20n	25n	250m	0.0	5.0	.70	2.0	4.0m	40	5	5	A157	ML178
25	DM54LS670W	4	4	0	BTX	20n	25n	250m	0.0	5.0	.70	2.0	4.0m	40	5	5	A157	FL39
26	DM74LS170J	4	4	0	BTX	20n	25n	200m	0.0	5.0	.80	2.0	4.0m	40	0	7	A156	ML127f
27	DM74LS170N	4	4	0	BTX	20n	25n	200m	0.0	5.0	.80	2.0	4.0m	40	0	7	A156	ML178
28	DM74LS170W	4	4	0	BTX	20n	25n	200m	0.0	5.0	.80	2.0	4.0m	40	0	7	A156	FL39
29	DM74LS670J	4	4	0	BTX	20n	25n	250m	0.0	5.0	.80	2.0	4.0m	40	0	7	A157	ML127f
30	DM74LS670N	4	4	0	BTX	20n	25n	250m	0.0	5.0	.80	2.0	4.0m	40	0	7	A157	ML178
31	DM74LS670W	4	4	0	BTX	20n	25n	250m	0.0	5.0	.80	2.0	4.0m	40	0	7	A157	FL39
32	25LS670JC	4	4	0	BTX	45n	25n	250m	0.0	5.0	.80	2.0	4.0m	40	0	7	A157	ML12
33	25LS670JM	4	4	0	BTX	45n	25n	250m	0.0	5.0	.70	2.0	4.0m	40	5	5	A157	ML12
34	25LS670WC	4	4	0	BTX	45n	25n	250m	0.0	5.0	.80	2.0	4.0m	40	0	7	A157	FL14h
35	25LS670WM	4	4	0	BTX	45n	25n	250m	0.0	5.0	.70	2.0	4.0m	40	5	5	A157	FL14h
36	DM74170J	4	4	0	BTX	20n	25n	750m	0.0	5.0	.80	2.0	16m	40	0	7	A141	ML127f
37	DM74170N	4	4	0	BTX	20n	25n	750m	0.0	5.0	.80	2.0	16m	40	0	7	A141	ML178
38#	MB460	4	4	0	BTX	20n	25n	560m	0.0	5.0	.80	2.1	16m	40	0	7	A141	ML15
39#	MB460M	4	4	0	BTX	20n	25n	560m	0.0	5.0	.80	2.1	16m	40	0	7	A141	ML221
40#	RC54LS170F	4	4	0	BTX	20n	25n	210m	0.0	5.0	.80	2.0	4.0m	40	5	5	A156	ML127m
41	RL80D	4	4	0	BTX	20n	25n	300m	0.0	5.0	.80	1.8	40m	40	5	5	A27	ML19b
42	RL80K	4	4	0	BTX	20n	25n	300m	0.0	5.0	.80	1.8	40m	40	5	5	A27	FL11
43	RL81D	4	4	0	BTX	20n	25n	300m	0.0	5.0	.80	1.8	20m	40	5	5	A27	ML19b
44	RL81K	4	4	0	BTX	20n	25n	300m	0.0	5.0	.80	1.8	20m	40	5	5	A27	FL11
45	RL82D	4	4	0	BTX	20n	25n	300m	0.0	5.0	.90	2.0	40m	40	0	7	A27	ML19b
46	RL82K	4	4	0	BTX	20n	25n	300m	0.0	5.0	.90	2.0	40m	40	0	7	A27	FL11
47	RL83D	4	4	0	BTX	20n	25n	300m	0.0	5.0	.90	2.0	20m	40	0	7	A27	ML19b
48	RL83K	4	4	0	BTX	20n	25n	300m	0.0	5.0	.90	2.0	20m	40	0	7	A27	FL11
49	TMC3362F	4	4	0	BTX	20n	25n	300m	0.0	5.0	1.0	2.1	40m	45	0	7	A45	TO86
50	TMC3362J	4	4	0	BTX	20n	25n	300m	0.0	5.0	1.0	2.1	40m	45	0	7	A45	TO116
51	TMC3364F	4	4	0	BTX	20n	25n	300m	0.0	5.0	1.0	2.1	20m	45	0	7	A45	TO86
52	TMC3364J	4	4	0	BTX	20n	25n	300m	0.0	5.0	1.0	2.1	20m	45	0	7	A45	TO116
53	TMC3762F	4	4	0	BTX	20n	25n	300m	0.0	5.0	1.0	2.1	40m	45	0	7	A45	TO86
54	TMC3762J	4	4	0	BTX	20n	25n	300m	0.0	5.0	1.0	2.1	40m	45	0	7	A45	TO116
55	TMC3764F	4	4	0	BTX	20n	25n	300m	0.0	5.0	1.0	2.1	20m	45	0	7	A45	TO86
56	TMC3764J	4	4	0	BTX	20n	25n	300m	0.0	5.0	1.0	2.1	20m	45	0	7	A45	TO116
57	TMC3363F	4	4	0	BTX	23n	25n	300m	0.0	5.0	.90	2.2	20m	45	5	5	A45	TO86
58	TMC3363J	4	4	0	BTX	23n	25n	300m	0.0	5.0	.90	2.2	20m	45	5	5	A45	TO116
59	TMC3763F	4	4	0	BTX	23n	25n	300m	0.0	5.0	.90	2.2	20m	45	5	5	A45	TO86
60	TMC3763J	4	4	0	BTX	23n	25n	300m	0.0	5.0	.90	2.2	20m	45	5	5	A45	TO116
61	CD40108BK	4	4	0	MCX	110n	45n	500m	0.0	15	0.01	15	6.0m	1.5	5	5	PN24b	FL28
62	CD40208BK	4	4	0	MCX	170n	90n	500m	0.0	15	4.0	11	3.4m	1.5	5	5	A302	FL28
63	D4218	4	16	0	BTX	45n	40n	1.8	0.0	5.0	.80	2.0	40m	45	0	7	A103	PL7
64#	FJB9334	8	2	0	BTX	35n	29n	430m	0.0	5.0	.80	2.0	9.6m	40	0	7	A113	ML4e
65#	RC54S172N	8	2	0	BTX			850m	0.0	5.0	.80	2.0	16m	40	0	7	A172	ML135
66#	RC54S172F	8	2	0	BTX			850m	0.0	5.0	.80	2.0	16m	40	0	7	A172	ML135
67#	74172	8	2	0	BTX	50n	90n	850m	0.0	5.0	.80	2.0	16m	40	0	7	PN24a	ML12
68#	84172	8	2	0	BTX	50n	90n	850m	0.0	5.0	.80	2.0	16m	40	0	7	PN24a	ML12
69#	CD4005	16	1	0	MCX	25n	75n	100n	0.0	10					5	5	A33	FL6
70#	HM2101	16	1	0	BEX		15n	500m	0.0	5.0	1.8%	.74			0	7	A33	ML109
71	91100111	16	1	0	BEX	5.0n		390m	5.2	0.0	-1.3%	-1.0			0	7	A10	TO116
72	CD2155D	16	1	0	BEX	6.5n		315m	5.0	0.0	-1.5%	-.85			5	5	A33	ML109
73	MC1036F	16	1	0	BEX	22n	25n	250m	0.0	5.0	-1.5	-.85	10m	-85	0	7	A32	TO86
74	MC1036P	16	1	0	BEX	22n	25n	250m	0.0	5.0	-1.5	-.85	10m	-85	0	7	A32	ML38
75	MC1037F	16	1	0	BEX	22n	25n	250m	0.0	5.0	-1.5	-.85	10m	-85	0	7	A32	TO86
76	MC1037P	16	1	0	BEX	22n	25n	250m	0.0	5.0	-1.5	-.85	10m	-85	0	7	A32	ML38
77	MC1236L	16	1	0	BEX	22n	25n	250m	0.0	5.0	-1.5	-.85	10m	-85	5	5	A32	ML66
78	MC1237L	16	1	0	BEX	22n	25											

2. READ-WRITE MEMORIES (RAMS)

IN ORDER OF (1)No.WORDS(2)No.BITS/WORD
(3)MODE(4)STRUCTURE(5)MAX ACC.TIME(6)TYPE No.

LINE No.	TYPE No.	ORGANIZATION			MAX ACCESS TIME (s)	MAX WRITE CYCLE TIME (s)	MAX OPER. POWER DISS. (W)	RATED POWER SUP.		INPUT LOGIC LEVELS		MIN OUTPUT SINK CURRENT (A)	MIN CLOCK FREQ. (Hz)	OPER. TEMP. RANGE CODE	DRAWINGS		
		1 No. WORDS	2 BITS PER WORD	3 MODE				4 STRUCTURE CODE	NEG. (V)	POS. (V)	MAX '0' (V)				MIN '1' (V)	LOGIC/BLOCK	OUTLINE
1	MC7484L	16	1	S	35n	60n	250m	0.0	5.0	45%	20m	.45	0007	A67	ML5		
2	MC7484P	16	1	S	35n	60n	250m	0.0	5.0	45%	20m	.45	0007	A67	ML40		
3	CD405D	16	1	S	25n	75n	100m	0.0	10				0005	A38	ML16		
4	DM74LS89AW	16	4	S	150n	50n	95m	0.0	5.0	.70	3.6m	.40	0007	A184	FL39		
5	HM2502	16	4	D	60n	40n	750m	0.0	5.0	.80	16m	.45	0027	PN16f	ML120		
6	CM2100	16	4	S	60n	25n	640m	0.0	5.0	.80	16m	.40	0066	A3	ML10		
7	AM278S03ADC	16	4	S	25n		500m	0.0	5.0	.80	2.0	2.0	0007	A382	ML312a		
8	AM27L503DM	16	4	S	65n	55n	190m	0.0	5.0	.80	2.0	2.0	0008	A382	ML312a		
9	SN10145J	16	4	S	9.0n	7.5n	780m	5.2	0.0	-1.6	-98		0008	A179	ML61a		
10	SN10145JE	16	4	S	9.0n	7.5n	780m	5.2	0.0	-1.6	-98		0008	A179	ML140b		
11#	MB10145	16	4	S	13n	13n	754m	5.2	0.0	-1.6	-96		0035	PN16o	ML140e		
12#	MD5501	16	4	S	50n	25n	575m	0.0	5.5	.80	2.0	10m	0005	A3	ML10a		
13#	MD5501	16	4	S	50n	25n	575m	0.0	5.5	.85	2.0	15m	0007	A3	ML10a		
14#	MD5500	16	4	S	60n	25n	575m	0.0	5.5	.80	2.0	10m	0005	A3	ML10a		
15#	MD5500	16	4	S	60n	25n	575m	0.0	5.5	.85	2.0	15m	0007	A3	ML10a		
16	6561D	16	4	S	35n	25n	625m	0.0	5.0	.80	2.0	15m	0007	A155	ML158		
17	DM74LS189J	16	4	S	35n	25n	550m	0.0	5.0	.80	2.0	16m	0007	A155	ML127f		
18	DM74LS189N	16	4	S	35n	25n	550m	0.0	5.0	.80	2.0	16m	0007	A155	ML178		
19	DM74S289J	16	4	S	35n	25n	525m	0.0	5.0	.80	2.0	16m	0007	A155	ML127f		
20	DM74S289N	16	4	S	35n	25n	525m	0.0	5.0	.80	2.0	16m	0007	A155	ML178		
21	DM74S289W	16	4	S	35n	25n	525m	0.0	5.0	.80	2.0	16m	0007	A155	FL39		
22#	GTB3101AD	16	4	S	35n	25n	375m	0.0	5.0	.80	2.0	1.5m	0007	A155	ML127g		
23	MMI6580J	16	4	S	35n	40n	525m	0.0	5.0	.80	2.0	10m	0007	A155	ML158		
24	MMI6561J	16	4	S	35n	40n	625m	0.0	5.0	.80	2.0	10m	0007	A155	ML158		
25	T54S89J	16	4	S	35n	40n	375m	0.0	5.0	.80	2.0	20m	0007	PN16f	TO116		
26	T74S89J	16	4	S	35n	40n	375m	0.0	5.0	.80	2.0	20m	0007	PN16f	TO116		
27	DM54S189J	16	4	S	50n	25n	550m	0.0	5.0	.80	2.0	16m	0007	A155	ML127f		
28	DM54S289J	16	4	S	50n	25n	525m	0.0	5.0	.80	2.0	16m	0007	A155	ML127f		
29#	FJB93404	16	4	S	50n	30n	384m	0.0	5.0	.80	2.0	15m	0007	PN16bb	ML4e		
30#	GTC3101AD	16	4	S	50n	40n	375m	0.0	5.0	.80	2.0	1.5m	0007	A155	ML127g		
31#	DM75S68D	16	4	S	55n	40n	500m	0.0	5.0	.80	2.0	16m	0007	A294	ML115a		
32	5560D	16	4	S	60n	40n	525m	0.0	5.0	.80	2.0	10m	0007	A155	ML158		
33	5561D	16	4	S	60n	40n	625m	0.0	5.0	.80	2.0	10m	0007	A155	ML158		
34	5561N	16	4	S	60n	40n	625m	0.0	5.0	.80	2.0	10m	0007	A155	ML157		
35	MMI5580J	16	4	S	60n	40n	525m	0.0	5.0	.80	2.0	10m	0007	A155	ML158		
36	MMI5561J	16	4	S	60n	40n	625m	0.0	5.0	.80	2.0	10m	0007	A155	ML157		
37	DM74LS189J	16	4	S	80n	60n	145m	0.0	5.0	.80	2.0	8.0m	0007	PN16bf	ML127f		
38	DM74LS189N	16	4	S	80n	60n	145m	0.0	5.0	.80	2.0	8.0m	0007	PN16bf	ML178		
39	DM74LS289J	16	4	S	90n	80n	145m	0.0	5.0	.80	2.0	8.0m	0007	PN16bf	ML127f		
40	DM74LS289N	16	4	S	90n	80n	145m	0.0	5.0	.80	2.0	8.0m	0007	PN16bf	ML178		
41	DM54LS189J	16	4	S	100n	80n	145m	0.0	5.0	.80	2.0	4.0m	0007	PN16bf	ML127f		
42	DM54LS189N	16	4	S	100n	80n	145m	0.0	5.0	.80	2.0	4.0m	0007	PN16bf	FL39		
43	DM54LS289J	16	4	S	110n	100n	145m	0.0	5.0	.80	2.0	4.0m	0007	PN16bf	ML127f		
44	DM54LS289W	16	4	S	110n	100n	145m	0.0	5.0	.80	2.0	4.0m	0007	PN16bf	FL39		
45	5587#2	16	4	S	28n	30n	1.6	0.0	5.0	.80	2.0		0007				
46	93435-1-6P	16	4	S	35n	25n	590m	0.0	5.0	.90	2.0	10m	0007	A29	ML53		
47	93435DC	16	4	S	35n	25n	651m	0.0	5.0	.85	2.0	10m	0007	A29	ML101		
48	uPB2289D	16	4	S	35n	25n	575m	0.0	5.0	.80	2.0	16m	0006	A217	ML127n		
49	DM54L89AJ	16	4	S	50n	30n	95m	0.0	5.0	.70	2.0	2.0m	0007	A184	ML127f		
50	DM54L89AN	16	4	S	50n	30n	95m	0.0	5.0	.70	2.0	2.0m	0007	A184	ML178		
51	DM54L89AW	16	4	S	50n	30n	95m	0.0	5.0	.70	2.0	2.0m	0007	A184	FL39		
52	DM74L89AJ	16	4	S	50n	30n	95m	0.0	5.0	.70	2.0	3.6m	0007	A184	ML127f		
53	DM74L89AN	16	4	S	50n	30n	95m	0.0	5.0	.70	2.0	3.6m	0007	A184	ML178		
54	DM8599J	16	4	S	50n	40n	600m	0.0	5.0	.80	2.0	12m	0007	A184	ML127f		
55	DM8599N	16	4	S	50n	40n	600m	0.0	5.0	.80	2.0	12m	0007	A184	ML178		
56#	FJQ111	16	4	S	50n	30n	6.0m	0.0	5.0	.80	2.0	15m	0007	A105	ML2f		
57	MM5501#1	16	4	S	50n	25n	6.0m	0.0	5.0	.80	2.0	10m	0007	A3	ML55		
58	MM5501#2	16	4	S	50n	25n	6.0m	0.0	5.0	.80	2.0	10m	0007	A3	ML56		
59	MM6501#1	16	4	S	50n	25n	6.0m	0.0	5.0	.85	2.0	15m	0007	A3	ML55		
60	MM6501#2	16	4	S	50n	25n	6.0m	0.0	5.0	.85	2.0	15m	0007	A3	ML56		
61	N8225E	16	4	S	50n	60n	552m	0.0	5.0	.80	2.0	16m	0007	A73	ML61c		
62	N8225R	16	4	S	50n	60n	552m	0.0	5.0	.80	2.0	16m	0007	A73	FL18		
63	S8225B	16	4	S	50n	60n	552m	0.0	5.0	.80	2.0	16m	0007	A73	ML85		
64	S8225E	16	4	S	50n	60n	552m	0.0	5.0	.80	2.0	16m	0007	A73	ML61c		
65	S8225R	16	4	S	50n	60n	552m	0.0	5.0	.80	2.0	16m	0007	A73	FL18		
66	93403-1-4L	16	4	S	60n	45n	575m	0.0	5.0	.80	2.1	16m	0007	PN16bb	FL14		
67	93403-1-7B	16	4	S	60n	45n	575m	0.0	5.0	.80	2.1	16m	0007	PN16bb	ML15a		
68	93403-9-4L	16	4	S	60n	45n	550m	0.0	5.0	.85	2.0	16m	0007	PN16bb	ML14		
69	DM7489J	16	4	S	60n	40n	600m	0.0	5.0	.80	2.0	12m	0007	A184	ML127f		
70	DM7489N	16	4	S	60n	40n	600m	0.0	5.0	.80	2.0	12m	0007	A184	ML178		
71	HRAM0064-2	16	4	S	60n	95n	525m	0.0	5.0	.80	2.0	16m	0007	A3	ML15		
72	HRAM0064-5	16	4	S	60n	95n	525m	0.0	5.0	.80	2.0	16m	0007	A3	ML15		
73	IM5501CDE	16	4	S	60n	35n	6.0m	0.0	5.0	.85	2.0	16m	0007	A31	ML1a		
74	IM5501CFE	16	4	S	60n	35n	6.0m	0.0	5.0	.85	2.0	16m	0007	A31	FL27		
75	IM5501CFE	16	4	S	60n	35n	6.0m	0.0	5.0	.85	2.0	16m	0007	A31	ML2g		
76	IM5501MDE	16	4	S	60n	35n	6.0m	0.0	5.0	.80	2.0	16m	0007	A31	ML1a		
77	IM5501MFE	16	4	S	60n	35n	6.0m	0.0	5.0	.80	2.0	16m	0007	A31	FL27		
78	IM5501MPE	16	4	S	60n	35n	6.0m	0.0	5.0	.80	2.0	16m	0007	A31	ML2g		
79	MCM4064AL	16	4	S	60n	50n	550m	0.0	5.0	.80	2.0	15m	0008	A70	ML78		
80	MM5500#1	16	4	S	60n	25n	6.0m	0.0	5.0	.80	2.0	10m	0007	A3	ML55		
81	MM5500#2	16	4	S	60n	25n	6.0m	0.0	5.0	.80	2.0	10m	0007	A3	ML56		
82	MM6500#1	16	4	S	60n	25n	6.0m	0.0	5.0	.85	2.0	15m	0007	A3	ML55		
83	MM6500#2	16	4	S	60n	25n	6.0m	0.0	5.0	.85	2.0	15m	0007	A3	ML56		
84	RR5100#1	16	4	S	60n	100n	450m	0.0	5.0	.85	2.0	10m	0007	A40	ML26		
85	RR5100#2	16	4	S	60n	100n	450m	0.0	5.0	.85	2.0	10m	0007	A40	FL14b		
86	RR5100D	16	4	S	60n	100n	450m	0.0	5.0	.85	2.0	10m	0007	A122	ML4f		
87	RR5100K	16	4	S	60n	100n	450m	0.0	5.0	.85	2.0	10m	0007	A122	FL14b		
88	RR5101#1	16	4	S	60n	45n	375m	0.0	5.0	.80	2.0	16m	0007	A40	ML26		
89	RR5101#2	16	4	S	60n	45n	375m	0.0	5.0	.80	2.0	16m	0007	A40	FL14b		
90	RR5102#1	16	4	S	60n	100n	450m	0.0	5.0	.85	2.0	10m	0007	A40	ML26		
91	RR5102#2	16	4	S	60n	100n											

2. READ-WRITE MEMORIES (RAMS)

IN ORDER OF (1)NO.WORDS(2)NO.BITS/WORD
(3)MODE(4)STRUCT.(5)MAX ACC.TIME(6)TYPE No.

MEMORY

LINE No.	TYPE No.	ORGANIZATION		MODE	STRUCTURE CODE	MAX ACCESS TIME (s)	MAX WRITE CYCLE TIME (s)	MAX OPER. POWER DISS. (W)	RATED POWER SUP. SPAN		INPUT LOGIC LEVELS		MIN OUTPUT SINK CURRENT @ OUT		MIN CLOCK FREQ. (Hz)	OPER. TEMP. RANGE CODE	DRAWINGS		
		No. WORDS	BITS PER WORD						NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)	(A)	(V)			LOGIC/BLOCK	OUTLINE	
																			(V)
1	CM2106	16	4	S	BTX	150nt	200n	100m	0.0	5.0	.70	2.1	4.8m	.30	0	7	A3	ML10	
2	CM2106M	16	4	S	BTX	150nt	200n	100m	0.0	5.0	.70	2.1	4.8m	.30	5	7	A3	ML10	
3	5884	16	4	S	BXX	60n	45nt	1.0	0.0	5.0	.85	2.0	100uA	5.5	0	7			
4	PMS16x4C	16	4	S	HXX	400nt	100nt*		15	0.0	-2.0	-9.0	1.0m	2.0	0	7	A19	ML19a	
5	AO1	16	4	S	MCS	90n	95nt	70m	5.0	5.0	.80	3.2	100nA	0	0	7	A86	ML1	
6	AO1	16	4	S	MCS	100n	100n	64m	5.0	5.0	.80	3.2	1.6m	.40	0	7	A86	ML1	
7	AO1FT	16	4	S	MCS	100n	100n	64m	5.0	5.0	.80	3.2	1.6m	.40	5	7	A86	ML1	
8	AO1FT	16	4	S	MCS	140n	150n	64m	5.0	5.0	.80	3.2	2.0m	.80	5	7	A86	ML1	
9	HD1-54C89	16	4	S	MCS	130nt	100nt	100nt	0.0	10	2.0	8.0	8.0m	.10	5	7	A182	ML127h	
10	HD1-74C89	16	4	S	MCX	130nt	100nt	100nt	0.0	10	2.0	8.0	8.0m	.10	4	8	A182	ML127h	
11	HD9-54C89	16	4	S	MCX	130nt	100nt	100nt	0.0	10	2.0	8.0	8.0m	.10	5	7	A182	FL27	
12	HD9-74C89	16	4	S	MCX	130nt	100nt	100nt	0.0	10	2.0	8.0	8.0m	.10	4	8	A182	FL27	
13	CRC4001-1,3	16	4	S	MPX	400nt	100nt	4.0m	27	0.0	-2.0	-9.0	10uA	15	0	7	A19	ML6	
14	CRC4001-2,3	16	4	S	MPX	400nt	100nt	4.0m	27	0.0	-2.0	-9.0	10uA	15	0	7	A19	FL5	
15	MCM1170L	16	4	S	MPX	500n	250nt	420m	30	0.0	-2.0	-1.1			0	7	A8	ML6	
16#	TL1170L	16	4	S	MPX	550n	500n		15	0.0	0.0	-1.1	1.0m		0	7	A8	ML6	
17	5588#1	16	16	S	BXX	60n	45nt	2.0	0.0	5.0	.85	2.0	100uA	5.5	0	7			
18	RA6-4803D	32	1	S	MXX	1.5u*	1.5u*	90mt	12	5.0	.80	3.5	1.6m	.40	5	7	A20	ML9	
19	RA6-4803F	32	1	S	MXX	1.5u*	1.5u*	90mt	12	5.0	.80	3.5	1.6m	.40	5	7	A20	TO87	
20	5587#1	32	2	S	BTX	28nt	30nt	1.6	0.0	5.0	.80	2.0			0	7			
21	DM86S21J	32	2	S	BTX	50n	20nt	650m	0.0	5.0	.85	2.0A	40m	.45	0	7	A92	ML127f	
22	DM86S21N	32	2	S	BTX	50n	20nt	650m	0.0	5.0	.85	2.0A	40m	.45	0	7	A92	ML178	
23	CD40024D	32	8	S	MCX	220n	350n	7.5m	0.0	12	.80	3.6	3.6m	.50	5	7	PN18f	ML2	
24	85100111	32	8	S	BEX	15n	10nt	9.4	5.2	0.0	-1.3	-1.0	25m		0	7		PL1	
25	5588#2	32	8	S	BXX	60n	45nt	2.0	0.0	5.0	.85	2.0	100uA	5.5	0	7			
26	85100211	32	9	S	BEX	15n	10nt	10	5.2	0.0	-1.3	-1.0	25m		0	7	A11	PL1	
27	91100211	64	1	S	BEX	7.0nt	7.0nt	5.0m	6.5	0.0	-1.6t	-.40#	25m		0	7	A13	TO116	
28	IM0641	64	1	S	BEX	7.0nt	7.0nt	5.0m	6.5	0.0	-1.6t	-.40#	25m		0	7	A13	TO116	
29	MCM10142AL	64	1	S	BEX	10n	10nt	420mt	5.2	0.0	-.96	-.98	40m		3	8	A126	ML98	
30	SN10142J	64	1	S	BEX	10n	10nt	520m	5.2	0.0	-1.6	-.98	40m		0	8	A177	ML61a	
31	MCM10140L	64	1	S	BEX	12n	18nt	520m	5.2	0.0	-1.6	-.89			3	8	A126	ML60b	
32	MCM10142L	64	1	S	BEX	12n	18nt	520m	5.2	0.0	-1.6	-.89			3	8	A126	ML60b	
33#	GXB10151	64	1	S	BEX	15n		520m	5.2	0.0					3	8			
34	MCM10140AL	64	1	S	BEX	15n	10nt	420mt	5.2	0.0	-1.6	-.96	40m		3	8	A126	ML98	
35	MCM10148AL	64	1	S	BEX	15n	10nt	420mt	5.2	0.0	-1.6	-.96	40m		3	8	A126	ML98	
36	SN10140J	64	1	S	BEX	15n	10nt	520m	5.2	0.0	-1.6	-.98			0	8	A177	ML61a	
37	SN10148J	64	1	S	BEX	15n	10nt	520m	5.2	0.0	-1.6	-.98			0	8		ML61a	
38	MCM14505L	64	1	S	MCX	200nt	300nt	100u	0.0	10	3.5	1.5	10nA		5	7	A66	ML66	
39	MCM14505AL	64	1	S	MCX	300nt	415nt	300u	0.0	15	.05	14.9	1.7m	1.5	5	7	A66	ML66	
40	MCM14505CL	64	1	S	MCX	300nt	415nt	3.0m	0.0	15	.05	14.9	750u	1.5	4	8	A66	ML66	
41	MCM14505CP	64	1	S	MCX	300nt	415nt	3.0m	0.0	15	.05	14.9	750u	1.5	4	8	A66	ML124	
42	3530-4.6J	64	1	S	MPX	1.0u\$†	3.5u\$	225mt	27	0.0	-2.0	-9.0			5	8	A28	ML17	
43#	FDQ106	64	2	D	MPX	1.0u	500nt	3.0u	28	0.0	-10%	-1.0			10k	5	8	A39	ML4a
44	CRC4002-1,2	64	2	S	MPX	100nt	100nt	150m	0.0	12	10*	2.0#			2	8		FL3	
45	CRC4002-2,2	64	2	S	MPX	100nt	100nt	150m	0.0	12	10*	2.0#			2	8		FL7	
46	UA2564D	64	4	D	MPA	900n		180m	5.0	5.0	.80	2.6	3.5m	2.4	50kA	5	7	A43	ML26
47	UA2564F	64	4	D	MPA	900n		180m	5.0	5.0	.80	2.6	3.5m	2.4	50kA	5	7	A43	FL7a
48	UA2764D	64	4	D	MPA	900n		180m	5.0	5.0	.80	2.6	3.5m	2.4	50kA	5	7	A44	ML26
49	UA2764F	64	4	D	MPA	900n		180m	5.0	5.0	.80	2.6	3.5m	2.4	50kA	5	7	A44	FL7a
50	UA3564D	64	4	D	MPA	900n		180m	5.0	5.0	.80	2.6	3.5m	2.4	50kA	2	7	A43	ML26
51	UA3564F	64	4	D	MPA	900n		180m	5.0	5.0	.80	2.6	3.5m	2.4	50kA	2	7	A43	FL7a
52	UA3764D	64	4	D	MPA	900n		180m	5.0	5.0	.80	2.6	3.5m	2.4	50kA	2	7	A44	ML26
53	UA3764F	64	4	D	MPA	900n		180m	5.0	5.0	.80	2.6	3.5m	2.4	50kA	2	7	A44	FL7a
54	UC6550D	64	4	D	MPA	900n		180m	5.0	5.0	.60	2.7	3.5m	2.4	50kA	5	7	A41a	ML24
55	UC6550F	64	4	D	MPA	900n		180m	5.0	5.0	.60	2.7	3.5m	2.4	50kA	5	7	A41	FL7a
56	UC7550D	64	4	D	MPA	900n		180m	5.0	5.0	.60	2.7	3.5m	2.4	50kA	2	7	A41a	ML24
57	UC7550F	64	4	D	MPA	900n		180m	5.0	5.0	.60	2.7	3.5m	2.4	50kA	2	7	A41	FL7a
58	5588#3	64	4	S	BXX	60n	45nt	2.0	0.0	5.0	.85	2.0	100uA	5.5	0	7			
59	SCL5555D	64	4	S	MCX	100nt	145nt	500u	0.0	10	10%	9.9	500u	1.50	5	7	A90	ML105	
60	SCL5555E	64	4	S	MCX	100nt	145nt	500u	0.0	10	10%	9.9	500u	1.50	4	8	A90	ML118e	
61	SCL5555H	64	4	S	MCX	100nt	145nt	500u	0.0	10	10%	9.9	500u	1.50	5	7	A90	CH	
62	UA2664D	64	4	S	MPA	1.0u	400nt	480m	5.0	5.0	.80	2.4	3.2m	2.8	5	7	A43	ML26	
63	UA2664F	64	4	S	MPA	1.0u	400nt	480m	5.0	5.0	.80	2.4	3.2m	2.8	5	7	A43	FL7a	
64	UA2864D	64	4	S	MPA	1.0u	400nt	480m	5.0	5.0	.80	2.4	3.2m	2.8	5	7	A44	ML26	
65	UA2864F	64	4	S	MPA	1.0u	400nt	480m	5.0	5.0	.80	2.4	3.2m	2.8	5	7	A44	FL7a	
66	UA3664D	64	4	S	MPA	1.0u	400nt	480m	5.0	5.0	.80	2.4	3.2m	2.8	2	7	A43	ML26	
67	UA3664F	64	4	S	MPA	1.0u	400nt	480m	5.0	5.0	.80	2.4	3.2m	2.8	2	7	A43	FL7a	
68	UA3864D	64	4	S	MPA	1.0u	400nt	480m	5.0	5.0	.80	2.4	3.2m	2.8	2	7	A44	ML26	
69	UA3864F	64	4	S	MPA	1.0u	400nt	480m	5.0	5.0	.80	2.4	3.2m	2.8	2	7	A44	FL7a	
70	CM1808#1	64	4	S	MPG	100n	250n	350m	0.0	5.0	.80	3.0			0	8	A80	ML	
71	CM1808#2	64	4	S	MPG	100n	250n	350m	0.0	5.0	.80	3.0			5	7	A80	ML	
72	CM1805	64	4	S	MPG	650nt	250nt	350m	0.0	5.0	.50t	3.0t	3.0m	4.5	0	7	A79	ML84a	
73	MK4002P	64	4	S	MPI	1.0u	200nt		12	5.0	.80	-1.0	1.6m	.50	0	7	A34	ML21	
74	CRC4003-1,2	64	4	S	MPX	100nt	100nt	300m	0.0	12	10*	2.0#			2	8		ML13	
75	CRC4003-2,2	64	4	S	MPX	100nt	100nt	300m	0.0	12	10*	2.0#			2	8		FL4	
76	UC6550#1	64	4	S	MXX	900n		710m	15	5.0	.60	2.7			5	7	A41	FL7	
77	UC6550#2	64	4	S	MXX	900n		710m	15	5.0	.60	2.7			5	7	A41a	ML24	
78	UC7550#1	64	4	S	MXX	900n		710m	15	5.0	.60	2.7			2	7	A41	FL7	
79	UC7550#2	64	4	S	MXX	900n		710m	15	5.0	.60	2.7			2	7	A41a	ML24	
80	08C25	64	8	S	BEX	40n	80n	13	5.2	0.0	-1.5	-.90	22m#	1.8	1	5		PL5a	
81	15C22	64	8	S	BTX	125n	150n	9.0	0.0										

2. READ-WRITE MEMORIES (RAMS)

IN ORDER OF (1)NO.WORDS(2)NO.BITS/WORD
(3)MODE(4)STRUCT.(5)MAX ACC.TIME(6)TYPE No.

LINE No.	TYPE No.	ORGANIZATION			MAX ACCESS TIME (s)	MAX WRITE CYCLE TIME (s)	MAX OPER. POWER (W)	RATED POWER SUP.		INPUT LOGIC LEVELS		MIN OUTPUT SINK CURRENT		MIN CLOCK FREQ. (Hz)	OPER. TEMP. RANGE CODE	DRAWINGS		
		1 No. WORDS	2 BITS PER WORD	3 MOD				4 STRUCTURE CODE	NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)	(A)			@ OUT (V)	LOGIC/BLOCK	OUTLINE
1	85100311	128	8	S	BEX	17n	15n	12	6.0	0.0	-1.6	-1.0	20m			PL1		
2	IM1288E	128	8	S	BEX	17n	15n	12	6.0	0.0	-1.6	-1.0	11m			PL1		
3	08C44	128	8	S	BEX	40n	80n	21	5.2	0.0	-1.5	-9.0	22m			PL5a		
4	15C21	128	8	S	BTX	125n	150n	11	0.0	5.0	.80t	2.0t	15m			PL5a		
5	RAM18A#1	128	8	S	BTX	180n	200n	2.2 t	5.0	5.0	.80	2.0	20m			PL3		
6	RAM218A#1	128	8	S	BTX	180n	155n*	2.2 t	5.0	5.0	.80	2.0	30m			PL3		
7	85100411	128	9	S	BEX	17n	15n	13	6.0	0.0	-1.4	-1.0	20m			PL1		
8	IM1289E	128	9	S	BEX	17n	15n	13	6.0	0.0	-1.4	-1.0	11m			PL1		
9	08C42	128	9	S	BEX	40n	80n	22	5.2	0.0	-1.5	-9.0	22m			PL5a		
10	15C16	128	9	S	BTX	125n	150n	12	0.0	5.0	.80t	2.0t	15m			PL5a		
11	08C53	128	16	S	BEX	40n	80n	32	5.2	0.0	-1.5	-9.0	22m			PL5a		
12	15C24	128	16	S	BTX	125n	150n	21	0.0	5.0	.80t	2.0t	15m			PL5a		
13	08C41	128	18	S	BEX	40n	80n	35	5.2	0.0	-1.5	-9.0	22m			PL5		
14	15C18	128	18	S	BTX	125n	150n	22	0.0	5.0	.80t	2.0t	15m			PL5a		
15	RR5330-PR	256	1	S	BTX	40n		350m	0.0	5.0			16m					
16	RR5332-PR	256	1	S	BTX	40n		350m	0.0	5.0			16m					
17	RR5340-PR	256	1	S	BTX	40n		350m	0.0	5.0			16m					
18	RR5342-PR	256	1	S	BTX	40n		350m	0.0	5.0			16m					
19#	GXB95410	256	1	S	BEX			5.2	0.0	0.0	-1.7t	-.88t				PN16cb		
20#	MB7041	256	1	S	BEX	9.0nt	16n*	520mt	5.2	0.0	-1.8*	-.84#				A225		
21	RC10144M	256	1	S	BEX	10n	20nt*	250m	5.2	0.0	-1.6*	-.96	30m			A150a		
22	RC10144MP	256	1	S	BEX	10n	20nt*	250m	5.2	0.0	-1.6*	-.96	30m			A150a		
23	RI10144M	256	1	S	BEX	10n	20nt*	250m	5.2	0.0	-1.6*	-.96	30m			A150a		
24	MCM10144AL	256	1	S	BEX	30n	40n	520m	5.2	0.0	-1.6*	-.70				A165		
25	RC10144	256	1	S	BEX	30n		350m	0.0	5.0			16m					
26	RC95410	256	1	S	BEX	30n		350m	0.0	5.0			16m					
27	10410FC	256	1	S	BEX	35n	38n	500mt	5.2	0.0	-1.4	-1.1	30m			A150		
28#	MB7044	256	1	S	BEX	35n	25n*	710m	5.2	0.0	-1.8*	-.84#				A178		
29	SN10144J	256	1	S	BEX	35n	25n*	650m	5.2	0.0	-1.6*	-.98				A178		
30	95410DC	256	1	S	BEX	40n	43n	500mt	5.2	0.0	-1.5	-1.1	30m			A82		
31#	HM104	256	1	S	BEX	40n	30n*	1.8m*	5.2	0.0	-1.5	-1.1	30m			A150		
32	Am29720DM	256	1	S	BDT		55nΔ*	350m	0.0	5.0	.80	2.0						
33	Am29720FM	256	1	S	BDT		55nΔ*	350m	0.0	5.0	.80	2.0						
34	Am29720PC	256	1	S	BDT		45nΔ*	350m	0.0	5.0	.80	2.0						
35	Am29721DC	256	1	S	BDT		45nΔ*	350m	0.0	5.0	.80	2.0s						
36	Am29721DM	256	1	S	BDT		55nΔ*	350m	0.0	5.0	.80	2.0s						
37	Am29721FM	256	1	S	BDT		55nΔ*	350m	0.0	5.0	.80	2.0						
38	Am29721PC	256	1	S	BDT		45nΔ*	350m	0.0	5.0	.80	2.0						
39	SN54S200J	256	1	S	BDT	31nt	50n*	435mt	0.0	5.0	.80	2.0s	8.0m			A115		
40	SN54S200N	256	1	S	BDT	31nt	50n*	435mt	0.0	5.0	.80	2.0s	8.0m			A115		
41	SN54S200W	256	1	S	BDT	31nt	50n*	435mt	0.0	5.0	.80	2.0s	8.0m			A115		
42	SN74S200J	256	1	S	BDT	31nt	40n*	435mt	0.0	5.0	.80	2.0s	12m			A115		
43	SN74S200N	256	1	S	BDT	31nt	40n*	435mt	0.0	5.0	.80	2.0s	12m			A115		
44	SN74S200W	256	1	S	BDT	31nt	40n*	435mt	0.0	5.0	.80	2.0s	12m			A115		
45	SN54S206J	256	1	S	BDT	33nt	50n*	435mt	0.0	5.0	.80	2.0	8.0m			A115		
46	SN54S206N	256	1	S	BDT	33nt	50n*	435mt	0.0	5.0	.80	2.0	8.0m			A115		
47	SN54S206W	256	1	S	BDT	33nt	50n*	435mt	0.0	5.0	.80	2.0	8.0m			A115		
48	SN74S206J	256	1	S	BDT	33nt	40n*	435mt	0.0	5.0	.80	2.0	12m			A115		
49	SN74S206N	256	1	S	BDT	33nt	40n*	435mt	0.0	5.0	.80	2.0	12m			A115		
50	SN74S206W	256	1	S	BDT	33nt	40n*	435mt	0.0	5.0	.80	2.0	12m			A115		
51	N82061	256	1	S	BDT	35nt	60n	500m	0.0	5.0	.85	2.0s	16n			A76		
52	N82071	256	1	S	BDT	35nt	60n	500m	0.0	5.0	.85	2.0	16m			A76		
53	S82061	256	1	S	BDT	35nt	60n	500m	0.0	5.0	.85	2.0s	16m			A76		
54	S82071	256	1	S	BDT	35nt	60n	500m	0.0	5.0	.85	2.0	16m			A76		
55	C3102A	256	1	S	BDT	50n	70n	525m	0.0	5.0	.85	2.0	15m			A5		
56	DM74S200J	256	1	S	BDT	50n	40n*	650m	0.0	5.0	.80	2.0s	16m			A115		
57	DM74S200N	256	1	S	BDT	50n	40n*	650m	0.0	5.0	.80	2.0s	16m			A115		
58	DM74S200W	256	1	S	BDT	50n	40n*	650m	0.0	5.0	.80	2.0s	16m			A115		
59	IM55S23CJE	256	1	S	BDT	50n	35n*	450mt	0.0	5.0	.80	2.0s	16m			PN16g		
60	IM55S33CJE	256	1	S	BDT	50n	35n*	450mt	0.0	5.0	.80	2.0Δ	16m			PN16g		
61	P3102A	256	1	S	BDT	50n	70n	525m	0.0	5.0	.85	2.0	15m			A5		
62	MMI6530J	256	1	S	BDT	55n		650m	0.0	5.0	.85	2.0						
63	MMI6531J	256	1	S	BDT	55n		650m	0.0	5.0	.85	2.0s						
64	C3106A	256	1	S	BDT	60n	50n*	682m	0.0	5.0	.85	2.0s	15m			A63		
65	C3107A	256	1	S	BDT	60n	50n*	682m	0.0	5.0	.85	2.0	15m			A63		
66	D3106A	256	1	S	BDT	60n	50n*	682m	0.0	5.0	.85	2.0s	15m			A63		
67	D3107A	256	1	S	BDT	60n	50n*	682m	0.0	5.0	.85	2.0	15m			A63		
68	DM74S206J	256	1	S	BDT	60n	40n*	650m	0.0	5.0	.80	2.0Δ	16m			A115		
69	DM74S206N	256	1	S	BDT	60n	40n*	650m	0.0	5.0	.80	2.0Δ	16m			A115		
70	DM74S206W	256	1	S	BDT	60n	40n*	650m	0.0	5.0	.80	2.0	16m			A115		
71	IM55S23MJE	256	1	S	BDT	60n	45n*	450mt	0.0	5.0	.80	2.0s	16m			PN16g		
72	IM55S33MJE	256	1	S	BDT	60n	45n*	450mt	0.0	5.0	.80	2.0Δ	16m			PN16g		
73	P3106A	256	1	S	BDT	60n	50n*	682m	0.0	5.0	.85	2.0s	15m			A63		
74	P3107A	256	1	S	BDT	60n	50n*	682m	0.0	5.0	.85	2.0	15m			A63		
75	5530N	256	1	S	BDT	70n	65n*	675m	0.0	5.0	.85	2.0	10m			A154		
76	5531N	256	1	S	BDT	70n	65n*	675m	0.0	5.0	.85	2.0s	10m			A154		
77	DM54S200J	256	1	S	BDT	70n	50n*	650m	0.0	5.0	.80	2.0s	16m			A115		
78	DM54S200W	256	1	S	BDT	70n	50n*	650m	0.0	5.0	.80	2.0s	16m			A115		
79	MMI5531J	256	1	S	BDT	70n		675m	0.0	5.0	.85	2.0s						
80	C3102	256	1	S	BDT	80n	90n	625m	0.0	5.0	.85	2.0	15m			A5		
81	C3106	256	1	S	BDT	80n	60n*	682m	0.0	5.0	.85	2.0s	15m			A63		
82	C3106-8	256	1	S	BDT	80n	80n*	650m	0.0	5.0	.85	2.0s	15m			A63		
83	C3107	256	1	S	BDT	80n	60n*	682m	0.0	5.0	.85	2.0	15m			A63		
84	C3107-8	256	1	S	BDT	80n	80n*	650m	0.0	5.0	.85	2.0	15m			A63		
85	D3106	256	1	S	BDT	80n	60n*	682m	0.0	5.0	.85	2.0s	15m			A63		
86	D3106-8	256	1	S	BDT	80n	80n*	682m	0.0	5.0	.85	2.0s	15m			A63		
87	D3107	256	1	S	BDT	80n	60n*	682m	0.0	5.0	.85	2.0	15m			A63		
88	D3107-8	256	1	S	BDT	80n	80n*	682m	0.0	5.0	.85	2.0	15m			A63		
89	DM54S206J	256	1	S	BDT	80n	50n*	650m	0.0	5.0	.80	2.0Δ	16m			A115		
90	DM54S206N	256	1	S	BDT	80n	50n*	650m	0.0	5.0	.80	2.0	16m			A115		
91	DM54S206W	256	1	S	BDT	80n	50n*	650m	0.0	5.0	.80	2.0	16m			A115		
92	P3102	256	1	S	BDT	80n	90n	625m	0.0	5.0	.85	2.0	15m			A5		
93	P3106	256	1	S	BDT	80n	60n*	682m	0.0	5.0	.85	2.0s	15m			A63		
94	P3106-8</																	

2. READ-WRITE MEMORIES (RAMS)

IN ORDER OF (1)No.WORDS(2)No.BITS/WORD
(3)MODE(4)STRUCT.(5)MAX. ACC.TIME(6)TYPE No.

MEMORY

LINE No.	TYPE No.	ORGANIZATION		MODE	STRUCTURE CODE	MAX ACCESS TIME (s)	MAX WRITE CYCLE TIME (s)	MAX OPER. POWER DISS. (W)	RATED POWER SUP. SPAN		INPUT LOGIC LEVELS		MIN OUTPUT SINK CURRENT @ OUT		MIN CLOCK FREQ. (Hz)	OPER. TEMP. RANGE CODE		DRAWINGS	
		No. WORDS	BITS PER WORD						NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)	(A)	(V)		-	+	LOGIC/BLOCK	OUTLINE
1	RM5340L	256	1	0	BTX	40n	40n	250m	0.0	5.0	.80	2.0s	16m	.45	5	C	A181	FL25	
2	RM5340M	256	1	0	BTX	40n	40n	250m	0.0	5.0	.80	2.0s	16m	.45	5	C	A181	ML141	
3	SN74200D	256	1	0	BTX	40n	25n	2.0m	0.0	5.0	.80	2.0s	24m	.40	0	7	PN16p	ML177	
4	SN74200J	256	1	0	BTX	42n	40n	1.8m	0.0	5.0	.80	2.0s	12m	.40	0	7	A91	ML61a	
5	SN74200N	256	1	0	BTX	42n	40n	1.8m	0.0	5.0	.80	2.0s	12m	.40	0	7	A91	ML48	
6	DM8582D	256	1	0	BTX	50n	25n	625m	0.0	5.0	.80	2.0	24m	.40	0	7	PN16p	ML177	
7	DM8582N	256	1	0	BTX	50n	25n	625m	0.0	5.0	.80	2.0	24m	.40	0	7	PN16p	ML178	
8#	FJB93410	256	1	0	BTX	50n	30n	460m	0.0	5.0	.95	2.0	16m	.45	0	7	A24a	ML4e	
9	93411FC	256	1	0	BTX	55n	40n	475m	0.0	5.0	.85	2.0	16m	.45	0	7		FL7	
10	IM5503ACDE	256	1	0	BTX	60n	35n	625m	0.0	5.0	.80	2.0	16m	.45	0	7	A30	ML1a	
11	IM5503ACPE	256	1	0	BTX	60n	35n	625m	0.0	5.0	.80	2.0	16m	.45	0	7	A30	ML2g	
12	IM5523ACDE	256	1	0	BTX	60n	35n	625m	0.0	5.0	.80	2.0s	16m	.45	0	7	A30	ML1a	
13	IM5523ACPE	256	1	0	BTX	60n	35n	625m	0.0	5.0	.80	2.0s	16m	.45	0	7	A30	ML2g	
14	IM5533ACDE	256	1	0	BTX	60n	35n	625m	0.0	5.0	.80	2.0	16m	.45	0	7	A30	ML1a	
15	IM5533ACPE	256	1	0	BTX	60n	35n	625m	0.0	5.0	.80	2.0	16m	.45	0	7	A30	ML2g	
16#	HM2505	256	1	0	BTX	65n	40n	1.2m	0.0	5.0	.80	2.0s	16m	.50	0	6	A150c	ML22c	
17	IM5503AMDE	256	1	0	BTX	70n	40n	700m	0.0	5.0	.80	2.0	16m	.45	5	C	A30	ML1a	
18	IM5503AMFE	256	1	0	BTX	70n	40n	700m	0.0	5.0	.80	2.0	16m	.45	5	C	A30	FL27	
19	IM5523AMDE	256	1	0	BTX	70n	40n	700m	0.0	5.0	.80	2.0s	16m	.45	5	C	A30	ML1a	
20	IM5523AMFE	256	1	0	BTX	70n	40n	700m	0.0	5.0	.80	2.0s	16m	.45	5	C	A30	FL27	
21	IM5533AMDE	256	1	0	BTX	70n	40n	700m	0.0	5.0	.80	2.0	16m	.45	5	C	A30	ML1a	
22	IM5533AMFE	256	1	0	BTX	70n	40n	700m	0.0	5.0	.80	2.0	16m	.45	5	C	A30	FL27	
23	93411PM	256	1	0	BTX	75n	50n	475m	0.0	5.0	.85	2.0	16m	.45	5	C		ML7	
24#	FLQ141-74200	256	1	0	BTX	80n	90n	625m	0.0	5.0	.80	2.0	16m	.45	0	7	A307	ML7	
25	IM5503CDE	256	1	0	BTX	80n	65n	625m	0.0	5.0	.80	2.0	16m	.45	0	7	A30	ML1a	
26	IM5503CFE	256	1	0	BTX	80n	65n	625m	0.0	5.0	.80	2.0	16m	.45	0	7	A30	FL27	
27	IM5503CPE	256	1	0	BTX	80n	65n	625m	0.0	5.0	.80	2.0	16m	.45	0	7	A30	ML2g	
28	IM5503MDE	256	1	0	BTX	80n	65n	700m	0.0	5.0	.80	2.0	16m	.45	5	C	A30	ML1a	
29	IM5503MFE	256	1	0	BTX	80n	65n	700m	0.0	5.0	.80	2.0	16m	.45	5	C	A30	FL27	
30	IM5503MPE	256	1	0	BTX	80n	65n	700m	0.0	5.0	.80	2.0	16m	.45	5	C	A30	ML2g	
31	IM5523CDE	256	1	0	BTX	80n	65n	625m	0.0	5.0	.80	2.0	16m	.45	0	7	A30	ML1a	
32	IM5523CFE	256	1	0	BTX	80n	65n	625m	0.0	5.0	.80	2.0	16m	.45	0	7	A30	FL27	
33	IM5523CPE	256	1	0	BTX	80n	65n	625m	0.0	5.0	.80	2.0	16m	.45	0	7	A30	ML2g	
34	IM5523MDE	256	1	0	BTX	80n	65n	700m	0.0	5.0	.80	2.0	16m	.45	5	C	A30	ML1a	
35	IM5523MFE	256	1	0	BTX	80n	65n	700m	0.0	5.0	.80	2.0	16m	.45	5	C	A30	FL27	
36	IM5523MPE	256	1	0	BTX	80n	65n	700m	0.0	5.0	.80	2.0	16m	.45	5	C	A30	ML2g	
37	IM5533CDE	256	1	0	BTX	80n	65n	625m	0.0	5.0	.80	2.0	16m	.45	0	7	A30	ML1a	
38	IM5533CFE	256	1	0	BTX	80n	65n	625m	0.0	5.0	.80	2.0	16m	.45	0	7	A30	FL27	
39	IM5533CPE	256	1	0	BTX	80n	65n	625m	0.0	5.0	.80	2.0	16m	.45	0	7	A30	ML2g	
40	IM5533MDE	256	1	0	BTX	80n	65n	700m	0.0	5.0	.80	2.0	16m	.45	5	C	A30	ML1a	
41	IM5533MFE	256	1	0	BTX	80n	65n	700m	0.0	5.0	.80	2.0	16m	.45	5	C	A30	FL27	
42	IM5533MPE	256	1	0	BTX	80n	65n	700m	0.0	5.0	.80	2.0	16m	.45	5	C	A30	ML2g	
43	MM6510	256	1	0	BTX	85n	80n	425m	0.0	5.0	.85	2.0	10m	.45	0	7	A54	ML54	
44	RR5300L-PR	256	1	0	BTX	85n	65n	625m	0.0	5.0	.80	2.0	16m	.45	5	C	A123	FL14d	
45	RR5300MM-PR	256	1	0	BTX	85n	65n	625m	0.0	5.0	.80	2.0	16m	.45	5	C	A123	ML141	
46	RR5302MM-PR	256	1	0	BTX	85n	65n	625m	0.0	5.0	.80	2.0	16m	.45	0	7	A123	ML141	
47	RR5302MP-PR	256	1	0	BTX	85n	65n	625m	0.0	5.0	.80	2.0	16m	.45	0	7	A123	ML94c	
48	CM2150	256	1	0	BTX	90n	40n	2.5m	0.0	5.0	.80	2.0	10m	.40	0	8	A24		
49	93400DC	256	1	0	BTX	100n	80n	700m	0.0	5.0	.85	2.0	5.0m	.45	0	7	A50	ML15a	
50	MM6505	256	1	0	BTX	120n	80n	2.0m	0.0	5.0	.45		15m	.45	0	8	A53	ML55	
51#	GZQ101	256	1	0	BTX	130n	130n	20u	0.0	5.0	1.0	3.5	1.6m	.45	0	7	A106	ML4a	
52	93400BDC	256	1	0	BTX	200n	100n	700m	0.0	5.0	.85	2.0	5.0m	.45	0	7	A50	ML15a	
53#	GQD101	256	1	0	BTX	1.0u	200n	1.4m	14	13	3.0	11	600u	12	0	7	PN16e	ML78a	
54#	GQD106	256	1	0	BTX	1.0u	200n	1.4m	14	13	3.0	11	600u	12	4	8	PN16e	ML78a	
55	pMS256x1C	256	1	0	HXX	1.0u	400m	13	0.0	-2.0	-9.0			0	7				
56	SCL5553D	256	1	0	MCA	150n	200m	200m	0.0	12	2.5	9.0			5	C	A89	ML62a	
57	SCL5553F	256	1	0	MCA	150n	150n	200m	0.0	12	2.5	9.0			5	C	A89	FL5c	
58	SCL5553H	256	1	0	MCA	150n	150n	200m	0.0	12	2.5	9.0			5	C		CH7	
59	CD4061AD-PR	256	1	0	MCA	290n	500n	25u	0.0	5.0	0.10	4.99	1.6m	.40	5	C	A121	ML140	
60	IM6524A-11DN	256	1	0	MCG	135n	110n	1.1m	0.0	11	2.2	7.7	1.0u	0.0	4	8	A253	ML1a	
61	IM6524A-1MDN	256	1	0	MCG	135n	110n	1.1m	0.0	11	2.2	7.7	1.0u	0.0	5	C	A253	ML1a	
62	IM6524A1DN	256	1	0	MCG	190n	160n	5.5m	0.0	11	2.2	7.7	1.0u	0.0	4	8	A253	ML1a	
63	IM6524A1MDN	256	1	0	MCG	190n	160n	5.5m	0.0	11	2.2	7.7	1.0u	0.0	5	C	A253	ML1a	
64	IM6524CFE	256	1	0	MCG	250n	100n	5.0u	0.0	5.0	.80	3.0	1.0u	0.0	0	7	PN16g	FL14e	
65	IM6524CPE	256	1	0	MCG	250n	100n	5.0u	0.0	5.0	.80	3.0	1.0u	0.0	0	7	PN16g	ML89	
66	IM6524MFE	256	1	0	MCG	250n	100n	5.0u	0.0	5.0	.80	3.0	1.0u	0.0	5	C	PN16g	FL14e	
67	IM6524MPE	256	1	0	MCG	250n	100n	5.0u	0.0	5.0	.80	3.0	1.0u	0.0	5	C	PN16g	ML89	
68	IM6524-11DN	256	1	0	MCG	315n	200n	50u	0.0	5.0	.80	3.0	2.0m	.40	4	8	A253	ML1a	
69	IM6524-1MDN	256	1	0	MCG	315n	200n	50u	0.0	5.0	.80	3.0	2.0m	.40	5	C	A253	ML1a	
70	IM65241DN	256	1	0	MCG	455n	345n	250u	0.0	5.0	.80	3.0	2.0m	.40	4	8	A253	ML1a	
71	IM6524MDN	256	1	0	MCG	455n	345n	250u	0.0	5.0	.80	3.0	2.0m	.40	5	C	A253	ML1a	
72	IM6523CPE	256	1	0	MCG	800n	250n	10m	0.0	5.0	.80	3.0	1.0u	0.0	0	7	PN16g	ML89	
73	IM65231PE	256	1	0	MCG	800n	800n	30m	0.0	5.0	.80	3.0	2.0m	.45	4	8	PN16g	ML2g	
74	IM6523MDE	256	1	0	MCG	800n	800n	30m	0.0	5.0	.80	3.0	2.0m	.45	5	C	PN16g	ML1a	
75	A02	256	1	0	MCS	70n	105n	125m	7.0	5.0	.80	3.2			0	7	A116	ML1	
76	A5503	256	1	0	MCS	60n	120m	7.0	5.0	8.0	3.2	1.6m	0.0	0	7	A120	ML140a		
77	A5503FT	256	1	0	MCS	140n	100n	256m	7.0	5.0	8.0	3.2			5	C			
78	HD1-54C200	256	1	0	MCX	250n	80n	500n	0.0	10	2.0	8.0s	30m	10	5	C	A183	ML93c	
79	HD1-74C200	256	1	0	MCX	250n	80n	500n	0.0	10	2.0	8.0s	30m	10	4	8	A183	ML	

2. READ-WRITE MEMORIES (RAMS)

IN ORDER OF (1)No.WORDS(2)No.BITS/WORD
(3)MODE(4)STRUCT.(5)MAX ACC.TIME(6)TYPE No.

LINE No.	TYPE No.	ORGANIZATION		MODE	STRUCTURE	MAX ACCESS TIME (s)	MAX WRITE CYCLE TIME (s)	MAX OPER. POWER DISS. (W)	RATED POWER SUP. SPAN		INPUT LOGIC LEVELS		MIN OUTPUT SINK CURRENT		MIN. CLOCK FREQ. (Hz)	OPER. TEMP. RANGE CODE	DRAWINGS	
		1 No. WORDS	2 BITS PER WORD						NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)	(A)	@ OUT (V)			LOGIC/BLOCK	OUTLINE
1	IM7501CDE	256	1	S	MPG	1.5u	400n\$	600m	7.0	5.0	5.0	3.3	200u	3.5	0	7	A1	ML4b
2	IM7501MDE	256	1	S	MPG	1.5u	400n\$	500m	7.0	5.0	5.0	3.3	200u	3.5	0	5	C	A1
3	IM7512CDE	256	1	S	MPG	1.5u	400n\$	600m	7.0	5.0	5.0	3.3	200u	3.5	0	7	A1	ML4b
4 #	M58531P	256	1	S	MPG	1.5u	800n*	333m	9.0	5.0	5.0	3.0\$	2.0m	.45	1	7	A1	ML336
5 #	MF1101A#1	256	1	S	MPG	1.5u	800n*	700m	9.0	5.0	5.0	3.0#	2.0m	.45	0	8	A1	ML2a
6 #	MF1101A#2	256	1	S	MPG	1.5u	800n*	700m	9.0	5.0	5.0	3.0#	2.0m	.45	0	8	A1	ML10a
7	ML1101	256	1	S	MPG	1.5u	400n\$	2.0m	7.0	5.0	-2.0t	5.0t	3.0	.45	6	8	A1	ML10
8	MM1101AD	256	1	S	MPG	1.5u	800n*	700m	7.0	5.0	8.0	3.0\$	2.0m	.45	0	7	A102	ML177
9	MM1101AN	256	1	S	MPG	1.5u	800n*	700m	9.0	5.0	8.0	3.0\$	2.0m	.45	0	7	A102	ML178
10	MM1101D	256	1	S	MPG	1.5u	800n*	700m	9.0	5.0	8.0	3.0\$	2.0m	.45	0	7	A102	ML177
11	MM1101N	256	1	S	MPG	1.5u	800n*	700m	7.0	5.0	8.0	3.0\$	2.0m	.45	0	7	A102	ML178
12 #	MP1101	256	1	S	MPG	1.5u	800n	700m	7.0	5.0	4.5	3.5	2.0m	.45	0	7	A1	ML10
13	IM7512MDE	256	1	S	MPG	1.8u	400n\$	500m	7.0	5.0	5.0	3.3	200u	3.5	5	C	A1	ML4b
14	MK4007P	256	1	S	MPI	1.0u	700n*	250m	9.0	5.0	8.0	-2.0\$	3.2m	.40	0	7	A36	ML22
15	MCS2050	256	1	S	MPN	800n		300m	9.0	5.0	4.0	3.2	2.0m	.25	0	8	A85	ML22
16	GER11011	256	1	S	MPP	1.0u	700n	40m	10	5.0	4.5	3.5	3.0	.45	0	8	A1	ML4
17	GER1101	256	1	S	MPP	1.5u	700n	400m	10	5.0	4.5	3.5	3.0	.45	0	8	A1	ML4
18	MK4001P	256	1	S	MPX	50n	30n	250mt	18	0.0	-2.0	-1.6	10u	-1.6	5	8	A26	ML20
19	TMS4003JR	256	1	S	MPX	60n	30n\$	500m	18	0.0	-2.0	-1.6			5	8	A26	ML14a
20	TMS4003NC	256	1	S	MPX	60n	30n\$	500m	18	0.0	-2.0	-1.6			5	8	A26	ML80
21	TMS1101JC	256	1	S	MPX	750n	400n\$†	330m	0.0	5.0	6.0	3.5	1.6m	.40	2	8	A74	ML82
22	TMS1101NC	256	1	S	MPX	750n	400n\$†	330m	0.0	5.0	6.0	3.5	1.6m	.40	2	8	A74	ML48a
23	CM1101A1	256	1	S	MPX	1.0u	800n	300m	0.0	5.0	-4.5	-2.0	3.0m	.45	0	8	A21	ML21
24	CM1101	256	1	S	MPX	1.5u	400n\$	2.0m	7.0	5.0	4.5	3.5	3.0m	.45	6	8	A21	ML21
25	CM1101A	256	1	S	MPX	1.5u	800n	300m	0.0	5.0	-4.5	-2.0	3.0m	.45	0	8	A21	ML21
26	UA2512	256	2	S	MPA	1.0u	400n\$	1.0m	7.0	5.0	.80	2.4	3.2m	.40	5	C	A42	FL8
27	UA3512	256	2	S	MPA	1.0u	400n\$	1.0m	7.0	5.0	.80	2.4	3.2m	.40	2	7	A42	FL8
28	MCM93412DM	256	4		BTX	45n	40n\$	0.5 %†	0.5	5.5 #	0.8	2.1Δ	100uΔ	4.5	5	C	A478	ML386
29	MCM93422DM	256	4		BTX	45n	40n\$	0.5 %†	0.5	5.5 #	0.8	2.1\$	50u#	2.4	5	C	A478	ML386
30	MCM93422FM	256	4		BTX	45n	40n\$	0.5 %†	0.5	5.5 #	0.8	2.1\$	50u#	2.4	5	C	A478	FL72
31	CDP1822SD	256	4		MCS	150n†		35mt	0.0	10.0	3.0	7.0	1.8mt	9.5	2	8	PN22a	ML21
32	CDP1822SCD	256	4		MCS	250n†		10mt	0.0	6.0	1.8	4.2	800ut	.50	2	8	PN22e	ML21
33	MW4101DV2	256	4		MNX	250n	300n	125mt	0.0	5.0	6.0	2.4	3.2m	.40	0	7	PN22d	ML21
34	MW4111DV2	256	4		MNX	250n		125mt	0.0	5.0	6.0	2.4	3.2m	.40	0	7	PN18c	ML21
35	MW4112DV2	256	4		MNX	250n		125mt	0.0	5.0	6.0	2.4	3.2m	.40	0	7	PN16i	ML21
36	MW4101DV1	256	4		MNX	300n	350n	125mt	0.0	5.0	6.0	2.4	3.2m	.40	0	7	PN22d	ML21
37	MW4111DV1	256	4		MNX	300n		125mt	0.0	5.0	6.0	2.4	3.2m	.40	0	7	PN18c	ML21
38	MW4112DV1	256	4		MNX	300n		125mt	0.0	5.0	6.0	2.4	3.2m	.40	0	7	PN16i	ML21
39	MW4101D	256	4		MNX	400n	400n	125mt	0.0	5.0	6.0	2.4	3.2m	.40	0	7	PN22d	ML21
40	MW4111D	256	4		MNX	400n		125mt	0.0	5.0	6.0	2.4	3.2m	.40	0	7	PN18c	ML21
41	MW4112D	256	4		MNX	400n		125mt	0.0	5.0	6.0	2.4	3.2m	.40	0	7	PN16i	ML21
42 #	TKF10432	256	4	D	MPX	1.8u		330m	12	5.0	-1.2	3.5			0	7		
43	IM5543CDE	256	4	S	BTX	40n	45n	600m	0.0	5.0	.80	2.0	16m	.45	0	7	A30	ML1
44	IM5553CDE	256	4	S	BTX	40n	45n	600m	0.0	5.0	.80	2.0	16m	.45	0	7	A30	ML1
45	IM5563CDE	256	4	S	BTX	40n	45n	600m	0.0	5.0	.80	2.0	16m	.45	0	7	A30	ML1
46	RAM18A#4	256\$	4	S	BTX	180n	200n	2.2 t	5.0	5.0	.80	2.0	20m	.40	1	8	A58	PL3
47	RAM218A#4	256\$	4	S	BTX	180n	155n*	2.2 t	5.0	5.0	.80	2.0	30m	.40	1	8	A58a	PL3
48	HM1-6501D5	256	4	S	MCG			4.0m	0.0	5.0	.80	3.0\$	2.0m	.40	0	7	A257	ML8h
49	HM1-6551D5	256	4	S	MCG			4.0m	0.0	5.0	.80	3.0\$	2.0m	.40	0	7	A259	ML8h
50	HM1-6561D5	256	4	S	MCG			4.0m	0.0	5.0	.80	3.0\$	2.0m	.40	0	7	A260	ML115b
51	HM1-6562D5	256	4	S	MCG			4.0m	0.0	5.0	.80	3.0	2.0m	.40	0	7	A261	ML223
52	HM1-6501B2	256	4	S	MCG	170n	240n*	50u	0.0	5.0	.80	3.0\$	3.2m	.40	5	C	A399	ML306
53	HM1-6501B9	256	4	S	MCG	170n	240n*	50u	0.0	5.0	.80	3.0\$	3.2m	.40	4	8	A399	ML306
54	HM1-6551B2	256	4	S	MCG	170n	240n*	50u	0.0	5.0	.80	3.0\$	3.2m	.40	5	C	A408	ML306
55	HM1-6551B9	256	4	S	MCG	170n	240n*	50u	0.0	5.0	.80	3.0\$	3.2m	.40	4	8	A408	ML306
56	HM1-6561B2	256	4	S	MCG	170n	230n*	50u	0.0	5.0	.80	3.0\$	3.2m	.40	5	C	A409	ML304
57	HM1-6561B9	256	4	S	MCG	170n	230n*	50u	0.0	5.0	.80	3.0\$	3.2m	.40	4	8	A409	ML304
58	HM1-6562B2	256	4	S	MCG	170n	240n*	50u	0.0	5.0	.80	3.0\$	3.2m	.40	5	C	A410	ML223
59	HM1-6562B9	256	4	S	MCG	170n	240n*	50u	0.0	5.0	.80	3.0\$	3.2m	.40	4	8	A410	ML223
60	HM3-6501B2	256	4	S	MCG	170n	240n*	50u	0.0	5.0	.80	3.0\$	3.2m	.40	5	C	A399	ML307
61	HM3-6501B9	256	4	S	MCG	170n	240*	50u	0.0	5.0	.80	3.0\$	3.2m	.40	4	8	A399	ML307
62	HM3-6551B2	256	4	S	MCG	170n	240n*	50u	0.0	5.0	.80	3.0\$	3.2m	.40	5	C	A408	ML307
63	HM3-6551B9	256	4	S	MCG	170n	240n*	50u	0.0	5.0	.80	3.0\$	3.2m	.40	4	8	A408	ML307
64	HM3-6561B2	256	4	S	MCG	170n	230n*	50u	0.0	5.0	.80	3.0\$	3.2m	.40	5	C	A409	ML305
65	HM3-6561B9	256	4	S	MCG	170n	230n*	50u	0.0	5.0	.80	3.0\$	3.2m	.40	4	8	A409	ML305
66	HM3-6562B2	256	4	S	MCG	170n	240n*	50u	0.0	5.0	.80	3.0\$	3.2m	.40	5	C	A410	ML313
67	HM3-6562B9	256	4	S	MCG	170n	240n*	50u	0.0	5.0	.80	3.0\$	3.2m	.40	4	8	A410	ML313
68	HM9-6501B2	256	4	S	MCG	170n	240*	50u	0.0	5.0	.80	3.0\$	3.2m	.40	5	C	A399	FL57
69	HM9-6501B9	256	4	S	MCG	170n	240*	50u	0.0	5.0	.80	3.0\$	3.2m	.40	4	8	A399	FL57
70	HM9-6551B2	256	4	S	MCG	170n	240n*	50u	0.0	5.0	.80	3.0\$	3.2m	.40	5	C	A408	FL57
71	HM9-6551B9	256	4	S	MCG	170n	240n*	50u	0.0	5.0	.80	3.0\$	3.2m	.40	4	8	A408	FL57
72	HM9-6561B2	256	4	S	MCG	170n	230n*	50u	0.0	5.0	.80	3.0\$	3.2m	.40	5	C	A409	FL52
73	HM9-6561B9	256	4	S	MCG	170n	230n*	50u	0.0	5.0	.80	3.0\$	3.2m	.40	4	8	A409	FL52
74	HM9-6562B2	256	4	S	MCG	170n	240n*	50u	0.0	5.0	.80	3.0\$	3.2m	.40	5	C	A410	FL54
75	HM9-6562B9	256	4	S	MCG	170n	240n*	50u	0.0	5.0	.80	3.0\$	3.2m	.40	4	8	A410	FL54
76	HM3-6501-2	256	4	S	MCG	240n	310n*	50u	0.0	5.0	.80	3.0\$	3.2m	.40	5	C	A399	ML307
77	HM3-6551-2	256	4	S	MCG	240n	270n*	50u	0.0	5.0	.80	3.0\$	3.2m	.40	5	C	A408	ML307
78	HM3-6561-2	256	4	S	MCG	240n	310n*	50u	0.0	5.0	.80	3.0\$	3.2m	.40	5	C	A409	ML305
79	HM3-6562-2	256	4	S	MCG	240n	310n*	50u	0.0	5.0								

2. READ-WRITE MEMORIES (RAMS)

IN ORDER OF (1)No.WORDS(2)No.BITS/WORD
(3)MODE(4)STRUCT.(5)MAX ACC.TIME(6)TYPE No.

MEMORY

LINE No.	TYPE No.	ORGANIZATION		MODE	STRUCTURE CODE	MAX ACCESS TIME (s)	MAX WRITE CYCLE TIME (s)	MAX OPER. POWER (W)	RATED POWER SUP. SPAN		INPUT LOGIC LEVELS		MIN OUTPUT SINK CURRENT		MCLK FREQ. (Hz)	OPER. TEMP. RANGE CODE	DRAWINGS	
		1 No. WORDS	2 BITS PER WORD						NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)	(A)	@ OUT (V)			LOGIC/ BLOCK	OUTLINE
1	IM6561-IDN	256	4	S	MCG	480n	270n\$	500u	0.0	5.0	.80	3.0	2.0m	.45		4	A298	ML134f
2	IM6561-MDN	256	4	S	MCG	480n	270n\$	500u	0.0	5.0	.80	3.0	2.0m	.45		5	A298	ML134f
3	C5101	256	4	S	MCG	650n	650n*	142m	0.0	5.0	.65	2.25	2.0m	.40		0	A196	ML8d
4	C5101-3	256	4	S	MCG	650n	650n*	142m	0.0	5.0	.65	2.25	2.0m	.40		0	A196	ML8d
5	C5101L3	256	4	S	MCG	650n	650n*	142m	0.0	5.0	.65	2.25	2.0m	.40		0	A196	ML8d
6	HM435101P	256	4	S	MCG	650n	650n*	1.0	0.0	5.0	.65	2.25	2.0m	.40		0	A267a	ML212d
7	HM435101VP	256	4	S	MCG	650n	650n*	1.0	0.0	5.0	.65	2.25	2.0m	.40		2	A267a	ML212d
8	P5101	256	4	S	MCG	650n	650n*	142m	0.0	5.0	.65	2.25	2.0m	.40		0	A196	ML8e
9	P5101-3	256	4	S	MCG	650n	650n*	142m	0.0	5.0	.65	2.25	2.0m	.40		0	A196	ML8e
10	P5101L3	256	4	S	MCG	650n	650n*	142m	0.0	5.0	.65	2.25	2.0m	.40		0	A196	ML8e
11	S5101-1C	256	4	S	MCG	650n	650n*	110mt	0.0	5.0	.65	2.25	2.0m	.40		0	A196	ML77c
12	S5101-2C	256	4	S	MCG	650n	650n*	110mt	0.0	5.0	.65	2.25	2.0m	.40		0	A196	ML77d
13	S5101L3-1C	256	4	S	MCG	650n	650n*	110mt	0.0	5.0	.65	2.25	2.0m	.40		0	A196	ML77c
14	S5101L3-2C	256	4	S	MCG	650n	650n*	110mt	0.0	5.0	.65	2.25	2.0m	.40		0	A196	ML77d
15	S5101L-1C	256	4	S	MCG	650n	650n*	110mt	0.0	5.0	.65	2.25	2.0m	.40		0	A196	ML77c
16	S51013-1C	256	4	S	MCG	650n	650n*	110mt	0.0	5.0	.65	2.25	2.0m	.40		0	A196	ML77c
17	S51013-2C	256	4	S	MCG	650n	650n*	110mt	0.0	5.0	.65	2.25	2.0m	.40		0	A196	ML77d
18	C5101-8	256	4	S	MCG	800n	800n*	1.0	0.0	5.0	.65	2.25	2.0m	.40		0	A267	ML8d
19	P5101-8	256	4	S	MCG	800n	800n*	1.0	0.0	5.0	.65	2.25	2.0m	.40		0	A267	ML230
20	S51018-1C	256	4	S	MCG	800n	800n*	110mt	0.0	5.0	.65	2.25	2.0m	.40		0	A196	ML77c
21	S51018-2C	256	4	S	MCG	800n	800n*	110mt	0.0	5.0	.65	2.25	2.0m	.40		0	A196	ML77d
22	SYCS101L-1	256	4	S	MCI	450n	450n*	1.0	0.0	5.0	.65	2.25	2.0m	.40		0	A196	ML162a
23	SYPS101L-1	256	4	S	MCI	450n	450n*	1.0	0.0	5.0	.65	2.25	2.0m	.40		0	A196	ML230
24	SYCS101L-3	256	4	S	MCI	650n	650n*	1.0	0.0	5.0	.65	2.25	2.0m	.40		0	A196	ML162a
25	SYPS101L	256	4	S	MCI	650n	650n*	1.0	0.0	5.0	.65	2.25	2.0m	.40		0	A196	ML230
26	SYPS101L-3	256	4	S	MCI	650n	650n*	1.0	0.0	5.0	.65	2.25	2.0m	.40		0	A196	ML230
27	SYCS101-8	256	4	S	MCI	800n	800n*	1.0	0.0	5.0	.65	2.25	2.0m	.40		0	A196	ML162a
28	SYPS101-8	256	4	S	MCI	800n	800n*	1.0	0.0	5.0	.65	2.25	2.0m	.40		0	A196	ML230
29	MWS5540D	256	4	S	MCS	90nt	90nt	5.0m	0.0	10	.10%	9.9	4.0m	.40		4	A252	ML8s
30	MWS5540H	256	4	S	MCS	90nt	90nt	5.0m	0.0	10	.10%	9.9	4.0m	.40		4	A252	CHZ
31	MWS5040D	256	4	S	MCS	150nt	150nt	5.0m	0.0	5.0	.10%	4.9	4.0m	.40		4	A252	ML8s
32	MWS5040H	256	4	S	MCS	150nt	150nt	5.0m	0.0	5.0	.10%	4.9	4.0m	.40		4	A252	CHZ
33	CDP1822DL1	256	4	S	MCX	250n	250n	500u	0.0	10	2.0	8.0	9.0m	.50		0	PN22e	ML8s
34	CDP1822DL3	256	4	S	MCX	250n	250n	2.0m	0.0	10	2.0	8.0	9.0m	.50		0	PN22e	ML8s
35	CDP1822DL8	256	4	S	MCX	250n	250n	5.0m	0.0	10	2.0	8.0	9.0m	.50		0	PN22e	ML8s
36	M58480P	256	4	S	MCX	300n	300n	75m	0.0	5.0	.60	2.2	2.4m	.40		0		
37	uPD5101LC1	256	4	S	MCX	450n	450n*	135m	0.0	5.0	.65	2.25	2.0m	.40		0	A267	ML197a
38	MSM573A	256	4	S	MCX	650n	850n*	50m	0.0	5.0	.80	3.65	1.6m	.40		2	A346	ML8a
39	uPD5101CE	256	4	S	MCX	800n	800n*	135m	0.0	5.0	.65	2.25	2.0m	.40		0	A267	ML197a
40	uPD5101E	256	4	S	MCX	800n	800n*	135m	0.0	5.0	.65	2.25	2.0m	.40		0	A267	ML
41	HEF4721	256	4	S	MCX	650	650	65m	0.0	5.0	.65	2.25	2.0m	.40		0		
42	MW7040D	256	4	S	MNA	200nt	350nt	650m	5.0	12	.80	3.05				0	A250	ML8s
43	Am91L01ADC	256	4	S	MNG		500nΔ*	155m	0.0	5.0	.80	2.0				0		
44	Am91L01ADM	256	4	S	MNG		500nΔ*	155m	0.0	5.0	.80	2.0				5	C	
45	Am91L01AFM	256	4	S	MNG		500nΔ*	155m	0.0	5.0	.80	2.0				5	C	
46	Am91L01APC	256	4	S	MNG		500nΔ*	155m	0.0	5.0	.80	2.0				0		
47	Am91L01BDC	256	4	S	MNG		400nΔ*	155m	0.0	5.0	.80	2.0				0		
48	Am91L01BDM	256	4	S	MNG		400nΔ*	155m	0.0	5.0	.80	2.0				5	C	
49	Am91L01BFM	256	4	S	MNG		400nΔ*	155m	0.0	5.0	.80	2.0				5	C	
50	Am91L01BPC	256	4	S	MNG		400nΔ*	155m	0.0	5.0	.80	2.0				0		
51	Am91L01CDC	256	4	S	MNG		300nΔ*	170m	0.0	5.0	.80	2.0				0		
52	Am91L01CDM	256	4	S	MNG		300nΔ*	170m	0.0	5.0	.80	2.0				5	C	
53	Am91L01CPC	256	4	S	MNG		300nΔ*	170m	0.0	5.0	.80	2.0				0		
54	Am91L11ADC	256	4	S	MNG		500nΔ*	155m	0.0	5.0	.80	2.0				0		
55	Am91L11ADM	256	4	S	MNG		500nΔ*	155m	0.0	5.0	.80	2.0				5	C	
56	Am91L11AFM	256	4	S	MNG		500nΔ*	155m	0.0	5.0	.80	2.0				5	C	
57	Am91L11APC	256	4	S	MNG		500nΔ*	155m	0.0	5.0	.80	2.0				0		
58	Am91L11BDC	256	4	S	MNG		400nΔ*	155m	0.0	5.0	.80	2.0				0		
59	Am91L11BDM	256	4	S	MNG		400nΔ*	155m	0.0	5.0	.80	2.0				5	C	
60	Am91L11BFM	256	4	S	MNG		400nΔ*	155m	0.0	5.0	.80	2.0				5	C	
61	Am91L11BPC	256	4	S	MNG		400nΔ*	155m	0.0	5.0	.80	2.0				0		
62	Am91L11CDC	256	4	S	MNG		300nΔ*	170m	0.0	5.0	.80	2.0				0		
63	Am91L11CDM	256	4	S	MNG		300nΔ*	170m	0.0	5.0	.80	2.0				5	C	
64	Am91L11CPC	256	4	S	MNG		300nΔ*	170m	0.0	5.0	.80	2.0				0		
65	Am91L12ADC	256	4	S	MNG		500nΔ*	175m	0.0	5.0	.80	2.0				0		
66	Am91L12ADM	256	4	S	MNG		500nΔ*	175m	0.0	5.0	.80	2.0				5	C	
67	Am91L12AFM	256	4	S	MNG		500nΔ*	175m	0.0	5.0	.80	2.0				C		
68	Am91L12APC	256	4	S	MNG		500nΔ*	175m	0.0	5.0	.80	2.0				0		
69	Am91L12BDC	256	4	S	MNG		400nΔ*	175m	0.0	5.0	.80	2.0				0		
70	Am91L12BDM	256	4	S	MNG		400nΔ*	175m	0.0	5.0	.80	2.0				5	C	
71	Am91L12BFM	256	4	S	MNG		400nΔ*	175m	0.0	5.0	.80	2.0				5	C	
72	Am91L12BPC	256	4	S	MNG		400nΔ*	175m	0.0	5.0	.80	2.0				0		
73	Am91L12CDC	256	4	S	MNG		300nΔ*	175m	0.0	5.0	.80	2.0				0		
74	Am91L12CDM	256	4	S	MNG		300nΔ*	175m	0.0	5.0	.80	2.0				5	C	
75	Am91L12CPC	256	4	S	MNG		300nΔ*	175m	0.0	5.0	.80	2.0				0		
76	Am9101ADC	256	4	S	MNG		500nΔ*	155m	0.0	5.0	.80	2.0				0		
77	Am9101ADM	256	4	S	MNG		500nΔ*	155m	0.0	5.0	.80	2.0				5	C	
78	Am9101AFM	256	4	S	MNG		500nΔ*	155m	0.0	5.0	.80	2.0				5	C	
79	Am9101APC	256	4	S	MNG		500nΔ*	155m	0.0	5.0	.80	2.0				0		
80	Am9101BDC	256	4	S	MNG		400nΔ*	155m	0.0	5.0	.80	2.0				0		
81	Am9101BDM	256	4	S	MNG		400nΔ*	155m	0.0	5.0	.80	2.0				5	C	
82	Am9101BFM	256	4	S	MNG		400nΔ*	155m	0.0	5.0	.80	2.0				5	C	
83	Am9101BPC	256	4	S	MNG		400nΔ*	155m	0.0	5.0	.80	2.0				0		
84	Am9101CDC	256	4	S	MNG		300nΔ*	275m	0.0	5.0	.80	2.0				0		
85	Am9101CDM	256	4	S														

2. READ-WRITE MEMORIES (RAMS)

IN ORDER OF (1)No.WORDS(2)No.BITS/WORD
(3)MODE(4)STRUCT.(5)MAX ACC.TIME(6)TYPE No.

LINE No.	TYPE No.	ORGANIZATION		3	4	5	MAX WRITE CYCLE TIME (s)	MAX OPER. POWER DISS. (W)	RATED POWER SUP. SPAN		INPUT LOGIC LEVELS		MIN OUTPUT SINK CURRENT		MIN CLOCK FREQ. (Hz)	OPER. TEMP. RANGE CODE	DRAWINGS					
		1	2						M	S	T	MAX ACCESS TIME (s)	NEG. (V)	POS. (V)			MAX '0' (V)	MIN '1' (V)	@ (A)	OUT (V)	LOGIC/BLOCK	OUTLINE
1	Am9112BPC	256	4	S	MNG	400nΔ*	290m	0.0	5.0	0.0	8.0	2.0										
2	Am9112CDC	256	4	S	MNG	300nΔ*	290m	0.0	5.0	0.0	8.0	2.0										
3	Am9112CDM	256	4	S	MNG	300nΔ*	290m	0.0	5.0	0.0	8.0	2.0										
4	Am9112CPC	256	4	S	MNG	300nΔ*	290m	0.0	5.0	0.0	8.0	2.0										
5	Am9112DDC	256	4	S	MNG	250nΔ*	290m	0.0	5.0	0.0	8.0	2.0										
6	Am9112DPC	256	4	S	MNG	250nΔ*	290m	0.0	5.0	0.0	8.0	2.0										
7	Am9112EDC	256	4	S	MNG	200nΔ*	290m	0.0	5.0	0.0	8.0	2.0										
8	Am9112EPC	256	4	S	MNG	200nΔ*	290m	0.0	5.0	0.0	8.0	2.0										
9	C2101A2	256	4	S	MNG	250n	170n	1.0	5.0	0.0	8.0	2.0	2.0m	.45			A196	ML162a				
10	D2111A2	256	4	S	MNG	250n	170n*	1.0	5.0	0.0	8.0	2.0	2.0m	.45			A200	ML231				
11#	MB8101E	256	4	S	MNG	250n	170n	1.0	5.0	0.0	8.0	2.0	2.0m	.45			A196	ML204				
12#	MB8111E	256	4	S	MNG	250n	170n	1.0	5.0	0.0	8.0	2.0	2.0m	.45			A200	ML134b				
13#	MB8112E	256	4	S	MNG	250n	200n	1.0	5.0	0.0	8.0	2.0	2.0m	.45			A240	ML1m				
14	MM2112AJ-2	256	4	S	MNG	250n	320n*	250m	0.0	5.0	6.5	2.0	3.2m	.40			A240	ML127f				
15	MM2112AN-2	256	4	S	MNG	250n	320n*	250m	0.0	5.0	6.5	2.0	3.2m	.40			A240	ML178				
16	P2101A2	256	4	S	MNG	250n	170n*	1.0	5.0	0.0	8.0	2.0	2.0m	.45			A196	ML230				
17	P2111A2	256	4	S	MNG	250n	170n*	1.0	5.0	0.0	8.0	2.0	2.0m	.45			A200	ML3				
18	P2112A2	256	4	S	MNG	250n	200n*	1.0	5.0	0.0	8.0	2.0	2.0m	.45			A201	ML89a				
19	MM2112AJ	256	4	S	MNG	350n	470n*	250m	0.0	5.0	6.5	2.0	3.2m	.40			A240	ML127f				
20	MM2112AJ-L	256	4	S	MNG	350n	470n*	195m	0.0	5.0	6.5	2.0	3.2m	.40			A240	ML127f				
21	MM2112AN	256	4	S	MNG	350n	470n*	250m	0.0	5.0	6.5	2.0	3.2m	.40			A240	ML178				
22	MM2112AN-L	256	4	S	MNG	350n	470n*	195m	0.0	5.0	6.5	2.0	3.2m	.40			A240	ML178				
23	C2101A4	256	4	S	MNG	450n	270n	1.0	5.0	0.0	8.0	2.0	2.0m	.45			A196	ML162a				
24	D2111A4	256	4	S	MNG	450n	270n*	1.0	5.0	0.0	8.0	2.0	2.0m	.45			A200	ML231				
25#	M58721S	256	4	S	MNG	450n	350n*	315m	0.0	5.0	8.0	2.2	3.5m	.45			A196	ML339				
26#	M58722S	256	4	S	MNG	450n	350n*	315m	0.0	5.0	8.0	2.2	3.5m	.45			A200	ML				
27#	M58723S	256	4	S	MNG	450n	350n*	315m	0.0	5.0	8.0	2.2	3.5m	.45			A240	ML337				
28#	MB8101N	256	4	S	MNG	450n	450n	1.0	5.0	0.0	6.5	2.2	2.0m	.45			A196	ML204				
29#	MB8111N	256	4	S	MNG	450n	450n	1.0	5.0	0.0	6.5	2.2	2.0m	.45			A200	ML134b				
30#	MB8112N	256	4	S	MNG	450n	450n	1.0	5.0	0.0	6.5	2.2	2.0m	.45			A240	ML1m				
31	MM2112AJ-4	256	4	S	MNG	450n	580n*	250m	0.0	5.0	6.5	2.0	3.2m	.40			A240	ML127f				
32	MM2112AJ-4L	256	4	S	MNG	450n	580n*	195m	0.0	5.0	6.5	2.0	3.2m	.40			A240	ML127f				
33	MM2112AN-4	256	4	S	MNG	450n	580n*	250m	0.0	5.0	6.5	2.0	3.2m	.40			A240	ML178				
34	MM2112AN-4L	256	4	S	MNG	450n	580n*	195m	0.0	5.0	6.5	2.0	3.2m	.40			A240	ML178				
35	P2101A4	256	4	S	MNG	450n	270n*	1.0	5.0	0.0	8.0	2.0	2.0m	.45			A196	ML230				
36	P2111A4	256	4	S	MNG	450n	270n*	1.0	5.0	0.0	8.0	2.0	2.0m	.45			A200	ML3				
37	P2112A4	256	4	S	MNG	450n	320n*	1.0	5.0	0.0	8.0	2.0	2.0m	.45			A201	ML89a				
38	TMS4039-2/2101-1JL	256	4	S	MNG	450n	450n*	175m	0.0	5.0	6.5	2.2	2.0m	.45			A238	ML8n				
39	TMS4039-2/2101-1NL	256	4	S	MNG	450n	450n*	175m	0.0	5.0	6.5	2.2	2.0m	.45			A238	ML197a				
40	TMS4042-2/2111-1JL	256	4	S	MNG	450n	450n*	175m	0.0	5.0	6.5	2.2	2.0m	.45			A239	ML210				
41	TMS4042-2/2111-1NL	256	4	S	MNG	450n	450n*	175m	0.0	5.0	6.5	2.2	2.0m	.45			A239	ML3b				
42	TMS4043-2JL	256	4	S	MNG	450n	450n*	175m	0.0	5.0	6.5	2.2	2.0m	.45			A240	ML206				
43	TMS4043-2NL	256	4	S	MNG	450n	450n*	175m	0.0	5.0	6.5	2.2	2.0m	.45			A240	ML209				
44	D2101-1	256	4	S	MNG	500n	500n*	1.0	5.0	0.0	6.5	2.2	2.0m	.45			A196	ML229				
45	D2111-1	256	4	S	MNG	500n	500n*	1.0	5.0	0.0	6.5	2.2	2.0m	.45			A200	ML194				
46	MM2101-1D	256	4	S	MNG	500n	500n*	300m	0.0	5.0	6.5	2.2	2.0m	.45			A196	ML8g				
47	MM2101-1N	256	4	S	MNG	500n	500n*	300m	0.0	5.0	6.5	2.2	2.0m	.45			A196	ML197				
48	MM2111-1D	256	4	S	MNG	500n	500n*	300m	0.0	5.0	6.5	2.2	2.0m	.45			A200	ML115a				
49	MM2111-1N	256	4	S	MNG	500n	500n*	300m	0.0	5.0	6.5	2.2	2.0m	.45			A200	ML196				
50	D2101-2	256	4	S	MNG	650n	650n*	1.0	5.0	0.0	6.5	2.2	2.0m	.45			A196	ML229				
51	D2111-2	256	4	S	MNG	650n	650n*	1.0	5.0	0.0	6.5	2.2	2.0m	.45			A200	ML194				
52	D2112-2	256	4	S	MNG	650n	650n*	1.0	5.0	0.0	6.5	2.2	2.0m	.45			A201	ML127a				
53	MM2101-2D	256	4	S	MNG	650n	650n*	300m	0.0	5.0	6.5	2.2	2.0m	.45			A196	ML8g				
54	MM2101-2N	256	4	S	MNG	650n	650n*	300m	0.0	5.0	6.5	2.2	2.0m	.45			A196	ML197				
55	MM2111-2D	256	4	S	MNG	650n	650n*	300m	0.0	5.0	6.5	2.2	2.0m	.45			A200	ML115a				
56	MM2111-2N	256	4	S	MNG	650n	650n*	300m	0.0	5.0	6.5	2.2	2.0m	.45			A200	ML196				
57	MM2112AJ-6	256	4	S	MNG	650n	680n*	250m	0.0	5.0	6.5	2.0	3.2m	.40			A240	ML127f				
58	MM2112AJ-6L	256	4	S	MNG	650n	680n*	195m	0.0	5.0	6.5	2.0	3.2m	.40			A240	ML127f				
59	MM2112AN-6	256	4	S	MNG	650n	680n*	250m	0.0	5.0	6.5	2.0	3.2m	.40			A240	ML178				
60	MM2112AN-6L	256	4	S	MNG	650n	680n*	195m	0.0	5.0	6.5	2.0	3.2m	.40			A240	ML178				
61	TMS4039-1/2101-2JL	256	4	S	MNG	650n	650n*	175m	0.0	5.0	6.5	2.2	2.0m	.45			A238	ML8n				
62	TMS4039-1/2101-2NL	256	4	S	MNG	650n	650n*	175m	0.0	5.0	6.5	2.2	2.0m	.45			A238	ML197a				
63	TMS4042-1/2111-2JL	256	4	S	MNG	650n	650n*	175m	0.0	5.0	6.5	2.2	2.0m	.45			A239	ML210				
64	TMS4042-1/2111-2NL	256	4	S	MNG	650n	650n*	175m	0.0	5.0	6.5	2.2	2.0m	.45			A239	ML3b				
65	TMS4043-1/2112-2JL	256	4	S	MNG	650n	650n*	175m	0.0	5.0	6.5	2.2	2.0m	.45			A240	ML206				
66	TMS4043-1/2112-2NL	256	4	S	MNG	650n	650n*	175m	0.0	5.0	6.5	2.2	2.0m	.45			A240	ML206				
67	D2101	256	4	S	MNG	1.0u	1.0u*	1.0	5.0	0.0	6.5	2.2	2.0m	.45			A240	ML209				
68	D2111	256	4	S	MNG	1.0u	1.0u*	1.0	5.0	0.0	6.5	2.2	2.0m	.45			A196	ML229				
69	D2112	256	4	S	MNG	1.0u	1.0u*	1.0	5.0	0.0	6.5	2.2	2.0m	.45			A200	ML194				
70	MM2101D	256	4	S	MNG	1.0u	1.0u*	300m	0.0	5.0	6.5	2.2	2.0m	.45			A201	ML127a				
71	MM2101N	256	4	S	MNG	1.0u	1.0u*	300m	0.0	5.0	6.5	2.2	2.0m	.45			A196	ML8g				
72	MM2111D	256	4	S	MNG	1.0u	1.0u*	300m	0.0	5.0	6.5	2.2	2.0m	.45			A196	ML197				
73	MM2111N	256	4	S	MNG	1.0u	1.0u*	300m	0.0	5.0	6.5	2.2	2.0m	.45			A200	ML115a				
74	MM5269D	256	4	S	MNG	1.0u	1.0u*	350m	0.0	5.0	6.5	2.2	2.0m	.45			A200	ML196				
75	MM5269N	256	4	S	MNG	1.0u	1.0u*	350m	0.0	5.0	6.5	2.2	2.0m	.45			A206	ML197				
76	TMS4039/2101JL	256	4	S	MNG	1.0u	1.0u*	175m	0.0	5.0	6.5	2.2	2.0m	.45			A238	ML8n				
77	TMS4039/2101NL	256	4	S	MNG	1.0u	1.0u*	175m	0.0	5.0	6.5	2.2	2.0m	.45			A238	ML197a				
78	TMS4042/2111JL	256	4	S	MNG	1.0u	1.0u*	175m	0.0	5.0	6.5	2.2	2.0m	.45			A239	ML210				
79	TMS4042/2111NL	256	4	S	MNG	1.0u	1.0u*	175m	0.0	5.0	6.5	2.2	2.0m	.45			A239	ML210				
80	TMS4043/2112JL	256	4	S	MNG	1.0u	1.0u*	175m														

2. READ-WRITE MEMORIES (RAMS)

IN ORDER OF (1)No.WORDS(2)No.BITS/WORD
(3)MODE(4)STRUCT.(5)MAX ACC.TIME(6)TYPE No.

MEMORY

LINE No.	TYPE No.	ORGANIZATION			MAX ACCESS TIME (s)	MAX WRITE CYCLE TIME (s)	MAX OPER. POWER DISS. (W)	RATED POWER SUP.		INPUT LOGIC LEVELS		MIN OUTPUT SINK CURRENT		MIN CLOCK FREQ. (Hz)	OPER. TEMP. RANGE CODE	DRAWINGS		
		1 No. WORDS	2 BITS PER WORD	3 MODE				4 STRUCTURE CODE	NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)	(A)			@ OUT (V)	LOGIC/ BLOCK	OUTLINE
1	3539-1CP	256	8	S	MNX	400n	150n\$	394m	0.0	5.0	.65	2.2	1.6m	.40	0	7	A315	ML212f
2	3539B	256	8	S	MNX	400n	350n	375m	0.0	5.0	.80	2.4	1.6m	.40	0	7		
3	3539-2CD	256	8	S	MNX	500n	175n\$	394m	0.0	5.0	.65	2.2	1.6m	.40	0	7	A315	ML229
4	3539-2CP	256	8	S	MNX	500n	175n\$	394m	0.0	5.0	.65	2.2	1.6m	.40	0	7	A315	ML212f
5	3539A	256	8	S	MNX	500n	375n	375m	0.0	5.0	.80	2.4	1.6m	.40	0	7		
6	3539U	256	8	S	MNX	650n	400n	375m	0.0	5.0	.80	2.4	1.6m	.40	0	7		
7	3539UCD	256	8	S	MNX	650n	225n\$	1.6	0.0	5.0	.80	2.4\$	1.6m	.40	0	7	A315a	ML229
8	3539UCP	256	8	S	MNX	650n	225n\$	1.6	0.0	5.0	.80	2.4\$	1.6m	.40	0	7	A315a	ML230
9	SMA1001	256	8	S	MXN	25n†	50n\$†	1.0	0.0	12	10*	.40#			0	7	A64	ML74
10	O8C51	256	9	S	BEX	40n	80n	3.4	5.2	0.0	-1.5	-.90	22m#	1.8	1	5		PL5
11	15C40	256	9	S	BTX	125n	150n	22	0.0	5.0	.80†	2.0†	15m#	5.0	1	5		PL5a
12	RAM125-29A	256	9	S	BTX	125n	130n*∅	4.7	5.0	5.0	.80	2.0	30m		1	8	A58a	PL3
13	RAM29A	256	9	S	BTX	180n	200n	3.4	5.0	5.0	.80	2.0	20m	.40	1	8	A58a	PL3
14	RAM229A	256	9	S	BTX	180n	155n*∅	3.4	5.0	5.0	.80	2.0	30m		1	8	A58a	PL3
15	RAM329A	256	9	S	BTX	300n	300n*∅	3.4	5.0	5.0	.80	2.0	30m		1	5	A58a	PL3
16	ASM30#1	256\$	9	S	MXX	300n	300n	35	0.0	5.0	.60	2.5	16m	.40	0	5		
17	ASM10#1	256\$	9	S	MXX	1.9u	1.4u	6.8	8.0	5.0	.80	2.0	16m	.40	0	5		
18	RAM125-32D	256	12	S	BTX	125n	130n*∅	5.8	5.0	5.0	.80	2.0	30m		1	8	A59a	PL3a
19	RAM32D	256	12	S	BTX	180n†	200n†	4.3	5.0	5.0	.80	2.0	20m	.40	1	8	A59	PL3a
20	RAM232D	256	12	S	BTX	180n	155n*∅	4.3	5.0	5.0	.80	2.0	30m		1	8	A59a	PL3a
21	RAM332D	256	12	S	BTX	300n	300n*∅	4.3	5.0	5.0	.80	2.0	30m		1	5	A59a	PL3a
22	O8C50	256	16	S	BEX	40n	80n	55	5.2	0.0	-1.5	-.90	22m#	1.8	1	5		PL5
23	15C57	256	16	S	BTX	125n	150n	30	0.0	5.0	.80†	2.0†	15m#	5.0	1	5		PL5
24	RAM125-36D	256	16	S	BTX	125n	130n*∅	7.6	5.0	5.0	.80	2.0	30m		1	8	A59a	PL3a
25	RAM36D	256	16	S	BTX	180n†	200n†	5.6	5.0	5.0	.80	2.0	20m	.40	1	8	A59a	PL3a
26	RAM236D	256	16	S	BTX	180n	155n*∅	5.6	5.0	5.0	.80	2.0	30m		1	8	A59a	PL3a
27	RAM336D	256	16	S	BTX	300n	300n*∅	5.6	5.0	5.0	.80	2.0	30m		1	5	A59a	PL3a
28	O8C49	256	18	S	BEX	40n	80n	60	5.2	0.0	-1.5	-.90	22m#	1.8	1	5		PL5
29	15C56	256	18	S	BTX	125n	150n	34	0.0	5.0	.80†	2.0†	15m#	5.0	1	5		PL5
30	RM53L	512	1	D		365n	140n\$		0.0	13	13	0.0			0	7	A61	ML23a
31	S2222	512	1	S	MCG	350n	420n*	7.5m†	0.0	10	.60	9.4	1.0m	.45	0	7	A143	ML153
32	S2222A-1U	512	1	S	MCG	400n†	940n*	7.5m†	0.0	10					0	7	A143	ML5d
33	S2222A-2H	512	1	S	MCG	400n†	940n*	7.5m†	0.0	10					0	7	A143	ML5e
34	RAM18A#3	512\$	2	S	BTX	180n	200n	2.2	5.0	5.0	.80	2.0	20m	.40	1	8	A58	PL3
35	RAM218A#3	512\$	2	S	BTX	180n	155n*∅	2.2	5.0	5.0	.80	2.0	30m		1	8	A58a	PL3
36	RAM125-28A#4	512\$	4	S	BTX	125n	130n*∅	3.8	5.0	5.0	.80	2.0	30m		1	8	A58a	PL3
37	RAM28A#4	512\$	4	S	BTX	180n	200n	2.8	5.0	5.0	.80	2.0	20m	.40	1	8	A58	PL3
38	RAM228A#4	512\$	4	S	BTX	180n	155n*∅	2.8	5.0	5.0	.80	2.0	30m		1	8	A58a	PL3
39	RAM328A#4	512\$	4	S	BTX	300n	300n*∅	2.8	5.0	5.0	.80	2.0	30m		1	5	A58a	PL3
40	HM9-6513-9	512	4	S	MCG	270n	350n*	250u\$	0.0	5.0	.80	3.0\$	2.0m	.45	0	8	A404	FL52
41	HM9-6513-5	512	4	S	MCG	320n	420n*	25m\$	0.0	5.0	.80	3.0\$	1.6m	.45	0	7	A404	FL52
42	30C32	512	8	D	HNC	220n	350n	9.1	6.0	10	.80†	2.0†	15m#	5.0	1	5		PL5a
43	85100511	512	8	S	BEX	25n	25n†		6.0	0.0	-1.4	-1.0	20m		0	5	A12	PL2
44	O8C16	512	8	S	BEX	40n	80n	31	5.2	0.0	-1.5	-.90	22m#	1.8	1	5		PL5
45	15C55	512	8	S	BTX	125n	150n	27	0.0	5.0	.80†	2.0†	15m#	5.0	1	5		PL5
46	RAM125-48A#1	512\$	8	S	BTX	125n	130n*∅	4.9	5.0	5.0	.80	2.0	30m		1	8	A58a	PL3
47	RAM48A#1	512\$	8	S	BTX	180n	200n	3.9	5.0	5.0	.80	2.0	20m	.40	1	8	A58	PL3
48	RAM248A#1	512\$	8	S	BTX	180n	155n*∅	3.9	5.0	5.0	.80	2.0	30m		1	8	A58a	PL3
49	RAM348A#1	512\$	8	S	BTX	300n	300n*∅	3.9	5.0	5.0	.80	2.0	30m		1	5	A58a	PL3
50	30C31	512	9	D	HNC	220m	350n	9.3	6.0	10	.80†	2.0†	15m#	5.0	1	5		PL5a
51	85100811	512	9	S	BEX	25n	25n†		6.0	0.0	-1.4	-1.0	20m		0	5	A12	PL2
52	O8C14	512	9	S	BEX	40n	80n	34	5.2	0.0	-1.5	-.90	22m#	1.8	1	5		PL5
53	15C54	512	9	S	BTX	125n	150n	30	0.0	5.0	.80†	2.0†	15m#	5.0	1	5		PL5
54	RAM125-49A	512	9	S	BTX	125n	130n*∅	6.1	5.0	5.0	.80	2.0	30m		1	8	A58a	PL3
55	RAM49A	512	9	S	BTX	180n	200n	4.9	5.0	5.0	.80	2.0	20m	.40	1	8	A58a	PL3
56	RAM249A	512	9	S	BTX	180n	155n*∅	4.9	5.0	5.0	.80	2.0	30m		1	8	A58a	PL3
57	RAM349A	512	9	S	BTX	300n	300n*∅	4.9	5.0	5.0	.80	2.0	30m		1	5	A58a	PL3
58	ASM30#2	512\$	9	S	MXX	300n	300n	35	0.0	5.0	.60	2.5	16m	.40	0	5		
59	ASM10#2	512\$	9	S	MXX	1.9u	1.4u	6.8	8.0	5.0	.80	2.0	16m	.40	0	5		
60	RAM125-50A	512	10	S	BTX	125n	130n*∅	6.1	5.0	5.0	.80	2.0	30m		1	8	A58a	PL3
61	RAM50A	512	10	S	BTX	180n	200n	4.9	5.0	5.0	.80	2.0	20m	.40	1	8	A58a	PL3
62	RAM250A	512	10	S	BTX	180n	155n*∅	4.9	5.0	5.0	.80	2.0	30m		1	8	A58a	PL3
63	RAM350A	512	10	S	BTX	300n	300n*∅	4.9	5.0	5.0	.80	2.0	30m		1	5	A58a	PL3
64	RAM125-52D	512	12	S	BTX	125n	130n*∅	7.4	5.0	5.0	.80	2.0	30m		1	8	A59a	PL3a
65	RAM52D	512	12	S	BTX	180n†	200n†	6.0	5.0	5.0	.80	2.0	20m	.40	1	8	A59	PL3a
66	RAM252D	512	12	S	BTX	180n	155n*∅	6.0	5.0	5.0	.80	2.0	30m		1	8	A59a	PL3a
67	RAM352D	512	12	S	BTX	300n	300n*∅	6.0	5.0	5.0	.80	2.0	30m		1	5	A59a	PL3a
68	30C30	512	16	D	HNC	220n	350n	14	6.0	10	.80†	2.0†	15m#	5.0	1	5		PL5a
69	O8C22	512	16	S	BEX	40n	80n	55	5.2	0.0	-1.5	-.90	22m#	1.8	1	5		PL5
70	15C47	512	16	S	BTX	125n	150n	50	0.0	5.0	.80†	2.0†	15m#	5.0	1	5		PL5
71	RAM125-56D	512	16	S	BTX	125n	130n*∅	9.8	5.0	5.0	.80	2.0	30m		1	8	A59a	PL3a
72	RAM56D	512	16	S	BTX	180n†	200n†	7.9	5.0	5.0	.80	2.0	20m	.40	1	8	A59a	PL3a
73	RAM256D	512	16	S	BTX	180n	155n*∅	7.9	5.0	5.0	.80	2.0	30m		1	8	A59a	PL3a
74	RAM356D	512	16	S	BTX	300n	300n*∅	7.9	5.0	5.0	.80	2.0	30m		1	5	A59a	PL3a
75	30C29	512	18	D	HNC	220m	350n	14	6.0	10	.80†	2.0†	15m#	5.0	1	5		PL5a
76	O8C05	512	18	S	BEX	40n	80n	60	5.2	0.0	-1.5	-.90	22m#	1.8	1	5		PL5
77	15C53	512	18	S	BTX	125n	150n	55	0.0	5.0	.80†	2.0†	15m#	5.0	1	5		PL5
78	MC2102A6	1000	1	S	MNG	650n	650n*	1.0	0.0	5.0	.65	2.2\$	1.9m	.45	5	C	PN16m	ML10c
79	MWS5001AD	1024	1	D	MNG	150n	250n	2.5m	0.0	5.0	.80	3.5	1.6m	.40	2	8	PN16h	ML
80	UPD404D	1024	1	D	MNG	60n	240n	450m†	5.0	16	.50	3.0			0			

2. READ-WRITE MEMORIES (RAMS)

IN ORDER OF (1)No.WORDS(2)No.BITS/WORD
(3)MODE(4)STRUCT.(5)MAX ACC.TIME(6)TYPE No.

LINE No.	TYPE No.	ORGANIZATION				MAX ACCESS TIME (s)	MAX WRITE CYCLE TIME (s)	MAX OPER. POWER DISS. (W)	RATED POWER SUP.		INPUT LOGIC LEVELS		MIN OUTPUT SINK CURRENT		MIN CLOCK FREQ. (Hz)	OPER. TEMP. RANGE CODE	DRAWINGS			
		1 No. WORDS	2 BITS PER WORD	3 MODE	4 STRUCTURE CODE				NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)	(A)	@ OUT (V)			LOGIC/ BLOCK	OUTLINE		
																			5	6
1	S1103AX-1P	1024	1	D	MPG	125n	285n*	660m	0.0	22				500 Δ	0	7	A146a	ML3d		
2	S1103AX-2P	1024	1	D	MPG	125n	285n*	660m	0.0	22				500 Δ	0	7	A146a	ML3e		
3	C1103A1	1024	1	D	MPG	145n	340n*	1.0	0.0	19	1.0	18	10uΔ	0.0	0	7	A195	ML147		
4	C1103A2	1024	1	D	MPG	145n	400n*	1.0	0.0	19	1.0	18	10uΔ	0.0	0	7	A195	ML147		
5	D1103A1	1024	1	D	MPG	145n	340n*	1.0	0.0	19	1.0	18	10uΔ	0.0	0	7	A195	ML194		
6	D1103A2	1024	1	D	MPG	145n	400n*	1.0	0.0	19	1.0	18	10uΔ	0.0	0	7	A195	ML194		
7	P1103A1	1024	1	D	MPG	145n	340n*	1.0	0.0	19	1.0	18	10uΔ	0.0	0	7	A195	ML3		
8	P1103A2	1024	1	D	MPG	145n	400n*	1.0	0.0	19	1.0	18	10uΔ	0.0	0	7	A195	ML3		
9	S1103A1-1P	1024	1	D	MPG	145n	340n*	660m	0.0	22				500 Δ	0	7	A146a	ML3d		
10	S1103A1-2P	1024	1	D	MPG	145n	340n*	660m	0.0	22				500 Δ	0	7	A146a	ML3e		
11	C1103-1	1024	1	D	MPG	150n*	340n*	1.0	0.0	19	1.0	18	10uΔ	0.0	0	5	A2	ML147		
12	D1103-1	1024	1	D	MPG	150n*	340n*	1.0	0.0	19	1.0	18	10uΔ	0.0	0	5	A2	ML194		
13#	GYQ131	1024	1	D	MPG	150n*	315n*	379m	0.0	19	1.5	18.1	10u	0.0	0	5	A169	ML115		
14#	MF1103-1	1024	1	D	MPG	150n*	340n*	1.0	0.0	19	1.0	18	1.1m+∅	.115	1.0kΔ	0	5	A2	ML3	
15#	MF1103-1#1	1024	1	D	MPG	150n*	340n*	1.0	0.0	19	1.0	18	1.1m+∅	.115	1.0kΔ	0	5	A2	ML3	
16#	MF1103-1#2	1024	1	D	MPG	150n*	340n*	1.0	0.0	19	1.0	18	1.1m+∅	.115	1.0kΔ	0	5	A2	ML25	
17	P1103-1	1024	1	D	MPG	150n*	340n*	1.0	0.0	19	1.0	18	1.0uΔ	0.0	500 Δ	0	7	A2	ML3	
18	S1103-1	1024	1	D	MPG	150n*	360n*	550m	0.0	19	.080%	.085	800u	.085	500 Δ	0	5	A164	ML152	
19	S3103	1024	1	D	MPG	150n	360n*	550m	0.0	19	1.0	18	1.0uΔ	0.0	500 Δ	0	7	A62	ML152	
20	TMS1103-1JL	1024	1	D	MPG	150n	360n*	1.0	0.0	20	2.0	19	1.0kΔ	0.0	500 Δ	0	5	A197	ML210	
21	TMS1103-1NL	1024	1	D	MPG	150n	360n*	1.0	0.0	20	2.0	19	1.0kΔ	0.0	500 Δ	0	5	A197	ML3b	
22	C1103A	1024	1	D	MPG	205n	580n*	1.0	0.0	16	1.0	15	1.0uΔ	0.0	500 Δ	0	7	A195	ML147	
23	D1103A	1024	1	D	MPG	205n	580n*	1.0	0.0	16	1.0	15	1.0uΔ	0.0	500 Δ	0	7	A195	ML194	
24	P1103A	1024	1	D	MPG	205n	580n*	1.0	0.0	16	1.0	15	1.0uΔ	0.0	500 Δ	0	7	A195	ML3	
25	S146	1024	1	D	MPG	205n	390n*	550m	0.0	19	.080%	.085	800u	.085	500 Δ	0	5	A164	ML152	
26	S1103A-1P	1024	1	D	MPG	205n	580n*	425m	0.0	19				500 Δ	0	7	A146a	ML3d		
27	S1103A-2P	1024	1	D	MPG	205n	580n*	425m	0.0	19				500 Δ	0	7	A146a	ML3e		
28	S2146	1024	1	D	MPG	205n	390n*	550m	0.0	19	1.0	18	1.0uΔ	0.0	500 Δ	0	7	A62	ML152	
29#	MF7005	1024	1	D	MPG	215n*	390n*	1.0	0.0	19	1.0	18	1.1m+∅	.115	1.0kΔ	0	5	A2	ML3	
30	C1103	1024	1	D	MPG	300n*	580n*	1.0	0.0	16	1.5*	1.8#	1.0uΔ	0.0	500 Δ	0	7	A2	ML147	
31	CM1103	1024	1	D	MPG	300n*	580n*	1.0	0.0	16	1.0	15	1.0uΔ	0.0	500 Δ	0	7	A2	ML147	
32	D1103	1024	1	D	MPG	300n*	580n*	1.0	0.0	16	1.5*	1.8#	1.0uΔ	0.0	500 Δ	0	7	A2	ML194	
33#	M58533P	1024	1	D	MPG	300n	580n*	256m	0.0	16				500 Δ	0	7	A2	ML338		
34#	MB8103	1024	1	D	MPG	300n	600n*	270m	0.0	19	2.3	14.5	1.0uΔ	0.0	500 Δ	0	7	A2	ML73	
35#	MF1103	1024	1	D	MPG	300n*	580n*	1.0	0.0	16	1.0	15	600u+∅	.060	500 Δ	0	7	A2	ML3	
36#	MF1103#1	1024	1	D	MPG	300n*	580n*	1.0	0.0	16	1.0	15	600u+∅	.060	500 Δ	0	7	A2	ML3	
37#	MF1103#2	1024	1	D	MPG	300n*	580n*	1.0	0.0	16	1.0	15	600u+∅	.060	500 Δ	0	7	A2	ML25	
38	ML1103	1024	1	D	MPG	300n	580n*	400m	0.0	16	1.5	1.0	600u+	0.0	500 Δ	0	7	A2	ML3	
39	MM1103D	1024	1	D	MPG	300n*	580n*	500m	0.0	16	1.0	15	600u+	0.0	500 Δ	2	7	A103	ML3	
40	MM1103N	1024	1	D	MPG	300n*	580n*	500m	0.0	16	1.0	15	600u+	0.0	500 Δ	2	7	A103	ML119	
41#	MN1003	1024	1	D	MPG	300n*	580n*	1.0	0.0	16	1.7	1.0	1.0uΔ	0.0	500 Δ	0	6	A168	ML119	
42	P1103	1024	1	D	MPG	300n*	580n*	1.0	0.0	16	1.7	1.0	1.0uΔ	0.0	500 Δ	0	7	A2	ML3	
43	S1103	1024	1	D	MPG	300n	580n*	350m	0.0	16	.040%	.050	400u	.040	500 Δ	0	6	A164	ML152	
44	S2103	1024	1	D	MPG	300n	580n*	350m	0.0	16	1.8	1.5	1.0uΔ	0.0	500 Δ	0	7	A62	ML152	
45	TMS1103JL	1024	1	D	MPG	300n	580n*	1.0	0.0	16	1.5	15.3	1.0uΔ	0.0	500 Δ	0	7	A197	ML210	
46	TMS1103NL	1024	1	D	MPG	300n	580n*	1.0	0.0	16	1.5	15.3	1.0uΔ	0.0	500 Δ	0	7	A197	ML3b	
47	MM4260	1024	1	D	MPG	350n	750n	400m	12	5.0				1.0kΔ	5	C				
48	MM5260D	1024	1	D	MPG	350n	600n	600m	12	5.0	3.0*	4.0#	1.6m	.40	500 Δ	2	7	A104	ML2e	
49	MM5260N	1024	1	D	MPG	350n	600n	600m	12	5.0	3.0*	4.0#	1.6m	.40	500 Δ	2	7	A104	ML2e	
50	MM5261D	1024	1	D	MPG	400n	625n*	400m	12	5.0	.80	3.0#	1.6m	.40	500 Δ	0	7	PN18b	ML115a	
51	MM5261N	1024	1	D	MPG	400n	625n*	400m	12	5.0	.80	3.0#	1.6m	.40	500 Δ	0	7	PN18b	ML196	
52	MM4261D	1024	1	D	MPG	450n	750n*	400m	12	5.0	.80	3.0#	1.6m	.40	500 Δ	5	C	PN18b	ML115a	
53	MM4261N	1024	1	D	MPG	450n	750n*	400m	12	5.0	.80	3.0#	1.6m	.40	500 Δ	5	C	PN18b	ML196	
54#	MF7006	1024	1	D	MPG	220	390	1.0	0.0	19	1.0	18	600u+∅	.06	500 Δ	0	5	A2	ML3	
55	MK4006-6P	1024	1	D	MPI	400n*	650n*	50m+	12	5.0	.80	4.0	3.5	500 Δ	0	7	A35	ML22		
56	MK4006P	1024	1	D	MPI	400n*	650n*	50m+	12	5.0	.80	4.0	3.5	500 Δ	0	7	A35	ML22		
57	S4006C	1024	1	D	MPI	400n	650n*	450m	12	5.0	.80	3.5	3.0m	0.0	6	A167	ML82			
58	S4006LC	1024	1	D	MPI	400n	650n*	450m	12	5.0	.80	3.5	3.0m	0.0	6	A167	ML82			
59	MK4008-6P	1024	1	D	MPI	500n*	900n*	50m+	12	5.0	.80	4.0	4.0	500 Δ	0	7	A35	ML22		
60	MK4008P	1024	1	D	MPI	500n*	900n*	50m+	12	5.0	.80	4.0	4.0	500 Δ	0	7	A35	ML22		
61	S4008	1024	1	D	MPI	500n	900n*	450m	12	5.0	.80	4.0	4.0	1.0m	0.0	7	A35	ML110		
62	S4008C	1024	1	D	MPI	500n	900n*	450m	12	5.0	.80	3.5	3.5	0.0	6	A167	ML82			
63	S4008LC	1024	1	D	MPI	500n	900n*	450m	12	5.0	.80	3.5	3.5	0.0	6	A167	ML82			
64	S4008R	1024	1	D	MPI	500n	900n*	450m	12	5.0	.80	4.0	4.0	1.6m	.40	500 Δ	0	7	A35a	ML110
65	MK4008-9P	1024	1	D	MPI	800n	1.0u*	544m	12	5.0	.80	4.0	4.0	500 Δ	0	7	A35	ML22		
66	S4008-9	1024	1	D	MPI	800n	1.0u*	450m	12	5.0	.80	3.5	3.5	500 Δ	0	6	A167	ML82		
67	GER1103	1024	1	D	MPR	300n	580n	400m	0.0	20	1.0	1.5	1.0uΔ	0.0	500 Δ	0	7	A2	ML2	
68	TMS4062JL	1024	1	D	MPX	130n	200n*	120m	0.0	20	2.0	18	2.0uΔ	0.0	500 Δ	0	7	A69	ML8n	
69	TMS4062NL	1024	1	D	MPX	130n	200n*	120m	0.0	20	2.0	18	2.0uΔ	0.0	500 Δ	0	7	A69	ML197a	
70	TMS4063JL	1024	1	D	MPX	130n	200n*	120m	0.0	20	2.0	18	2.0uΔ	0.0	500 Δ	0	7	A69	ML210	
71	TMS4063NL	1024	1	D	MPX	130n	200n*	120m	0.0	20	2.0	18	2.0uΔ	0.0	500 Δ	0	7	A69	ML3b	
72	91600211	1024	1	D	MPX	150n	290n*	180m	0.0	20	2.0	18	2.0uΔ	0.0	500 Δ	0	7	A14	ML8	
73	IM6002-6D	1024	1	D	MPX	150n	290n*	180m	0.0	20				500 Δ	0	7	A14	ML241		
74	IM6002-6E	1024	1	D	MPX	150n	290n*	180m	0.0	20				500 Δ	0	7	PN18g	ML240		
75	IM6002-11CDF	1024	1	D	MPX	150n	250n*	180m	0.0	20	1.0	18	2.0uΔ	0.0	500 Δ	0	7	A320a	ML241	
76	IM6002-11CDN	1024	1	D	MPX	150n	250n*	180m	0.0	20	1.0	18	2.0uΔ	0.0	500 Δ					

2. READ-WRITE MEMORIES (RAMS)

IN ORDER OF (1)No.WORDS(2)No.BITS/WORD
(3)MODE(4)STRUCT.(5)MAX ACC.TIME(6)TYPE No.

LINE No.	TYPE No.	ORGANIZATION			3	4	5	MAX WRITE CYCLE TIME (s)	MAX OPER. POWER DISS. (W)	RATED SUP. SPAN		INPUT LOGIC LEVELS		MIN OUTPUT SINK CURRENT @ OUT (V)		MIN CLOCK FREQ. (Hz)	OPER. TEMP. RANGE CODE		DRAWINGS				
		1	2	3						MOD E	STRUCTURE CODE	MAX ACCESS TIME (s)	NEG. (V)	POS. (V)	MAX '0' (V)		MIN '1' (V)	(A)	(V)	-	+	LOGIC/ BLOCK	OUTLINE
1	IM5518MJ	1024	1	S	BTX	75n	45n	650m	0.0	5.0	.80	2.0	16m	.45	0	7	PN16n	ML127e					
2	RC5500M	1024	1	S	BTX	25n	35n	409m	0.0	5.0	.80	2.0	16m	.45	0	7	A124	ML141					
3	RC5500MP	1024	1	S	BTX	25n	35n	409m	0.0	5.0	.80	2.0	16m	.45	0	7	A124	ML169					
4	RM5500L	1024	1	S	BTX	25n	35n	409m	0.0	5.0	.80	2.0	16m	.45	0	7	A124	FL25					
5	RM5500M	1024	1	S	BTX	25n	35n	409m	0.0	5.0	.80	2.0	16m	.45	0	7	A124	ML141					
6	DM93415AJ	1024	1	S	BTX	30n	30n	500u%	0.0	5.0	.80	2.0	16m	.45	0	7	A235	ML127f					
7	DM93425AJ	1024	1	S	BTX	30n	30n	500u%	0.0	5.0	.80	2.0	16m	.45	0	7	A163	ML127f					
8#	MB7061H	1024	1	S	BTX	30n	20n	500u%	0.0	5.0	.80	2.1Δ	16m	.45	0	7	A97	ML1m					
9#	MBM93415AH	1024	1	S	BTX	30n	20n	500u%	0.0	5.0	.80	2.1Δ	16m	.45	0	7	A97	ML1m					
10#	HM2510G-2	1024	1	S	BTX	35n	25n	775m	0.0	5.0	.80	2.1	16m	.45	0	7	A235	ML89h					
11#	HM2511-2	1024	1	S	BTX	35n	25n	775m	0.0	5.0	.80	2.1	16m	.45	0	7	A163	ML89h					
12	RR5500L-PR	1024	1	S	BTX	35n	35n	400m	0.0	5.0	.85*	2.0#	16m	.45	0	5	C	FL14d					
13	RR5500MM-PR	1024	1	S	BTX	35n	35n	400m	0.0	5.0	.85*	2.0#	16m	.45	0	5	C	ML141					
14	RR5502MM-PR	1024	1	S	BTX	35n	35n	400m	0.0	5.0	.85*	2.0#	16m	.45	0	5	C	ML141					
15	DM93415J	1024	1	S	BTX	40n	35n	500u%	0.0	5.0	.80	2.0	16m	.45	0	7	A235	ML127f					
16	DM93425J	1024	1	S	BTX	40n	35n	500u%	0.0	5.0	.80	2.0	16m	.45	0	7	A163	ML127f					
17#	HM2510G-1	1024	1	S	BTX	45n	35n	775m	0.0	5.0	.80	2.1	16m	.45	0	7	A235	ML89h					
18#	MB7061	1024	1	S	BTX	45n	35n	500u%	0.0	5.0	.80	2.1Δ	16m	.45	0	7	A97	ML1m					
19#	MBM93415A	1024	1	S	BTX	45n	35n	500u%	0.0	5.0	.80	2.1Δ	16m	.45	0	7	A97	ML1m					
20	uPD2205D	1024	1	S	BTX	50n	60n	775m	0.0	5.0	.80	2.0Δ	16m	.50	0	7	PN16n	ML127s					
21#	FJB93415	1024	1	S	BTX	60n	30n	512m	0.0	5.0	.95	2.0	16m	.45	0	7	A97	ML4e					
22#	HM2510G	1024	1	S	BTX	70n	50n	775m	0.0	5.0	.80	2.1	16m	.45	0	7	A235	ML89h					
23	93L415CC	1024	1	S	BTX	75n	75n	175m	0.0	5.0	.80	2.1	8.0m	.50	0	7	A97	ML15a					
24	IM5508CDE	1024	1	S	BTX	85n	35n	625m	0.0	5.0	.80	2.0	16m	.45	0	7	PN18a	ML1a					
25	IM5528CDE	1024	1	S	BTX	85n	35n	625m	0.0	5.0	.80	2.0	16m	.45	0	7	PN18a	ML1a					
26	IM5508MDE	1024	1	S	BTX	100n	40n	625m	0.0	5.0	.80	2.0	16m	.45	0	5	C	PN18a					
27	IM5528MDE	1024	1	S	BTX	100n	40n	625m	0.0	5.0	.80	2.0	16m	.45	0	5	C	PN18a					
28	RAM18A#2	1024	1	S	BTX	180n	200n	2.2	5.0	0.8	.80	2.0	30m	.40	1	▼	A58	PL3					
29	RAM218A#2	1024	1	S	BTX	180n	155n	2.2	5.0	0.8	.80	2.0	30m	.40	1	▼	A58a	PL3					
30	MK4102P-6	1024	1	S	BTX	275n*	275n*	400m	0.0	5.0	.65	2.2	3.2	.40	0	7	A192	ML22					
31	MCM6518-46	1024	1	S	HCG	460n	730n	400u%	0.0	5.0	0.8	2.0	1.0u#	.40	0	7	A491	ML387					
32	CM2403	1024	1	S	HXX	400n	600n	400u%	0.0	5.0	.80	3.5	16m	.40	0	7	A25	ML11					
33#	SIL1902	1024	1	S	MCA	800n	750n	1.5	0.0	5.0	.80	3.0	1.6m	.40	0	7	A185	MO001AF					
34	IM6508A-1IDE	1024	1	S	MCG	95n	65n	1.1m	0.0	11	2.2	7.7	1.0uΔ	0.0	4	8	A188a	ML1a					
35	IM6508A-1MDE	1024	1	S	MCG	95n	65n	1.1m	0.0	11	2.2	7.7	1.0uΔ	0.0	4	8	A188a	ML1a					
36	IM6518A-1IDE	1024	1	S	MCG	95n	65n	500u%	0.0	11	2.2	7.7	1.0uΔ	0.0	4	8	A188	ML1a					
37	IM6518A-1MDE	1024	1	S	MCG	95n	65n	500u%	0.0	11	2.2	7.7	1.0uΔ	0.0	4	8	A188	ML1a					
38	HM1-6508B2	1024	1	S	MCG	140n	220n	50u	0.0	5.0	.80	3.0	3.2m	.40	4	8	A402	ML223					
39	HM1-6508B9	1024	1	S	MCG	140n	220n	50u	0.0	5.0	.80	3.0	3.2m	.40	4	8	A402	ML223					
40	HM1-6518B2	1024	1	S	MCG	140n	220n	50u	0.0	5.0	.80	3.0	3.2m	.40	4	8	A405	ML304					
41	HM1-6518B9	1024	1	S	MCG	140n	220n	50u	0.0	5.0	.80	3.0	3.2m	.40	4	8	A405	ML304					
42	HM3-6508B2	1024	1	S	MCG	140n	220n	50u	0.0	5.0	.80	3.0	3.2m	.40	4	8	A402	ML313					
43	HM3-6508B9	1024	1	S	MCG	140n	220n	50u	0.0	5.0	.80	3.0	3.2m	.40	4	8	A402	ML313					
44	HM3-6518B2	1024	1	S	MCG	140n	220n	50u	0.0	5.0	.80	3.0	3.2m	.40	4	8	A405	ML305					
45	HM3-6518B9	1024	1	S	MCG	140n	220n	50u	0.0	5.0	.80	3.0	3.2m	.40	4	8	A405	ML305					
46	HM9-6508B2	1024	1	S	MCG	140n	220n	50u	0.0	5.0	.80	3.0	3.2m	.40	4	8	A402	FL54					
47	HM9-6508B9	1024	1	S	MCG	140n	220n	50u	0.0	5.0	.80	3.0	3.2m	.40	4	8	A402	FL54					
48	HM9-6518B2	1024	1	S	MCG	140n	220n	50u	0.0	5.0	.80	3.0	3.2m	.40	4	8	A405	FL52					
49	HM9-6518B9	1024	1	S	MCG	140n	220n	50u	0.0	5.0	.80	3.0	3.2m	.40	4	8	A405	FL52					
50	NMC6508A-J-9	1024	1	S	MCG	140n	240n	50u	0.0	5.0	.80	3.0	3.2m	.40	4	8	A405	FL52					
51	IM6508AIDE	1024	1	S	MCG	150n	95n	5.5m	0.0	11	2.2	7.7	1.0uΔ	0.0	4	8	A188a	ML1a					
52	IM6508AMDE	1024	1	S	MCG	150n	95n	5.5m	0.0	11	2.2	7.7	1.0uΔ	0.0	4	8	A188a	ML1a					
53	IM6518A-1IDN	1024	1	S	MCG	150n	95n	1.1m	0.0	11	2.2	7.7	1.0uΔ	0.0	4	8	A188	ML147					
54	IM6518A-1MDN	1024	1	S	MCG	150n	95n	1.1m	0.0	11	2.2	7.7	1.0uΔ	0.0	4	8	A188	ML147					
55	IM6518AIDE	1024	1	S	MCG	150n	95n	2.5m	0.0	11	2.2	7.7	1.0uΔ	0.0	4	8	A188	ML147					
56	IM6518AIDN	1024	1	S	MCG	150n	95n	2.5m	0.0	11	2.2	7.7	1.0uΔ	0.0	4	8	A188	ML147					
57	IM6518AMDE	1024	1	S	MCG	150n	95n	2.5m	0.0	11	2.2	7.7	1.0uΔ	0.0	4	8	A188	ML147					
58	IM6518AMDN	1024	1	S	MCG	150n	95n	2.5m	0.0	11	2.2	7.7	1.0uΔ	0.0	4	8	A188	ML147					
59	HM3-6508-2	1024	1	S	MCG	200n	280n	50u	0.0	5.0	.80	3.0	3.2m	.40	4	8	A402	ML313					
60	HM3-6518-2	1024	1	S	MCG	200n	280n	50u	0.0	5.0	.80	3.0	3.2m	.40	4	8	A405	ML305					
61	HM9-6508-9	1024	1	S	MCG	200n	280n	50u	0.0	5.0	.80	3.0	3.2m	.40	4	8	A402	FL54					
62	HM9-6518-9	1024	1	S	MCG	200n	280n	50u	0.0	5.0	.80	3.0	3.2m	.40	4	8	A405	FL52					
63	IM6508-1IDE	1024	1	S	MCG	200n	165n	50u	0.0	5.0	.80	3.0	2.0m	.45	4	8	A188a	ML1a					
64	IM6508-1IDN	1024	1	S	MCG	200n	165n	50u	0.0	5.0	.80	3.0	2.0m	.45	4	8	A188a	ML147					
65	IM6508-1MDE	1024	1	S	MCG	200n	165n	50u	0.0	5.0	.80	3.0	2.0m	.45	4	8	A188a	ML147					
66	IM6508-1MDN	1024	1	S	MCG	200n	165n	50u	0.0	5.0	.80	3.0	2.0m	.45	4	8	A188a	ML147					
67	IM6508A-1IDN	1024	1	S	MCG	200n	65n	1.1m	0.0	11	2.2	7.7	1.0uΔ	0.0	4	8	A188a	ML147					
68	IM6508A-1MDN	1024	1	S	MCG	200n	65n	1.1m	0.0	11	2.2	7.7	1.0uΔ	0.0	4	8	A188a	ML147					
69	HM9-6508-5	1024	1	S	MCG	260n	380n	500u%	0.0	5.0	.80	3.0	1.6m	.40	0	7	A402	FL54					
70	HM9-6518-5	1024	1	S	MCG	260n	380n	500u%	0.0	5.0	.80	3.0	1.6m	.40	0	7	A405	FL52					
71	IM6518-1IDE	1024	1	S	MCG	300n	200n	50u	0.0	5.0	.80	3.0	2.0m	.45	4	8	A188	ML1a					
72	IM6518-1IDN	1024	1	S	MCG	300n	200n	50u	0.0	5.0	.80	3.0	2.0m	.45	4	8	A188	ML147					
73	IM6518-1MDE	1024	1	S	MCG	300n	200n	50u	0.0	5.0	.80	3.0	2.0m	.45	4	8	A188	ML1a					
74	IM6518-1MDN	1024	1	S	MCG	300n	200n	50u	0.0	5.0	.80	3.0	2.0m	.45	4	8	A188	ML147					
75	IM6508AIDN	1024	1	S	MCG	350n	95n	5.5m	0.0	11	2.2	7.7	1.0uΔ	0.0	4	8	A188a	ML147					
76	IM6508AMDN	1024	1	S	MCG	350n	95n	5.5m	0.0	11	2.2	7.7	1.0uΔ	0.0	4	8	A188a	ML147					
77#	HM435101-1	1024	1	S	MCG	450n	450n	55m	0.0	5.0	.65												

2. READ-WRITE MEMORIES (RAMS)

IN ORDER OF (1)No.WORDS(2)No.BITS/WORD
(3)MODE(4)STRUCT.(5)MAX ACC.TIME(6)TYPE No.

LINE No.	TYPE No.	ORGANIZATION			3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	DRAWINGS																																																																																																																																																																																																																				
		1		2																																																																																																										3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		31		32		33		34		35		36		37		38		39		40		41		42		43		44		45		46		47		48		49		50		51		52		53		54		55		56		57		58		59		60		61		62		63		64		65		66		67		68		69		70		71		72		73		74		75		76		77		78		79		80		81		82		83		84		85		86		87		88		89		90		91		92		93		94		95		96		97		98		99		100		101		102		103		104		105		106		107		LOGIC/ BLOCK	OUTLINE	
		No. WORDS	PER WORD	MODE																																																																																																										STRUCTURE CODE	MAX ACCESS TIME (s)	MAX WRITE CYCLE TIME (s)	MAX OPER. POWER DISS. (W)	RATED POWER SPAN (V)	INPUT LOGIC LEVELS (V)	MIN 'MAX' (V)	MIN 'MIN' (V)	MIN OUTPUT SINK CURRENT (A)	MIN OUTPUT @ OUT (V)	MIN CLOCK FREQ. (Hz)	OPER. TEMP. RANGE CODE	LOGIC/ BLOCK	OUTLINE																																																																																																																																																																																																							
1	1217C	1024	1	S	MNA	90n	200n	300m	3.5	15	1.0	4.0s	1.6m	.50	0	7	A149a	ML182																																																																																																																																																																																																																																																																																																																
2	1218A	1024	1	S	MNA	100n	225n	875m	3.5	15	1.0	4.0	200u	.50	0	7	A149a	ML182																																																																																																																																																																																																																																																																																																																
3	1217B	1024	1	S	MNA	110n	250n	300m	3.5	15	1.0	4.0s	1.6m	.50	0	7	A149a	ML182																																																																																																																																																																																																																																																																																																																
4	1218	1024	1	S	MNA	120n	275n	875m	3.5	15	1.0	4.0s	200u	.50	0	7	A149a	ML182																																																																																																																																																																																																																																																																																																																
5	1217A	1024	1	S	MNA	135n	300n	904m	3.5	15	1.0	4.0s	1.6m	.50	0	7	A149a	ML182																																																																																																																																																																																																																																																																																																																
6	1217	1024	1	S	MNA	160n	375n	875m	3.5	15	1.0	4.0s	1.6m	.50	0	7	A149a	ML182																																																																																																																																																																																																																																																																																																																
7	1216	1024	1	S	MNA	260n	675n*	715m	4.4	15	1.0	4.0s	600u	.50	0	7	A149a	ML182																																																																																																																																																																																																																																																																																																																
8	Am9102EDC	1024	1	S	MNG	200n	250m	250m	0.0	5.0	.80	2.0			0	7																																																																																																																																																																																																																																																																																																																		
9	Am9102EPC	1024	1	S	MNG	200n	250m	250m	0.0	5.0	.80	2.0			0	7																																																																																																																																																																																																																																																																																																																		
10	C2115A	1024	1	S	MNG	45n	35n\$	625m	0.0	5.0	.80	2.1	16m	.45	0	7	A256	ML140g																																																																																																																																																																																																																																																																																																																
11	C2115AL	1024	1	S	MNG	45n	30n\$	394m	0.0	5.0	.80	2.1	16m	.45	0	7	A256	ML140g																																																																																																																																																																																																																																																																																																																
12	C2125A	1024	1	S	MNG	45n	35n\$	625m	0.0	5.0	.80	2.1s	7.0m	.45	0	7	A256	ML140g																																																																																																																																																																																																																																																																																																																
13	C2125AL	1024	1	S	MNG	45n	30n\$	394m	0.0	5.0	.80	2.1s	7.0m	.45	0	7	A256	ML140g																																																																																																																																																																																																																																																																																																																
14	MB8115Y	1024	1	S	MNG	45n	30n\$	325m	0.0	5.0	.80	2.1Δ	16m	.45	0	7	A256a	ML1m																																																																																																																																																																																																																																																																																																																
15	MB8125Y	1024	1	S	MNG	45n	30n\$	325m	0.0	5.0	.80	2.1s	16m	.45	0	7	A256a	ML1m																																																																																																																																																																																																																																																																																																																
16	MBM2115Y	1024	1	S	MNG	45n	30n\$	625m	0.0	5.0	.80	2.1Δ	16m	.45	0	7	A256a	ML1m																																																																																																																																																																																																																																																																																																																
17	MBM2125Y	1024	1	S	MNG	45n	30n\$	625m	0.0	5.0	.80	2.1s	16m	.45	0	7	A256a	ML1m																																																																																																																																																																																																																																																																																																																
18	P2115A	1024	1	S	MNG	45n	35n\$	625m	0.0	5.0	.80	2.1	16m	.45	0	7	A256	ML127v																																																																																																																																																																																																																																																																																																																
19	P2115AL	1024	1	S	MNG	45n	30n\$	394m	0.0	5.0	.80	2.1	16m	.45	0	7	A256	ML127v																																																																																																																																																																																																																																																																																																																
20	P2125A	1024	1	S	MNG	45n	35n\$	625m	0.0	5.0	.80	2.1s	7.0m	.45	0	7	A256	ML127v																																																																																																																																																																																																																																																																																																																
21	P2125AL	1024	1	S	MNG	45n	30n\$	394m	0.0	5.0	.80	2.1s	7.0m	.45	0	7	A256	ML127v																																																																																																																																																																																																																																																																																																																
22	S4015-3	1024	1	S	MNG	45n	45n	500m	0.0	5.0	.80	2.0	16m	.45	0	7	A97	ML4d																																																																																																																																																																																																																																																																																																																
23	S4015-4	1024	1	S	MNG	45n	45n	625m	0.0	5.0	.80	2.0	16m	.45	0	7	A97	ML4d																																																																																																																																																																																																																																																																																																																
24	S4025-3	1024	1	S	MNG	45n	45n	500m	0.0	5.0	.80	2.0	16m	.45	0	7	A97	ML4d																																																																																																																																																																																																																																																																																																																
25	S4025-4	1024	1	S	MNG	45n	45n	625m	0.0	5.0	.80	2.0	16m	.45	0	7	A97	ML4d																																																																																																																																																																																																																																																																																																																
26	MC2115A	1024	1	S	MNG	50n	40n\$	625m	0.0	5.0	.80	2.1	10m	.45	5	C	A256	ML140g																																																																																																																																																																																																																																																																																																																
27	MC2125A	1024	1	S	MNG	55n	40n\$	625m	0.0	5.0	.80	2.1s	5.0m	.45	5	C	A256	ML140g																																																																																																																																																																																																																																																																																																																
28	MW7001ID	1024	1	S	MNG	60n	180n*	510u%	3.0	10	.80	2.4	100u	.45	0	7	A162	ML8s																																																																																																																																																																																																																																																																																																																
29	S4015-2	1024	1	S	MNG	60n	60n	625m	0.0	5.0	.80	2.0	16m	.45	0	7	A97	ML4d																																																																																																																																																																																																																																																																																																																
30	S4025-2	1024	1	S	MNG	60n	60n	625m	0.0	5.0	.80	2.0	16m	.45	0	7	A97	ML4d																																																																																																																																																																																																																																																																																																																
31	C2115-2	1024	1	S	MNG	70n	50n\$	625m	0.0	5.0	.80	2.1s	16m	.45	0	8	A256	ML10c																																																																																																																																																																																																																																																																																																																
32	C2115A-2	1024	1	S	MNG	70n	50n\$	625m	0.0	5.0	.80	2.1	16m	.45	0	7	A256	ML140g																																																																																																																																																																																																																																																																																																																
33	C2115AL-2	1024	1	S	MNG	70n	45n\$	394m	0.0	5.0	.80	2.1	16m	.45	0	7	A256	ML140g																																																																																																																																																																																																																																																																																																																
34	C2125-2	1024	1	S	MNG	70n	50n\$	625m	0.0	5.0	.80	2.1s	7.0m	.45	0	8	A256	ML10c																																																																																																																																																																																																																																																																																																																
35	C2125A-2	1024	1	S	MNG	70n	50n\$	625m	0.0	5.0	.80	2.1s	7.0m	.45	0	7	A256	ML140g																																																																																																																																																																																																																																																																																																																
36	C2125AL-2	1024	1	S	MNG	70n	45n\$	394m	0.0	5.0	.80	2.1s	7.0m	.45	0	7	A256	ML140g																																																																																																																																																																																																																																																																																																																
37	D2115-2	1024	1	S	MNG	70n	50n\$	625m	0.0	5.0	.80	2.1s	16m	.45	0	8	A256	ML157c																																																																																																																																																																																																																																																																																																																
38	MB8115H	1024	1	S	MNG	70n	50n\$	500m	0.0	5.0	.80	2.1Δ	12m	.45	0	7	A256a	ML1m																																																																																																																																																																																																																																																																																																																
39	MB8125H	1024	1	S	MNG	70n	50n\$	500m	0.0	5.0	.80	2.1s	7.0m	.45	0	7	A256a	ML1m																																																																																																																																																																																																																																																																																																																
40	MBM2115H	1024	1	S	MNG	70n	50n\$	500m	0.0	5.0	.80	2.1Δ	12m	.45	0	7	A256a	ML1m																																																																																																																																																																																																																																																																																																																
41	MBM2125H	1024	1	S	MNG	70n	50n\$	500m	0.0	5.0	.80	2.1s	7.0m	.45	0	7	A256a	ML1m																																																																																																																																																																																																																																																																																																																
42	P2115-2	1024	1	S	MNG	70n	50n\$	625m	0.0	5.0	.80	2.1s	16m	.45	0	8	A256	ML89a																																																																																																																																																																																																																																																																																																																
43	P2115A-2	1024	1	S	MNG	70n	50n\$	625m	0.0	5.0	.80	2.1	16m	.45	0	7	A256	ML127v																																																																																																																																																																																																																																																																																																																
44	P2115AL-2	1024	1	S	MNG	70n	45n\$	394m	0.0	5.0	.80	2.1	16m	.45	0	7	A256	ML127v																																																																																																																																																																																																																																																																																																																
45	P2125-2	1024	1	S	MNG	70n	50n\$	625m	0.0	5.0	.80	2.1s	7.0m	.45	0	8	A256	ML89a																																																																																																																																																																																																																																																																																																																
46	P2125A-2	1024	1	S	MNG	70n	50n\$	625m	0.0	5.0	.80	2.1s	7.0m	.45	0	7	A256	ML127v																																																																																																																																																																																																																																																																																																																
47	P2125AL-2	1024	1	S	MNG	70n	45n\$	394m	0.0	5.0	.80	2.1s	7.0m	.45	0	7	A256	ML127v																																																																																																																																																																																																																																																																																																																
48	S40152-2H	1024	1	S	MNG	70n	90n*	625m	0.0	5.0	.80	2.1s	7.0m	.45	0	7	A256	ML5e																																																																																																																																																																																																																																																																																																																
49	S40252-2H	1024	1	S	MNG	70n	90n*	625m	0.0	5.0	.80	2.1s	7.0m	.45	0	7	A256	ML5e																																																																																																																																																																																																																																																																																																																
50	MC2115AL	1024	1	S	MNG	75n	55n\$	413m	0.0	5.0	.80	2.1	10m	.45	5	C	A256	ML140g																																																																																																																																																																																																																																																																																																																
51	MC2125AL	1024	1	S	MNG	75n	55n\$	375m	0.0	5.0	.80	2.1s	5.0m	.45	5	C	A256	ML140g																																																																																																																																																																																																																																																																																																																
52	C2115	1024	1	S	MNG	95n	50n\$	500m	0.0	5.0	.80	2.1s	12m	.45	0	8	A256	ML10c																																																																																																																																																																																																																																																																																																																
53	C2115L	1024	1	S	MNG	95n	50n\$	375m	0.0	5.0	.80	2.1s	12m	.45	0	8	A256	ML10c																																																																																																																																																																																																																																																																																																																
54	C2125	1024	1	S	MNG	95n	50n\$	500m	0.0	5.0	.80	2.1s	7.0m	.45	0	8	A256	ML10c																																																																																																																																																																																																																																																																																																																
55	C2125L	1024	1	S	MNG	95n	50n\$	375m	0.0	5.0	.80	2.1s	7.0m	.45	0	8	A256	ML10c																																																																																																																																																																																																																																																																																																																
56	D2115	1024	1	S	MNG	95n	50n\$	500m	0.0	5.0	.80	2.1s	12m	.45	0	8	A256	ML157c																																																																																																																																																																																																																																																																																																																
57	D2115L	1024	1	S	MNG	95n	50n\$	200u	0.0	5.0	.80	2.1s	12m	.45	0	8	A256	ML157c																																																																																																																																																																																																																																																																																																																
58	MB8115E	1024	1	S	MNG	95n	60n\$	325m	0.0	5.0	.80	2.1Δ	12m	.45	0	7	A256a	ML1m																																																																																																																																																																																																																																																																																																																
59	MB8125E	1024	1	S	MNG	95n	60n\$	325m	0.0	5.0	.80	2.1s	7.0m	.45	0	7	A256a	ML1m																																																																																																																																																																																																																																																																																																																
60	MBM2115E	1024	1	S	MNG	95n	60n\$	325m	0.0	5.0	.80	2.1Δ	12m	.45	0	7	A256a	ML1m																																																																																																																																																																																																																																																																																																																
61	MBM2125E	1024	1	S	MNG	95n	60n\$	325m	0.0	5.0	.80	2.1s	7.0m	.45	0	7	A256a	ML1m																																																																																																																																																																																																																																																																																																																
62	P2115	1024	1	S	MNG	95n	50n\$	500m	0.0	5.0	.80	2.1s	12m	.45	0	8	A256	ML89a																																																																																																																																																																																																																																																																																																																
63	P2115L	1024	1	S	MNG	95n	50n\$	200u	0.0	5.0	.80	2.1s	12m	.45	0	8	A256	ML89a																																																																																																																																																																																																																																																																																																																
64	P2125	1024	1	S	MNG	95n	50n\$	500m	0.0	5.0	.80	2.1																																																																																																																																																																																																																																																																																																																						

2. READ-WRITE MEMORIES (RAMS)

IN ORDER OF (1)No.WORDS(2)No.BITS/WORD
(3)MODE(4)STRUCT.(5)MAX. ACC.TIME(6)TYPE No.

MEMORY

LINE No.	TYPE No.	ORGANIZATION		3	4	5	6	7	8	9	RATED POWER SUP.		INPUT LOGIC LEVELS		MIN OUTPUT SINK CURRENT		MIN CLOC FREQ. (Hz)	OPER. TEMP. RANGE CODE	DRAWINGS									
		1	2								M	O	D	E	STRUCTURE CODE	MAX ACCESS TIME (s)			MAX WRITE CYCLE TIME (s)	MAX OPER. POWER DISS. (W)	NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)	(A)	@ (V)	LOGIC/BLOCK	OUTLINE
1	TMS4034/2102-2JL	1024	1	S	MNG	650n	650n*	350m	0.0	5.0	.65	2.2s	1.9m	.45		0	7	A203	ML206									
2	TMS4034/2102-2NL	1024	1	S	MNG	650n	650n*	350m	0.0	5.0	.65	2.2s	1.9m	.45		0	7	A203	ML209									
3	IM7552CDE	1024	1	S	MNG	1.0u	500n*	300m	0.0	5.0	.80	2.0s	3.2m	.45		0	7	A109	ML1a									
4	IM7552CPE	1024	1	S	MNG	1.0u	500n*	300m	0.0	5.0	.80	2.0s	3.2	.45		0	7	A109	ML2g									
5	IM7552MDE	1024	1	S	MNG	1.0u	500n*	400m	0.0	5.0	.80	2.0s	1.9m	.40		5	C	A109	ML1a									
6	IM7552MPE	1024	1	S	MNG	1.0u	500n*	400m	0.0	5.0	.80	2.0s	1.9m	.40		5	C	A109	ML2g									
7#	M330AD1	1024	1	S	MNG	1.0u	1.0u*	150m†	0.0	5.0	.65	2.2	1.9m	.45		0	7	A158	ML15g									
8#	M58751P2	1024	1	S	MNG	1.0u	1.0u*	200m	0.0	5.0	.65	2.2	2.1m	.40		0	7	A109	ML136									
9	MCM2102L	1024	1	S	MNG	1.0u	1.0u*	350m†	0.0	5.0	.45%	2.4	1.9m	.45		0	7	A187	ML157a									
10	MCM2102P	1024	1	S	MNG	1.0u	1.0u*	350m†	0.0	5.0	.45%	2.4	1.9m	.45		0	7	A187	ML145									
11#	MF2102#1	1024	1	S	MNG	1.0u	1.0u*	150m†	0.0	5.0	.65	2.2	1.9m	.45		0	7	A118	ML2a									
12#	MF2102#2	1024	1	S	MNG	1.0u	1.0u*	150m†	0.0	5.0	.65	2.2	1.9m	.45		0	7	A118	ML1b									
13	MK4102P	1024	1	S	MNG	1.0u	1.0u*	350m	0.0	5.0	.65	2.2s	3.2m	.40		0	7	A109	ML22									
14	S3102	1024	1	S	MNG	1.0u	1.0u*	1.0	0.0	5.0	.65	2.2	1.9m	.45		0	7	A88	ML153									
15#	SAB2102	1024	1	S	MNG	1.0u	750n*	350m†	0.0	5.0	.65	2.2s	1.9m	.45		0	7	A192	ML2n									
16	SYC21L02	1024	1	S	MNG	1.0u	1.0u*	1.0	0.0	5.0	.65	2.2	1.9m	.45		0	7	A380	ML107a									
17	SY21L02	1024	1	S	MNG	1.0u	1.0u*	1.0	0.0	5.0	.65	2.2	1.9m	.45		0	7	A380	ML222									
18	TMS4035/2102JL	1024	1	S	MNG	1.0u	1.0u*	350m	0.0	5.0	.65	2.2s	1.9m	.45		0	7	A203	ML206									
19	TMS4035/2102NL	1024	1	S	MNG	1.0u	1.0u*	350m	0.0	5.0	.65	2.2s	1.9m	.45		0	7	A203	ML209									
20	C2102-8	1024	1	S	MNG	1.5u	2.0u*	1.0	0.0	5.0	.65	3.0	1.5m	.50		1	5	A118	ML10c									
21	P2102-8	1024	1	S	MNG	1.5u	2.0u*	1.0	0.0	5.0	.65	3.0	1.5m	.50		1	5	A118	ML4j									
22	SY21H02-1	1024	1	S	MNI	150n	150n*	1.0	0.0	5.0	.80	2.0	2.1m	.40		0	5	PN16e	ML7									
23	91700112-6D	1024	1	S	MNX	60n	180n*	510m†	0.0	15	.80	2.4	2.0uΔ			0	7	A162	ML7									
24	91700112-6DP	1024	1	S	MNX	60n	180n*	510m†	0.0	15	.80	2.4	2.0uΔ			0	7	A162	ML7									
25	1802	1024	1	S	MNX	70n	165n*	1.6	3.5	15	1.0	4.0				0	7		ML134b									
26	91700115-6D	1024	1	S	MNX	70n	200n*	550m†	0.0	15	.80	2.4	2.0uΔ			5	8	A162	ML7									
27	91700116-6D	1024	1	S	MNX	80n	250n*	550m†	0.0	15	.80	2.4	2.0uΔ			5	C	A162	ML7									
28	IM7001-12CDF	1024	1	S	MNX	80n	250n*	240u%	0.0	12	.80	2.4				0	7	A322	ML241									
29	IM7001-12CPF	1024	1	S	MNX	80n	250n*	240u%	0.0	12	.80	2.4				0	7	A322	ML212c									
30	uPD405D	1024	1	S	MNX	85n	190n	100u%	5.0	12	.60	2.7	3.2m	.40		0	7	A220										
31	1801	1024	1	S	MNX	90n	175n*	1.6	3.5	15	1.0	4.0s	1.6m	.50		0	7		ML134b									
32	IM7001-15CDF	1024	1	S	MNX	90n	250n*	260u%	0.0	12	.80	2.4				5	8	A322	ML241									
33	uPD2115-2	1024	1	S	MNX	90n	50n*	500m	0.0	5.0	.80	2.1Δ	12m	.45		0	7	A311	ML7									
34	uPD2125-2	1024	1	S	MNX	90n	50n*	500m	0.0	5.0	.80	2.1s	12m	.45		0	7	A311	ML7									
35	IM7001-16CDF	1024	1	S	MNX	100n	300n*	260u%	0.0	12	.80	2.4				5	C	A322	ML241									
36	uPD2115-1	1024	1	S	MNX	120n	60n*	500m	0.0	5.0	.80	2.1Δ	12m	.45		0	7	A311	ML7									
37	uPD2125-1	1024	1	S	MNX	120n	60n*	500m	0.0	5.0	.80	2.1s	12m	.45		0	7	A311	ML7									
38	SYC21H02	1024	1	S	MNX	175n	175n*	1.0	0.0	5.0	.80	2.0	2.1m	.40		0	5	A118	ML107a									
39	SY21H02	1024	1	S	MNX	175n	175n*	1.0	0.0	5.0	.80	2.0	2.1m	.40		0	5	A118	ML222									
40	SYC21H02-2	1024	1	S	MNX	200n	200n*	1.0	0.0	5.0	.80	2.0	2.1m	.40		0	5	A118	ML107a									
41	SY21H02-2	1024	1	S	MNX	200n	200n*	1.0	0.0	5.0	.80	2.0	2.1m	.40		0	5	A118	ML222									
42#	HM3503-1	1024	1	S	MON	150n	340n	1.0	0.0	19	.05	17	10uΔ	0.0		0	7	A2	ML121									
43	S4006	1024	1	S	MPI	400n	650n*	450m	12	5.0	.80	4.0	1.0m	0.0		0	7	A35	ML110									
44	S4006R	1024	1	S	MPI	400n	650n*	450m	12	5.0	.80	4.0	1.6m	.40		0	7	A35a	ML110									
45	MCM1175L	1024	1	S	MPX	150n†	250n†		30	0.0	2.0	18				0	7	A69	ML77									
46	MCM1172L	1024	1	S	MPX	350n†	860n*	75u%†	0.0	23	2.0	18				0	7	A9a	ML97									
47	MCM1173L	1024	1	S	MPX	350n†	860n*	75u%†	0.0	23	2.0	18				0	7	A9	ML95									
48	SYC2102A-2	1024	1	S	MXX	250n	250n*	1.0	0.0	5.0	.80	2.0s	2.1m	.40		0	7	A118	ML107a									
49	SY2102A-2	1024	1	S	MXX	250n	250n*	1.0	0.0	5.0	.80	2.0s	2.1m	.40		0	7	A118	ML222									
50	SYC2102A-4	1024	1	S	MXX	450n	450n*	1.0	0.0	5.0	.80	2.0s	2.1m	.40		0	7	A118	ML107a									
51	SY2102A-4	1024	1	S	MXX	450n	450n*	1.0	0.0	5.0	.80	2.0s	2.1m	.40		0	7	A118	ML222									
52	SYC2102-1	1024	1	S	MXX	500n	500n*	1.0	0.0	5.0	.65	2.2	2.1m	.40		0	7	A118	ML107a									
53	SY2102-1	1024	1	S	MXX	500n	500n*	1.0	0.0	5.0	.65	2.2	2.1m	.40		0	7	A118	ML222									
54	SYC2102-6	1024	1	S	MXX	650n	650n*	1.0	0.0	5.0	.65	2.2	2.1m	.40		0	7	A118	ML107a									
55	SY2102-6	1024	1	S	MXX	650n	650n*	1.0	0.0	5.0	.65	2.2	2.1m	.40		0	7	A118	ML222									
56	TMS4025NC	1024	2	D	MPT	280n	640n*	100m	16	2.0	-15	-1.5	1.0uΔ	-16	500 Δ	2	7	A72	ML72									
57	TMS4020NC	1024	2	D	MPT	320n	640n*	300m†	16	2.0	-15	-1.5	1.0uΔ	-16	500 Δ	2	7	A72	ML72									
58	RAM125-28A#3	1024s	2	S	BTX	125n	130n*	3.8	5.0	5.0	.80	2.0	30mΔ			1	8	A58a	PL3									
59	RAM28A#3	1024s	2	S	BTX	180n	200n	2.8	5.0	5.0	.80	2.0	20m	.40		1	8	A58	PL3									
60	RAM228A#3	1024s	2	S	BTX	180n	155n*	3.9	5.0	5.0	.80	2.0	30mΔ			1	8	A58a	PL3									
61	RAM328A#3	1024s	2	S	BTX	300n	300n*	2.8	5.0	5.0	.80	2.0	30mΔ			1	5	A58a	PL3									
62	CM240A	1024	2	S	HXX	400n	600n*	400u%†	0.0	5.0	.80	2.0	16m	.40		0	7	A25	ML11									
63	SMA2002	1024	2	S	MXX	125n†	150n†	1.3	5.0	5.0	.80	2.0	16m	.40		0	7	A65a	ML75a									
64	S4016/2114	1024	4	S		200n	200n	500m	0.0	5.0	.80	2.0	8.0m	.40		0	7											
65	IM7114L2CPN	1024	4	S		200n	200n*	265m	0.0	5.0	.80	2.0	3.2m	.40		0	7	A268	ML165d									
66	IM7114L3CPN	1024	4	S		300n	300n*	265m	0.0	5.0	.80	2.0	3.2m	.40		0	7	A268	ML165d									
67#	MB7067	1024	4	S	BTX	35n	25n	625m	0.0	5.0	.85	2.1	16m	.45		0	7		ML7									
68	RAM125-48A#4	1024s	4	S	BTX	125n	130n*	4.9	5.0	5.0	.80	2.0	30mΔ			1	8	A58a	PL3									
69	RAM48A#4	1024s	4	S	BTX	180n	200n	3.9	5.0	5.0	.80	2.0	20m	.40		1	8	A58	PL3									
70	RAM248A#4	1024s	4	S	BTX	180n	155n*	3.9	5.0	5.0	.80	2.0	30mΔ			1	8	A58a	PL3									
71	RAM348A#4	1024	4	S	BTX	300n	300n*	3.9	5.0	5.0	.80	2.0	30mΔ			1	5	A58a	PL3									
72	CM2400	1024	4	S	HXX	400n	600n*	400u%†	0.0	5.0	.80	2.0	16m	.40		0	7	A25	ML11									
73#	HM6148PLP-3	1024	4	S	MCG	55n	55n	150m	0.0	5.0	.80	2.4				0	7	A268	ML165e									
74#	HM6148PLP	1024	4	S	MCG	70n	70n	150m	0.0	5.0	.80	2.4				0	7	A268	ML165e									
75	HM3-6514-2	1024	4	S	MCG	270n	240n*	250u†	0.0	5.0	.80	3.0s	2.0m	.45		5	C	A372	ML305									
76	HM9-6514-9	1024	4	S																								

2. READ-WRITE MEMORIES (RAMS)

IN ORDER OF (1)No.WORDS(2)No.BITS/WORD
(3)MODE(4)STRUCT.(5)MAX. ACC.TIME(6)TYPE No.

LINE No.	TYPE No.	ORGANIZATION			MODE	STRUCTURE CODE	MAX ACCESS TIME (s)	MAX WRITE CYCLE TIME (s)	MAX OPER. POWER DISS. (W)	RATED POWER SUP.		INPUT LOGIC LEVELS		MIN OUTPUT SINK CURRENT @ OUT		MIN CLOCK FREQ. (Hz)	OPER. TEMP. RANGE CODE	DRAWINGS			
		No. WORDS	BITS PER WORD	M O D E						NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)	(A)	(V)			-	+	LOGIC/BLOCK	OUTLINE
1	TMS4047-20NL	1024	4	S	MNG	200n	200n*	550m	0.0	5.0	.80	2.0s	3.2m	40	0	7	A339a	ML161f			
2	MK4114P-4	1024	4	S	MNG	250n	250n*	150mt	0.0	5.0	.80	2.0	5.0m	40	0	7	A304	ML134g			
3	TMS40145-25JDL	1024	4	S	MNG	250n	250n*	330m	0.0	5.0	.80	2.0s	3.2m	40	0	7	A339	ML210d			
4	TMS40L45-25JL	1024	4	S	MNG	250n	250n*	330m	0.0	5.0	.80	2.0s	3.2m	40	0	7	A339	ML3b			
5	TMS40L47-25JDL	1024	4	S	MNG	250n	250n*	330m	0.0	5.0	.80	2.0s	3.2m	40	0	7	A339a	ML260			
6	TMS4047-25JL	1024	4	S	MNG	250n	250n*	330m	0.0	5.0	.80	2.0s	3.2m	40	0	7	A339a	ML213a			
7	TMS40L47-25NL	1024	4	S	MNG	250n	250n*	330m	0.0	5.0	.80	2.0s	3.2m	40	0	7	A339	ML161f			
8	TMS4045-25JDL	1024	4	S	MNG	250n	250n*	550m	0.0	5.0	.80	2.0s	3.2m	40	0	7	A339	ML210d			
9	TMS4045-25JL	1024	4	S	MNG	250n	250n*	550m	0.0	5.0	.80	2.0s	3.2m	40	0	7	A339	ML3b			
10	TMS4045-25NL	1024	4	S	MNG	250n	250*	550m	0.0	5.0	.80	2.0s	3.2m	40	0	7	A339	ML3k			
11	TMS4047-25JDL	1024	4	S	MNG	250n	250n*	550m	0.0	5.0	.80	2.0s	3.2m	40	0	7	A339a	ML260			
12	TMS4047-25JL	1024	4	S	MNG	250n	250n*	550m	0.0	5.0	.80	2.0s	3.2m	40	0	7	A339a	ML213a			
13	TMS4047-25NL	1024	4	S	MNG	250n	250n*	550m	0.0	5.0	.80	2.0s	3.2m	40	0	7	A339a	ML161f			
14	2114-3CA	1024	4	S	MNG	300n	300n*	500m	0.0	5.0	.80	2.0s	2.1m	40	0	7	A377	ML3j			
15	C2114-3	1024	4	S	MNG	300n	300n*	710m	0.0	5.0	.80	2.4s	2.1m	40	0	7	A268	ML115c			
16	C2114L3	1024	4	S	MNG	300n	300n*	370m	0.0	5.0	.80	2.4s	2.1m	40	0	7	A268	ML115c			
17	L2114-3CA	1024	4	S	MNG	300n	300n*	368m	0.0	5.0	.80	2.0s	2.1m	40	0	7	A377	ML3j			
18	M2214-3MA	1024	4	S	MNG	300n	300n*	300n	0.0	5.0	0.8	2.0s	1.0uΔ	40	0	7	A465	ML383			
19#	MB8114N	1024	4	S	MNG	300n	300n	150mt	0.0	5.0	.80	2.0	2.1m	40	0	7	A268	ML134b			
20	MK4114P-5	1024	4	S	MNG	300n	300n	315mt	0.0	5.0	.80	2.0	5.0m	40	0	7	A304	ML134g			
21	N2114-UCB	1024	4	S	MNG	300n	300n*	315mt	0.0	5.0	0.8	2.0s	1.0uΔ	40	0	7	A464	ML382			
22	N2114-UCF	1024	4	S	MNG	300n	300n*	315mt	0.0	5.0	0.8	2.0s	1.0uΔ	40	0	7	A464	ML382			
23	TMS40L45-30JL	1024	4	S	MNG	300n	300n	1.0	0.0	5.0	.80	2.0s	2.0m	40	0	7	A339	ML134d			
24	TMS40L45-30NL	1024	4	S	MNG	300n	300n	1.0	0.0	5.0	.80	2.0s	2.0m	40	0	7	A339	ML3			
25	TMS40L47-30JL	1024	4	S	MNG	300n	300n	1.0	0.0	5.0	.80	2.0s	2.0m	40	0	7	A339a	ML260			
26	TMS40L47-30NL	1024	4	S	MNG	300n	300n	1.0	0.0	5.0	.80	2.0s	2.0m	40	0	7	A339a	ML161			
27	TMS4045-30JL	1024	4	S	MNG	300n	300n	1.0	0.0	5.0	.80	2.0s	2.0m	40	0	7	A339	ML134d			
28	TMS4045-30NL	1024	4	S	MNG	300n	300n	1.0	0.0	5.0	.80	2.0s	2.0m	40	0	7	A339	ML3			
29	TMS4047-30JL	1024	4	S	MNG	300n	300n	1.0	0.0	5.0	.80	2.0s	2.0m	40	0	7	A339a	ML260			
30	TMS4047-30NL	1024	4	S	MNG	300n	300n	1.0	0.0	5.0	.80	2.0s	2.0m	40	0	7	A339a	ML161			
31	C2114	1024	4	S	MNG	450n	450n*	710m	0.0	5.0	.80	2.4s	2.1m	40	0	7	A268	ML115c			
32	C2114L	1024	4	S	MNG	450n	450n*	370m	0.0	5.0	.80	2.4s	2.1m	40	0	7	A268	ML115C			
33	MM2114N-055	1024	4	S	MNG	450n	450n	475m	0.0	5.0	.80	2.4s	2.1m	40	0	5	A268	ML196			
34	TMS40L45-45JDL	1024	4	S	MNG	450n	450n*	330m	0.0	5.0	.80	2.0s	3.2m	40	0	7	A339	ML210d			
35	TMS40L45-45JL	1024	4	S	MNG	450n	450n*	330m	0.0	5.0	.80	2.0s	3.2m	40	0	7	A339	ML3b			
36	TMS40L47-45JDL	1024	4	S	MNG	450n	450n*	330m	0.0	5.0	.80	2.0s	3.2m	40	0	7	A339a	ML260			
37	TMS40L47-45JL	1024	4	S	MNG	450n	450n*	330m	0.0	5.0	.80	2.0s	3.2m	40	0	7	A339a	ML213a			
38	TMS40L47-45NL	1024	4	S	MNG	450n	450n*	330m	0.0	5.0	.80	2.0s	3.2m	40	0	7	A339a	ML161f			
39	TMS4045-45JDL	1024	4	S	MNG	450n	450n*	550m	0.0	5.0	.80	2.0s	3.2m	40	0	7	A339	ML210d			
40	TMS4045-45JL	1024	4	S	MNG	450n	450n	550m	0.0	5.0	.80	2.0s	3.2m	40	0	7	A339	ML3b			
41	TMS4045-45NL	1024	4	S	MNG	450n	450n	550m	0.0	5.0	.80	2.0s	3.2m	40	0	7	A339	ML3k			
42	TMS4047-45JDL	1024	4	S	MNG	450n	450n	550m	0.0	5.0	.80	2.0s	3.2m	40	0	7	A339a	ML260			
43	TMS4047-45JL	1024	4	S	MNG	450n	450n	550m	0.0	5.0	.80	2.0s	3.2m	40	0	7	A339a	ML213a			
44	TMS4047-45NL	1024	4	S	MNG	450n	450n	550m	0.0	5.0	.80	2.0s	3.2m	40	0	7	A339a	ML161f			
45	4104BCC	1024	4	S	MNX	150n	300n*	1.6	0.0	5.0	.70	2.4s	2.0m	50	0	7	A283	ML8r			
46	4104BCP	1024	4	S	MNX	150n	300n*	1.6	0.0	5.0	.70	2.4s	2.0m	50	0	7	A283	ML212a			
47	4104ACC	1024	4	S	MNX	200n	350n*	1.6	0.0	5.0	.70	2.4s	2.0m	50	0	7	A283	ML8r			
48	4104AFC	1024	4	S	MNX	200n	350n*	1.6	0.0	5.0	.70	2.4s	2.0m	50	0	7	A283	ML212a			
49	4104USC	1024	4	S	MNX	200n	350n*	750m	0.0	5.0	.70	2.4s	2.0m	50	0	8	A283	ML162b			
50	M4104USC	1024	4	S	MNX	200n	350n*	750m	0.0	5.0	.70	2.4s	2.0m	50	0	8	A283	ML162b			
51	4104	1024	4	S	MNX	225n	400n*	500m	0.0	5.0	.70	3.0	2.0m	50	0	7	A283	ML162b			
52	4104UMC	1024	4	S	MNX	250n	400n*	500m	0.0	5.0	.70	2.4s	2.0m	50	0	7	A283	ML162b			
53	M4104UMC	1024	4	S	MNX	250n	400n*	500m	0.0	5.0	.70	2.4s	2.0m	50	0	7	A283	ML162b			
54	M2114-3CJN	1024	4	S	MNX	300n	300n*	1.0	0.0	5.0	.70	2.0	1.0uΔ	40	0	7	A268	ML398			
55	4804C	1024	4	S	MNX	350n	350n*	500m	0.0	5.0	.80	2.4s	2.0m	50	0	7	A287	ML210b			
56	4804B	1024	4	S	MNX	400n	400n*	500m	0.0	5.0	.80	2.4s	2.0m	50	0	7	A287	ML210b			
57	4804BCC	1024	4	S	MNX	400n	400n*	1.6	0.0	5.0	.80	2.4s	2.0m	40	0	7	A329	ML19			
58	2114UCA	1024	4	S	MNX	450n	300n†	1.0	0.0	5.0	.80	2.4s	2.1m	40	0	7	A328	ML134b			
59	2114USA	1024	4	S	MNX	450n	450n*	448	0.0	5.0	.80	2.4s	2.1m	40	0	7	A328	ML134k			
60	4804A	1024	4	S	MNX	450n	450n*	500m	0.0	5.0	.80	2.4s	2.0m	50	0	7	A287	ML210b			
61	4804ACC	1024	4	S	MNX	450n	450n*	1.6	0.0	5.0	.80	2.4s	2.0m	40	0	7	A329	ML19			
62	IM2114-CJN	1024	4	S	MNX	450n	450n*	525	0.0	5.0	.80	2.0	1.0uΔ	40	0	7	A268	ML398			
63	L2114UCA	1024	4	S	MNX	450n	450n*	315	0.0	5.0	.80	2.0s	2.1m	40	0	7	A377	ML3j			
64	M2114-USA	1024	4	S	MNX	450n	450n*	448	0.0	5.0	.80	2.4s	2.1m	40	0	7	A328	ML134k			
65	4804	1024	4	S	MNX	600n	600n*	500m	0.0	5.0	.80	2.4s	2.0m	50	0	7	A329	ML210b			
66	4804UCC	1024	4	S	MNX	600n	600n*	1.6	0.0	5.0	.80	2.4s	2.0m	40	0	7	A329	ML19			
67	S2114H	1024	4	S	MXX	70n	70n*	750m	0.0	5.0	.80	2.0s	8.0m	40	0	7	A268	ML3d			
68	S2114-1CC	1024	4	S	MXX	150n	150n*	475m	0.0	5.0	.80	2.0s	8.0m	40	0	7	A268	ML3e			
69	S2114-1PC	1024	4	S	MXX	150n	150n*	475m	0.0	5.0	.80	2.0s	8.0m	40	0	7	A268	ML3d			
70	S2114A1PC	1024	4	S	MXX	150n	150n*	225m	0.0	5.0	.80	2.0s	8.0m	40	0	7	A268	ML3e			
71	S2114A1PC	1024	4	S	MXX	150n	150n*	225m	0.0	5.0	.80	2.0s	8.0m	40	0	7	A268	ML3d			
72	S2114L1CC	1024	4	S	MXX	150n	150n*	325m	0.0	5.0	.80	2.0s	8.0m	40	0	7	A268	ML3e			
73	S2114L1PC	1024	4	S	MXX	150n	150n*	325m	0.0	5.0	.80	2.0s	8.0m	40	0	7	A268	ML3d			
74	S2114-2CC	1024	4	S	MXX	200n	200n*	475m	0.0	5.0	.80	2.0s	8.0m	40	0	7	A268	ML3e			
75	S2114-2PC	1024	4	S	MXX	200n	200n*	475m	0.0	5.0	.80	2.0s	8.0m	40	0	7	A268	ML3d			
76	S2114A2CC	1024	4	S	MXX	200n	200n*	225m	0.0	5.0	.80	2.0s	8.0m	40	0	7	A268	ML3e			
77	S2114A2PC	1024	4	S	MXX																

MEMORY

2. READ-WRITE MEMORIES (RAMS)

IN ORDER OF (1)No.WORDS(2)No.BITS/WORD
(3)MODE(4)STRUCT.(5)MAX. ACC.TIME(6)TYPE No.

LINE No.	TYPE No.	ORGANIZATION		3	4	5	6	7	8	9	RATED POWER SUP.		INPUT LOGIC LEVELS		MIN OUTPUT SINK CURRENT		MIN CLOCK FREQ. (Hz)	OPER. TEMP. RANGE CODE		DRAWINGS								
		1	2								NO. WORDS	BITS PER WORD	MODE	STRUCTURE CODE	MAX ACCESS TIME (s)	MAX WRITE CYCLE TIME (s)		MAX OPER. POWER DISS. (W)	NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)	(A)	@ OUT (V)	+	-	LOGIC/BLOCK	OUTLINE
1	MM5262N	2048	1	D	MPG	365n	635n*	400m	15	5.0	.80	3.5	1.0uΔ	0.0	500 Δ	0	7	A207	ML197									
2	CM1801	2048	1	D	MPG	450n†	800nΔ*	13	5.0	1.0	3.5	1.0uΔ	0.0	500 Δ	0	7	A23	ML21										
3	MM4262D	2048	1	D	MPG	470n	750n*	360m	15	5.0	.80	3.5	1.0uΔ	0.0	1.0kΔ	5	C	A207	ML201									
4	IM6003-11CDF	2048	1	D	MPX	350n	575n*	140u%	15	8.0	.50	3.5	600uΔ	.40	500 Δ	0	7	A321	ML241									
5	91600311	2048	1	D	MPX	360n	595n*	200m	15	5.0	.50	3.5	600uΔ	.40	500 Δ	0	7	A87	ML8									
6	IM6003-10CDF	2048	1	D	MPX	460n	695n*	130u%	15	8.5	.50	4.0	600uΔ	.40	500 Δ	0	7	A321	ML241									
7	RAM125-28A#2	2048*	1	S	BTX∅	125n∅	130n*∅	3.8 †	5.0	5.0	.80	2.0	30m∅	.40	1.0kΔ	1	8	A58a	PL3									
8	RAM28A#2	2048*	1	S	BTX∅	180n	200n	2.8 †	5.0	5.0	.80	2.0	30m∅	.40	1.0kΔ	1	8	A58a	PL3									
9	RAM228A#2	2048*	1	S	BTX∅	180n∅	155n*∅	2.8 †	5.0	5.0	.80	2.0	30m∅	.40	1.0kΔ	1	8	A58a	PL3									
10	RAM328A#2	2048*	1	S	BTX∅	300n∅	300n*∅	2.8 †	5.0	5.0	.80	2.0	30m∅	.40	1.0kΔ	1	8	A58a	PL3									
11	CM2405	2048	1	S	HXX	400n∅	600n∅	400u%†	0.0	5.0	.80	2.0	16m	.40	500 Δ	0	7	A25	ML11									
12	HM9-6503-9	2048	1	S	MCG	270n∅	350n*∅	250uΔ	0.0	5.0	.80	3.0*	2.0m	.40	500 Δ	0	7	A400	FL53									
13	HM9-6503-5	2048	1	S	MCG	320n∅	420n*∅	2.5m*	0.0	5.0	.80	3.0*	1.6m	.40	500 Δ	0	7	A400	FL53									
14	IM7003	2048	1	S	MNG	60n	180n*	300u%	3.0	15	.80	2.0	30m∅	.40	500 Δ	0	7	PN22g	ML241									
15	IM7003-12CDF	2048	1	S	MNX	60n	180n*	250u%	0.0	15	.80	2.4	30m∅	.40	500 Δ	0	7	A323	ML212c									
16	IM7003-12CPF	2048	1	S	MNX	60n	180n*	250u%	0.0	15	.80	2.4	30m∅	.40	500 Δ	0	7	A323	ML212c									
17	SMA2001	2048	1	S	MXX	125n†	150n†	1.3 †	5.0	5.0	.80	2.0	16m	.40	500 Δ	0	7	A65	ML75									
18	RAM125-48A#3	2048*	2	S	BTX∅	125n∅	130n*∅	4.9 †	5.0	5.0	.80	2.0	30m∅	.40	500 Δ	0	7	A58a	PL3									
19	RAM48A#3	2048*	2	S	BTX∅	180n	200n	3.9 †	5.0	5.0	.80	2.0	20m	.40	500 Δ	0	7	A58	PL3									
20	RAM248A#3	2048*	2	S	BTX∅	180n∅	155n*∅	3.9 †	5.0	5.0	.80	2.0	30m∅	.40	500 Δ	0	7	A58a	PL3									
21	RAM348A#3	2048*	2	S	BTX∅	300n∅	300n*∅	3.9 †	5.0	5.0	.80	2.0	30m∅	.40	500 Δ	0	7	A58a	PL3									
22	PD550#1	2048*	2	S	HXX	100n†	125n†	2.0 †	0.0	5.0	-.35	-.08	16m	.40	500 Δ	0	7	A6	FL1									
23	CM2401	2048	2	S	HXX	400n∅	600n∅	400u%†	0.0	5.0	.80	2.0	20m	.40	500 Δ	0	7	A25	ML11									
24	RAM88B#4	2048*	4	S	BTX∅	180n	200n	6.6 †	5.0	5.0	.80	2.0	30m∅	.40	500 Δ	0	7	A58b	PL3a									
25	RAM288B#4	2048*	4	S	BTX∅	180n∅	155n*∅	6.6 †	5.0	5.0	.80	2.0	30m∅	.40	500 Δ	0	7	A58c	PL3a									
26	RAM388B#4	2048*	4	S	BTX∅	300n∅	300n*∅	6.6 †	5.0	5.0	.80	2.0	30m∅	.40	500 Δ	0	7	A58c	PL3a									
27	25C16	2048	8	D	HNC∅	150n	275n	15	6.0	10	.80†	2.0†	15m#	5.0	167kΔ	1	5	A58c	PL5									
28	30C50	2048	8	D	HNC∅	220n	350n	15	6.0	10	.80†	2.0†	15m#	5.0	167kΔ	1	5	PL5	PL5									
29	15C06	2048	8	S	BTX∅	125n	150n	48	0.0	5.0	.80†	2.0†	15m#	5.0	167kΔ	1	5	PL5	PL5									
30	TMS4016-15JDL	2048	8	S	MNG	150n	150n*	475m	0.0	5.0	.80	2.0*	2.0m	.40	500 Δ	0	7	PN24e	ML207k									
31	TMS4016-15JL	2048	8	S	MNG	150n	150n*	475m	0.0	5.0	.80	2.0*	2.0m	.40	500 Δ	0	7	PN24e	ML30k									
32	TMS4016-15NL	2048	8	S	MNG	150n	150n*	475m	0.0	5.0	.80	2.0*	2.0m	.40	500 Δ	0	7	PN24e	ML72f									
33	TMS4016-20JDL	2048	8	S	MNG	200n	200n*	475m	0.0	5.0	.80	2.0*	2.0m	.40	500 Δ	0	7	PN24e	ML207k									
34	TMS4016-20JL	2048	8	S	MNG	200n	200n*	475m	0.0	5.0	.80	2.0*	2.0m	.40	500 Δ	0	7	PN24e	ML30k									
35	TMS4016-20NL	2048	8	S	MNG	200n	200n*	475m	0.0	5.0	.80	2.0*	2.0m	.40	500 Δ	0	7	PN24e	ML72f									
36	TMS4016-25JDL	2048	8	S	MNG	250n	250n*	475m	0.0	5.0	.80	2.0*	2.0m	.40	500 Δ	0	7	PN24e	ML207k									
37	TMS4016-25JL	2048	8	S	MNG	250n	250n*	475m	0.0	5.0	.80	2.0*	2.0m	.40	500 Δ	0	7	PN24e	ML30k									
38	TMS4016-25NL	2048	8	S	MNG	250n	250n*	475m	0.0	5.0	.80	2.0*	2.0m	.40	500 Δ	0	7	PN24e	ML72f									
39	TMS4016-45JDL	2048	8	S	MNG	450n	450n*	475m	0.0	5.0	.80	2.0*	2.0m	.40	500 Δ	0	7	PN24e	ML207k									
40	TMS4016-45JL	2048	8	S	MNG	450n	450n*	475m	0.0	5.0	.80	2.0*	2.0m	.40	500 Δ	0	7	PN24e	ML30k									
41	TMS4016-45NL	2048	8	S	MNG	450n	450n*	475m	0.0	5.0	.80	2.0*	2.0m	.40	500 Δ	0	7	PN24e	ML72f									
42	S4028-2	2048	8	S	MXX	200n	200n*	525m	0.0	5.0	.80	2.0*	8.0m	.40	500 Δ	0	7	A413	ML21									
43	S4028-3	2048	8	S	MXX	300n	300n*	525m	0.0	5.0	.80	2.0*	8.0m	.40	500 Δ	0	7	A413	ML21									
44	25C15	2048	9	D	HNC∅	150n	275n	16	6.0	10	.80†	2.0†	15m#	5.0	167kΔ	1	5	PL5	PL5									
45	30C91	2048	9	D	HNC∅	220n	350n	16	6.0	10	.80†	2.0†	15m#	5.0	167kΔ	1	5	PL5	PL5									
46	15C10	2048	9	S	BTX∅	125n	150n	55	0.0	5.0	.80†	2.0†	15m#	5.0	167kΔ	1	5	PL5	PL5									
47	25C14	2048	16	D	HNC∅	150n	275n	23	6.0	10	.80†	2.0†	15m#	5.0	167kΔ	1	5	PL5	PL5									
48	30C83	2048	16	D	HNC∅	220n	350n	23	6.0	10	.80†	2.0†	15m#	5.0	167kΔ	1	5	PL5	PL5									
49	25C13	2048	18	D	HNC∅	150n	275n	26	6.0	10	.80†	2.0†	15m#	5.0	167kΔ	1	5	PL5	PL5									
50	30C89	2048	18	D	HNC∅	220n	350n	26	6.0	10	.80†	2.0†	15m#	5.0	167kΔ	1	5	PL5	PL5									
51	S4017-3	4096	1	D	HNC∅	55n	55n	900m	0.0	5.0	.80	2.1	12m	.45	500 Δ	0	7	PL5	PL5									
52	S4017-4	4096	1	D	HNC∅	55n	55n	750m	0.0	5.0	.80	2.1	12m	.45	500 Δ	0	7	PL5	PL5									
53	S4017-2	4096	1	D	HNC∅	70n	70n	800m	0.0	5.0	.80	2.1	12m	.45	500 Δ	0	7	PL5	PL5									
54	S4017-1	4096	1	D	HNC∅	90n	90n	800m	0.0	5.0	.80	2.1	12m	.45	500 Δ	0	7	PL5	PL5									
55	TMS21L47-7L	4096	1	D	MNG	70n*	70n*	770m	0.0	5.0	.80	2.0	3.2m	.40	500 Δ	0	7	PN18e	ML21									
56	MW4051DV2	4096	1	D	MNX	200n	400n	460m†	5.0	12	.60	2.4	3.2m	.40	500 Δ	0	7	PN18e	ML21									
57	MW4051DV1	4096	1	D	MNX	250n	430n	460m†	5.0	12	.60	2.4	3.2m	.40	500 Δ	0	7	PN18e	ML21									
58	MW4104DV2	4096	1	D	MNX	250n	400n	380m†	5.0	5.0	.60	2.4	3.2m	.40	500 Δ	0	7	PN16j	ML21									
59	MW4051D	4096	1	D	MNX	300n	470n	460m†	5.0	12	.60	2.4	3.2m	.40	500 Δ	0	7	PN18e	ML21									
60	MW4104DV1	4096	1	D	MNX	300n	430n	380m†	5.0	5.0	.60	2.4	3.2m	.40	500 Δ	0	7	PN16j	ML21									
61	MW4104D	4096	1	D	MNX	350n	470n	380m†	5.0	5.0	.60	2.4	3.2m	.40	500 Δ	0	7	PN16j	ML21									
62	MW55004D	4096	1	D	MXX	175n†	25m†	42m	5.0	10	.80	7.0	3.5m	.50	500 Δ	0	7	ML21	ML21									
63#	HM4503	4096	1	D	MXX	400n*	740n*	42m	5.0	12	.80	3.0	3.5m	.50	500 Δ	0	7	A14a	ML8q									
64	Am91L40CDC	4096	1	D	MNG	470n*	368m	368m	0.0	5.0	.80	2.0	3.2m	.40	500 Δ	0	7	A207	ML8									
65	Am91L40CDM	4096	1	D	MNG	470n*	368m	368m	0.0	5.0	.80	2.0	3.2m	.40	500 Δ	0	7	A207	ML8									
66	Am9050CDC	4096	1	D	MNG	470n*	750m	750m	0.0	5.0	12	.80	2.4	3.2m	.40	500 Δ	0	7	A207	ML8								
67	Am9050CPD	4096	1	D	MNG	470n*	750m	750m	0.0	5.0	12	.80	2.4	3.2m	.40	500 Δ	0	7	A207	ML8								
68	Am9050DDC	4096	1	D	MNG	430n*	750m	750m	0.0	5.0	12	.80	2.4	3.2m	.40	500 Δ	0	7	A207	ML8								
69	Am9050DDP	4096	1	D	MNG	430n*	750m	750m	0.0	5.0	12	.80	2.4	3.2m	.40	500 Δ	0	7	A207	ML8								
70	Am9050EDC	4096	1	D	MNG	400n*	750m	750m	0.0	5.0	12	.80	2.4	3.2m	.40	500 Δ	0	7	A207	ML8								
71	Am9050EPC	4096	1	D	MNG	400n*	750m	750m	0.0	5.0	12	.80	2.4	3.2m	.40	500 Δ	0	7	A207	ML8								
72	Am9060CDC	4096	1	D	MNG	470n*																						

2. READ-WRITE MEMORIES (RAMS)

IN ORDER OF (1)No.WORDS(2)No.BITS/WORD
(3)MODE(4)STRUCT.(5)MAX ACC.TIME(6)TYPE No.

LINE No.	TYPE No.	ORGANIZATION			M O D E	STRUCTURE CODE	MAX ACCESS TIME (s)	MAX WRITE CYCLE TIME (s)	MAX OPER. POWER DISS. (W)	RATED POWER SUP. SPAN		INPUT LOGIC LEVELS		MIN OUTPUT SINK CURRENT		MIN. CLOCK FREQ. (Hz)	OPER. TEMP. RANGE CODE		DRAWINGS	
		1 No. WORDS	2 BITS PER WORD	3 M O D E						NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)	CURRENT (A)	@ OUT (V)		-	+	LOGIC/BLOCK	OUTLINE
1	S6606	4096	1	D	MNG	190n	530nΔ	409mΔ	5.0	12	.80	3.0	1.6m	.40	500 Δ	0	7	A144a	ML154	
2	2180D	4096	1	D	MNG	200n	400n*	1.2	5.0	12	.80	2.4s	2.0m	.45	500 Δ	0	7	A189a	ML8t	
3	7270-11-6E	4096	1	D	MNG	200n	400n*	480m†	5.0	12	.80	2.4s	2.0m	.45	500 Δ	0	7	A273	ML240	
4	7280-11-6D	4096	1	D	MNG	200n	400n*	480m†	5.0	12	.60	2.4	2.0m	.45	500 Δ	0	7	A272	ML241	
5	B2107B	4096	1	D	MNG	200n	400n*	1.2	5.0	12	.60	2.4s	2.0m	.45	500 Δ	0	7	A189a	ML228	
6	C2104A-2	4096	1	D	MNG	200n	320n*	1.0	5.0	12	.80	2.4s	3.2m	.40	500 Δ	0	7	A191a	ML140g	
7	C2107B	4096	1	D	MNG	200n	400n*	1.2	5.0	12	.60	2.4	2.0m	.45	500 Δ	0	7	A189	ML8d	
8	EA4122DC2	4096	1	D	MNG	200n	400n*	350m	5.0	12	.40%	2.4	3.2m	.40	500 Δ	0	7	A224	ML8p	
9	EA4122PC2	4096	1	D	MNG	200n	400n*	350m	5.0	12	.40%	2.4	3.2m	.40	500 Δ	0	7	A224	ML7j	
10#	HM4511	4096	1	D	MNG	200n	400n*	400m†	5.0	12	.60	2.2s	3.2m	.40			0	7	A202	ML8
11#	HM4704-1	4096	1	D	MNG	200n	375n	594m	5.0	12	.80	2.4s	3.0m	.40	500	0	7	A191	ML89h	
12#	HM4704L-3	4096	1	D	MNG	200n	420n*	462m	5.0	12	.80	2.4s	3.2m	.40	500 Δ	0	7	A391	ML89h	
13#	HM4711-3	4096	1	D	MNG	200n	360n*	792m	5.0	12	.80	2.2s	3.2m	.45	500	0	7	A313a	ML77g	
14	IM7027-3CTE	4096	1	D	MNG	200n	420n* Δ	470m	5.0	12	.80	2.2s	10uΔ			0	7	A324	ML396	
15	IM7027P-3	4096	1	D	MNG	200n	420n*	470m†	5.0	12	.80	2.2s	3.2m	.40	500 Δ	0	7	A324	ML225	
16	IM7270-11-6E	4096	1	D	MNG	200n	400n*	480m†	5.0	12	.60	2.4	2.0m	.45	500 Δ	0	7	A273	ML240	
17	IM7280-11-6D	4096	1	D	MNG	200n	400n*	480m†	5.0	12	.60	2.4	2.0m	.45	500 Δ	0	7	A272	ML241	
18	IM7505A-2CJF	4096	1	D	MNG	200n	490n*	335m	5.0	12	.80	3.0s	2.0m	.45	500 Δ	0	7	PN22j	ML241	
19	IM7507-2	4096	1	D	MNG	200n	400n*	350m†	5.0	12	.60	2.2	2.0m	.45	500 Δ	0	7	A189	ML8f	
20#	ITT4027-3J	4096	1	D	MNG	200n	420n* Δ	1.0	5.0	12	.80	2.2s	3.2m	.40	500 Δ	0	7	PN16j	ML1k	
21#	MB8105	4096	1	D	MNG	200n	400n*	420m†	5.0	12	.60	2.4	5.0m	.40			0	7	A230	ML73
22#	MB8107	4096	1	D	MNG	200n	400n*	420m†	5.0	17	.60	2.4	2.2m	0.0			0	7	A230a	ML162
23#	MB8107H	4096	1	D	MNG	200n	400n*	1.2	5.0	12	.60	2.4s	2.2m	.45			0	7	A189	ML162
24	MCM4027AL3	4096	1	D	MNG	200n	375n*	470m	5.0	12	.80	2.2s	3.2m	.40	500 Δ	0	7	A264	ML318	
25	MK4027P-3	4096	1	D	MNG	200n	375n*	462m	5.0	12	.80	2.2s	3.2m	.40	500 Δ	0	7	A264	ML225	
26	MK4027P-3Δ	4096	1	D	MNG	200n	375n*	470m	5.0	12	.80	2.2s	3.2m	.40	500 Δ	0	7	A324	ML127r	
27	MMS270D	4096	1	D	MNG	200n	400n*	420m†	5.0	12	.60	2.4s	2.0m	.45	500 Δ	0	7	A292	ML115a	
28	MMS280D	4096	1	D	MNG	200n	400n*	420m†	5.0	12	.60	2.4s	2.0m	.45	500 Δ	0	7	A293	ML204a	
29#	MN1001-2	4096	1	D	MNG	200n	400n*	400m†	5.0	12	.60	2.2	3.2m	.40	500 Δ	0	7	A202	ML8n	
30	MW4050DV2	4096	1	D	MNG	200n	400n*	420m†	5.0	12	.60	2.2	5.0m	.40	500 Δ	0	7	A248	ML134d	
31	MW4060DV2	4096	1	D	MNG	200n	400n*	400m†	5.0	12	.60	2.2	3.2m	.40	500 Δ	0	7	A249	ML8s	
32	P2107B	4096	1	D	MNG	200n	400n*	1.2	5.0	12	.60	2.4	2.0m	.45	500 Δ	0	7	A189	ML8e	
33	RM4096J3	4096	1	D	MNG	200n	350n* Δ	400m†	5.0	12	.80	2.4	3.2m	.40	500 Δ	0	7	A191	ML1f	
34	SYC4050-2	4096	1	D	MNG	200n	400n*	457m	5.0	12	.60	2.2	5.0m	.40	500	0	7	A204	ML115a	
35	SYP4050-2	4096	1	D	MNG	200n	400n*	457m	5.0	12	.60	2.2	5.0m	.40	500	0	7	A204	ML165	
36	TMS4027-20JDL	4096	1	D	MNG	200n	375n*	460m	5.0	12	.80	2.2s	3.2m	.40	500	0	7	A326	ML206	
37	TMS4027-20JL	4096	1	D	MNG	200n	375n*	460m	5.0	12	.80	2.4s	3.2m	.40	500 Δ	0	7	A326	ML127y	
38	TMS4027-20NL	4096	1	D	MNG	200n	375n*	460m	5.0	12	.80	2.4s	3.2m	.40	500 Δ	0	7	A326	ML209	
39	TMS4030-2JL	4096	1	D	MNG	200n	400n*	400m†	3.0	12	.60	2.2s	3.2m	.40	500 Δ	0	7	A202	ML8n	
40	TMS4030-2NL	4096	1	D	MNG	200n	400n*	400m†	3.0	12	.60	2.2s	3.2m	.40	500 Δ	0	7	A202	ML197a	
41	TMS4050-2JDL	4096	1	D	MNG	200n	400n*	924m	5.0	12	.60	2.2	5.0m	.40	500 Δ	0	7	A204	ML210d	
42	TMS4050-2JL	4096	1	D	MNG	200n	400n*	420m†	5.0	12	.60	2.2	5.0m	.40	500 Δ	0	7	A204	ML210	
43	TMS4050-2NL	4096	1	D	MNG	200n	400n*	420m†	5.0	12	.60	2.2	5.0m	.40	500 Δ	0	7	A204	ML3k	
44	TMS4060-2JDL	4096	1	D	MNG	200n	400n*	761m	5.0	12	.60	2.2s	3.2m	.40	500 Δ	0	7	A202	ML8n	
45	TMS4060-2JL	4096	1	D	MNG	200n	400n*	400m†	5.0	12	.60	2.2s	3.2m	.40	500 Δ	0	7	A202	ML77k	
46	TMS4060-2NL	4096	1	D	MNG	200n	400n*	400m†	5.0	12	.60	2.2s	3.2m	.40	500 Δ	0	7	A202	ML197b	
47#	MB8214	4096	1	D	MNG	230n	400n*	500m†	5.0	17	.60	2.4					0	7	A228	ML149
48#	MB8214H	4096	1	D	MNG	230n*	370n*	510m	5.0	12	.80	2.4s	2.0m	.40			0	7	A228	ML149
49#	MB8224E	4096	1	D	MNG	230n	370n*	470m	5.0	12	.80	2.4s	3.2m	.40			0	7	A278	ML140e
50	S6605	4096	1	D	MNG	230n	530n* Δ	409m†	5.0	12	.80	3.0	1.6m	.40	500 Δ	0	8	A144	ML154	
51	7005-11-6B	4096	1	D	MNG	250n	375n*	24m†	5.0	12	.80	2.4s	2.0m	.40	500 Δ	0	7	A191	ML1g	
52	C2104-2	4096	1	D	MNG	250n	375n*	1.2	5.0	12	.60	2.4s	2.0m	.40			0	8	A191	ML10c
53	C2104A-3	4096	1	D	MNG	250n	375n*	1.0	5.0	12	.80	2.4s	3.2m	.40	500 Δ	0	7	A191a	ML140g	
54	D2104-2	4096	1	D	MNG	250n	375n*	1.2	5.0	12	.60	2.4s	2.0m	.40			0	8	A191	ML157c
55	EA4122DC1	4096	1	D	MNG	250n	430n*	350m	5.0	12	.40%	2.4	3.2m	.40	500 Δ	0	7	A224	ML8p	
56	EA4122PC1	4096	1	D	MNG	250n	430n*	350m	5.0	12	.40%	2.4	3.2m	.40	500 Δ	0	7	A224	ML7j	
57#	HM4704-2	4096	1	D	MNG	250n	425n	462m	5.0	12	.80	2.4s	3.0m	.40	500	0	7	A191	ML89h	
58#	HM4704L-4	4096	1	D	MNG	250n	480n*	462m	5.0	12	.80	2.4s	3.2m	.40	500 Δ	0	7	A391	ML89h	
59	IM7005-11-6B	4096	1	D	MNG	250n	375n*	380m†	5.0	12	.80	2.4s	2.0m	.40	500 Δ	0	7	A191a	ML225	
60	IM7027P-4	4096	1	D	MNG	250n	480n*	470m†	5.0	12	.80	2.2s	3.2m	.40	500 Δ	0	7	A324	ML225	
61	IM7507-1	4096	1	D	MNG	250n	430n*	350m†	5.0	12	.60	2.2	2.0m	.45	500 Δ	0	7	A189	ML8f	
62#	ITT4027-4J	4096	1	D	MNG	250n	480n* Δ	1.0	5.0	12	.80	2.2s	3.2m	.40	500 Δ	0	7	PN16j	ML1k	
63#	MB8107E	4096	1	D	MNG	250n	430n*	1.2	5.0	12	.60	2.4s	2.2m	.45			0	7	A189	ML162
64	MCM4027AL4	4096	1	D	MNG	250n	375n*	470m	5.0	12	.80	2.2s	3.2m	.40	500 Δ	0	7	A264	ML318	
65	MK4027P-4	4096	1	D	MNG	250n	375n*	462m	5.0	12	.80	2.2s	3.2m	.40	500 Δ	0	7	A264	ML225	
66	MK4027P-4Δ	4096	1	D	MNG	250n	375n*	470m	5.0	12	.80	2.2s	3.2m	.40	500 Δ	0	7	A324	ML127r	
67	MMS271D	4096	1	D	MNG	250n	400n*	420m†	5.0	12	.60	2.4s	2.0m	.45	500 Δ	0	7	A292	ML115a	
68	MMS281D	4096	1	D	MNG	250n	400n*	420m†	5.0	12	.60	2.4s	2.0m	.45	500 Δ	0	7	A293	ML204a	
69#	MN1001-1	4096	1	D	MNG	250n	430n*	400m†	5.0	12	.60	2.2	3.2m	.40	500 Δ	0	7	A202	ML8n	
70	MW4050DV1	4096	1	D	MNG	250n	430n*	420m†	5.0	12	.60	2.2	5.0m	.40	500 Δ	0	7	A248	ML134d	
71	MW4060DV1	4096	1	D	MNG	250n	430n*	400m†	5.0	12	.60	2.2	3.2m	.40	500 Δ	0	7	A249	ML8s	
72	RM4096J6	4096	1	D	MNG	250n	375n* Δ	400m†	5.0	12	.80	2.4	3.2m	.40	500 Δ	0	7	A191	ML1f	
73	SYC4050-1	4096	1	D	MNG	250n	430n*	457m	5.0	12	.60	2.2	5.0m							

2. READ-WRITE MEMORIES (RAMS)

IN ORDER OF (1)NO.WORDS(2)NO.BITS/WORD
(3)MODE(4)STRUCT.(5)MAX ACC.TIME(6)TYPE No.

MEMORY

LINE No.	6	TYPE No.	ORGANIZATION			MAX ACCESS TIME (s)	MAX WRITE CYCLE TIME (s)	MAX OPER. POWER DISS. (W)	RATED POWER SUP. SPAN		INPUT LOGIC LEVELS		MIN OUTPUT SINK CURRENT		MIN CLOCK FREQ. (Hz)	OPER. TEMP. RANGE		DRAWINGS		
			1 No. WORDS	2 BITS PER WORD	3 M O D E				4 STRUC TURE CODE	5	NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)		(A)	@ OUT (V)	-	+	LOGIC/ BLOCK
1		B2107A	4096	1	D	MNG	300n	700n*	1.0	5.0	12	80	3.5	1.7m	.45	500 Δ	0	7	A189a	ML229
2		B2107B-5	4096	1	D	MNG	300n	590n†	1.2	5.0	12	60	2.4	2.0m	.45	1.0kΔ	0	7	A189a	ML228
3		C2104-4	4096	1	D	MNG	300n	425n*	1.2	5.0	12	60	2.4	2.0m	.40	500 Δ	0	8	A191	ML10c
4		C2104A-4	4096	1	D	MNG	300n	425n*	1.0	5.0	12	80	2.4	3.2m	.40	500 Δ	0	7	A191a	ML140g
5		C2107A	4096	1	D	MNG	300n	700n*	1.0	5.0	12	80	3.5	1.7m	.45	500 Δ	0	7	A189	ML8d
6		D2104-4	4096	1	D	MNG	300n	425n*	1.2	5.0	12	60	2.4	2.0m	.40	500 Δ	0	8	A191	ML157c
7		EA4122DC	4096	1	D	MNG	300n	470n*	350m†	5.0	12	40%	2.4	3.2m	.40	500 Δ	0	7	A224	ML8p
8		EA4122PC	4096	1	D	MNG	300n	470n*	350m	5.0	12	40%	2.4	3.2m	.40	500 Δ	0	7	A224	ML7
9#		HM4507	4096	1	D	MNG	300n	550n*	793m	5.0	12	60	3.0	50m	.40	500 Δ	0	7	A234	ML8g
10#		HM4517	4096	1	D	MNG	300n	550n*	505m	5.0	12	60	3.0	50m	.40	500 Δ	0	7	A234	ML8g
11#		HYB4060	4096	1	D	MNG	300n	470n*	380m†	5.0	12	60	2.4	3.2m	.40	500 Δ	0	7	A189	ML8b
12		IM7005-12-6B	4096	1	D	MNG	300n	425n*	380m†	5.0	12	80	2.4	2.0m	.40	500 Δ	0	7	A191a	ML225
13		IM7505ACJF	4096	1	D	MNG	300n	590n*	335m†	5.0	12	80	3.0	2.0m	.45	500 Δ	0	7	PN22j	ML241
14		IM7507	4096	1	D	MNG	300n	470n*	350m	5.0	12	60	2.2	2.0m	.45	500 Δ	0	7	A189	ML8f
15#		M5L2104S	4096	1	D	MNG	300n	425n*	672m	5.0	12	60	2.4	2.0m	.40	500 Δ	0	7	A191a	ML337
16#		M58755S	4096	1	D	MNG	300n	550n	420m	5.0	12	60	3.5	2.0m	.45	500 Δ	0	7	A189	ML8b
17#		M58756K	4096	1	D	MNG	300n	425n*	672m	5.0	12	60	2.4	2.0m	.40	500 Δ	0	7	A191a	ML335
18#		MB8107N	4096	1	D	MNG	300n	470n*	1.2	5.0	12	60	2.4	2.2m	.45	500 Δ	0	7	A189	ML162
19#		MN1001	4096	1	D	MNG	300n	470n*	400m†	5.0	12	60	2.2	3.2m	.40	500 Δ	0	7	A202	ML8n
20		MW4050D	4096	1	D	MNG	300n	470n*	420m†	5.0	12	60	2.2	5.0m	.40	500 Δ	0	7	A248	ML134d
21		MW4060D	4096	1	D	MNG	300n	470n*	400m†	5.0	12	60	2.2	3.2m	.40	500 Δ	0	7	A249	ML8s
22		P2107A	4096	1	D	MNG	300n	700n*	1.0	5.0	12	80	3.5	1.7m	.45	500 Δ	0	7	A189	ML8e
23		RM1701G	4096	1	D	MNG	300n	470n*	400m	5.0	12	60	2.2	3.2m	.40	500 Δ	0	6	A160	ML8m
24		RM1701H	4096	1	D	MNG	300n	470n*	400m	5.0	12	60	2.2	3.2m	.40	500 Δ	0	6	A160	ML8k
25		RM4096J16	4096	1	D	MNG	300n	425nΔ*	400m†	5.0	12	80	2.4	3.2m	.40	500 Δ	0	7	A191	ML1f
26		S6605A	4096	1	D	MNG	300n	600nΔ*	409m†	5.0	12	80	3.0	1.6m	.40	500 Δ	0	7	A144	ML154
27		SYC4050	4096	1	D	MNG	300n	470n*	457m	5.0	12	60	2.2	5.0m	.40	500 Δ	0	7	A204	ML115a
28		SYP4050	4096	1	D	MNG	300n	470n*	457m	5.0	12	60	2.2	5.0m	.40	500 Δ	0	7	A204	ML165
29		TMS4030JL	4096	1	D	MNG	300n	470n*	400m†	3.0	12	60	2.2	3.2m	.40	500 Δ	0	7	A202	ML8n
30		TMS4030NL	4096	1	D	MNG	300n	470n*	400m†	3.0	12	60	2.2	3.2m	.40	500 Δ	0	7	A202	ML197a
31		TMS4050JDL	4096	1	D	MNG	300n	470n*	792m	5.0	12	60	2.2	5.0m	.40	500 Δ	0	7	A204	ML210d
32		TMS4050JL	4096	1	D	MNG	300n	470n*	420m†	5.0	12	60	2.2	5.0m	.40	500 Δ	0	7	A204	ML210
33		TMS4050NL	4096	1	D	MNG	300n	470n*	420m†	5.0	12	60	2.2	5.0m	.40	500 Δ	0	7	A204	ML3k
34		TMS4051JL	4096	1	D	MNG	300n	470n*	460m†	5.0	12	60	2.2	5.0m	.40	500 Δ	0	7	A204	ML210
35		TMS4051NL	4096	1	D	MNG	300n	470n*	460m†	5.0	12	60	2.2	5.0m	.40	500 Δ	0	7	A204	ML3b
36		TMS4060JDL	4096	1	D	MNG	300n	470n*	761m	5.0	12	60	2.2	3.2m	.40	500 Δ	0	7	A202	ML8n
37		TMS4060JL	4096	1	D	MNG	300n	470n*	400m†	5.0	12	60	2.2	3.2m	.40	500 Δ	0	7	A202	ML77k
38		TMS4060NL	4096	1	D	MNG	300n	470n*	400m†	5.0	12	60	2.2	3.2m	.40	500 Δ	0	7	A202	ML197b
39#		MB8214N	4096	1	D	MNG	330n*	500n*	510m	5.0	12	80	2.4	2.0m	.40	500 Δ	0	7	A228	ML149
40		7280-14-6D	4096	1	D	MNG	350n	800n*	480m†	5.0	12	80	3.5	2.0m	.45	1.0kΔ	0	7	A272	ML241
41		B2107A4	4096	1	D	MNG	350n	840n*	1.0	5.0	12	80	3.5	1.7m	.45	500 Δ	0	7	A189a	ML229
42		B2107B6	4096	1	D	MNG	350n	800n*	1.2	5.0	12	60	2.4	2.0m	.45	1.0kΔ	0	7	A189a	ML228
43		C2104	4096	1	D	MNG	350n	500n*	1.2	5.0	12	60	2.4	2.0m	.40	500 Δ	0	8	A191	ML10c
44		C2104A	4096	1	D	MNG	350n	500n	422m	5.0	12	80	2.4	2.0m	.40	500 Δ	0	7	A191a	ML1n
45		C2107A4	4096	1	D	MNG	350n	840n*	1.0	5.0	12	80	3.5	1.7m	.45	500 Δ	0	7	A189	ML8d
46		C2107B6	4096	1	D	MNG	350n	800n*	1.2	5.0	12	60	3.5	2.0m	.45	1.0kΔ	0	7	A189	ML8d
47		D2104	4096	1	D	MNG	350n	500n*	1.2	5.0	12	60	2.4	2.0m	.40	500 Δ	0	8	A191	ML157c
48#		HM4704L-6	4096	1	D	MNG	350n	500n*	528m	5.0	12	80	2.7	3.2m	.40	1.0kΔ	0	7	A391	ML89h
49#		HYB4060A	4096	1	D	MNG	350n	600n*	380m†	5.0	12	60	3.0	3.2m	.40	500 Δ	0	7	A189	ML8b
50		IM7280-14-6D	4096	1	D	MNG	350n	800n*	480m†	5.0	12	60	3.5	2.0m	.45	500 Δ	0	7	A272	ML241
51		ITT4027-6	4096	1	D	MNG	350n	500n*	1.0	5.0	12	80	2.2	3.2m	.40	500 Δ	0	7	PN16j	ML7
52#		ITT4027-6J	4096	1	D	MNG	350n	700nΔ*	1.0	5.0	12	80	2.2	3.2m	.40	500 Δ	0	7	PN16j	ML1k
53#		P2107A4	4096	1	D	MNG	350n	840n*	1.0	5.0	12	80	3.5	1.7m	.45	500 Δ	0	7	A189	ML8e
54		P2107B6	4096	1	D	MNG	350n	800n*	1.2	5.0	12	60	3.5	2.0m	.45	1.0kΔ	0	7	A189	ML8e
55		RM4096J11	4096	1	D	MNG	350n	500nΔ*	400m†	5.0	12	80	2.4	3.2m	.40	500 Δ	0	7	A191	ML1f
56#		MF7112	4096	1	D	MNG	390n	560n	350m	2.0	12	80	3.2	1.0m	.40	500 Δ	0	7	A119	ML8
57		B2107A5	4096	1	D	MNG	420n	970n*	1.0	5.0	12	80	3.5	1.7m	.45	500 Δ	0	7	A189a	ML229
58		C2107A5	4096	1	D	MNG	420n	970n*	1.0	5.0	12	80	3.5	1.7m	.45	500 Δ	0	7	A189	ML8d
59		C2107A8	4096	1	D	MNG	420n	970n*	1.0	5.0	12	80	3.5	1.7m	.45	500 Δ	0	5	A189	ML8d
60		P2107A5	4096	1	D	MNG	420n	970n*	1.0	5.0	12	80	3.5	1.7m	.45	500 Δ	0	7	A189	ML8e
61		P2107A8	4096	1	D	MNG	420n	970n*	1.0	5.0	12	80	3.5	1.7m	.45	500 Δ	0	5	A189	ML8e
62		S6605B	4096	1	D	MNG	600n	900nΔ*	409m†	5.0	12	80	3.0	1.6m	.40	500 Δ	0	7	A144	ML154
63		uPD411AD4	4096	1	D	MNX	135n	320n*	1.0	5.0	12	60	2.4	3.2m	.40	500 Δ	0	7	A221	ML77f
64		uPD411AD3	4096	1	D	MNX	150n	380n*	1.0	5.0	12	60	2.4	3.2m	.40	500 Δ	0	7	A221	ML77f
65		uPD411D3	4096	1	D	MNX	150n	380n	1.0	5.0	12	60	2.4	3.2m	.40	500 Δ	0	7	A221	ML77f
66#		uPD418C3	4096	1	D	MNX	150n	380n*	384m	5.0	12	60	2.2	5.0m	.40	500 Δ	0	7	A310	ML3g
67#		uPD418D3	4096	1	D	MNX	150n	380n*	384m	5.0	12	60	2.2	5.0m	.40	500 Δ	0	7	A310	ML194a
68#		uPD418C2	4096	1	D	MNX	180n	400n*	350m	5.0	12	60	2.2	5.0m	.40	500 Δ	0	7	A310	ML3g
69#		uPD418D2	4096	1	D	MNX	180n	400n*	350m	5.0	12	60	2.2	5.0m	.40	500 Δ	0	7	A310	ML194a
70#		MSM3743A	4096	1	D	MNX	200n	400n*	3.0m†	5.0	12	60	2.4	2.0m	.45	500 Δ	0	7	A349	ML6a
71#		uPD411AC2	4096	1	D	MNX	200n	400n*	660m	5.0	12	60	2.4	3.2m	.40	500 Δ	0	7	A308	ML237
72#		uPD411AD2	4096	1	D	MNX	200n	400n*	660m	5.0	12	60	2.4	3.2m	.40	500 Δ	0	7</		

2. READ-WRITE MEMORIES (RAMS)

IN ORDER OF (1)No.WORDS(2)No.BITS/WORD
(3)MODE(4)STRUCT.(5)MAX ACC.TIME(6)TYPE No.

LINE No.	TYPE No.	ORGANIZATION		MODE	STRUCTURE CODE	MAX ACCESS TIME (s)	MAX WRITE CYCLE TIME (s)	MAX OPER. POWER DISS. (W)	RATED POWER SUPPLY		INPUT LOGIC LEVELS		MIN OUTPUT SINK CURRENT		MIN CLOCK FREQ. (Hz)	OPER. TEMP. RANGE CODE		DRAWINGS	
		No. WORDS	BITS PER WORD						NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)	(A)	@ OUT (V)		-	+	LOGIC/BLOCK	OUTLINE
1	uPD411DE	4096	1	D	MNX	350n	800n	1.0	5.0	12	.80	3.5s	3.2m	40	1.0k	0	7	A221	ML8j
2	uPD414CE	4096	1	D	MNX	350n	500n*	420m	5.0	12	.80	2.4s	2.0m	40	500 Δ	0	7	A309	ML89f
3	uPD414DE	4096	1	D	MNX	350n	500n*	420m	5.0	12	.80	2.4s	2.0m	40	500 Δ	0	7	A309	ML127w
4	IM7141LCPN	4096	1	D	BEX	15n	25n	265m	6.0	5.0	.80	2.0	3.2m	40		0	7	A325	ML165d
5	IM4096X1	4096	1	D	BEX	15n	25n	120m	6.0	0.0	-1.6†	.40#	20m	40		0	7		PL2
6	85100711	4096	1	D	BEX	25n	25n	421	6.0	0.0	-1.4	-1.0	20m	40		0	7	A13	PL2
7#	HM2540	4096	1	D	BTX	45n	35n*	575m	0.0	5.0	.80	2.1Δ	16m	45		0	7	A392	ML165c
8	RAM125-48A#2	4096s	1	D	BTX	125n	130n*	4.9†	5.0	5.0	.80	2.0	30m	40		1	8	A58a	PL3
9	RAM48A#2	4096s	1	D	BTX	180n	200n	3.9†	5.0	5.0	.80	2.0	20m	40		1	8	A58	PL3
10	RAM248A#2	4096s	1	D	BTX	180n	155n*	3.9†	5.0	5.0	.80	2.0	30m	40		1	8	A58a	PL3
11	RAM348A#2	4096s	1	D	BTX	300n	300n*	3.0†	5.0	5.0	.80	2.0	30m	40		1	8	A58a	PL3
12	PD550#2	4096s	1	D	HXX	100n†	125n†	2.0†	0.0	5.0	-35	-08						A6	FL1
13	CM2402	4096	1	D	HXX	400n	600n	400u%†	0.0	5.0	.80	2.0	16m	40		0	7	A25	ML11
14	HM3-6504-2	4096	1	D	MCG	270n	350n	250u	0.0	5.0	.80	3.0s	2.0m	40		5	C	A401	ML305
15	HM9-6504-9	4096	1	D	MCG	270n	350n	250u	0.0	5.0	.80	3.0s	2.0m	40		4	8	A401	FL53
16	HM9-6504-5	4096	1	D	MCG	320n	420n	2.5m*	0.0	5.0	.80	3.0s	1.6m	40		0	7	A401	FL53
17	HM3-6543-2	4096	1	D	MCG	350n	475n	500u*	0.0	5.0	.80	3.0s	2.0m	40		0	7	A407	ML307
18	HM9-6543-9	4096	1	D	MCG	350n	475n	500u*	0.0	5.0	.80	3.0s	2.0m	40		4	8	A407	FL59
19	HM9-6543C9	4096	1	D	MCG	400n	560n	0m*	0.0	5.0	.80	3.0s	2.0m	40		4	8	A407	FL59
20	Am91L40DDC	4096	1	D	MNG		395nΔ*	368m	0.0	5.0	.80	2.0				0	7		
21	Am91L41CDM	4096	1	D	MNG		470nΔ*	368m	0.0	5.0	.80	2.0				0	7		
22	Am91L41CDM	4096	1	D	MNG		470nΔ*	368m	0.0	5.0	.80	2.0				5	C		
23	Am91L41DC	4096	1	D	MNG		395nΔ*	368m	0.0	5.0	.80	2.0				0	7		
24	Am9140DDC	4096	1	D	MNG		395nΔ*	578m	0.0	5.0	.80	2.0				0	7		
25	Am9140EDC	4096	1	D	MNG		320nΔ*	578m	0.0	5.0	.80	2.0				0	7		
26	Am9141BDM	4096	1	D	MNG		320nΔ*	578m	0.0	5.0	.80	2.0				5	C		
27	Am9141CDM	4096	1	D	MNG		395nΔ*	578m	0.0	5.0	.80	2.0				5	C		
28	MM2147N-055	4096	1	D	MNG	70n	70n	900m	0.0	5.0	.80	2.0	8.0m	40		0	5	A451	ML196
29#	MBM4044H	4096	1	D	MNG	150n	150n	473m	0.0	5.0	.80	2.0	2.1m	40		0	7	A327	ML
30	TMS4044-15JDL	4096	1	D	MNG	150n	150n*	440m	0.0	5.0	.80	2.0s	3.2m	40		0	7	A327	ML210d
31	TMS4044-15JL	4096	1	D	MNG	150n	150n*	440m	0.0	5.0	.80	2.0s	3.2m	40		0	7	A327	ML3b
32	TMS4046-15JDL	4096	1	D	MNG	150n	150n*	440m	0.0	5.0	.80	2.0s	3.2m	40		0	7	A327a	ML260
33	TMS4046-15JL	4096	1	D	MNG	150n	150n*	440m	0.0	5.0	.80	2.0s	3.2m	40		0	7	A327a	ML213a
34	TMS4046-15NL	4096	1	D	MNG	150n	150n*	440m	0.0	5.0	.80	2.0s	3.2m	40		0	7	A327a	ML161f
35	MK4104P-3	4096	1	D	MNG	200n	310n	150m	0.0	5.0	.80	2.2	5.0m	40		0	7	A303	ML352
36	MK4104P-33	4096	1	D	MNG	200n	310n	150m	0.0	5.0	.80	2.2	5.0m	40		0	7	A303	ML352
37	TMS40L44-20JDL	4096	1	D	MNG	200n	200n*	275m	0.0	5.0	.80	2.0s	3.2m	40		0	7	A327	ML210d
38	TMS40L44-20JL	4096	1	D	MNG	200n	200n*	275m	0.0	5.0	.80	2.0s	3.2m	40		0	7	A327	ML3b
39	TMS40L46-20JDL	4096	1	D	MNG	200n	200n*	275m	0.0	5.0	.80	2.0s	3.2m	40		0	7	A327a	ML260
40	TMS40L46-20JL	4096	1	D	MNG	200n	200n*	275m	0.0	5.0	.80	2.0s	3.2m	40		0	7	A327a	ML213a
41	TMS40L46-20NL	4096	1	D	MNG	200n	200n*	275m	0.0	5.0	.80	2.0s	3.2m	40		0	7	A327a	ML161f
42	TMS4044-20JDL	4096	1	D	MNG	200n	200n*	440m	0.0	5.0	.80	2.0s	3.2m	40		0	7	A327	ML210d
43	TMS4044-20JL	4096	1	D	MNG	200n	200n*	440m	0.0	5.0	.80	2.0s	3.2m	40		0	7	A327	ML3b
44	TMS4046-20JDL	4096	1	D	MNG	200n	200n*	440m	0.0	5.0	.80	2.0s	3.2m	40		0	7	A327a	ML260
45	TMS4046-20JL	4096	1	D	MNG	200n	200n*	440m	0.0	5.0	.80	2.0s	3.2m	40		0	7	A327a	ML213a
46	TMS4046-20NL	4096	1	D	MNG	200n	200n*	440m	0.0	5.0	.80	2.0s	3.2m	40		0	7	A327a	ML161f
47	MK4104P-4	4096	1	D	MNG	250n	385n	150m	0.0	5.0	.80	2.2	5.0m	40		0	7	A303	ML352
48	MK4104P-34	4096	1	D	MNG	250n	385n	150m	0.0	5.0	.80	2.2	5.0m	40		0	7	A303	ML352
49	TMS40L44-25JDL	4096	1	D	MNG	250n	250n*	275m	0.0	5.0	.80	2.0s	3.2m	40		0	7	A327	ML310d
50	TMS40L44-25JL	4096	1	D	MNG	250n	250n*	275m	0.0	5.0	.80	2.0s	3.2m	40		0	7	A327	ML3b
51	TMS40L46-25JDL	4096	1	D	MNG	250n	250n*	275m	0.0	5.0	.80	2.0s	3.2m	40		0	7	A327a	ML260
52	TMS40L46-25JL	4096	1	D	MNG	250n	250n*	275m	0.0	5.0	.80	2.0s	3.2m	40		0	7	A327a	ML213a
53	TMS40L46-25NL	4096	1	D	MNG	250n	250n*	275m	0.0	5.0	.80	2.0s	3.2m	40		0	7	A327a	ML161f
54	TMS4044-25JDL	4096	1	D	MNG	250n	250n*	440m	0.0	5.0	.80	2.0s	3.2m	40		0	7	A327	ML210d
55	TMS4044-25JL	4096	1	D	MNG	250n	250n*	440m	0.0	5.0	.80	2.0s	3.2m	40		0	7	A327	ML3b
56	TMS4046-25JDL	4096	1	D	MNG	250n	250n*	440m	0.0	5.0	.80	2.0s	3.2m	40		0	7	A327a	ML260
57	TMS4046-25JL	4096	1	D	MNG	250n	250n*	440m	0.0	5.0	.80	2.0s	3.2m	40		0	7	A327a	ML213a
58	TMS4046-25NL	4096	1	D	MNG	250n	250n*	440m	0.0	5.0	.80	2.0s	3.2m	40		0	7	A327a	ML161f
59	MK4104P-5	4096	1	D	MNG	300n	460n	150m	0.0	5.0	.80	2.2	5.0m	40		0	7	A303	ML352
60	MK4104P-35	4096	1	D	MNG	300n	460n	150m	0.0	5.0	.80	2.2	5.0m	40		0	7	A303	ML352
61	MKV3104J-85	4096	1	D	MNG	300n	510n*	1.0	0.0	65	.24	10uΔ			5	C	A303	ML351	
62	TMS4044-30JL	4096	1	D	MNG	300n	300n*	495m	0.0	5.0	.80	2.0s	2.0m	40		0	7	A327	ML210
63	TMS4044-30NL	4096	1	D	MNG	300n	300n*	495m	0.0	5.0	.80	2.0s	2.0m	40		0	7	A327	ML3b
64	TMS4046-30JL	4096	1	D	MNG	300n	300n*	495m	0.0	5.0	.80	2.0s	2.0m	40		0	7	A327a	ML
65	TMS4046-30NL	4096	1	D	MNG	300n	300n*	495m	0.0	5.0	.80	2.0s	2.0m	40		0	7	A327a	ML260
66	MK4104P-6	4096	1	D	MNG	350n	565n	150m	0.0	5.0	.80	2.2	5.0m	40		0	7	A303	ML352
67	TMS40L44-45JDL	4096	1	D	MNG	450n	450n*	275m	0.0	5.0	.80	2.0s	3.2m	40		0	7	A327	ML210d
68	TMS40L44-45JL	4096	1	D	MNG	450n	450n*	275m	0.0	5.0	.80	2.0s	3.2m	40		0	7	A327	ML3b
69	TMS40L46-45JDL	4096	1	D	MNG	450n	450n*	275m	0.0	5.0	.80	2.0s	3.2m	40		0	7	A327a	ML260
70	TMS40L46-45JL	4096	1	D	MNG	450n	450n*	275m	0.0	5.0	.80	2.0s	3.2m	40		0	7	A327a	ML213a
71	TMS40L46-45NL	4096	1	D	MNG	450n	450n*	275m	0.0	5.0	.80	2.0s	3.2m	40		0	7	A327a	ML161f
72	TMS4044-45JDL	4096	1	D	MNG	450n	450n*	440m	0.0	5.0	.80	2.0s	3.2m	40		0	7	A327	ML210d
73	TMS4044-45JL	4096	1	D	MNG	450n	450n*	440m	0.0	5.0	.80	2.0s	3.2m	40		0	7	A327	ML3b
74	TMS4046-45JDL	4096	1	D	MNG	450n	450n*	440m	0.0	5.0	.80	2.0s	3.2m	40		0	7	A327a	ML260
75	TMS4046-45JL	4096	1	D	MNG	450n	450n*	440m	0.0	5.0	.80	2.0s	3.2m	40		0	7	A327a	ML213a
76	TMS4046-45NL	4096	1	D	MNG														

2. READ-WRITE MEMORIES (RAMS)

IN ORDER OF (1)No.WORDS(2)No.BITS/WORD
(3)MODE(4)STRUCT.(5)MAX. ACC.TIME(6)TYPE No.

MEMORY

LINE No.	TYPE No.	ORGANIZATION				MAX ACCESS TIME (s)	MAX WRITE CYCLE TIME (s)	MAX OPER. POWER DISS. (W)	RATED POWER SUP. SPAN		INPUT LOGIC LEVELS		MIN OUTPUT SINK CURRENT		MIN CLOCK FREQ. (Hz)	OPER. TEMP. RANGE CODE	DRAWINGS		
		No. WORDS	BITS PER WORD	MODE	STRUCTURE CODE				NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)	(A)	@ OUT (V)			LOGIC/BLOCK	OUTLINE	
1	4801UCC	4096	1	S	MNX	600n	600n*	1.8	0.0	5.0	.80	2.4	2.0m	.40	0	7	A286	ML119	
2	C2147-3	4096	1	S	MXX	55n	55n*	850m	0.0	5.0	.80	2.0	8.0m	.40	1	8	A365	ML115c	
3	P2147-3	4096	1	S	MXX	55n	55n*	850m	0.0	5.0	.80	2.0	8.0m	.40	0	7	A365	ML3h	
4	S2147-3	4096	1	S	MXX	55n	55n*	900m	0.0	5.0	.80	2.1	12m	.45	0	7	A365	ML2	
5	C2147	4096	1	S	MXX	70n	70n*	750m	0.0	5.0	.80	2.0	8.0m	.40	1	8	A365	ML115c	
6	C2147L	4096	1	S	MXX	70n	70n*	675m	0.0	5.0	.80	2.0	8.0m	.40	1	8	A365	ML115c	
7	P2147	4096	1	S	MXX	70n	70n*	750m	0.0	5.0	.80	2.0	8.0m	.40	1	8	A365	ML3h	
8	P2147L	4096	1	S	MXX	70n	70n*	675m	0.0	5.0	.80	2.0	8.0m	.40	1	8	A365	ML3h	
9	S2147	4096	1	S	MXX	70n	70n*	800m	0.0	5.0	.80	2.1	12m	.45	0	7	A365	ML2	
10	S4017	4096	1	S	MXX	70n	70n*	625m	0.0	5.0	.80	2.1	12m	.45	0	7	A365	ML2	
11	C2141-2	4096	1	S	MXX	120n	120n*	350m	0.0	5.0	.80	2.0	4.0m	.40	0	7	A365	ML115c	
12	C2141-3	4096	1	S	MXX	150n	150n*	350m	0.0	5.0	.80	2.0	4.0m	.40	0	7	A365	ML115c	
13	C2141L-3	4096	1	S	MXX	150n	150n*	200m	0.0	5.0	.80	2.0	4.0m	.40	0	7	A365	ML115c	
14	C2141-4	4096	1	S	MXX	200n	200n*	275m	0.0	5.0	.80	2.0	4.0m	.40	0	7	A365	ML115c	
15	C2141L-4	4096	1	S	MXX	200n	200n*	200m	0.0	5.0	.80	2.0	4.0m	.40	0	7	A365	ML115c	
16	C2141-5	4096	1	S	MXX	250n	250n*	275m	0.0	5.0	.80	2.0	4.0m	.40	0	7	A365	ML115c	
17	C2141L-5	4096	1	S	MXX	250n	250n*	200m	0.0	5.0	.80	2.0	4.0m	.40	0	7	A365	ML115c	
18	RAM85B#3	4096	2	S	BTX	180n	200n	6.6	5.0	5.0	.80	2.0	20m	.40	1	8	A58b	PL3a	
19	RAM288B#3	4096	2	S	BTX	180n	155n*	6.6	5.0	5.0	.80	2.0	30m	.40	1	8	A58c	PL3a	
20	RAM388B#3	4096	2	S	BTX	300n	300n*	6.6	5.0	5.0	.80	2.0	30m	.40	1	8	A58c	PL3a	
21	25C03	4096	8	D	HNC	150n	275n	25	6.0	10	.80	2.0	15m#	5.0	167kΔ	1	5	PL5	PL5
22	30C67	4096	8	D	HNC	220n	350n	25	6.0	10	.80	2.0	15m#	5.0	167kΔ	1	5	PL5	PL5
23	85500311	4096	8	D	MXX	450n*	950n*	500out	6.0	19	.40	2.0	11m#	.40	0	5	PL5	PL2a	
24	IM855003	4096	8	D	MXX	450n*	950n*	500out	6.0	19	.40	2.0	11m#	.40	0	5	PL5	PL2a	
25	25C06	4096	9	D	HNC	150n	275n	28	6.0	10	.80	2.0	15m#	5.0	167kΔ	1	5	PL5	PL5
26	30C68	4096	9	D	HNC	220n	350n	27	6.0	10	.80	2.0	15m#	5.0	167kΔ	1	5	PL5	PL5
27	85500411	4096	9	D	MXX	450n*	950n*	500out	6.0	19	.40	2.0	11m#	.40	0	5	PL5	PL2a	
28	IM855004	4096	9	D	MXX	450n*	950n*	500out	6.0	19	.40	2.0	11m#	.40	0	5	PL5	PL2a	
29	811-02	4096	10	D	MXX	350n	500n	26	5.0	20	2.4	4.0			0	6	A56		
30	25C08	4096	16	D	HNC	150n	275n	39	6.0	10	.80	2.0	15m#	5.0	167kΔ	1	5	PL5	PL5
31	30C71	4096	16	D	HNC	220n	350n	39	6.0	10	.80	2.0	15m#	5.0	167kΔ	1	5	PL5	PL5
32	811-03#1	4096	16	D	MXX	600n	800n	27	5.0	20			2.7	5.0		0	6	A57	
33	25C10	4096	18	D	HNC	150n	275n	43	6.0	10	.80	2.0	15m#	5.0	167kΔ	1	5	PL5	PL5
34	30C90	4096	18	D	HNC	220n	350n	43	6.0	10	.80	2.0	15m#	5.0	167kΔ	1	5	PL5	PL5
35#	MB8216	8192	1	D	MNG	100n	200n*	410mt	5.2	19	.80	10.4			0	7	A231	ML215	
36	IM7008-10-6D	8192	1	D	MNG	150n	300n*	400mt	5.0	12	.80	2.4	2.0m	.45	500 Δ	0	7	PN22h	ML241
37	IM7008-11-6D	8192	1	D	MNG	200n	400n*	400mt	5.0	12	.80	2.4	2.0m	.45	500 Δ	0	7	PN22h	ML241
38	C2108-2	8192	1	D	MNX	200n	350n*	1.2	5.0	12	.80	2.4	4.1m	.40	500 Δ	0	7	A295	ML140g
39	D2108-2	8192	1	D	MNX	200n	350n*	1.2	5.0	12	.80	2.4	4.1m	.40	500 Δ	0	7	A295	ML157c
40	P2108-2	8192	1	D	MNX	200n	350n*	1.2	5.0	12	.80	2.4	4.1m	.40	500 Δ	0	7	A295	ML127v
41	C2108-4	8192	1	D	MNX	300n	425n*	1.2	5.0	12	.80	2.4	4.1m	.40	500 Δ	0	7	A295	ML140g
42	D2108-4	8192	1	D	MNX	300n	425n*	1.2	5.0	12	.80	2.4	4.1m	.40	500 Δ	0	7	A295	ML157c
43	P2108-4	8192	1	D	MNX	300n	425n*	1.2	5.0	12	.80	2.4	4.1m	.40	500 Δ	0	7	A295	ML127v
44	RAM88B#2	8192	1	S	BTX	180n	200n	6.6	5.0	5.0	.80	2.0	20m	.40	1	8	A58b	PL3a	
45	RAM288B#2	8192	1	S	BTX	180n	155n*	6.6	5.0	5.0	.80	2.0	30m	.40	1	8	A58c	PL3a	
46	RAM388B#2	8192	1	S	BTX	300n	300n*	6.6	5.0	5.0	.80	2.0	30m	.40	1	8	A58c	PL3a	
47	25C02	8192	8	D	HNC	150n	275n	39	6.0	10	.80	2.0	15m#	5.0	167kΔ	1	5	PL5	PL5
48	30C82	8192	8	D	HNC	220n	350n	39	6.0	10	.80	2.0	15m#	5.0	167kΔ	1	5	PL5	PL5
49	811-03#2	8192	8	D	MXX	600n	800n	27	5.0	20			2.7	5.0		0	6	A57	
50	25C05	8192	9	D	HNC	150n	275n	43	6.0	10	.80	2.0	15m#	5.0	167kΔ	1	5	PL5	PL5
51	30C66	8192	9	D	HNC	220n	350n	43	6.0	10	.80	2.0	15m#	5.0	167kΔ	1	5	PL5	PL5
52	25C07	8192	16	D	HNC	150n	275n	39	6.0	10	.80	2.0	15m#	5.0	167kΔ	1	5	PL5	PL5
53	30C26	8192	16	D	HNC	220n	350n	39	6.0	10	.80	2.0	15m#	5.0	167kΔ	1	5	PL5	PL5
54	25C09	8192	18	D	HNC	150n	275n	43	6.0	10	.80	2.0	15m#	5.0	167kΔ	1	5	PL5	PL5
55	30C06	8192	18	D	HNC	220n	350n	43	6.0	10	.80	2.0	15m#	5.0	167kΔ	1	5	PL5	PL5
56#	MB8116Y	16384	1	D	MNG	120n	320n	462m	5.0	12	.80	2.4	4.2m	.40	0	7	A299	ML2	
57	MK4116P-1	16384	1	D	MNG	130n	320n	462m	5.0	12	.40%	2.4	4.2m	.40	0	7	A299	ML225	
58#	ITT4116-2J	16384	1	D	MNG	150n	375n*	462m	5.0	12	.80	2.4	4.2m	.40	500 Δ	0	7	PN16k	ML1k
59#	M58759K-15	16384	1	D	MNG	150n	375n*	462m	5.0	12	.80	2.4	4.2m	.40	500 Δ	0	7	A299	ML335
60	MK4116P-2	16384	1	D	MNG	150n	320n	462m	5.0	12	.80	2.4	4.2m	.40	500 Δ	0	7	A299	ML225
61	TMS4116-15JL	16384	1	D	MNG	150n	375n	462m	5.0	12	.80	2.4	4.2m	.40	500 Δ	0	7	A340	ML127y
62	uPD416C3	16384	1	D	MNG	150n	45n\$	1.0	5.0	12	.80	2.4	4.2m	.40	500 Δ	0	7	A360	ML236
63	uPD416D3	16384	1	D	MNG	150n	45n\$	1.0	5.0	12	.80	2.4	4.2m	.40	500 Δ	0	7	A360	ML1j
64	C2116-2	16384	1	D	MNG	200n	350n*	900m	5.0	12	.80	2.4	4.1m	.40	500 Δ	0	7	A266	ML140g
65#	HM4716-3	16384	1	D	MNG	200n	375n*	602m	5.0	12	.80	2.4	4.2m	.40	500 Δ	0	7	PN16k	ML89h
66	IM7116-3CDE	16384	1	D	MNG	200n	375n*	600m	5.0	12	.80	2.4	3.2m	.40	500 Δ	0	7	A266	ML225
67	IM7116A-3CDE	16384	1	D	MNG	200n	375n*	600m	5.0	12	.80	2.4	3.2m	.40	500 Δ	0	7	A266	ML225
68#	ITT4116-3J	16384	1	D	MNG	200n	375n*	462m	5.0	12	.80	2.4	4.2m	.40	500 Δ	0	7	PN16k	ML1k
69#	M58759K-20	16384	1	D	MNG	200n	375n*	462m	5.0	12	.80	2.4	4.2m	.40	500 Δ	0	7	A299	ML335
70	MK4116P-3	16384	1	D	MNG	200n	375n	462m	5.0	12	.80	2.4	4.2m	.40	500 Δ	0	7	A299	ML225
71	TMS4116-20JL	16384	1	D	MNG	200n	375n	462m	5.0	12	.80	2.4	4.2m	.40	500 Δ	0	7	A340	ML127y
72	uPD416C2	16384	1	D	MNG	200n	55n\$	1.0	5.0	12	.80	2.4	4.2m	.40	500 Δ	0	7	A360	ML236
73	uPD416D2	16384	1	D	MNG	200n	55n\$	1.0	5.0	12	.80	2.4	4.2m	.40	500 Δ	0	7	A360	ML1j
74	C2116	16384	1	D	MNG	250n	375n*	900m	5.0	12	.80	2.4	4.1m	.40	500 Δ	0	7	A266	ML140g
75	C2116-3	16384	1	D	MNG	250n	375n*	1.2	5.0	12	.80	2.4	4.1m	.40	500 Δ	0	7	A266	ML140g
76#	HM4716-4	16384	1	D	MNG	250n	375n*	602m	5.0	12	.80	2.4	4.2m	.40	500				

3. READ ONLY MEMORIES (ROMS)

IN ORDER OF (1)NO.WD(2)NO.BITS/WD(3)OP.MODE
PRG.CODE(4)STRUCT.(5)MAX ACC.TIME(6)TYPE No.

LINE No.	TYPE No.	ORGANIZATION		3 OP MODE	4 STRUCTURE CODE	5 MAX ACCESS TIME (s)	MAX OPER. POWER DISS. (W)	RATED POWER SUP.		INPUT LOGIC LEVELS		MIN OUTPUT SINK CURRENT		OPER. TEMP. RANGE CODE	GENERAL DESCRIPTION	DRAWINGS			
		1 No. WORDS	2 BITS PER WORD					NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)	(A)	@ OUT (V)			LOGIC/BLOCK	OUTLINE		
1#	RC825126F																		
2#	RC825129F																		
3#	RC825130F																		
4#	RC825131F																		
5#	RC825136F																		
6#	RC825137F																		
7#	RC825140F																		
8#	RC825141F																		
9#	RC825141N																		
10#	RC825180F																		
11#	RC825181F																		
12#	RC825181N																		
13#	NOM101C	1	1	SE	MPN			20	20				4	A	Non-Volatile	B116	CY9		
14#	NOM102C	1	2	SE	MPN			20	20				4	A	Non-Volatile	B117	CY10		
15#	NOM104C	1	4	SE	MPN			20	20				4	A	Non-Volatile	B118	ML137		
16#	NOM301C	8	8	SE	MPN			20	0.0				4	A	Non-Vol	B101	FL26		
17#	NOM401C	8	8	SE	MPN			20	20	-10% \emptyset	2.0		4	A	Non-Vol	B101	ML207c		
18	XC170	16	8	SE	MPN			0.0	5.0	4.5%	9.0	20m	4	A	Non Vol	B24	ML40		
19	XC171	16	8	SE	MPN	45n	370m	0.0	5.0	4.5%	2.5	16m	0	7		B24	ML40		
20	MCM4000L	16	8	SE	BDX	45n	365m	0.0	5.0	4.5%	2.5	16m	4	5		B24	ML5		
21	MCM4000P	16	8	SE	BDX	45n	365m	0.0	5.0	4.5%	2.5	12m	0	5	C	B24	ML145		
22	MCM4300L	16	8	SE	BDX	45n	365m	0.0	5.0	4.5%	2.5	16m	4	5		B24	ML5		
23	RM256#1	16	8	SE	TAX	70n		0.0	5.0				0	7	Pr Non-Vol	PN40A	ML14		
24	DM5488N	32	8	SE	BTX	20n†	240m†	0.0	5.0	.80	2.0	12m	4	5	C	PN16bs	ML178		
25	DM5488W	32	8	SE	BTX	20n†	240m†	0.0	5.0	.80	2.0	12m	4	5	C	PN16bs	FL39		
26	DM7488W	32	8	SE	BTX	20n†	240m†	0.0	5.0	.80	2.0	12m	4	5	C	PN16bs	FL39		
27	SN5488AN	32	8	SE	BTX	25n† \emptyset	285m†	0.0	5.0	.80	2.0	12m	4	5	C	PN16bs	ML48		
28	SN7488AW	32	8	SE	BTX	25n† \emptyset	285m†	0.0	5.0	.80	2.0	12m	4	5	C	PN16bs	MO004AC		
29	DM7598N	32	8	SE	BTX	30n†	350m†	0.0	5.0	.80	2.0 Δ	12m	4	5	C	B154	ML178		
30	DM5488J	32	8	SE	BTX	35n $\$$	400m	0.0	5.0	.80	2.0 Δ	12m	4	5	C	PN16bs	ML127f		
31	DM7488J	32	8	SE	BTX	35n $\$$	400m	0.0	5.0	.80	2.0 Δ	12m	4	5	C	PN16bs	ML127f		
32	DM7488N	32	8	SE	BTX	35n $\$$	400m	0.0	5.0	.80	2.0 Δ	12m	4	5	C	PN16bs	ML178		
33	5230D	32	8	SE	BTX	50n	500m	0.0	5.0	.80	2.0	10m	4	5	C	PN16bw	ML158		
34	5230J	32	8	SE	BTX	50n	500m	0.0	5.0	.80	2.0	10m	4	5	C	PN16bw	ML157		
35	5230N	32	8	SE	BTX	50n	500m	0.0	5.0	.80	2.0	10m	4	5	C	PN16bw	ML157		
36	5231D	32	8	SE	BTX	50n	625m	0.0	5.0	.80	2.0 $\$$	10m	4	5	C	PN16bw	ML158		
37	5231J	32	8	SE	BTX	50n	625m	0.0	5.0	.80	2.0 $\$$	10m	4	5	C	PN16bw	ML157		
38	5231N	32	8	SE	BTX	50n	625m	0.0	5.0	.80	2.0 $\$$	10m	4	5	C	PN16bw	ML157		
39	6230-1D	32	8	SE	BTX	50n	500m $\$$	0.0	5.0	.80	2.0 Δ	16m	5	0	7		B132	ML158	
40	6230D	32	8	SE	BTX	50n	500m	0.0	5.0	.80	2.0	16m	4	5	C	PN16bw	ML158		
41	6230J	32	8	SE	BTX	50n	500m	0.0	5.0	.80	2.0	16m	4	5	C	PN16bw	ML157		
42	6230N	32	8	SE	BTX	50n	500m	0.0	5.0	.80	2.0	16m	4	5	C	PN16bw	ML157		
43	6231-1D	32	8	SE	BTX	50n	625m $\$$	0.0	5.0	.80	2.0 $\$$	16m	5	0	7		B132	ML158	
44	6231D	32	8	SE	BTX	50n	625m	0.0	5.0	.80	2.0 $\$$	16m	4	5	C	PN16bw	ML158		
45	6231J	32	8	SE	BTX	50n	625m	0.0	5.0	.80	2.0 $\$$	16m	4	5	C	PN16bw	ML157		
46	6231N	32	8	SE	BTX	50n	625m	0.0	5.0	.80	2.0 $\$$	16m	4	5	C	PN16bw	ML157		
47	93434DC	32	8	SE	BTX	50n \emptyset	400m	0.0	5.0	.85	1.6	10m	4	5	C	B142	ML60a		
48	93434DM	32	8	SE	BTX	50n \emptyset	400m	0.0	5.0	.80	1.4	10m	4	5	C	B142	ML60a		
49	DM8598J	32	8	SE	BTX	50n $\$$	350m†	0.0	5.0	.80	2.0 $\$$	12m	4	5	C	B154	ML127f		
50	DM8598N	32	8	SE	BTX	50n $\$$	350m†	0.0	5.0	.80	2.0 $\$$	12m	4	5	C	B154	ML178		
51#	FJ893434	32	8	SE	BTX	50n \emptyset	400m $\$$	0.0	5.0	.85	1.6	10m	4	5	C	PN16br	ML4e		
52	MCM4002L	32	8	SE	BTX	50n	500m	0.0	5.0	4.5%	2.5	12m	4	5	C	B60	ML5		
53	MCM4002P	32	8	SE	BTX	50n	500m	0.0	5.0	4.5%	2.5	12m	4	5	C	B60	ML145		
54	N7488R	32	8	SE	BTX	50n $\$$	400m	0.0	5.0	4.0%		16m	4	5	C	B67	FL18		
55	QR0256-1	32	8	SE	BTX	50n	400m	0.0	7.0	.80	2.0	10m	4	5	C	PN16br	ML15		
56	QR0256-9	32	8	SE	BTX	50n	400m	0.0	7.0	.80	2.0	10m	4	5	C	PN16br	ML15		
57#	S82524B	32	8	SE	BTX	50n \emptyset	400m \emptyset	0.0	5.0	40%		9.6m	4	5	C	B67	ML89a		
58#	S82524F	32	8	SE	BTX	50n \emptyset	400m \emptyset	0.0	5.0	40%		9.6m	4	5	C	B67	ML60a		
59#	S82524W	32	8	SE	BTX	50n \emptyset	400m \emptyset	0.0	5.0	40%		9.6m	4	5	C	B67	FL25		
60	SN7488N	32	8	SE	BTX	50n \emptyset	240m†	0.0	5.0	.80	2.0	12m	4	5	C	PN16bs	ML48		
61	5230-1D	32	8	SE	BTX	60n	500m $\$$	0.0	5.0	.80	2.0 Δ	10m	5	0	7		B132	ML158	
62	5231-1D	32	8	SE	BTX	60n	625m $\$$	0.0	5.0	.80	2.0 $\$$	10m	5	0	7		B132	ML158	
63	DM7598J	32	8	SE	BTX	65n $\$$	350m†	0.0	5.0	.80	2.0 $\$$	12m	4	5	C	B154	ML127f		
64	MC10139P	32	8	SE	BEX	17n†	500m†	5.2	0.0	-1.4	-1.1		0	7		B23	ML39		
65	SN10139J	32	8	SE	BEX	20n	754m	5.2	0.0	-1.6	-1.6		0	8		B193	ML61a		
66	SN10139JE	32	8	SE	BEX	20n	754m	5.2	0.0	-1.6	-1.6		0	8		B193	ML140b		
67	HM9-7602-5	32	8	SE	BDT	40n	525m	0.0	5.0	.80	2.0 Δ	16m	4	5	C	B156	FL54		
68	HM9-7603-5	32	8	SE	BDT	40n	525m	0.0	5.0	.80	2.0 Δ	16m	4	5	C	B156	FL54		
69	HM3-7602-2	32	8	SE	BDT	50n	525m	0.0	5.0	.80	2.0 Δ	16m	4	5	C	B156	ML313		
70	HM3-7603-2	32	8	SE	BDT	50n	525m	0.0	5.0	.80	2.0 Δ	16m	4	5	C	B156	ML313		
71	HM9-76LS03-5	32	8	SE	BDT	500n	125m	0.0	5.0	.80	2.0 $\$$	10m	4	5	C	PROM	B156	FL54	
72	SN74188J	32	8	SE	BTX	30n†	410m†	0.0	5.0	.80	2.0 $\$$	12m	4	5	C	Field Program	PN16bs	ML61a	
73	SN74188N	32	8	SE	BTX	30n†	410m†	0.0	5.0	.80	2.0	12m	4	5	C	Field Program	PN16bs	ML48	
74	DM7577J	32	8	SE	BTX	35n†	550m	0.0	5.0	.80	2.0	12m	4	5	C	Field Program	PN16cu	ML127f	
75	DM7577N	32	8	SE	BTX	35n†	550m	0.0	5.0	.80	2.0	12m	4	5	C	Field Program	PN16cu	ML178	
76	DM7578J	32	8	SE	BTX	35n†	550m	0.0	5.0	.80	2.0 $\$$	12m	4	5	C	Field Program	PN16cu	ML127f	
77	DM7578N	32	8	SE	BTX	35n†	550m	0.0	5.0	.80	2.0 $\$$	12m	5	0	7		Field Program	PN16cu	ML178
78	DM8577J	32	8	SE	BTX	35n†	550m	0.0	5.0	.80	2.0	12m	4	5	C	Field Program	PN16cu	ML127f	
79	DM8577N	32	8	SE	BTX	35n†	550m	0.0	5.0	.80	2.0 Δ	12m	4	5	C	Field Program	PN16cu	ML178	
80	DM8578J	32	8	SE	BTX	35n†	550m	0.0	5.0	.80	2.0 Δ	12m	4	5	C	Field Program	PN16cu	ML127f	
81	DM8578N	32	8	SE	BTX	35n†	550m	0.0	5.0	.80	2.0 $\$$	12m	4	5	C	Field Program	PN16cu	ML178	
82	5330D	32	8	SE	BTX	50n	500m	0.0	5.0	.80	2.0	10m	4	5	C	B132	ML158		
83	5330J	32	8	SE	BTX	50n	500m	0.0	5.0	.80	2.0	10m	4	5	C	B132	ML157		
84	5331D	32	8	SE	BTX	50n	625m	0.0	5.0	.80	2.0 $\$$	10m	4	5	C	B132	ML158		
85	5331J	32	8	SE	BTX	50n	625m	0.0	5.0	.80	2.0 $\$$	10m	4	5	C	B132	ML157		
86	6330-1D	32	8	SE	BTX	50n	500m $\$$	0.0	5.0	.80	2.0 Δ	16m	5	0	7		Fld Prog	B132	ML158
87	6330D	32	8	SE	BTX	50n	500m	0.0	5.0	.80	2.0	16m	4	5					

3. READ ONLY MEMORIES (ROMS)

IN ORDER OF (1)NO.WDS(2)NO.BITS/WD(3)OP.MODE
PRG.CODE(4)STRUCT.(5)MAX ACC.TIME(6)TYPE No.

LINE No.	TYPE No.	ORGANIZATION		MODE	STRUCTURE CODE	MAX ACCESS TIME (s)	MAX OPER. POWER DISS. (W)	RATED POWER SUP. SPAN		INPUT LOGIC LEVELS		MIN OUTPUT SINK CURRENT		OPER. TEMP. RANGE CODE	GENERAL DESCRIPTION	DRAWINGS	
		1 No. WORDS	2 BITS PER WORD					NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)	(A)	@ OUT (V)			LOGIC/BLOCK	OUTLINE
1#	MSL8515A	32	8	SE	BTX	80n	500m	0.0	5.0	.80	2.0Δ	16m	.40		PROM	B281	ML98
2#	MSL8516A	32	8	SE	BTX	80n	500m	0.0	5.0	.80	2.0Δ	16m	.40		PROM	B281	ML98
3	RM256#5	32	8	SE	TAX	70n		0.0	5.0	0.0	5.0			0	Pr Non-Vol	PN40A	ML14
4#	RC82S106I	48	8	SE	BTD	100n	900m	0.0	5.0	.80	2.0Δ	4.8m	.50	5	16 Inp PROM	B362	ML218b
5#	S82S170I	48	8	SE	BTD	100n	900m	0.0	5.0	.80	2.0Δ	4.8m	.50	5	16 Inp PROM	B362	ML218b
6	MCS1008	56	8	DC	MPX	20uΔ	150m	12	5.0	-15%	3.5	1.6m	.40	2	KE 28 key	B114	ML7
7	MTS1008	56	8	DC	MPX	20uΔ	150m	12	5.0	-15%	3.5	1.6m	.40	2	KE 28 key	B114	TOT10
8	RM256#4	64	4	SE	TAX	70n		0.0	5.0	0.0	5.0			0	Pr Non-Vol	PN40A	ML14
9	SN54186N	64	4	SC	BTX	50n†	600m†	0.0	5.0	.80	2.0	12m	.40	5		B17	ML72
10	MCM4003AL	64	8	SC	BTX	75n	600m†	0.0	5.0	.50%	2.5	200uΔ		5		B103	ML95
11	MCM4303AL	64	8	SC	BTX	75n	600m†	0.0	5.0	.45%	2.5	200uΔ		5		B103	ML95
12	HPROM0512-8	64	8	SE	BTX	55n†	400m†	0.0	5.0	.80	2.0	10m	.45	5		B17	ML30d
13	HPROM0512-2	64	8	SE	BTX	55n†	400m†	0.0	5.0	.80	2.0	10m	.45	5	F-O 10	B17	ML30a
14	HPROM0512-5	64	8	SE	BTX	55n†	400m†	0.0	5.0	.80	2.0	10m	.45	5	F-O 10	B17	ML30a
15	HPROM0512-2	64	8	SE	BTX	75n	400m†	0.0	5.0	.80	2.0	10m	.45	5		B17	ML30d
16	HPROM0512-5	64	8	SE	BTX	75n	400m†	0.0	5.0	.80	2.0	10m	.45	5		B17	ML30d
17	MRM1A64-80	64	80	SC	MXX	330n	9.5	12	12	.40	2.5	1.6m	.40	0		B54	PL4
18	RM256#3	128	2	SE	TAX	70n		0.0	5.0	0.0	5.0			0	Pr Non-Vol	PN40A	ML14
19	pM1024C	128	8	DC	MXX	2.0u	100m	25	0.0	-3.0	-9.0			0			FL3a
20	CM2800CPGXXX	128	8	SC	BTX	50n	400u%†	0.0	5.0	.80	2.0	16m	.40	0		PN24v	ML21a
21	CM2800MPGXXX	128	8	SC	BTX	50n	400u%†	0.0	5.0	.80	2.0	16m	.40	0		PN24v	ML21a
22	MM5220	128	8	SC	BTX	75n	600m	0.0	5.0	.80	2.0	10m	.40	5		B84	ML47c
23	MM5221	128	8	SC	BTX	75n	600m	0.0	5.0	.80	2.0Δ	10m	.40	5		B84	ML47c
24	MM6220	128	8	SC	BTX	75n	600m	0.0	5.0	.85	2.0	15m	.45	0		B84	ML47c
25	MM6221	128	8	SC	BTX	75n	600m	0.0	5.0	.85	2.0Δ	15m	.45	0		B84	ML47c
26	UC7526	128	8	SC	MPA	1.5u	130m	27	0.0	-2.0	-9.0	1.6m	-.15	0		B19	ML31a
27	CRC3001-1-3	128	8	SC	MPC	4.0u	130m	27	0.0	-2.0	-9.0			0		B4	ML13a
28	CRC3001-2-3	128	8	SC	MPC	4.0u	130m	27	0.0	-2.0	-9.0			0		B4	FL3
29	MM4220D#1	128	8	SC	MPX	650n	300m	12	12	10*	4.0#			5		B26a	ML128
30	MM4220J#1	128	8	SC	MPX	650n	300m	12	12	10*	4.0#			5		B26a	ML133a
31	MM5220D#1	128	8	SC	MPX	650n	300m	12	12	10*	4.0#			5		B26a	ML128
32	MM5220J#1	128	8	SC	MPX	650n	300m	12	12	10*	4.0#			5		B26a	ML133a
33	MM5220N#1	128	8	SC	MPX	650n	300m	12	12	10*	4.0#	3.0m	3.0	5		B26a	ML183
34	IM7602CDG	128	8	SC	MPX	750n	360m	0.0	12	10*	4.0#			5		B2a	ML27
35	MM4221J#1	128	8	SC	MPX	950n	204m	12	5.0	3.0*	.80#			5		B26a	ML133a
36	MM5221J#1	128	8	SC	MPX	950n	204m	12	5.0	3.0*	.80#			5		B26a	ML133a
37	MM5221N#1	128	8	SC	MPX	950n	204m	12	5.0	3.0*	.80#			5		B26a	ML183
38	IM7602MDG	128	8	SC	MPX	1.0u	360m	0.0	12	10*	4.0#	3.0m	3.0	5		B2a	ML27
39	MM422#1	128	8	SC	MPX	1.0u	420m	12	12	10*	4.0#			5		B26a	ML30b
40	MM522#1	128	8	SC	MPX	1.0u	420m	12	12	10*	4.0#			5		B26a	ML30b
41	MM3501D	128	8	SC	MPX	4.0u	215m	27	0.0	-2.0	-9.0	10u	-1.0	0		B107	ML128
42	MM3501J	128	8	SC	MPX	4.0u	215m	27	0.0	0.0	-9.0#			0		B107	ML133a
43	MM3501N	128	8	SC	MPX	4.0u	215m	27	0.0	0.0	-9.0#			0		B107	ML183
44	pM1024A#1	128	8	SC	MXX	1.0u	100m	25	0.0	-3.0	-9.0			5			FL3a
45	pM1024A#2	128	8	SC	MXX	1.0u	100m	25	0.0	-3.0	-9.0			5			FL3a
46	pM1024AC	128	8	SC	MXX	1.0u	100m	25	0.0	-3.0	-9.0			5			FL3a
47	pM1024#1	128	8	SC	MXX	2.0u	100m	25	0.0	-3.0	-9.0			5			FL3a
48	pM1024#2	128	8	SC	MXX	2.0u	100m	25	0.0	-3.0	-9.0			5			FL3a
49	pMS1024C	128	8	SC	MXX	4.0u	250m	25	0.0	-2.0	-9.0			5			FL3a
50	MM4222BN	128	8	SS	MPX	1.0u	420m	12	12	10*	4.0#			5	Arctangent Pr	B26a	ML30b
51	MM5222BN	128	8	SS	MPX	1.0u	420m	12	12	10*	4.0#			5	Arctangent Pr	B26a	ML30b
52	UA2525F#1	128	8	SC	MXX	900n	360m	10	0.0	.80*	2.7	1.6m	.40	5		B9	FL3a
53	TMS2900JC#2	128	10	SC	MXX	400n	400m	12	5.0	1.0	3.5Δ	3.2m	.80	2		B66	ML47d
54	TMS2900NC#2	128	10	SC	MXX	400n	400m	12	5.0	1.0	3.5Δ	3.2m	.80	2		B66	ML72
55	S8457#1	128	12	SC	MPI	1.0u†	1.0	12	5.0	.70	4.0	1.6m	.40	0		B89	ML13b
56	S8539#1	128	12	SC	MPI	1.0u†	1.0	12	5.0	.70	4.0	1.6m	.40	0		B92	ML13b
57	TMS4500JC	128	16	SC	MPX	55n		20	0.0	-1.0	-10			0		B40	ML14
58	MRM2A128-40	128	40	SC	MXX	330n	9.5	12	12	.40	2.5	1.6m	.40	0		B54	PL4
59	MRM1B128-80	128	80	SC	MXX	330n	9.5	12	12	.40	2.5	1.6m	.40	0		B54	PL4
60	HPROM1256-8	256	1	SE	BTX	50n	525m†	0.0	5.0	.80	2.0	16m	.45	5		B69	ML15
61	HPROM1256-2	256	1	SE	BTX	50n	525m†	0.0	5.0	.80	2.0Δ	16m	.45	5		B16	ML15
62	HPROM1256-5	256	1	SE	BTX	50n	525m†	0.0	5.0	.80	2.0Δ	16m	.45	5		B16	ML15
63	HPROM1256-2	256	1	SE	BTX	60n	600m	0.0	5.0	.80	2.0Δ	16m	.45	5		B69	ML15
64	HPROM1256-5	256	1	SE	BTX	60n	600m	0.0	5.0	.80	2.0Δ	16m	.45	5		B69	ML15
65	RM256#2	256	4	SE	TAX	70n		0.0	5.0	0.0	5.0			0	Pr Non-Vol	PN40A	ML14
66	DM7597D	256	4	S	BTX	60n		0.0	5.0	.80	2.0Δ	16m	.40	5		B153	ML177
67	DM7574D	256	4	S	BTX	85n	550m	0.0	5.0	.80	2.0Δ	16m	.40	5	Field Program	B80	ML177
68	DM7574J	256	4	S	BTX	85n	550m	0.0	5.0	.80	2.0Δ	16m	.40	5	Field Program	B80	ML127f
69	DM8574D	256	4	S	BTX	85n	550m	0.0	5.0	.80	2.0Δ	16m	.40	5	Field Program	B80	ML177
70	DM8574J	256	4	S	BTX	85n	550m	0.0	5.0	.80	2.0Δ	16m	.40	5	Field Program	B80	ML127f
71	MCM10150AL	256	4	SC	BEX	20n	780m	0.0	5.2	-1.6%	-.89			3		B145a	ML98
72#	GXB10149D	256	4	SC	BEX	25n		5.2	0.0					3			
73	MCM10149AL	256	4	SC	BEX	25n	676m	0.0	5.2	-1.6%	-.89			3		B145	ML98
74#	MD5200	256	4	SC	BTC	50n	575m	0.0	5.5	.80	2.0	10m	.40	5		B50	ML10a
75#	MD6200	256	4	SC	BTC	50n	575m	0.0	5.5	.85	2.0	15m	.45	5		B50	ML10a
76	DM54S187J	256	4	SC	BTD	30n†	650m	0.0	5.0	.80	2.0Δ	16m	.50	5		B80	ML127f
77	DM74S187J	256	4	SC	BTD	30n†	650m	0.0	5.0	.80	2.0Δ	16m	.45	5		B80	ML127f
78	DM74S187N	256	4	SC	BTD	30n†	650m	0.0	5.0	.80	2.0Δ	16m	.45	5		B80	ML178
79	DM75S97J	256	4	SC	BTD	30n†	650m	0.0	5.0	.80	2.0Δ	16m	.50	5		B80	ML127f
80	DM85S97J	256	4	SC	BTD	30n†	650m	0.0	5.0	.80	2.0Δ	16m	.45	5		B80	ML127f
81	DM85S97N	256	4	SC	BTD	30n†	650m	0.0	5.0	.80	2.0Δ	16m	.45	5		B80	ML178
82	6200-1D	256	4	SC	BTD	45n	625m†	0.0	5.0	.80	2.0Δ	16m	.50	5		B50	ML158
83	6201-1D	256	4	SC	BTD	45n		0.0	5.0	.80	2.0Δ	16m	.50	5		B50	ML158
84	C3301A	256	4	SC	BTD	45n	656m	0.0	5.0	.85	2.0	15m	.45	5		PN16bz	ML10c
85	H6200D	256	4	SC	BTD	45n	625m	0.0	5.0	.80	2.0	15m	.50	5		B50	ML158
86	H6200N	256	4	SC	BTD	45n	625m										

3. READ ONLY MEMORIES (ROMS)

IN ORDER OF (1)No.WDS(2)No.BITS/WD(3)OP.MODE
PRG.CODE(4)STRUCT.(5)MAX ACC.TIME(6)TYPE No.

LINE No.	TYPE No.	ORGANIZATION		3 OP MODE	4 STRUCTURE CODE	5 MAX ACCESS TIME (s)	MAX OPER. POWER DISS. (W)	RATED POWER SUP.		INPUT LOGIC LEVELS		MIN OUTPUT SINK CURRENT		OPER. TEMP. RANGE CODE	GENERAL DESCRIPTION	DRAWINGS			
		1 No. WORDS	2 BITS PER WORD					NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)	(A)	@ OUT (V)			LOGIC/BLOCK	OUTLINE		
																		OPER. RANGE CODE	
1	6200J	256	4	SC	BTX	50n	625m	0.0	5.0	.80	2.0	16m	.45	0	+	PN16bv	ML157		
2	6200N	256	4	SC	BTX	50n	625m	0.0	5.0	.80	2.0	16m	.45	0	7	PN16bv	ML157		
3	6201D	256	4	SC	BTX	50n	625m	0.0	5.0	.80	2.0	16m	.45	0	7	PN16bv	ML158		
4	6201J	256	4	SC	BTX	50n	625m	0.0	5.0	.80	2.0	16m	.45	0	7	PN16bv	ML157		
5	6201N	256	4	SC	BTX	50n	625m	0.0	5.0	.80	2.0	16m	.45	0	7	PN16bv	ML157		
6	93406DC	256	4	SC	BTX	50n	650m	0.0	5.0	.85	2.0	15m	.45	0	7	PN16bv	ML157		
7	CM2850CDEXXXX	256	4	SC	BTX	50n	400u	+	0.0	5.0	.80	2.0	16m	.40	0	7	B123	ML98a	
8	CM2850CPEXXXX	256	4	SC	BTX	50n	400u	+	0.0	5.0	.80	2.0	16m	.40	0	7	PN16bz	ML1	
9	CM2850MDEXXXX	256	4	SC	BTX	50n	400u	+	0.0	5.0	.80	2.0	16m	.40	0	7	PN16bz	ML2c	
10	CM2850MPEXXXX	256	4	SC	BTX	50n	400u	+	0.0	5.0	.80	2.0	16m	.40	5	C	PN16bz	ML1	
11#	FJ893406	256	4	SC	BTX	50n	400u	+	0.0	5.0	.80	2.0	16m	.40	5	C	PN16bz	ML2c	
12	MCM4004L	256	4	SC	BTX	50n	650m	+	0.0	5.0	.85	2.0	15m	.45	0	7	B48	ML4e	
13	DM7597J	256	4	SC	BTX	60n	550m	+	0.0	5.0	.85	2.0	15m	.45	0	7	E12	ML5	
14	DM8597J	256	4	SC	BTX	60n	550m	+	0.0	5.0	.80	2.0	16m	.40	5	C	B153	ML127f	
15	DM8597N	256	4	SC	BTX	60n	550m	+	0.0	5.0	.80	2.0	16m	.40	5	C	B153	ML127f	
16	HROM1024B2	256	4	SC	BTX	60n	500m	+	0.0	5.0	.85	2.0	15m	.45	5	C	B153	ML178	
17	HROM1024B5	256	4	SC	BTX	60n	500m	+	0.0	5.0	.85	2.0	15m	.45	5	C	B153	ML178	
18	MCM4004AL	256	4	SC	BTX	60n	700m	+	0.0	5.0	.45%	2.5	10m	.45	0	7	E12	ML98	
19	MCM4304L	256	4	SC	BTX	60n	700m	+	0.0	5.0	.45%	2.5	10m	.45	5	C	E12	ML60b	
20	DM76197F	256	4	SC	BTX	70n	100m	+	0.0	5.0	.70	2.0	2.0m	.30	5	C	B80	FL37	
21	DM86197F	256	4	SC	BTX	70n	100m	+	0.0	5.0	.70	2.0	3.2m	.40	0	7	B80	FL37	
22	DM54L187AF	256	4	SC	BTX	85n	90m	+	0.0	5.0	.70	2.0	2.0m	.30	5	C	B80	FL37	
23	DM54L187AJ	256	4	SC	BTX	85n	90m	+	0.0	5.0	.70	2.0	2.0m	.30	5	C	B80	ML127f	
24	DM54L187AN	256	4	SC	BTX	85n	90m	+	0.0	5.0	.70	2.0	2.0m	.30	5	C	B80	ML178	
25	DM54L187AW	256	4	SC	BTX	85n	90m	+	0.0	5.0	.70	2.0	2.0m	.30	5	C	B80	FL39	
26	DM74L187AF	256	4	SC	BTX	85n	90m	+	0.0	5.0	.70	2.0	3.2m	.40	0	7	B80	FL37	
27	DM74L187AJ	256	4	SC	BTX	85n	90m	+	0.0	5.0	.70	2.0	3.2m	.40	0	7	B80	ML127f	
28	DM74L187AN	256	4	SC	BTX	85n	90m	+	0.0	5.0	.70	2.0	3.2m	.40	0	7	B80	ML178	
29	DM74L187AW	256	4	SC	BTX	85n	90m	+	0.0	5.0	.70	2.0	3.2m	.40	0	7	B80	FL39	
30	QRO1024-1	256	4	SC	BTX	90n	450m	+	0.0	7.0	.80	2.0	16m	.40	5	C	B34	ML15	
31	QRO1024-9	256	4	SC	BTX	90n	450m	+	0.0	7.0	.80	2.0	16m	.40	5	C	B34	ML15	
32	DM76197J	256	4	SC	BTX	130n	100m	+	0.0	5.0	.70	2.0	2.0m	.30	5	C	B80	ML127f	
33	DM76197N	256	4	SC	BTX	130n	100m	+	0.0	5.0	.70	2.0	2.0m	.30	5	C	B80	ML178	
34	DM76197W	256	4	SC	BTX	130n	100m	+	0.0	5.0	.70	2.0	3.2m	.30	5	C	B80	FL39	
35	DM86197J	256	4	SC	BTX	130n	100m	+	0.0	5.0	.70	2.0	3.2m	.40	0	7	B80	ML127f	
36	DM86197N	256	4	SC	BTX	130n	100m	+	0.0	5.0	.70	2.0	3.2m	.40	0	7	B80	ML178	
37	DM86197W	256	4	SC	BTX	130n	100m	+	0.0	5.0	.70	2.0	3.2m	.40	0	7	B80	FL39	
38	MM4210D	256	4	SC	MPX	650n	300m	+	12	12	10*	4.0#			5	C	B27	ML198	
39	MM4210J	256	4	SC	MPX	650n	300m	+	12	12	10*	4.0#			5	C	B27	ML127f	
40	MM4220D#2	256	4	SC	MPX	650n	300m	+	12	12	10*	4.0#			5	C	B26a	ML128	
41	MM4220J#2	256	4	SC	MPX	650n	300m	+	12	12	10*	4.0#			5	C	B26a	ML133a	
42	MM5210D	256	4	SC	MPX	650n	300m	+	12	12	10*	4.0#			0	7	B27	ML198	
43	MM5210J	256	4	SC	MPX	650n	300m	+	12	12	10*	4.0#			0	7	B27	ML127f	
44	MM5210N	256	4	SC	MPX	650n	300m	+	12	12	10*	4.0#			0	7	B27	ML178	
45	MM5220D#2	256	4	SC	MPX	650n	300m	+	12	12	10*	4.0#			2	7	B26a	ML128	
46	MM5220J#2	256	4	SC	MPX	650n	300m	+	12	12	10*	4.0#			2	7	B26a	ML133a	
47	MM5220N#2	256	4	SC	MPX	650n	300m	+	12	12	10*	4.0#			2	7	B26a	ML183	
48	IM7601CDE	256	4	SC	MPX	75n	360m	+	0.0	12	10*	4.0#	3.0m	3.0	5	C	B27	ML1	
49	MM4211D	256	4	SC	MPX	950n	60m	+	12	12	3.0*	.80#			5	C	B27	ML198	
50	MM4211J	256	4	SC	MPX	950n	60m	+	12	12	3.0*	.80#			5	C	B27	ML127f	
51	MM4221J#2	256	4	SC	MPX	950n	204m	+	12	12	3.0*	.80#			5	C	B26a	ML133a	
52	MM5211D	256	4	SC	MPX	950n	60m	+	12	12	3.0*	.80#			2	7	B27	ML198	
53	MM5211J	256	4	SC	MPX	950n	60m	+	12	12	3.0*	.80#			2	7	B27	ML127f	
54	MM5211N	256	4	SC	MPX	950n	60m	+	12	12	3.0*	.80#			2	7	B27	ML178	
55	MM5221J#2	256	4	SC	MPX	950n	204m	+	12	12	3.0*	.80#			0	7	B26a	ML133a	
56	MM5221N#2	256	4	SC	MPX	950n	204m	+	12	12	3.0*	.80#			0	7	B26a	ML183	
57	IM7601MDE	256	4	SC	MPX	1.0u	360m	+	0.0	12	10*	4.0#	3.0m	3.0	2	7	B27	ML1	
58	MM421	256	4	SC	MPX	1.0u	420m	+	12	12	10**	4.0#			5	C	B27	ML4b	
59	MM422#2	256	4	SC	MPX	1.0u	420m	+	12	12	10**	4.0#			5	C	B26a	ML30b	
60	MM521	256	4	SC	MPX	1.0u	420m	+	12	12	10**	4.0#			2	7	B27	ML4b	
61	MM522#2	256	4	SC	MPX	1.0u	420m	+	12	12	10**	4.0#			2	7	B26a	ML30b	
62	S8452	256	4	SC	MPX	5.0u	500m	+	28	0.0	-9.0	-2.0			0	7	B30	ML44	
63	TMS2800JC	256	4	SC	MXX	900n	200m	+	24	0.0	-3.0	-8.0			2	8	B22	ML37	
64	TMS2800NC	256	4	SC	MXX	900n	170m	+	12	12	-3.0	-8.0			2	8	B22	ML48a	
65	UA2525F#2	256	4	SC	MXX	900n	360m	+	10	0.0	-8.0	-2.7	1.6m	.40	5	C	B6	FL3a	
66#	GXB10149A	256	4	SC	BEX	12n	572	+	5.2	0.0	-1.4	-1.1			0	8	B200	ML140d	
67	10149D	256	4	SC	BEX	25n	728m	+	5.2	0.0	-1.6%	-.98			3	8	B224	ML158	
68#	MD6300	256	4	SC	BTC	55n	575m	+	0.0	5.5	.85		15m	.45	0	7	B50a	ML10a	
69#	MD5300	256	4	SC	BTC	65n	575m	+	0.0	5.5	.80		10m	.40	5	C	B50a	ML10a	
70	DM545287D	256	4	SC	BTD	30n	650m	+	0.0	5.0	.80		16m	.50	5	C	B135	ML177	
71	DM545387D	256	4	SC	BTD	30n	650m	+	0.0	5.0	.80		16m	.50	5	C	B135	ML177	
72	HM9-7610A5	256	4	SC	BTD	40n	650m	+	0.0	5.0	.80		2.0	16m	.45	0	7	B377	FL54
73	HM9-7611A5	256	4	SC	BTD	40n	650m	+	0.0	5.0	.80		2.0	16m	.45	0	7	B377	FL54
74	AM27520DC	256	4	SC	BTD	45n	650m	+	0.0	5.0	.80		2.0	16m	.45	0	7	B446	ML312a
75	D3601-1	256	4	SC	BTD	50n	650m	+	0.0	5.0	.85		2.0	15m	.45	6	C	PN16cc	ML127a
76	D3621-1	256	4	SC	BTD	50n	650m	+	0.0	5.0	.85		2.0	15m	.45	6	C	PN16cc	ML157c
77	29662DC	256	4	SC	BTD	60n	650m	+	0.0	5.0	.80		2.0	16m	.50	0	7	B316a	ML7
78	29663DC	256	4	SC	BTD	60n	650m	+	0.0	5.0	.80		2.0	16m	.50	0	7	B316a	ML7
79	HM3-7610A2	256	4	SC	BTD	60n	650m	+	0.0	5.0	.80		2.0	16m	.45	5	C	B377	ML313
80	HM3-7611A2	256	4	SC	BTD	60n	650m	+	0.0	5.0	.80		2.0	16m	.45	5	C	B377	ML313
81	HM9-7610-5	256	4	SC	BTD	60n	650m	+	0.0	5.0	.80		2.0	16m	.45	0	7	B157	FL54
82	HM9-7611-5	256	4	SC	BTD	60n	650m	+	0.0	5.0	.80		2.0	16m	.45	0	7	B157	FL54
83	29660DC	256	4</																

3. READ ONLY MEMORIES (ROMS)

IN ORDER OF (1)No.WDS(2)No.BITS/WD(3)OP.MODE
PRG.CODE(4)STRUCT.(5)MAX ACC.TIME(6)TYPE No.

LINE No.	TYPE No.	ORGANIZATION		3 OP 4	5	MAX ACCESS TIME (s)	MAX OPER. POWER DISS. (W)	RATED POWER SUP. SPAN		INPUT LOGIC LEVELS		MIN OUTPUT SINK CURRENT		OPER. TEMP. RANGE CODE	GENERAL DESCRIPTION	DRAWINGS			
		1 No. WORDS	2 BITS PER WORD					MODE	STRUCTURE	NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)			(A)	@ OUT (V)	LOGIC/BLOCK	OUTLINE
1	6300-1D	256	4	SE	BTX	60n∅	600m∅	0.0	5.0	8.0	2.0Δ	16m	50	0	7	Fld Prog	B50	ML158	
2	6300D	256	4	SE	BTX	60n	600m	0.0	5.0	8.0	2.0	16m	45	0	7		B50	ML158	
3	6300J	256	4	SE	BTX	60n	600m	0.0	5.0	8.0	2.0	16m	45	0	7		B50	ML127e	
4	6301-1D	256	4	SE	BTX	60n∅	600m∅	0.0	5.0	8.0	2.0δ	16m	50	0	7	Fld Prog	B60	ML158	
5	6301D	256	4	SE	BTX	60n	600m	0.0	5.0	8.0	2.0δ	16m	45	0	7		B50	ML158	
6	6301J	256	4	SE	BTX	60n	600m	0.0	5.0	8.0	2.0δ	16m	45	0	7		B50	ML127e	
7	DM7573D	256	4	SE	BTX	60n∅	400m∅	0.0	5.0	8.0	2.0	16m	40	5	C	Field Program	B80	ML177	
8	DM8573D	256	4	SE	BTX	60n∅	400m∅	0.0	5.0	8.0	2.0	16m	40	5	C	Field Program	B80	ML177	
9#	FLR131	256	4	SE	BTX	60n	500m	0.0	5.0	8.0	2.0	20m	40	0	7	PROM			
10	IM5603ACTE	256	4	SE	BTX	60n∅	439u%	0.0	5.0	8.0	2.0Δ	40uΔ	5.5	0	7	PROM	B412	ML396	
11	IM5603MFE	256	4	SE	BTX	60n∅	500m	0.0	5.0	8.5	2.0	16m	45	5	C		B82	B82	
12#	MB7052	256	4	SE	BTX	60n	690m	0.0	5.0	8.0	2.0δ	16m	45	0	7	PROM	B82	ML4k	
13#	MB7057	256	4	SE	BTX	60n	690m	0.0	5.0	8.0	2.0Δ	16m	45	0	7	PROM	B82	ML4k	
14	N8226E	256	4	SE	BTX	60n	850m	0.0	5.0	8.5	2.0	16m	50	0	7		B68	ML61c	
15	N8229E	256	4	SE	BTX	60n	850m	0.0	5.0	8.5	2.0δ	16m	50	0	7		B68	ML61c	
16	S8226E	256	4	SE	BTX	60n	850m	0.0	5.0	8.5	2.0	16m	50	5	C		B68	ML61c	
17	S8229E	256	4	SE	BTX	60n	850m	0.0	5.0	8.5	2.0δ	16m	50	5	C		B68	ML61c	
18	93416DC	256	4	SE	BTX	70n	650m	0.0	5.0	8.0	2.0	16m	45	0	7	Field Prog	B80	ML98a	
19	93426DC	256	4	SE	BTX	70n	650m	0.0	5.0	8.0	2.0δ	16m	45	0	7	Field Prog	B123	ML98a	
20#	BC82S126F	256	4	SE	BTX	70n	625m	0.0	5.0	8.0	2.0Δ	16m	50	5	C	PROM	B198	ML127r	
21#	BC82S129F	256	4	SE	BTX	70n	625m	0.0	5.0	8.0	2.0δ	16m	50	5	C	PROM	B198	ML127r	
22	IM5603MDE	256	4	SE	BTX	70n∅	500m	0.0	5.0	8.5	2.0	20m	40	5	C		PN16bz	ML1	
23	IM5603MPE	256	4	SE	BTX	70n∅	500m	0.0	5.0	8.5	2.0	20m	40	5	C		PN16bz	ML89	
24	93416DM	256	4	SE	BTX	80n	650m	0.0	5.0	8.0	2.0	16m	45	5	C	Field Prog	B123	ML98a	
25	93426DM	256	4	SE	BTX	80n	650m	0.0	5.0	8.0	2.0δ	16m	45	5	C	Field Prog	B123	ML98a	
26	DM7573J	256	4	SE	BTX	80n∅	550m	0.0	5.0	8.0	2.0	16m	40	5	C	PROM	B80	ML127f	
27	DM8573J	256	4	SE	BTX	80n∅	550m	0.0	5.0	8.0	2.0	16m	40	5	C	PROM	B80	ML127f	
28	DM8573N	256	4	SE	BTX	80n∅	550m	0.0	5.0	8.0	2.0	16m	40	0	7	PROM	B80	ML178	
29	IM5603CDE	256	4	SE	BTX	80n∅	500m	0.0	5.0	8.5	2.0	16m	45	0	7		B82	ML1	
30	DM8574N	256	4	SE	BTX	85n∅	550m	0.0	5.0	8.0	2.0δ	16m	40	0	7	Field Program	B80	ML178	
31	HM9-6611A9	256	4	SE	MCG	250n∅	2.5m∅	0.0	10	1.8	7.7	2.0m	1.0	4	8	Fld Prog Prom	B375	FL54	
32	HM1-6610-2	256	4	SE	MCG	300n	500u∅	0.0	5.0	8.0	3.0Δ	2.0m	40	5	C	Fld Prog-Prom	B207	ML∅	
33	HM1-6610-9	256	4	SE	MCG	300n	500u∅	0.0	5.0	8.0	3.0Δ	2.0m	40	4	8	Fld Prog-Prom	B207	ML∅	
34	HM1-6610B2	256	4	SE	MCG	300n	50u∅	0.0	5.0	8.0	3.0Δ	2.0m	40	5	C	Fld Prog-Prom	B207	ML∅	
35	HM1-6610B9	256	4	SE	MCG	300n	50u∅	0.0	5.0	8.0	3.0Δ	2.0m	40	4	8	Fld Prog-Prom	B207	ML∅	
36	HM1-6611B2	256	4	SE	MCG	300n	50u∅	0.0	5.0	8.0	3.0δ	2.0m	40	5	C	Fld Prog-Prom	B207	ML∅	
37	HM1-6611B9	256	4	SE	MCG	300n	50u∅	0.0	5.0	8.0	3.0δ	2.0m	40	4	8	Fld Prog-Prom	B207	ML∅	
38	HM1-6612-2	256	4	SE	MCG	300n	500u∅	0.0	5.0	8.0	3.0δ	2.0m	40	5	C	Fld Prog-Prom	B207	ML∅	
39	HM1-6612-9	256	4	SE	MCG	300n	500u∅	0.0	5.0	8.0	3.0δ	2.0m	40	4	8	Fld Prog-Prom	B207	ML∅	
40	HM1-6612B2	256	4	SE	MCG	300n	50u∅	0.0	5.0	8.0	3.0δ	2.0m	40	5	C	Fld Prog-Prom	B207	ML∅	
41	HM1-6612B9	256	4	SE	MCG	300n	50u∅	0.0	5.0	8.0	3.0δ	2.0m	40	4	8	Fld Prog-Prom	B207	ML∅	
42	HM9-6610-2	256	4	SE	MCG	300n	500u∅	0.0	5.0	8.0	3.0Δ	2.0m	40	5	C	Fld Prog-Prom	B207	FL∅	
43	HM9-6610-9	256	4	SE	MCG	300n	500u∅	0.0	5.0	8.0	3.0Δ	2.0m	40	4	8	Fld Prog-Prom	B207	FL∅	
44	HM9-6610B2	256	4	SE	MCG	300n	50u∅	0.0	5.0	8.0	3.0Δ	2.0m	40	5	C	Fld Prog-Prom	B207	FL∅	
45	HM9-6610B9	256	4	SE	MCG	300n	50u∅	0.0	5.0	8.0	3.0Δ	2.0m	40	4	8	Fld Prog-Prom	B207	FL∅	
46	HM9-6611-9	256	4	SE	MCG	300n	500u∅	0.0	5.0	8.0	3.0δ	2.0m	40	4	8	Fld Prog-Prom	B207	FL∅	
47	HM9-6611B2	256	4	SE	MCG	300n	50u∅	0.0	5.0	8.0	3.0δ	2.0m	40	5	C	Fld Prog-Prom	B207	FL∅	
48	HM9-6611B9	256	4	SE	MCG	300n	50u∅	0.0	5.0	8.0	3.0δ	2.0m	40	4	8	Fld Prog-Prom	B207	FL∅	
49	HM9-6612-2	256	4	SE	MCG	300n	500u∅	0.0	5.0	8.0	3.0δ	2.0m	40	5	C	Fld Prog-Prom	B207	FL∅	
50	HM9-6612-9	256	4	SE	MCG	300n	500u∅	0.0	5.0	8.0	3.0δ	2.0m	40	4	8	Fld Prog-Prom	B207	FL∅	
51	HM9-6612B2	256	4	SE	MCG	300n	50u∅	0.0	5.0	8.0	3.0δ	2.0m	40	5	C	Fld Prog-Prom	B207	FL∅	
52	HM9-6612B9	256	4	SE	MCG	300n	50u∅	0.0	5.0	8.0	3.0δ	2.0m	40	4	8	Fld Prog-Prom	B207	FL∅	
53	HM1-6610D5	256	4	SE	MCG	550n	4.0m∅	0.0	5.0	8.0	3.0Δ	2.0m	40	0	7	Fld Prog-Prom	B207	ML∅	
54	HM1-6612D5	256	4	SE	MCG	550n	4.0m∅	0.0	5.0	8.0	3.0δ	2.0m	40	0	7	Fld Prog-Prom	B207	ML∅	
55	NC7050	256	4	SE	MXN	1.0u	900m	15	15	1.0	14s	1.6m	40	0	7	Non-Vol EAROM	B241	ML184a	
56#	MD6210	256	5	SC	BTX	50n∅	625m	0.0	5.5	8.5	2.0	15m	45	0	7		B52	ML10a	
57#	MD5210	256	5	SC	BTX	60n∅	625m	0.0	5.5	8.0	2.0	10m	40	0	7		B52	ML10a	
58	5210D	256	5	SC	BTX	60n	625m	0.0	5.0	8.0	2.0	10m	45	5	C		PN16bu	ML158	
59	5210J	256	5	SC	BTX	60n	625m	0.0	5.0	8.0	2.0	10m	45	5	C		PN16bu	ML157	
60	5210N	256	5	SC	BTX	60n	625m	0.0	5.0	8.0	2.0	10m	45	5	C		PN16bu	ML157	
61	6210D	256	5	SC	BTX	75n	625m	0.0	5.0	8.0	2.0	16m	45	0	7		PN16bu	ML158	
62	6210J	256	5	SC	BTX	75n	625m	0.0	5.0	8.0	2.0	16m	45	0	7		PN16bu	ML157	
63	6210N	256	5	SC	BTX	75n	625m	0.0	5.0	8.0	2.0	16m	45	0	7		PN16bu	ML157	
64	TMS2900JC#1	256s	5	SC	MXX	400n	400m	12	5.0	1.0	3.5s	3.2m	80	2	8		B66a	ML47d	
65	TMS2900NC#1	256s	5	SC	MXX	400n	400m	12	5.0	1.0	3.5s	3.2m	80	2	8		B66a	ML72	
66	6246	256	8	DE	BXD	60n	850m	0.0	5.0	8.0	2.0	10m	50	0	7		B127	ML47c	
67	5246	256	8	DE	BXD	75n	850m	0.0	5.0	8.0	2.0	8.0m	50	5	C		B127	ML47c	
68	1301#2	256	8	DC	MPG	650n	700m	0.0	9.0	5.0	8.0	3.0	1.6m	45	0	7		B18a	ML34
69#	MF1301#2	256	8	DC	MPG	650n	1.0	∅	9.0	5.0	8.0	3.0	1.6m	45	0	7		B18a	ML34
70	MCS1007	256	8	DE	MPX	20uΔ	180m	12	5.0	8.0	3.5	1.6m	40	2	8	KE 64 key	B113	ML14b	
71#	M210M1AA	256	8	DC	MXX	450m	450m	0.0	-2.0	-1.0	3.0	1.6m	45	0	7		B18	ML34b	
72	1601#2	256s	8	DE	MPG	650n	700m∅	9.0	5.0	8.0	3.0	1.6m	45	0	7		B18	ML34	
73	1701#2	256	8	DE	MPG	650n	700m∅	9.0	5.0	8.0	3.0	1.6m	45	0	7		B18	ML34b	
74#	MF1601#1	256	8	DE	MPG	650n	1.0	∅	9.0	5.0	8.0	3.0	1.6m	45	0	7		B18	ML34
75#	MF1701#1	256	8	DE	MPG	650n	1.0	∅	9.0	5.0	8.0	3.0	1.6m	45	0	7		B18	ML34b
76	C1602	256	8	DE	MPG	1.0u	500m	20	5.0	2.0	4.2	1.6m	45	0	8		MO∅	ML44	
77	C1702	256	8	DE	MPG	1.0u	500m	20	5.0	2.0	4.2	1.6m	45	0	8		MO∅	ML44	
78	S8502	256	8	SC	BTX	1.0u	510m	12	5.0	4.0	4.0	1.6m							

3. READ ONLY MEMORIES (ROMS)

IN ORDER OF (1)No.WDS(2)No.BITS/WD(3)OP.MODE PRG.CODE(4)STRUCT.(5)MAX ACC.TIME(6)TYPE No.

LINE No.	TYPE No.	ORGANIZATION		3 OP 4 MODE	5 STRUCTURE CODE	MAX ACCESS TIME (s)	MAX OPER. POWER DISS. (W)	RATED POWER SUP.		INPUT LOGIC LEVELS		MIN OUTPUT SINK CURRENT		OPER. TEMP. RANGE CODE	GENERAL DESCRIPTION	LOGIC/BLOCK	OUTLINE	
		1 No. WORDS	2 BITS PER WORD					NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)	(A)	@ OUT (V)					
1	MK3602P-1	256	8	SC	MPG	550n	2.0	9.0	5.0	.65	3.0s	1.0uΔ	0.0	0	7	Non-Erasable	B208	ML191
2	MK3702T-1	256	8	SC	MPG	550n	2.0	9.0	5.0	.65	3.0s	1.0uΔ	0.0	0	7	Erasable Prom	B208	ML224
3	MK3602P-2	256	8	SC	MPG	750n	2.0	9.0	5.0	.65	3.0s	1.0uΔ	0.0	0	7	Non-Erasable	B208	ML191
4	MK3702T-2	256	8	SC	MPG	750n	2.0	9.0	5.0	.65	3.0s	1.0uΔ	0.0	0	7	Erasable Prom	B208	ML224
5 #	MF1301#1	256s	8	SE	MPG	900n	1.0	9.0	5.0	.80	3.0	1.6m	.45	0	7		B18a	ML34
6 #	1301#1	256s	8	SE	MPG	1.0u	100m	9.0	5.0	.80	3.0	1.6m	.45	0	7		B18a	ML34
7	C1302	256	8	SC	MPG	1.0u	2.0	9.0	5.0	1.0	3.0s	1.6m	.45	0	7		B18a	ML34c
8	MK3602P-3	256	8	SC	MPG	1.0u	2.0	9.0	5.0	.65	3.0s	1.0uΔ	0.0	0	7	Non-Erasable	B208	ML191
9	MK3702T-3	256	8	SC	MPG	1.0u	2.0	9.0	5.0	.65	3.0s	1.0uΔ	0.0	0	7	Erasable Prom	B208	ML224
10	P1302	256	8	SC	MPG	1.0u	2.0	9.0	5.0	.65	3.0s	1.6m	.45	0	7		B18a	ML118f
11	MCS2012	256	8	SC	MPN	800n	450m	12	5.0	.80	3.5	1.6m	.45	0	7		PN24y	ML118f
12	TMS4600JC	256	8	SC	MPX	55n		20	0.0	-1.0				2	8		B41	ML49
13	MM4230D#1	256s	8s	SC	MPX	725n	480m	12	12	10*	4.0#			5	7		B26	ML128
14	MM4230J#1	256s	8s	SC	MPX	725n	480m	12	12	10*	4.0#			5	7		B26	ML133a
15	MM5230D#1	256s	8s	SC	MPX	725n	480m	12	12	10*	4.0#			5	7		B26	ML128
16	MM52030J	256s	8s	SC	MPX	725n	480m	12	12	10*	4.0#	1.6m	.40	2	7	EPROM	B26	ML133a
17	IM7603CDG	256	8	SC	MPX	750n	380m	0.0	12	10*	4.0#	3.0m	3.0	0	7		B3	ML133a
18	MM5213	256	8	SC	MPX	750n	650m		5.0	12				5	7		B3	ML27
19	MCM1110LA#1	256	8	SC	MPX	800n	600m	24	0.0	0.01	-12f	10uΔ	-12	2	8		B75	ML95
20	MCM1110LC	256	8	SC	MPX	800n	600m	24	0.0	0.01	-12f	10uΔ	-12	2	8		B75	ML95
21	MM4213D#1	256s	8s	SC	MPX	850n	175m	12	5.0	1.0*	3.0s#			5	7		B26	ML128
22	MM4213J#1	256s	8s	SC	MPX	850n	175m	12	5.0	1.0*	3.0s#			5	7		B26	ML133a
23	MM4213N#1	256s	8s	SC	MPX	850n	175m	12	5.0	1.0*	3.0s#			5	7		B26	ML118
24	MM5213D#1	256s	8s	SC	MPX	850n	175m	12	5.0	1.0*	3.0s#			5	7		B26	ML128
25	MM5213J#1	256s	8s	SC	MPX	850n	175m	12	5.0	1.0*	3.0s#			5	7		B26	ML133a
26	MM5213N#1	256s	8s	SC	MPX	850n	175m	12	5.0	1.0*	3.0s#			5	7		B26	ML118
27	MM4231D#1	256s	8s	SC	MPX	950n	510m	12	5.0	3.0*	.80#			5	7		B26	ML128
28	MM4231J#1	256s	8s	SC	MPX	950n	510m	12	5.0	3.0*	.80#			5	7		B26	ML133a
29	MM5231D#1	256s	8s	SC	MPX	950n	510m	12	5.0	3.0*	.80#			5	7		B26	ML128
30	MM5231J#1	256s	8s	SC	MPX	950n	510m	12	5.0	3.0*	.80#			5	7		B26	ML133a
31	MM5231N#1	256s	8s	SC	MPX	950n	510m	12	5.0	3.0*	.80#			5	7		B26	ML183
32	IM7603MDG	256	8	SC	MPX	1.0u	380m	0.0	12	10*	4.0#	3.0m	3.0	0	7		B3	ML27
33	MM423#1	256s	8	SC	MPX	1.0u	420m	12	12	9.5*#	5.0#			5	7		B26	ML30b
34	MM523#1	256s	8	SC	MPX	1.0u	420m	12	12	9.5*#	5.0#			5	7		B26	ML30b
35	MM4224D#1	256s	8	SC	MPX	1.0u	480m	15	5.0	.80	2.4s	1.6m	.40	5	7		B9a	ML130
36	MM4225D#1	256s	8	SC	MPX	1.0u	480m	15	5.0	.80	2.4s	1.6m	.40	5	7		B9a	ML130
37	MM5224D#1	256s	8	SC	MPX	1.0u	480m	15	5.0	.80	2.4s	1.6m	.40	5	7		B9a	ML130
38	MM5225D#1	256s	8	SC	MPX	1.0u	480m	15	5.0	.80	2.4s	1.6m	.40	5	7		B9a	ML130
39 #	HN3200P	256	8	SC	MPX	7.0u	70m	14	0.0	-2.0	5.4			2	7		B79	ML88a
40	MC1182L	256	8	SC	MPX	20u\$	550m	15	0.0	-8.0	-2.0			0	7	Rhythm Pattern	B102	ML95a
41	TMS2600JC#1	256	8	SC	MPX	900n	170m	12	12	-3.0	-8.0			2	8		PN24w	ML47b
42	TMS2600NC#2	256s	8	SC	MPX	1.0u	180m	12	12	-3.0	-8.0			2	8		PN24w	ML72
43	MC1702A	256	8	SE	BTD	850n		9.0	5.0	45%	3.5s	1.6m	.45	5	7	Erasable PROM	PN24ak	ML258
44	DM54S470N	256	8	SE	BTD	35nt	750m	0.0	5.0	.80	2.0s	16m	.50	5	7	PROM	B134	ML253
45	DM54S471N	256	8	SE	BTD	35nt	750m	0.0	5.0	.80	2.0s	16m	.50	5	7	PROM	B134	ML253
46	DM72S114D	256	8	SE	BTD	35nt	990m	0.0	5.0	.80	2.0s	12m	.50	5	7	PROM	B244	ML184a
47	DM74S470N	256	8	SE	BTD	35nt	750m	0.0	5.0	.80	2.0s	16m	.50	0	7	PROM	B134	ML253
48	DM74S471N	256	8	SE	BTD	35nt	750m	0.0	5.0	.80	2.0s	16m	.50	0	7	PROM	B134	ML253
49	DM75S222N	256	8	SE	BTD	35nt	825m	0.0	5.0	.80	2.0s	12m	.50	5	7	PROM	B243	ML253
50	DM82S114D	256	8	SE	BTD	35nt	990m	0.0	5.0	.80	2.0s	12m	.45	0	7	PROM	B244	ML184a
51	DM82S114N	256	8	SE	BTD	35nt	990m	0.0	5.0	.80	2.0s	12m	.45	0	7	PROM	B244	ML183
52	DM85S222N	256	8	SE	BTD	35nt	825m	0.0	5.0	.80	2.0s	12m	.45	0	7	PROM	B243	ML253
53	29602DC	256	8	SE	BTD	60n	850m	0.0	5.0	.80	2.0s	16m	.50	0	7	PROM:Pwr Sw	B310a	ML2
54	29603DC	256	8	SE	BTD	60n	850m	0.0	5.0	.80	2.0s	16m	.50	0	7	PROM:Pwr Sw	B310a	ML2
55	DM74S470J	256	8	SE	BTD	60n	750m	0.0	5.0	.80	2.0s	16m	.45	0	7	PROM	B365	ML2
56	DM74S471J	256	8	SE	BTD	60n	750m	0.0	5.0	.80	2.0s	16m	.45	0	7	PROM	B365	ML2
57	DM87S221J	256	8	SE	BTD	60n	750m	0.0	5.0	.80	2.0s	16m	.45	0	7	PROM W/Latch	B369	ML2
58	DM87S221N	256	8	SE	BTD	60n	750m	0.0	5.0	.80	2.0s	16m	.45	0	7	PROM W/Latch	B369	ML253
59	DM87S222J	256	8	SE	BTD	60n	750m	0.0	5.0	.80	2.0s	16m	.45	0	7	PROM W/Latch	B369	ML2
60	DM87S222N	256	8	SE	BTD	60n	750m	0.0	5.0	.80	2.0s	16m	.45	0	7	PROM W/Latch	B369	ML253
61	HM1-7625R5	256	8	SE	BTD	60n	925m	0.0	5.0	.85	2.0s	16m	.50	0	7	PROM,Latched	B388a	ML310
62	HM3-7625R5	256	8	SE	BTD	60n	925m	0.0	5.0	.85	2.0s	16m	.50	0	7	PROM,Latched	B388a	ML311
63	HM9-7625R5	256	8	SE	BTD	60n	925m	0.0	5.0	.85	2.0s	16m	.50	0	7	PROM,Latched	B388a	FL55
64	HM1-7629-5	256	8	SE	BTD	70n	850m	0.0	5.0	.80	2.0s	16m	.45	0	7	PROM	B159a	ML310
65	HM3-7629-5	256	8	SE	BTD	70n	850m	0.0	5.0	.80	2.0s	16m	.45	0	7	PROM	B159a	ML311
66	HM9-7629-5	256	8	SE	BTD	70n	850m	0.0	5.0	.80	2.0s	16m	.45	0	7	PROM	B159a	FL55
67	29600DC	256	8	SE	BTD	75n	650m	0.0	5.0	.80	2.0s	16m	.50	0	7	PROM	B310	ML2
68	29601DC	256	8	SE	BTD	75n	650m	0.0	5.0	.80	2.0s	16m	.50	0	7	PROM	B310	ML2
69	29602DM	256	8	SE	BTD	75n	850m	0.0	5.0	.80	2.0s	16m	.50	5	7	PROM:Pwr Sw	B310a	ML2
70	29603DM	256	8	SE	BTD	75n	850m	0.0	5.0	.80	2.0s	16m	.50	5	7	PROM:Pwr Sw	B310a	ML2
71	DM54S470J	256	8	SE	BTD	75n	750m	0.0	5.0	.80	2.0s	16m	.45	5	7	PROM	B365	ML2
72	DM54S471J	256	8	SE	BTD	75n	750m	0.0	5.0	.80	2.0s	16m	.45	5	7	PROM	B365	ML2
73	DM77S221J	256	8	SE	BTD	75n	750m	0.0	5.0	.80	2.0s	16m	.45	5	7	PROM W/Latch	B369	ML2
74	DM77S222J	256	8	SE	BTD	75n	750m	0.0	5.0	.80	2.0s	16m	.45	5	7	PROM W/Latch	B369	ML2
75	HM1-7625R2	256	8	SE	BTD	80n	925m	0.0	5.0	.85	2.0s	16m	.50	5	7	PROM,Latched	B388a	ML310
76	HM3-7625R2	256	8	SE	BTD	80n	925m	0.0	5.0	.85	2.0s	16m	.50	5	7	PROM,Latched	B388a	ML311
77	HM9-7625R2	256	8	SE	BTD	80n	925m	0.0	5.0	.85	2.0s	16m	.50	5	7	PROM,Latched	B388a	FL55
78	29600DM	256	8	SE	BTD	90n	650m	0.0	5.0	.80	2.0s	16m	.50	5	7	PROM	B310	ML2
79	29601DM	256	8	SE	BTD	90n	650m	0.0	5.0	.80	2.0s	16m	.50	5	7	PROM	B310	ML2
80	5335D	256	8	SE	BTX	90n	400m	0.0	5.0	.80	2.0	8.0m	.50	5	7		B130a	ML47c
81	6335-1D	256	8	SE	BTX													

3. READ ONLY MEMORIES (ROMS)

IN ORDER OF (1)NO.WDS(2)NO.BITS/WD(3)OP.MODE
PRG.CODE(4)STRUCT.(5)MAX ACC.TIME(6)TYPE No.

MEMORY

LINE No.	TYPE No.	ORGANIZATION		3 OP 4 MODE	5 STRUCTURE CODE	MAX ACCESS TIME (s)	MAX OPER. POWER DISS. (W)	RATED POWER SUP. SPAN		INPUT LOGIC LEVELS		MIN OUTPUT SINK CURRENT		OPER. TEMP. RANGE CODE	GENERAL DESCRIPTION	DRAWINGS	
		1 No. WORDS	2 BITS PER WORD					NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)	@	OUT (V)			LOGIC/BLOCK	OUTLINE
1	MM4203Q#1	256	8	SE	MFG	1.0u	275m	12	5.0	1.0	3.0	1.6m	.40	5 8	Non-Vol EPROM	B95	ML117
2	MM5202AD	256	8	SE	MFG	1.0u	175m	9.0	5.0	1.0	3.0	1.6m	.40	0 7		B177	ML184
3	MM5202AQ	256	8	SE	MFG	1.0u	175m	9.0	5.0	1.0	3.0	1.6m	.40	0 7		B177	ML117
4	MM5203D#1	256	8	SE	MFG	1.0u	275m	12	5.0	1.0	3.0	1.6m	.40	0 7	Non-Vol PROM	B95	ML184
5	MM5203Q#1	256	8	SE	MFG	1.0u	275m	12	5.0	1.0	3.0	1.6m	.40	0 7	Non-Vol EPROM	B95	ML117
6	C1602A6	256	8	SE	MFG	1.5u	2.0	9.0	5.0	65	3.0	1.6m	.45	0 7		B18	ML34c
7#	M58563S1#1	256	8	SE	MFG	1.5u	500m	9.0	5.0	65	3.0	1.6m	.45	0 7		B18	ML34
8#	MSM2750-1A	256	8	SE	MPX	1.0u	2.0	9.0	5.0	-4.2	-2.0	1.6m	.45	0 7	EPROM	B18b	ML3
9#	MSM2750-2A	256	8	SE	MPX	1.2u	2.0	9.0	5.0	-4.2	-2.0	1.6m	.45	0 7	EPROM	B18b	ML3
10	MM1742J	256	8	SE	MXX	1.0u	660m	12	5.0	45	3.5	1.6m	.45	0 7	PROM	B276	ML183a
11	MM4243J#1	256	8	SE	MXX	1.0u	660m	12	5.0	1.0	3.0	1.6m	.40	5 8	PROM	B279	ML183a
12	MM5243J#1	256	8	SE	MXX	1.0u	660m	12	5.0	1.0	3.0	1.6m	.40	0 7	PROM	B279	ML183a
13	RO7-2048S#1	256	8	SS	MPN	1.5u	300m	12	5.0	.80	-1.5	1.6m	.40	0 7		PN18x	
14#	FDR106Z1	256	9	DC	MPX	1.0u	90m	14	0.0	-9.0	2.0			5 8	fc10kHz	B122	ML118c
15#	FDR106Z	256	9	DC	MPX	1.0u	90m	14	0.0	-9.0	2.0			5 8	fc10kHz	B122	ML118c
16#	FDR106Z#1	256	9	DC	MPX	1.0u	62m	13	0.0	-10	-1.0			5 8	fc 10kHz	B28	ML41
17	MCS2007	256	9	SC	MPN	800n	450m	12	5.0	.80	3.5			2 8		PN24y	ML41
18#	MN5020	256	10	SC	MXX		250m	17	0.0	-2.0	-1.0			3 7		B98	ML41
19	CRC3501-1-2XXX#1	256	10	DC	MPC	800n	400m	0.0	5.0	.50	4.3			2 8		B6	ML13a
20	CRC3501-2-2XXX#1	256	10	DC	MPC	800n	400m	0.0	5.0	.50	4.3			2 8		B6	ML13a
21	TMS2300JC	256	10	DC	MPC	800n	400m	0.0	5.0	.50	4.3			2 8		B6b	FL4
22	TMS2300NC	256	10	DC	MPT	550n	225m	12	5.0	.60	3.5			2 8		B63	ML47d
23	EA3100	256	10	DC	MPT	550n	225m	12	5.0	.60	3.5			2 8		B63	ML72
24	S8501	256	10	SC	MPX	1.0u	94m	13	0.0	-2.0	-9.0			5 8	fc 10kHz	B35	ML41
25	S8614#1	256	10	SC	MPX	1.0u	510m	12	5.0	.40	4.0			0 7		B31	ML45
26	S8773#1	256	10	SC	MPI	550n	595m	12	5.0	.60	3.7			0 7		C48	ML23b
27	MK2400P24	256	10	SC	MPI	600n	425m	12	5.0	.80	3.5	1.6m	.40	0 7		B7	ML21
28	MK2400P28	256	10	SC	MPI	600n	425m	12	5.0	.80	3.5	1.6	.40	0 7	C.S.Decoder	B7	ML29
29	MK2400P28#1	256	10	SC	MPI	600n	425m	12	5.0	.80	-1.5	1.6m	.40	0 7		B7	ML21
30	MK2400P28#2	256	10	SC	MPI	600n	425m	12	5.0	.80	-1.5	1.6m	.40	0 7		B7	ML29
31	MCS2002	256	10	SC	MPN	800n	450m	12	5.0	.80	3.5			2 8		PN24y	ML29
32	MCM1150LA#1	256	10	SC	MPX	800n	600m	24	0.0	.30	-16	10u	-12	2 8		B77	ML94
33	MCM1150LC	256	10	SC	MPX	800n	600m	24	0.0	.30	-16	10u	-12	2 8		B77	ML94
34	IM7604MDG	256	10	SC	MPX	1.0u	430m	0.0	12	10*	4.0#	4.0	3.0	5 C		B3a	ML27
35	IM7605MDG	256	10	SC	MPX	1.0u	430m	0.0	12	10*	4.0#	4.0	3.0	5 C		B3b	ML27
36	TMS2500JC#2	256	10	SC	MXX	400n	400m	12	5.0	1.0	3.5	3.2m	.80	2 8		B64	ML47d
37	TMS2500NC#2	256	10	SC	MXX	400n	400m	12	5.0	1.0	3.5	3.2m	.80	2 8		B64	ML72
38	TMS2700JC	256	12	SC	MPX	900n	650m	15	5.0	.50	2.6			2 8		B65	ML49a
39	TMS2700NC	256	12	SC	MPX	900n	650m	15	5.0	.50	2.6			2 8		B65	ML83
40	MM4227D	256	12	SC	MPX	1.0u	480m	15	5.0	.80	2.4	1.6m	.40	5 C		PN28f	ML129
41	MM4228D	256	12	SC	MPX	1.0u	480m	15	5.0	.80	2.4	1.6m	.40	5 C		PN28f	ML129
42	MM5227D	256	12	SC	MPX	1.0u	480m	15	5.0	.80	2.4	1.6m	.40	2 7		PN28f	ML129
43	MM5228D	256	12	SC	MPX	1.0u	480m	15	5.0	.80	2.4	1.6m	.40	2 7		PN28f	ML129
44	TMS2700JM	256	12	SC	MPX	1.1u	650m	15	5.0	.50	2.6			5 C		B65	ML49a
45	MM4229D	256	12	SC	MPX	1.4u	306m	12	5.0	.80	2.4	2.0u	-5.0	5 C		B9b	ML29a
46	MM5229D	256	12	SC	MPX	1.4u	306m	12	5.0	.80	2.4	2.0u	-5.0	2 7		B9b	ML29a
47	MM5229N	256	12	SC	MPX	1.4u	306m	12	5.0	.80	2.4	2.0u	-5.0	2 7		B9b	ML199
48	MRM3A256-20	256	20	SC	MXX	330n	9.5	12	12	.40	2.5	1.6m	.40	0 7		B54	PL4
49	MRM2B256-40	256	40	SC	MXX	330n	9.5	12	12	.40	2.5	1.6m	.40	0 7		B54	PL4
50	MRM1C256-80	256	80	SC	MXX	330n	9.5	12	12	.40	2.5	1.6m	.40	0 7		B54	PL4
51	MCS2020#2	320	7	DC	MPX	160n	200m	5.0	5.0	.80	3.5	1.6m	.40	0 7	7x10x32	C34	ML3b
52	S8499#1	320	7	SC	MPA	2.0u	450m	13	13	4.0	11			0 7		B92	ML13b
53	MCS2003	320	8	SC	MPN	800n	650m	12	5.0	.80	3.5			2 8		PN24y	ML3
54	MCS1009	360	10	SC	MPX	20u	180m	12	5.0	.80	3.5	1.6m	.40	2 8	KE90key	B115	ML14b
55	TMS5000JC	360	10	DS	MPN		550m	12	5.0	.80	3.5	1.6m	.50	2 8	KE90Key;f100Hz	B104	ML14
56	TMS5000NC	360	10	DS	MPN		550m	12	5.0	.80	3.5	1.6m	.50	2 8	KE90Key;f100Hz	B104	ML80
57	MCS2015	384	6	SS	MPN	800n	450m	12	5.0	.80	3.5			2 8		PN24y	ML29
58	MCS2018#2	384	10	DC	MPX	160n	200m	5.0	5.0	.80	3.5	1.6m	.40	2 8	10x12x32	C33	ML3
59	UA2525F#3	512	2	SE	MXX	900n	360m	10	0.0	.80	2.7	1.6m	.40	5 C		B9	FL3a
60	NC7010#1	512	2	SE	MXX	25u	150m	30	0.0	-12	-2.0	0.5m	-1.0	0 7	Non-Vol EAROM	B202	ML7
61	C3302	512	4	SC	BTD	70n	650m	0.0	5.0			15m		0 7		PN16bx	ML10c
62	C3322	512	4	SC	BTD	70n	650m	0.0	5.0			15m		0 7		PN16bx	ML10c
63	D3302	512	4	SC	BTD	70n	650m	0.0	5.0			15m		0 7		PN16bx	ML127a
64	D3322	512	4	SC	BTD	70n	650m	0.0	5.0			15m		0 7		PN16bx	ML127a
65	C3302-4	512	4	SC	BTD	90n	650m	0.0	5.0			15m		0 7		PN16bx	ML10c
66	C3302-6	512	4	SC	BTD	90n	650m	0.0	5.0			15m		0 7		PN16bx	ML10c
67	C3322-4	512	4	SC	BTD	90n	650m	0.0	5.0			15m		0 7		PN16bx	ML10c
68	C3322-6	512	4	SC	BTD	90n	650m	0.0	5.0			15m		0 7		PN16bx	ML10c
69	D3302-4	512	4	SC	BTD	90n	650m	0.0	5.0			15m		0 7		PN16bx	ML127a
70	D3302-6	512	4	SC	BTD	90n	650m	0.0	5.0			15m		0 7		PN16bx	ML127a
71	D3322-4	512	4	SC	BTD	90n	650m	0.0	5.0			15m		0 7		PN16bx	ML127a
72	D3322-6	512	4	SC	BTD	90n	650m	0.0	5.0			15m		0 7		PN16bx	ML127a
73	P3302-6	512	4	SC	BTD	90n	650m	0.0	5.0			15m		0 7		PN16bx	ML4j
74	P3322-6	512	4	SC	BTD	90n	650m	0.0	5.0			15m		0 7		PN16bx	

3. READ ONLY MEMORIES (ROMS)

IN ORDER OF (1)NO.WDS(2)NO.BITS/WD(3)OP.MODE
PRG.CODE(4)STRUCT.(5)MAX ACC.TIME(6)TYPE No.

LINE No.	6 TYPE No.	ORGANIZATION				5 MAX ACCESS TIME (s)	MAX OPER. POWER DISS. (W)	RATED POWER SUP.		INPUT LOGIC LEVELS		MIN OUTPUT SINK CURRENT		OPER. TEMP. RANGE CODE	GENERAL DESCRIPTION	DRAWINGS	
		1 No. WORDS	2 BITS PER WORD	3 MODE	4 OP CODE			NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)	(A)	@ OUT (V)			LOGIC/BLOCK	OUTLINE
1	CRC3002-1-3XXX#2	512	4	SC	MPC	1.5u	270m	12	12	.40	2.5			Avail.Std.Pr	B5	ML13a	
2	CRC3002-2-3#1	512	4	SC	MPC	1.5u	270m	12	12	.40	2.5			Avail.Std.Pr	B5	FL10	
3	CRC3002-2-3XXX#2	512	4	SC	MPC	1.5u	270m	12	12	.40	2.5			Avail.Std.Pr	B5	FL10	
4	MCS2011	512	4	SC	MPN	800n	450m	12	5.0	.80	3.5				PN24z	ML128	
5	TMS4700JC	512	4	SC	MPX	55n	480m	20	0.0	-1.0	-10				PN28c	ML49	
6	MM4230D#2	512	4	SC	MPX	725n	480m	12	12	10*	4.0#				B26	ML128	
7	MM4230J#2	512	4	SC	MPX	725n	480m	12	12	10*	4.0#				B26	ML133a	
8	MM5230D#2	512	4	SC	MPX	725n	480m	12	12	10*	4.0#				B26	ML128	
9	MM5230J#2	512	4	SC	MPX	725n	480m	12	12	10*	4.0#				B26	ML133a	
10	MM5230N#2	512	4	SC	MPX	725n	480m	12	12	10*	4.0#				B26	ML183	
11	MCM1110LA#2	512	4	SC	MPX	800n	600m	24	0.0	0.0†	-12†				B75	ML95	
12	MCM1110LB	512	4	SC	MPX	800n	600m	24	0.0	0.0†	-12†	10uΔ	-12		B75a	ML95	
13	MM4213D#2	512	4	SC	MPX	850n	175m	12	5.0	1.0*	3.0#				B26	ML128	
14	MM4213J#2	512	4	SC	MPX	850n	175m	12	5.0	1.0*	3.0#				B26	ML133a	
15	MM4213N#2	512	4	SC	MPX	850n	175m	12	5.0	1.0*	3.0#				B26	ML118	
16	MM5213D#2	512	4	SC	MPX	850n	175m	12	5.0	1.0*	3.0#				B26	ML128	
17	MM5213J#2	512	4	SC	MPX	850n	175m	12	5.0	1.0*	3.0#				B26	ML133a	
18	MM5213N#2	512	4	SC	MPX	850n	175m	12	5.0	1.0*	3.0#				B26	ML118	
19	MM4231D#2	512	4	SC	MPX	950n	510m	12	5.0	3.0*	.80#				B26	ML128	
20	MM4231J#2	512	4	SC	MPX	950n	510m	12	5.0	3.0*	.80#				B26	ML133a	
21	MM5231D#2	512	4	SC	MPX	950n	510m	12	5.0	3.0*	.80#				B26	ML128	
22	MM5231J#2	512	4	SC	MPX	950n	510m	12	5.0	3.0*	.80#				B26	ML133a	
23	MM5231N#2	512	4	SC	MPX	950n	510m	12	5.0	3.0*	.80#				B26	ML183	
24	MM423#2	512	4	SC	MPX	1.0u	420m	12	12	9.5*†	5.0#				B26	ML30b	
25	MM523#2	512	4	SC	MPX	1.0u	420m	12	12	9.5*†	5.0#				B26	ML30b	
26	MM4224D#2	512	4	SC	MPX	1.0u	480m	15	5.0	.80	2.4#	1.6m	.40		B9a	ML130	
27	MM4225D#2	512	4	SC	MPX	1.0u	480m	15	5.0	.80	2.4#	1.6m	.40		B9a	ML130	
28	MM5224D#2	512	4	SC	MPX	1.0u	480m	15	5.0	.80	2.4#	1.6m	.40		B9a	ML130	
29	MM5225D#2	512	4	SC	MPX	1.0u	480m	15	5.0	.80	2.4#	1.6m	.40		B9a	ML130	
30	S8453	512	4	SC	MPX	5.0u	500m†	28	0.0	-9.0	-2.0				B30a	ML44	
31	TMS2600JC#2	512	4	SC	MXX	900n	170m†	12	12	-3.0	-8.0				PN24w	ML47b	
32	TMS2600NC#1	512	4	SC	MXX	1.0u	180m†	12	12	-3.0	-8.0				PN24w	ML72	
33	IMS604CFE	512	4	SE	BDX	70n	275u%	0.0	5.0	.80	2.0	16m	.45		B203	FL14e	
34	IMS604CPE	512	4	SE	BDX	70n	275u%	0.0	5.0	.80	2.0	16m	.45		B203	ML48d	
35	IMS624CFE	512	4	SE	BDX	70n	275u%	0.0	5.0	.80	2.0	16m	.45		B204	FL14e	
36	IMS624CPE	512	4	SE	BDX	70n	275u%	0.0	5.0	.80	2.0	16m	.45		B204	ML48d	
37#	MD6305	512	4	SE	BTX	60n	625m	0.0	5.5	.85	2.0	15m	.45		B51a	ML10a	
38	DM545570D	512	4	SE	BTX	35n†	750m	0.0	5.0	.80	2.0Δ	16m	.50		B133	ML177	
39	DM545571D	512	4	SE	BTX	35n†	750m	0.0	5.0	.80	2.0Δ	16m	.50		B133	ML177	
40	DM745570D	512	4	SE	BTX	35n†	750m	0.0	5.0	.80	2.0Δ	16m	.50		B133	ML177	
41	DM745571D	512	4	SE	BTX	35n†	750m	0.0	5.0	.80	2.0Δ	16m	.50		B133	ML177	
42	HM9-7620A5	512	4	SE	BTX	45n	650m	0.0	5.0	.80	2.0Δ	16m	.45		B311	FL54	
43	HM9-7621A5	512	4	SE	BTX	45n	650m	0.0	5.0	.80	2.0Δ	16m	.45		B311	FL54	
44	29610DC	512	4	SE	BTX	55n	650m	0.0	5.0	.80	2.0Δ	16m	.50		B311	ML128	
45	29611DC	512	4	SE	BTX	55n	650m	0.0	5.0	.80	2.0Δ	16m	.50		B311	ML128	
46	29612DC	512	4	SE	BTX	60n	650m	0.0	5.0	.80	2.0Δ	16m	.50		B311a	ML128	
47	29613DC	512	4	SE	BTX	60n	650m	0.0	5.0	.80	2.0Δ	16m	.50		B311a	ML128	
48	D3602A-2	512	4	SE	BTX	60n	700m†	0.0	5.0	.85	2.0Δ	15m	.45		PN16bx	ML157c	
49	D3622A-2	512	4	SE	BTX	60n	700m†	0.0	5.0	.85	2.0Δ	15m	.45		PN16bx	ML157c	
50	HM3-7620A2	512	4	SE	BTX	60n	650m	0.0	5.0	.80	2.0Δ	16m	.45		B311	ML313	
51	HM3-7621A2	512	4	SE	BTX	60n	650m	0.0	5.0	.80	2.0Δ	16m	.45		B311	ML313	
52	29610DM	512	4	SE	BTX	70n	650m	0.0	5.0	.80	2.0Δ	16m	.50		B311	ML128	
53	29611DM	512	4	SE	BTX	70n	650m	0.0	5.0	.80	2.0Δ	16m	.50		B311	ML128	
54	D3602	512	4	SE	BTX	70n	700m†	0.0	5.0	.85	2.0Δ	15m	.45		PN16bx	ML157c	
55	D3602A	512	4	SE	BTX	70n	700m†	0.0	5.0	.85	2.0Δ	15m	.45		PN16bx	ML157c	
56	D3622	512	4	SE	BTX	70n	700m†	0.0	5.0	.85	2.0Δ	15m	.45		PN16bx	ML157c	
57	D3622A	512	4	SE	BTX	70n	700m†	0.0	5.0	.85	2.0Δ	15m	.45		PN16bx	ML157c	
58	HM9-7620-5	512	4	SE	BTX	70n	650m	0.0	5.0	.80	2.0Δ	16m	.45		B158	FL54	
59	HM9-7621-5	512	4	SE	BTX	70n	650m	0.0	5.0	.80	2.0Δ	16m	.45		B158	FL54	
60	29612DM	512	4	SE	BTX	75n	650m	0.0	5.0	.80	2.0Δ	16m	.50		B311a	ML128	
61	29613DM	512	4	SE	BTX	75n	650m	0.0	5.0	.80	2.0Δ	16m	.50		B311a	ML128	
62	HM3-7620-2	512	4	SE	BTX	85n	650m	0.0	5.0	.80	2.0Δ	16m	.45		B158	ML313	
63	HM3-7621-2	512	4	SE	BTX	85n	650m	0.0	5.0	.80	2.0Δ	16m	.45		B158	ML313	
64	D3602-4	512	4	SE	BTX	90n	700m†	0.0	5.0	.85	2.0Δ	15m	.45		PN16bx	ML127a	
65	D3602-6	512	4	SE	BTX	90n	650m	0.0	5.0	.80	2.0Δ	15m	.45		PN16bx	ML127a	
66	D3602L6	512	4	SE	BTX	90n	550m†	0.0	5.0	.85	2.0Δ	15m	.45		PN16bx	ML157c	
67	D3622-4	512	4	SE	BTX	90n	700m†	0.0	5.0	.85	2.0Δ	15m	.45		PN16bx	ML127a	
68	D3622-6	512	4	SE	BTX	90n	650m	0.0	5.0	.80	2.0Δ	15m	.45		PN16bx	ML127a	
69	M3602	512	4	SE	BTX	90n	700m†	0.0	5.0	.80	2.0	10m	.45		PN16bx	ML127p	
70	M3622	512	4	SE	BTX	90n	700m†	0.0	5.0	.80	2.0Δ	10m	.45		PN16bx	ML127p	
71	M3602-2	512	4	SE	BTX	120n	550m†	0.0	5.0	.80	2.0	10m	.45		PN16bx	ML127p	
72	M3622-6	512	4	SE	BTX	120n	550m†	0.0	5.0	.80	2.0Δ	10m	.45		PN16bx	ML127p	
73	6305-1D	512	4	SE	BTX	60n	650m	0.0	5.0	.80	2.0Δ	16m	.50		B129	ML158	
74	6306-1D	512	4	SE	BTX	60n	650m	0.0	5.0	.80	2.0Δ	16m	.50		B129	ML158	
75	5305D	512	4	SE	BTX	70n	650m	0.0	5.0	.80	2.0	10m	.45		B129	ML158	
76	5305J	512	4	SE	BTX	70n	650m	0.0	5.0	.80	2.0	10m	.45		B129	ML127e	
77	5306D	512	4	SE	BTX	70n	650m	0.0	5.0	.80	2.0Δ	10m	.45		B129	ML158	
78	5306J	512	4	SE	BTX	70n	650m	0.0	5.0	.80	2.0Δ	10m	.45		B129	ML127e	
79	6305D	512	4	SE	BTX	70n	650m	0.0	5.0	.80	2.0	16m	.45		B129	ML158	
80	6305J	512	4	SE	BTX	70n	650m	0.0	5.0	.80	2.0	16m	.45		B129	ML127e	
81	6306D	512	4	SE	BTX	70n	650m	0.0	5.0	.80	2.0Δ	16m	.45		B129	ML158	
82	6306J	512	4	SE	BTX	70n	650m	0.0	5.0	.80	2.0Δ	16m	.45		B129	ML127e	
83#	BC82S130F	512	4	SE	BTX	70n	700m	0.0	5.0	.80	2.0Δ	16m	.50		B197	ML127r	
84#	BC82S131F	512	4	SE	BTX	70n	700m	0.0	5.0	.80	2.0Δ	16m	.50		B197	ML127r	
85#	MB7053	512	4	SE	BTX	70n	735m	0.0	5.0	.80	2.0Δ	16m	.45		B203	ML4k	
86#	MB7058	512	4	SE	BTX	70n	735m	0.0	5.0	.80	2.0Δ	16m	.45		B204	ML4k	
87#	M5L1702AS#2	512	4	SE	MPG	1.0u	300m†	9.0	5.0	.65†	3.0#	1.6m	.45		B18	ML340	
88	MM4203D#2	512	4	SE	MPG	1.0u	660m	12	5.0	1.0	3.0#	1.6m	.40		B95	ML184	
89	MM4203Q#2																

3. READ ONLY MEMORIES (ROMS)

IN ORDER OF (1)No.WDS(2)No.BITS/W(3)OP.MODE
PRG.CODE(4)STRUCT.(5)MAX ACC.TIME(6)TYPE No.

MEMORY

LINE No.	TYPE No.	ORGANIZATION		3 OP MODE	4 STRUCTURE CODE	5 MAX ACCESS TIME (s)	MAX OPER. POWER (W)	RATED POWER SUP.		INPUT LOGIC LEVELS		MIN OUTPUT SINK CURRENT		OPER. TEMP. RANGE CODE	GENERAL DESCRIPTION	DRAWINGS		
		1 No. WORDS	2 BITS PER WORD					NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)	@ (A)	OUT (V)			LOGIC/BLOCK	OUTLINE	
																		SPAN
1	S8614#2	512	8	SC	MPI	500n	595m	12	5.0	.60	3.7					C48	ML23b	
2	S8773#2	512	8	SC	MPI	550n*	595m	12	5.0	.60	3.7			0	0	6	C48	ML23b
3	MCS2004	512	8	SC	MPN	800n	450m	12	5.0	.80	3.5			2	2	8	PN24z	ML27
4	IM7604CDG	512	8	SC	MPX	750n	430m	0.0	12	1.0*	4.0#	4.0	3.0	2	2	7	B3a	ML27
5	IM7605CDG	512	8	SC	MPX	750n	430m	0.0	12	1.0*	4.0#	4.0	3.0	2	2	7	B3b	ML27
6	MCM1150LA#2	512	8	SC	MPX	800n	600m	24	0.0	.30	-1.6	10uΔ	-12	2	2	8	B77	ML94
7	MCM1150LB	512	8	SC	MPX	800n	600m	24	0.0	.30	-1.6	10uΔ	-12	2	2	8	B77a	ML94
8	TMS2500JC#1	512	8	SC	MPX	400n	400m	12	5.0	1.0	3.5	3.2m	.80	2	2	8	B64	ML47d
9	TMS2500NC#1	512	8	SC	MPX	400n	400m	12	5.0	1.0	3.5	3.2m	.80	2	2	8	B64	ML47d
10	C3304A	512	8	SC	BTD	70n	950m	0.0	5.0			15m		0	0	7	B165	ML34c
11	C3304A4	512	8	SC	BTD	90n	950m	0.0	5.0			15m		0	0	7	B165	ML34c
12	C3304A6	512	8	SC	BTD	70n	700m	0.0	5.0			15m		0	0	7	B165	ML34c
13	6247	512	8	SC	BXD	60n	850m	0.0	5.0	.80	2.0		.50	0	0	7	B127	ML47c
14	5247	512	8	SC	BXD	75n	850m	0.0	5.0	.80	2.0	8.0m	.50	0	0	7	B127	ML47c
15	CD40032D	512	8	SC	MCX	400n†	20m†	0.0	12	.80	8.4	1.8m	.50	0	0	7	PN24ag	ML27
16	CD40032E	512	8	SC	MCX	400n†	20m†	0.0	12	.80	8.4	1.8m	.50	0	0	7	PN24ag	ML27
17#	MF7110	512	8	DC	MPG	350n†	850m	9.0	5.0	.80	3.0	1.6m	.40	0	0	7	B108	ML8
18	E43300#1	512	8	DC	MPX	1.5u	90m†	13	0.0	-2.0	-9.0			0	0	7	B36	ML41
19	DM7696D	512	8	SC	BTX	100n\$	100m\$	0.0	5.0	.80	2.0	12m	.40	0	0	7	B152	ML130
20	DM8596D	512	8	SC	BTX	100n\$	100m\$	0.0	5.0	.80	2.0	12m	.40	0	0	7	B152	ML130
21	DM8596E	512	8	SC	BTX	100n\$	100m\$	0.0	5.0	.80	2.0	12m	.40	0	0	7	B152	ML118
22	C3304A1	512	8	SC	BTD	65n	918m	0.0	5.0	.85	2.0	15m	.45	0	0	7	PN24ac	ML34c
23	6240.1D	512	8	SC	BTD	75n	140u*	0.0	5.0	.80	2.0Δ	10	.50	0	0	7	B130	ML207d
24	6241.1D	512	8	SC	BTD	75n	140u*	0.0	5.0	.80	2.0	10	.50	0	0	7	B130	ML207d
25	5240.1D	512	8	SC	BTD	90n	140u*	0.0	5.0	.80	2.0	8.0m	.50	0	0	7	B130	ML207d
26	5241.1D	512	8	SC	BTD	90n	140u*	0.0	5.0	.80	2.0	8.0m	.50	0	0	7	B130	ML207d
27	A5240D	512	8	SC	BTD	150n	850m	0.0	5.0	.80	2.0	8.0m	.50	0	0	7	B131a	ML47c
28	A5241D	512	8	SC	BTD	150n	850m	0.0	5.0	.80	2.0	8.0m	.50	0	0	7	B131a	ML47c
29	A6240D	512	8	SC	BTD	150n	850m	0.0	5.0	.80	2.0	10m	.50	0	0	7	B131a	ML47c
30	A6241D	512	8	SC	BTD	150n	850m	0.0	5.0	.80	2.0	10m	.50	0	0	7	B131a	ML47c
31	S8205Y	512	8	SC	BTX	60n	895m	0.0	5.0	.85	2.0	9.6m	.45	0	0	7	B32	ML21b
32	DM7595D	512	8	SC	BTX	80n†	790m	0.0	5.0	.80	2.0	12m	.40	0	0	7	B152	ML184
33	DM7595J	512	8	SC	BTX	80n†	790m	0.0	5.0	.80	2.0	12m	.40	0	0	7	B152	ML133a
34	DM7596D	512	8	SC	BTX	80n†	850m	0.0	5.0	.80	2.0	12m	.40	0	0	7	B152	ML184
35	DM7596J	512	8	SC	BTX	80n†	850m	0.0	5.0	.80	2.0	12m	.40	0	0	7	B152	ML133a
36	DM7595J	512	8	SC	BTX	80n†	790m	0.0	5.0	.80	2.0	12m	.40	0	0	7	B152a	ML133a
37	DM7796J	512	8	SC	BTX	80n†	850m	0.0	5.0	.80	2.0	12m	.40	0	0	7	B152a	ML133a
38	DM8595D	512	8	SC	BTX	80n†	790m	0.0	5.0	.80	2.0	12m	.40	0	0	7	B152	ML184
39	DM8595J	512	8	SC	BTX	80n†	790m	0.0	5.0	.80	2.0	12m	.40	0	0	7	B152	ML133a
40	DM8595N	512	8	SC	BTX	80n†	790m	0.0	5.0	.80	2.0	12m	.40	0	0	7	B152	ML183
41	DM8596D	512	8	SC	BTX	80n†	850m	0.0	5.0	.80	2.0	12m	.40	0	0	7	B152	ML184
42	DM8596J	512	8	SC	BTX	80n†	850m	0.0	5.0	.80	2.0	12m	.40	0	0	7	B152	ML133a
43	DM8596N	512	8	SC	BTX	80n†	850m	0.0	5.0	.80	2.0	12m	.40	0	0	7	B152	ML183
44	DM8795J	512	8	SC	BTX	80n†	790m	0.0	5.0	.80	2.0	12m	.40	0	0	7	B152a	ML133a
45	DM8795N	512	8	SC	BTX	80n†	790m	0.0	5.0	.80	2.0	12m	.40	0	0	7	B152a	ML183
46	DM8796J	512	8	SC	BTX	80n†	850m	0.0	5.0	.80	2.0	12m	.40	0	0	7	B152a	ML133a
47	DM8796N	512	8	SC	BTX	80n†	850m	0.0	5.0	.80	2.0	12m	.40	0	0	7	B152a	ML183
48	HCMP1831D	512	8	SC	MCG	400n†	30m†	0.0	10					0	0	7	B354	
49	HCMP1832D	512	8	SC	MCG	400n†	15m†	0.0	10					0	0	7	B355	
50	HCMP1831CD	512	8	SC	MCG	850n†	30m†	0.0	5.0					0	0	7	B354	
51	HCMP1832CD	512	8	SC	MCG	850n†	15m†	0.0	5.0					0	0	7	B355	
52	SY2530	512	8	SC	MNG	550n	250m	0.0	5.0	.80	2.0	2.4m	.40	0	0	7	PROM	B112
53	SY2535	512	8	SC	MNI	500n	1.0	0.0	5.0	.80	2.0	2.4m	.40	0	0	7	PROM	B286
54	SY2535	512	8	SC	MNI	500n	1.0	0.0	5.0	.80	2.0	2.4m	.40	0	0	7	PROM	B286
55	SY2530	512	8	SC	MNI	550n	1.0	0.0	5.0	.80	2.0	2.4m	.40	0	0	7	PROM	B285
56	SY2535	512	8	SC	MNI	700n	1.0	0.0	5.0	.80	2.0	2.4m	.40	0	0	7	PROM	B286
57	SY2535	512	8	SC	MNI	700n	1.0	0.0	5.0	.80	2.0	2.4m	.40	0	0	7	PROM	B286
58#	M240D1B	512	8	SC	MPG	610n	470m	12	5.0	.55	2.5	2.4m	.40	0	0	7	B90	ML173
59#	ITT3514-1	512	8	SC	MPG	700n	580m	12	5.0	.40%	2.4	2.4m	.40	0	0	7	B265	ML27
60#	M240D1A	512	8	SC	MPG	810n	470m	12	5.0	.55	2.5	2.4m	.40	0	0	7	B90	ML173
61#	ITT3514-2	512	8	SC	MPG	1.0u	580m	12	5.0	.40%	2.4	2.4m	.40	0	0	7	B265	ML27
62#	MN1200	512	8	SC	MPG	1.2u	250m†	14	0.0	-6.0	-1.0†	1.6m*	-4.5	3	6	B148	ML34a	
63	MK2500P#1	512	8	SC	MPI	700n	476m*	12	5.0	.80	2.4	1.6m	.40	0	0	7	B73	ML21
64	MK2600P#1	512	8	SC	MPI	700n	476m*	12	5.0	.80	2.4	1.6m	.40	0	0	7	B99	ML21
65	MM4233D	512	8	SC	MPI	1.0u	510m	12	5.0	1.0	4.0	2.4m	.40	0	0	7	B171	ML128
66	MM4233J	512	8	SC	MPI	1.0u	510m	12	5.0	1.0	4.0	2.4m	.40	0	0	7	B171	ML133a
67	MM5233D	512	8	SC	MPI	1.0u	510m	12	5.0	1.0	4.0	2.4m	.40	0	0	7	B171	ML128
68	MM5233J	512	8	SC	MPI	1.0u	510m	12	5.0	1.0	4.0	2.4m	.40	0	0	7	B171	ML133a
69	MM5233N	512	8	SC	MPI	1.0u	510m	12	5.0	1.0	4.0	2.4m	.40	0	0	7	B171	ML118
70	S3514-1W	512	8	SC	MPI	1.0u	500m	12	5.0							B90	ML72d	
71	S3514-2L	512	8	SC	MPI	1.0u	500m	12	5.0							B90	ML72e	
72	S5232-1W#1	512	8	SC	MPI	1.0u	500m	12	5.0							B73	ML72d	
73	S5232-2L#1	512	8	SC	MPI	1.0u	500m	12	5.0							B73	ML72e	
74	MCM1140L#1	512	8	SC	MPX	800n	600m	14	14	.30	1.0	3.0	1.6m	-14	2	8	B76	ML94
75	MM4232J#1	512	8	SC	MPX	1.0u	629m	12	5.0	1.0	3.0	1.6m	.40	0	0	7	B96	ML133a
76	MM5232J#1	512	8	SC	MPX	1.0u	629m	12	5.0	1.0	3.0	1.6m	.40	0	0	7	B96	ML133a
77	MM5232N#1	512	8	SC	MPX	1.0u	629m	12	5.0	1.0	3.0	1.6m	.40	0	0	7	B96	ML183
78#	HN3250P	512	8	SC	MPX	7.0u	300m	14	0.0	-2.0	-5.4			2	7	B88	ML88a	
79	GER542W1#4	512	8	SC	MXR	500n†	350m†	12	5.0	1.0	4.0					B8	ML30	
80	UA2596D4#1	512	8	SC	MXR	900n	600m	20	0.0	.80*	2.7	1.6m	.40	0	0	7	B9c	ML31a
81	UA2596D8#1	512	8	SC	MXR	900n	600m	20	0.0	.80*	2.7	1.6m	.40	0	0	7	B9c	ML32
82	UA3596D4#1	512	8	SC	MXR													

3. READ ONLY MEMORIES (ROMS)

IN ORDER OF (1)No.WDS(2)No.BITS/WD(3)OP.MODE
PRG.CODE(4)STRUCT.(5)MAX ACC.TIME(6)TYPE No.

LINE No.	6 TYPE No.	ORGANIZATION		3 OP CODE	4 MODE	5 MAX ACCESS TIME (s)	MAX OPER. POWER DISS. (W)	RATED POWER SUP. SPAN		INPUT LOGIC LEVELS		MIN OUTPUT SINK CURRENT @ OUT (V)		OPER. TEMP. RANGE CODE	GENERAL DESCRIPTION	DRAWINGS		
		1 No. WORDS	2 BITS PER WORD					NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)	(A)	(V)			LOGIC/BLOCK	OUTLINE	
																		PROG. CODE
1	DM87S296N	512	8	SE	BTD	65n	850m	0.0	5.0	.80	2.0s	16m	50	0	7	PROM	B161	ML183
2	29622DC	512	8	SE	BTD	70n	775m	0.0	5.0	.80	2.0s	16m	50	0	7	PROM,Pwr Sw	B312a	ML2
3	29623DC	512	8	SE	BTD	70n	775m	0.0	5.0	.80	2.0s	16m	50	0	7	PROM,Pwr Sw	B312a	ML2
4	D3604	512	8	SE	BTD	70n	950m	0.0	5.0	.85	2.0s	15m	45	0	7	PROM	B165	ML133c
5	D3604A	512	8	SE	BTD	70n	875m	0.0	5.0	.85	2.0s	15m	45	0	7	PROM	B165	ML359d
6	D3624	512	8	SE	BTD	70n	950m	0.0	5.0	.85	2.0s	15m	45	0	7	PROM	PN24ad	ML118d
7	D3624A	512	8	SE	BTD	70n	875m	0.0	5.0	.85	2.0s	15m	45	0	7	PROM	B165	ML359d
8	HM3-7640AR2	512	8	SE	BTD	70n	900m	0.0	5.0	.80	2.0s	16m	45	5	C	PROM,Latched	B388b	ML311
9	HM3-7640A2	512	8	SE	BTD	70n	850m	0.0	5.0	.80	2.0s	16m	45	5	C	PROM	B389a	ML311
10	HM3-7641AR2	512	8	SE	BTD	70n	900m	0.0	5.0	.80	2.0s	16m	45	5	C	PROM,Latched	B388b	ML311
11	HM3-7641A2	512	8	SE	BTD	70n	850m	0.0	5.0	.80	2.0s	16m	45	5	C	PROM	B389a	ML311
12	HM9-7640-5	512	8	SE	BTD	70n	850m	0.0	5.0	.80	2.0s	16m	45	0	7	PROM	B159	FL55
13	HM9-7641-5	512	8	SE	BTD	70n	850m	0.0	5.0	.80	2.0s	16m	45	0	7	PROM	B159	FL55
14	DM77S295J	512	8	SE	BTD	75n	850m	0.0	5.0	.80	2.0s	16m	50	5	C	PROM	B161	ML183a
15	DM77S296J	512	8	SE	BTD	75n	850m	0.0	5.0	.80	2.0s	16m	50	5	C	PROM	B161	ML183a
16	29620DM	512	8	SE	BTD	80n	775m	0.0	5.0	.80	2.0s	16m	50	5	C	PROM	B312	ML2
17	29621DM	512	8	SE	BTD	80n	775m	0.0	5.0	.80	2.0s	16m	50	5	C	PROM	B312	ML2
18	HM3-7647R2	512	8	SE	BTD	80n	925m	0.0	5.0	.85	2.0s	16m	50	5	C	PROM,Latched	B388	ML311
19	HM3-7648-2	512	8	SE	BTD	80n	850m	0.0	5.0	.80	2.0s	16m	50	5	C	PROM	B389	ML309
20	HM3-7649-2	512	8	SE	BTD	80n	850m	0.0	5.0	.80	2.0s	16m	50	5	C	PROM	B389	ML309
21	29622DM	512	8	SE	BTD	85n	775m	0.0	5.0	.80	2.0s	16m	50	5	C	PROM,Pwr Sw	B312a	ML2
22	29623DM	512	8	SE	BTD	85n	775m	0.0	5.0	.80	2.0s	16m	50	5	C	PROM,Pwr Sw	B312a	ML2
23	HM3-7640-2	512	8	SE	BTD	85n	850m	0.0	5.0	.80	2.0s	16m	45	5	C	PROM	B159	ML311
24	HM3-7641-2	512	8	SE	BTD	85n	850m	0.0	5.0	.80	2.0s	16m	45	5	C	PROM	B159	ML311
25	D3604-4	512	8	SE	BTD	90n	950m	0.0	5.0	.85	2.0s	15m	45	0	7	PROM	B165	ML133c
26	D3604-6	512	8	SE	BTD	90n	735m	0.0	5.0	.85	2.0	15m	45	0	7	PROM	B165a	ML118d
27	D3604AL	512	8	SE	BTD	90n	650m	0.0	5.0	.85	2.0s	15m	45	0	7	PROM	B165	ML359d
28	D3604L6	512	8	SE	BTD	90n	700m	0.0	5.0	.85	2.0s	15m	45	0	7	PROM	B165	ML133c
29	D3624-4	512	8	SE	BTD	90n	950m	0.0	5.0	.85	2.0s	15m	45	0	7	PROM	PN24ad	ML118d
30	MD3604	512	8	SE	BTD	90n	950m	0.0	5.0	.80	2.1s	10m	45	5	C	Prom	B165a	ML133c
31	MD3624	512	8	SE	BTD	90n	950m	0.0	5.0	.80	2.1s	10m	45	5	C	Prom	B165a	ML133c
32	IM5605CJG	512	8	SE	BTX	70n	925m	0.0	5.0	.80	2.0	16m	45	0	7	PROM	B250	ML88g
33	IM5625CJG	512	8	SE	BTX	70n	925m	0.0	5.0	.80	2.0	16m	45	0	7	PROM	B250	ML88g
34	IM5605MJG	512	8	SE	BTX	80n	925m	0.0	5.0	.80	2.0	16m	45	5	C	PROM	B250	ML88g
35	IM5625MJG	512	8	SE	BTX	80n	925m	0.0	5.0	.80	2.0	16m	45	5	C	PROM	B250	ML88g
36	5340D	512	8	SE	BTX	90n	400m	0.0	5.0	.80	2.0	8.0m	50	5	C	PROM	B130	ML47c
37	6340-1D	512	8	SE	BTX	90n	700m	0.0	5.0	.80	2.0s	16m	50	0	7	Fid Prog	B130a	ML207d
38	6340D	512	8	SE	BTX	90n	400m	0.0	5.0	.80	2.0	10m	50	0	7	PROM	B130	ML47c
39	6341-1D	512	8	SE	BTX	90n	700m	0.0	5.0	.80	2.0s	16m	50	0	7	Fid Prog	B130a	ML207d
40	uPB405DE	512	8	SE	BTX	100n	800m	0.0	5.0	.80	2.0s	16m	45	0	6	PROM	B264	ML133d
41	uPB425DE	512	8	SE	BTX	100n	800m	0.0	5.0	.80	2.0s	16m	45	0	6	PROM	B264	ML133d
42	IM6604AIDG	512	8	SE	MCX	150nt	1.3m	0.0	11	.80	3.0	2.0m	45	4	8	PROM	B374b	ML297
43	IM6604AIJG	512	8	SE	MCX	150nt	1.3m	0.0	11	.80	3.0	2.0m	45	4	8	PROM	B374b	ML267
44	IM6604IDG	512	8	SE	MCX	280nt	1.3m	0.0	11	.80	3.0	2.0m	45	4	8	PROM	B374b	ML297
45	IM6604IJG	512	8	SE	MCX	280nt	1.3m	0.0	11	.80	3.0	2.0m	45	4	8	PROM	B374b	ML267
46	B2704	512	8	SE	MNG	450n	800m	5.0	12	.65	3.0s	1.6m	40	2	8	EPROM	B296b	ML272
47	C2704	512	8	SE	MNG	450n	800m	5.0	12	.65	3.0s	1.6m	45	2	8	Erasable PR	B163c	ML360b
48	EA2704	512	8	SE	MNG	450n	800m	5.0	12	.65	3.0s	1.6m	45	0	7	Erasable PROM	B230	ML207f
49	MM5204D	512	8	SE	MPG	1.0u	480m	12	5.0	.80	3.5s	1.6m	40	0	7	Non-Vol PROM	B172	ML184
50	MM4204D	512	8	SE	MPG	1.2u	600m	12	5.0	.80	3.5s	1.6m	40	5	8	Non-Vol PROM	B172	ML184a
51	MM5244J	512	8	SE	MXG	1.0u	690m	12	5.0	.80	3.5s	1.6m	40	0	7	PROM	B280	ML183a
52	MM4244J	512	8	SE	MXG	1.2u	860m	12	5.0	.80	3.5s	1.6m	40	5	8	PROM	B280	ML183a
53	MCM1141L	512	8	SS	MPX	800n	600m	14	14	.30	-16	10uΔ	-14	2	8		B76	ML94
54	TMS4305JC	512	8	SS	MXX	2.0u	250m	12	12	-3.0	-9.0	2.0m	-2.0	2	8	Sine Pr.	B58	ML47b
55	TMS4306JC	512	8	SS	MXX	2.0u	250m	12	12	-3.0	-9.0	2.0m	-2.0	2	8	Sine Pr.	B58	ML47b
56	EA4000	512	10	SC	MPX	725n	60u%	12	12	.40	2.4	1.6m	40	5	8		B38	ML41
57	MRM4A512-10	512	10	SC	MPX	330n	9.5	12	12	.40	2.5	1.6m	40	0	7		B54	PL4
58	809-01#1	512	16	SE	BTX	80n	1.8	0.0	5.0	.40	2.4	1.6m	40	0	6		B56	PL4
59	MRM3B512-20	512	20	SC	MPX	330n	9.5	12	12	.40	2.5	1.6m	40	0	7		B54	PL4
60	MRM2C512-40	512	40	SC	MPX	330n	9.5	12	12	.40	2.5	1.6m	40	0	7		B54	PL4
61	MCS2017#2	576	7	DC	MPX	160n	200m	5.0	5.0	.80	3.5	1.6m	40	2	8	7x9x64	C32	ML13b
62	S8564#1	576	7	DC	MPA	450nt	1.0	12	5.0	.60	4.0	1.6m	40	0	6		C47	ML13b
63	MCS2005	640	4	SC	MPN	800n	450m	12	5.0	.80	3.5	1.6m	40	2	8		PN24aa	ML2
64	MCS2014	768	3	DC	MPN	800n	450m	12	5.0	.80	3.5	1.6m	40	2	8		PN24z	ML2
65	MCS2025#2	768	10	DC	MPX	160n	300m	5.0	5.0	.80	3.5	1.6m	40	2	8	10x12x64	C45	ML2
66	MCS2024#2	896	9	DC	MPX	160n	300m	5.0	5.0	.80	3.5	1.6m	40	2	8	9x7x128	C44	ML2
67	UA2525F#4	1024	4	SC	MPX	900n	360m	10	0.0	.80	2.7	1.6m	40	5	C		B9	FL3a
68	NC7010#2	1024	4	SC	MPX	25u	150m	30	0.0	-12	-2.0	0.5m	-1.0	0	7	Non-Vol EAROM	B9	ML2
69	MCS2010	1024	2	SC	MPN	800n	450m	12	5.0	.80	3.5	1.6m	40	2	8		PN24z	ML2
70	MM4224D#3	1024	2	SC	MPX	1.0u	480m	15	5.0	.80	2.4s	1.6m	40	5	C		B9a	ML130
71	MM4225D#3	1024	2	SC	MPX	1.0u	480m	15	5.0	.80	2.4s	1.6m	40	5	C		B9a	ML130
72	MM5224D#3	1024	2	SC	MPX	1.0u	480m	15	5.0	.80	2.4s	1.6m	40	2	7		B9a	ML130
73	MM5225D#3	1024	2	SC	MPX	1.0u	480m	15	5.0	.80	2.4s	1.6m	40	2	7		B9a	ML130
74	EA3300#2	1024	4	DC	MPX	1.5u	90m	13	0.0	-2.0	-9.0	1.6m	40	0	7	fc 100kHz	B36	ML41
75	6250-1D	1024	4	SC	BTD	60n	875m	0.0	5.0	.80	2.0s	16m	50	0	7		B222	ML210a
76	6251-1D	1024	4	SC	BTD	60n	875m	0.0	5.0	.80	2.0s	16m	50	0	7		B222	ML210a
77	C3304#2	1024	4	SC	BTD	65n	918m	0.0	5.0	.85	2.0	15m	45	0	7		PN24ac	ML34c
78	5250-1D	1024	4	SC	BTD	75n	875m	0.0	5.0	.80	2.0s	12m	50	5	C		B222	ML210a
79	5251-1D	1024	4	SC	BTD	75n	875m	0.0	5.0	.80	2.0s	12m	50	5	C		B222	ML210a
80	BC82S136F	1024																

3. READ ONLY MEMORIES (ROMS)

IN ORDER OF (1)NO.WDS(2)NO.BITS/WD(3)OP.MODE
PRG.CODE(4)STRUCT.(5)MAX ACC.TIME(6)TYPE No.

MEMORY

LINE No.	TYPE No.	ORGANIZATION		3 OP MODE	4 STRUCTURE CODE	5 MAX ACCESS TIME (s)	MAX OPER. POWER DISS. (W)	RATED POWER SUP. SPAN		INPUT LOGIC LEVELS		MIN OUTPUT SINK CURRENT		OPER. TEMP. RANGE CODE	GENERAL DESCRIPTION	DRAWINGS		
		1 No. WORDS	2 BITS PER WORD					NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)	CURRENT (A)	@ OUT (V)			LOGIC/BLOCK	OUTLINE	
																		PROG CODE
1	HM9-7845P5	1024	4	SE	BTD	50n	700m	0.0	5.0	0.80	2.05	16m	50	0	7	PROM,Pwr Sw	B387a	FL56
2	29640DC	1024	4	SE	BTD	60n	775m	0.0	5.0	0.80	2.0A	16m	50	0	7	PROM	B396	ML27
3	29641DC	1024	4	SE	BTD	60n	775m	0.0	5.0	0.80	2.05	16m	50	0	7	PROM	B396	ML27
4	D3605-2	1024	4	SE	BTD	60n	750m	0.0	5.0	0.85	2.0A	15m	45	0	7	PROM	B214	ML231
5	D3625-2	1024	4	SE	BTD	60n	750m	0.0	5.0	0.85	2.05	15m	45	0	7	PROM	B214	ML231
6	HM3-7844A2	1024	4	SE	BTD	60n	700m	0.0	5.0	0.80	2.0	16m	45	5	C	PROM	B386	ML314
7	HM9-7842-5	1024	4	SE	BTD	60n	700m	0.0	5.0	0.80	2.0A	16m	45	0	7	PROM	B382	FL52
8	HM9-7843-5	1024	4	SE	BTD	60n	700m	0.0	5.0	0.80	2.05	16m	45	0	7	PROM	B382	FL52
9	HM9-7844-5	1024	4	SE	BTD	60n	700m	0.0	5.0	0.80	2.0	16m	45	0	7	PROM	B382a	FL54
10	29642DC	1024	4	SE	BTD	65n	775m	0.0	5.0	0.80	2.0A	16m	50	0	7	PROM,Pwr Sw	B396	ML27
11	29643DC	1024	4	SE	BTD	65n	775m	0.0	5.0	0.80	2.05	16m	50	0	7	PROM,Pwr Sw	B396	ML27
12	D3605	1024	4	SE	BTD	70n	750m	0.0	5.0	0.85	2.0A	15m	45	0	7	PROM	B214	ML231
13	D3625	1024	4	SE	BTD	70n	750m	0.0	5.0	0.85	2.05	15m	45	0	7	PROM	B214	ML231
14	HM1-7845-2	1024	4	SE	BTD	70n	700m	0.0	5.0	0.80	2.05	16m	50	5	C	PROM	B387	ML308
15	HM1-7845P2	1024	4	SE	BTD	70n	700m	0.0	5.0	0.80	2.05	16m	50	5	C	PROM,Pwr Sw	B387a	ML308
16	HM3-7842A2	1024	4	SE	BTD	70n	700m	0.0	5.0	0.80	2.0A	16m	45	5	C	PROM	B384a	ML305
17	HM3-7842P2	1024	4	SE	BTD	70n	700m	0.0	5.0	0.80	2.0A	16m	45	5	C	PROM,Pwr Sw	B384	ML305
18	HM3-7843A2	1024	4	SE	BTD	70n	700m	0.0	5.0	0.80	2.05	16m	45	5	C	PROM	B384a	ML305
19	HM3-7843P2	1024	4	SE	BTD	70n	700m	0.0	5.0	0.80	2.05	16m	45	5	C	PROM,Pwr Sw	B384	ML305
20	HM3-7845-2	1024	4	SE	BTD	70n	700m	0.0	5.0	0.80	2.05	16m	50	5	C	PROM	B387	ML309
21	HM3-7845P2	1024	4	SE	BTD	70n	700m	0.0	5.0	0.80	2.05	16m	50	5	C	PROM,Pwr Sw	B387a	ML309
22	HM9-7845-2	1024	4	SE	BTD	70n	700m	0.0	5.0	0.80	2.05	16m	50	5	C	PROM	B387	FL56
23	HM9-7845P2	1024	4	SE	BTD	70n	700m	0.0	5.0	0.80	2.05	16m	50	5	C	PROM,Pwr Sw	B387a	FL56
24	29640DM	1024	4	SE	BTD	75n	775m	0.0	5.0	0.80	2.0A	16m	50	5	C	PROM	B396	ML27
25	29641DM	1024	4	SE	BTD	75n	775m	0.0	5.0	0.80	2.05	16m	50	5	C	PROM	B396	ML27
26	29642DM	1024	4	SE	BTD	80n	775m	0.0	5.0	0.80	2.0A	16m	50	5	C	PROM,Pwr Sw	B396	ML27
27	29643DM	1024	4	SE	BTD	80n	775m	0.0	5.0	0.80	2.05	16m	50	5	C	PROM,Pwr Sw	B396	ML27
28	HM3-7842-2	1024	4	SE	BTD	85n	700m	0.0	5.0	0.80	2.0A	16m	45	5	C	PROM	B382	ML305
29	HM3-7843-2	1024	4	SE	BTD	85n	700m	0.0	5.0	0.80	2.05	16m	45	5	C	PROM	B382	ML305
30	HM3-7844-2	1024	4	SE	BTD	85n	700m	0.0	5.0	0.80	2.0	16m	45	5	C	PROM	B382a	ML314
31 #	MB7054	1024	4	SE	BTX	70n	683m	0.0	5.0	0.80	2.05	16m	45	0	7	PROM	B228	ML3c
32 #	MB7059	1024	4	SE	BTX	70n	683m	0.0	5.0	0.80	2.0A	16m	45	0	7	PROM	B228	ML3c
33	uPB406DE	1024	4	SE	BTX	100n	650m	0.0	5.0	0.80	2.0A	16m	45	0	6	PROM	PN18as	ML194a
34	uPB426DE	1024	4	SE	BTX	100n	650m	0.0	5.0	0.80	2.05	16m	45	0	6	PROM	PN18as	ML194a
35	C3605A-1	1024	4	SE	BXX	50n	700m	0.0	5.0	0.85	2.0A	15m	45	0	7	PROM	B214	ML360
36	D3605A-1	1024	4	SE	BXX	50n	700m	0.0	5.0	0.85	2.0A	15m	45	0	7	PROM	B214	ML359a
37	D3625A-1	1024	4	SE	BXX	50n	700m	0.0	5.0	0.85	2.05	15m	45	0	7	PROM	B214	ML359a
38	C3605A	1024	4	SE	BXX	60n	700m	0.0	5.0	0.85	2.0A	15m	45	0	7	PROM	B214	ML360
39	C3625A	1024	4	SE	BXX	60n	700m	0.0	5.0	0.85	2.05	15m	45	0	7	PROM	B214	ML360
40	D3605A	1024	4	SE	BXX	60n	700m	0.0	5.0	0.85	2.0A	15m	45	0	7	PROM	B214	ML359a
41	D3625A	1024	4	SE	BXX	60n	700m	0.0	5.0	0.85	2.05	15m	45	0	7	PROM	B214	ML359a
42	IM6603AIDG	1024	4	SE	MCX	150nt	1.3m	0.0	11	0.80	3.0	2.0m	45	4	8	PROM	B374a	ML297
43	IM6603AIJG	1024	4	SE	MCX	150nt	1.3m	0.0	11	0.80	3.0	2.0m	45	4	8	PROM	B374a	ML267
44	IM6603IDG	1024	4	SE	MCX	280nt	1.3m	0.0	11	0.80	3.0	2.0m	45	4	8	PROM	B374a	ML297
45	IM6603IJG	1024	4	SE	MCX	280nt	1.3m	0.0	11	0.80	3.0	2.0m	45	4	8	PROM	B374a	ML267
46 #	M5G2401S	1024	4	SE	MFA	2.0u	80m	14	5.0	0.0	3.5	3.2m	40	0	7	EAROM	B238	ML340a
47	UC6596S	1024	4	SE	MPX	5.0u	50m	15	5.0	0.0	3.0	1.6m	40	6	F		B33	
48	UC7596S	1024	4	SE	MPX	5.0u	50m	15	5.0	0.0	3.0	1.6m	40	6	F		B33	
49	TMS4700JL	1024	8	SE	MNG	450n	310m	5.0	12	0.80	3.3	2.0m	45	0	7		B194	ML207
50	TMS4700NL	1024	8	SE	MNG	450n	310m	5.0	12	0.80	3.3	2.0m	45	0	7		B194	ML27b
51	MCS2023	1024	8	SE	MPX	160n	300m	5.0	5.0	0.80	3.5	1.6m	40	2	8	8x1024	B100	ML27
52	C2608	1024	8	SE		450n	1.0	5.0	12	0.65	3.05	1.6m	45	0	7		B416	ML360b
53	D2429	1024	8	SE		450n	1.0	5.0	12	0.65	3.05	1.6m	45	0	7		B416	ML359d
54	P2608	1024	8	SE		450n	1.0	5.0	12	0.65	3.05	1.6m	45	0	7		B416	ML361c
55	DM85528J	1024	8	SE	BTD	70n	850m	0.0	5.0	0.80	2.05	16m	45	0	7		B131	ML183a
56	DM85528N	1024	8	SE	BTD	70n	850m	0.0	5.0	0.80	2.05	16m	45	0	7		B131	ML183
57	DM85529J	1024	8	SE	BTD	70n	850m	0.0	5.0	0.80	2.0A	16m	45	0	7		B131	ML183a
58	DM85529N	1024	8	SE	BTD	70n	850m	0.0	5.0	0.80	2.0A	16m	45	0	7		B131	ML183
59	DM78528J	1024	8	SE	BTD	90n	850m	0.0	5.0	0.80	2.05	16m	50	5	C		B131	ML183a
60	DM78529J	1024	8	SE	BTD	90n	850m	0.0	5.0	0.80	2.0A	16m	50	5	C		B131	ML183a
61	IM53308CDG	1024	8	SE	BTD	90n	650m	0.0	5.0	0.80	2.0A	8.0m	45	0	7		B248	ML27
62	IM53308CJG	1024	8	SE	BTD	90n	650m	0.0	5.0	0.80	2.0A	8.0m	45	0	7		B248	ML88g
63	IM53318CDG	1024	8	SE	BTD	90n	650m	0.0	5.0	0.80	2.05	8.0m	45	0	7		B248	ML27
64	IM53318CJG	1024	8	SE	BTD	90n	650m	0.0	5.0	0.80	2.05	8.0m	45	0	7		B248	ML88g
65	IM53308MDG	1024	8	SE	BTD	100n	650m	0.0	5.0	0.80	2.0A	8.0m	45	5	C		B248	ML88g
66	IM53308MJG	1024	8	SE	BTD	100n	650m	0.0	5.0	0.80	2.0A	8.0m	45	5	C		B248	ML88g
67	IM53318MDG	1024	8	SE	BTD	100n	650m	0.0	5.0	0.80	2.05	8.0m	45	5	C		B248	ML27
68	IM53318MJG	1024	8	SE	BTD	100n	650m	0.0	5.0	0.80	2.05	8.0m	45	5	C		B248	ML88g
69	A5281D	1024	8	SE	BTD	150n	850m	0.0	5.0	0.80	2.0	8.0m	50	0	7		B131	ML47c
70	A6280D	1024	8	SE	BTD	150n	850m	0.0	5.0	0.80	2.05	8.0m	50	0	7		B131	ML47c
71	A6280D	1024	8	SE	BTD	150n	850m	0.0	5.0	0.80	2.0	10m	50	0	7		B131	ML47c
72	A6281D	1024	8	SE	BTD	150n	850m	0.0	5.0	0.80	2.05	10m	50	0	7		B131	ML47c
73	HCMP1833D	1024	8	SE	MCG	350nt	120m	0.0	10					5	C			
74	HCMP1834D	1024	8	SE	MCG	350nt	15m	0.0	10					5	C			
75	HCMP1833CD	1024	8	SE	MCG	850nt	120m	0.0	5.0					5	C			
76	HCMP1834CD	1024	8	SE	MCG	850nt	15m	0.0	5.0					5	C			
77	NC6560AL#1	1024	8	SE	MNA	290n	925m	5.0	12	0.80	3.05	1.6m	40	0	7		B121	ML30g
78	NC6560AF#1	1024	8	SE	MNA	290n	925m	5.0	12	0.80	3.05	1.6m	40	0	7		B121	ML30g
79	EA4700DC	1024	8	SE	MNA	350n	800m	0.0	5.0	0.8								

3. READ ONLY MEMORIES (ROMS)

IN ORDER OF (1)NO.WDS(2)NO.BITS/WD(3)OP.MODE
PRG.CODE(4)STRUCT.(5)MAX ACC.TIME(6)TYPE No.

MEMORY

LINE No.	TYPE No.	ORGANIZATION				MAX ACCESS TIME (s)	MAX OPER. POWER (W)	RATED POWER SUP. SPAN		INPUT LOGIC LEVELS		MIN OUTPUT SINK CURRENT		OPER. TEMP. RANGE CODE	GENERAL DESCRIPTION	DRAWINGS		
		1 No. WORDS	2 BITS PER WORD	3 MODE	4 OP. STRUCTURE CODE			NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)	CURRENT (A)	@ OUT (V)			LOGIC/BLOCK	OUTLINE	
																		5
1	HM9-7680-5	1024	8	SE	80n	850m	0.0	5.0	.80	2.0Δ	16m	50	0	7	PROM	B390	FL55	
2	HM9-7680P5	1024	8	SE	80n	850m	0.0	5.0	.80	2.0Δ	16m	50	0	7	PROM,Pwr Sw	B391	FL55	
3	HM9-7680RP5	1024	8	SE	80n	850m	0.0	5.0	.80	2.0Δ	16m	50	0	7	PROM,Latch/PD	B391a	FL55	
4	HM9-7680R5	1024	8	SE	80n	850m	0.0	5.0	.80	2.0Δ	16m	50	0	7	PROM,Latched	B390a	FL55	
5	HM9-7681-5	1024	8	SE	80n	850m	0.0	5.0	.80	2.0Δ	16m	50	0	7	PROM	B390	FL55	
6	HM9-7681P5	1024	8	SE	80n	850m	0.0	5.0	.80	2.0Δ	16m	50	0	7	PROM,Pwr Sw	B391	FL55	
7	HM9-7681RP5	1024	8	SE	80n	850m	0.0	5.0	.80	2.0Δ	16m	50	0	7	PROM,Latch/PD	B391a	FL55	
8	HM9-7681R5	1024	8	SE	80n	850m	0.0	5.0	.80	2.0Δ	16m	50	0	7	PROM,Latched	B390a	FL55	
9	HM9-7683-5	1024	8	SE	80n	850m	0.0	5.0	.80	2.0Δ	16m	50	0	7	PROM	B392	FL56	
10	DM87S228J	1024	8	SE	80n	850m	0.0	5.0	.80	2.0Δ	16m	45	0	7	PROM	B368	ML183a	
11	DM87S228N	1024	8	SE	80n	850m	0.0	5.0	.80	2.0Δ	16m	45	0	7	PROM	B368	ML183	
12	DM87S229J	1024	8	SE	80n	850m	0.0	5.0	.80	2.0Δ	16m	45	0	7	PROM	B368	ML183a	
13	DM87S229N	1024	8	SE	80n	850m	0.0	5.0	.80	2.0Δ	16m	45	0	7	PROM	B368	ML183	
14	D3608	1024	8	SE	80n	950m	0.0	5.0	.85	2.0Δ	15m	45	0	7	PROM	B246	ML133c	
15	HM1-7683-2	1024	8	SE	80n	850m	0.0	5.0	.80	2.0	16m	50	5	C	PROM	B392	ML308	
16	HM3-7680-2	1024	8	SE	80n	850m	0.0	5.0	.80	2.0Δ	16m	45	5	C	PROM	B390b	ML311	
17	HM3-7680-2	1024	8	SE	80n	850m	0.0	5.0	.80	2.0Δ	16m	50	5	C	PROM	B390	ML311	
18	HM3-7680P2	1024	8	SE	80n	850m	0.0	5.0	.80	2.0Δ	16m	50	5	C	PROM,Pwr Sw	B391	ML311	
19	HM3-7680R2	1024	8	SE	80n	850m	0.0	5.0	.80	2.0Δ	16m	50	5	C	PROM,Latched	B390a	ML311	
20	HM3-7681-2	1024	8	SE	80n	850m	0.0	5.0	.80	2.0Δ	16m	50	5	C	PROM	B390	ML311	
21	HM3-7681P2	1024	8	SE	80n	850m	0.0	5.0	.80	2.0Δ	16m	50	5	C	PROM,Pwr Sw	B391	ML311	
22	HM3-7681RP2	1024	8	SE	80n	850m	0.0	5.0	.80	2.0Δ	16m	50	5	C	PROM,Latch/PD	B391a	ML311	
23	HM3-7681R2	1024	8	SE	80n	850m	0.0	5.0	.80	2.0Δ	16m	50	5	C	PROM,Latched	B390a	ML311	
24	HM9-7683-2	1024	8	SE	80n	850m	0.0	5.0	.80	2.0	16m	50	5	C	PROM	B392	FL56	
25	DM77S228J	1024	8	SE	90n	850m	0.0	5.0	.80	2.0Δ	16m	45	5	C	PROM	B368	ML183a	
26	DM77S229J	1024	8	SE	90n	850m	0.0	5.0	.80	2.0Δ	16m	45	5	C	PROM	B368	ML183a	
27	D3608-4	1024	8	SE	100n	950m	0.0	5.0	.85	2.0Δ	15m	45	0	7	PROM	B246	ML133c	
28	N82LS180F	1024	8	SE	175n	400m	0.0	5.0	.85	2.0Δ	4.8m	45	0	7	PROM	B304	ML133	
29	N82LS180N	1024	8	SE	175n	400m	0.0	5.0	.85	2.0Δ	4.8m	45	0	7	PROM	B304	ML135	
30	809-01#2	1024	8	SE	80n	1.8	0.0	5.0	.40	2.4			0	6		B56		
31#	MB7055	1024	8	SE	BTX	250n	350mf	0.0	5.0	.80	2.0Δ	3.6m	45	0	7	Field Prog	B270	ML183a
32#	MB7060	1024	8	SE	BTX	250n	350mf	0.0	5.0	.80	2.0Δ	3.6m	45	0	7	Field Prog	B270	ML183a
33	TMS2508-25JDL	1024	8	SE	MNG	250n	250mf	0.0	5.0	.80	2.0Δ	2.1m	45	0	7	EPROM	B225	ML207k
34	TMS2508-30JDL	1024	8	SE	MNG	300n	250mf	0.0	5.0	.80	2.0Δ	2.1m	45	0	7	EPROM	B225	ML207k
35	B2708-1	1024	8	SE	MNG	350n	800m	5.0	12	.65	3.0Δ	1.6m	40	2	8	EPROM	B226a	ML272
36	C2708-1	1024	8	SE	MNG	350n	1.0	5.0	12	.65	3.0Δ	1.6m	45	0	7		B163b	ML360b
37	TMS2708-35JDL	1024	8	SE	MNG	350n	800m	5.0	12	.65	3.0Δ	1.6m	45	0	7			
38	B2708	1024	8	SE	MNG	350n	800m	5.0	12	.65	2.4Δ	1.6m	45	0	7	EPROM	B225	ML207k
39	B2708L	1024	8	SE	MNG	450n	800m	5.0	12	.65	3.0Δ	1.6m	40	2	8	EPROM	B296a	ML272
40	C2708	1024	8	SE	MNG	450n	425m	5.0	12	.65	2.2Δ	2.0m	40	2	8	EPROM	B296a	ML272
41	C2708L	1024	8	SE	MNG	450n	426m	5.0	12	.65	2.2Δ	2.0m	40	0	7	Erased PR	B163b	ML360b
42	C2758	1024	8	SE	MNG	450n	525m	0.0	5.0	.80	2.0Δ	2.1m	45	0	7	EPROM	B298	ML360b
43	EA2708	1024	8	SE	MNG	450n	800m	5.0	12	.65	3.0Δ	1.6m	45	0	7	Erased PROM	B230a	ML207f
44	H2708	1024	8	SE	MNG	450n	1.5	5.0	12	.65	3.0Δ	1.6m	45	2	8	Erased PROM	B163	ML232
45#	HN462708	1024	8	SE	MNG	450n	1.5	5.0	12	.65	3.0Δ	1.6m	45	0	7	Erased PROM	B163a	ML207g
46#	MB8518	1024	8	SE	MNG	450n	1.1	5.0	12	.65	2.4	1.6m	45	0	7	Erased PROM	B163	ML23b
47	MC2708	1024	8	SE	MNG	450n	750m	5.0	12	.65	3.0Δ	1.6m	45	5	A	Erased PROM	B163a	ML258
48	MCM2708P	1024	8	SE	MNG	450n	1.8	5.0	12	.65	3.0Δ	1.6m	45	0	7	PROM	B288	ML39
49	MK2708T	1024	8	SE	MNG	450n	450m	5.0	12	.80	3.2m	40	0	7	EPROM	B259	ML	
50	MM2708M	1024	8	SE	MNG	450n	800m	5.0	12	.80	2.0Δ	1.6m	40	5	C	EPROM	B288	ML320
51#	SAB2808	1024	8	SE	MNG	450n	250m	5.0	12	.80	2.2Δ	2.1m	40	0	7		PN24bd	ML
52	TMS27L08JDL	1024	8	SE	MNG	450n	580m	5.0	12	.65	2.2Δ	1.6m	40	0	7	EPROM	B225	ML207
53	TMS2708-45JDL	1024	8	SE	MNG	450n	800m	5.0	12	.65	2.4Δ	1.6m	45	0	7	EPROM	B225	ML207k
54	TMS2708-45JL	1024	8	SE	MNG	450n	800m	5.0	12	.65	2.4Δ	1.6m	45	0	7	EPROM	B225	ML207k
55#	MB8518E	1024	8	SE	MNG	650n	800m	5.0	12	.65	3.0Δ	1.6m	45	0	7	EPROM	B227	ML207e
56	IM7708CDG	1024	8	SE	MNG	450n	800m	5.0	12	.65	3.0Δ	1.6m	45	0	7	EPROM	B163b	ML207j
57	IM53S09CDG	1024	9	SC	BDT	90n	650m	0.0	5.0	.80	2.0Δ	8.0m	45	0	7		B248	ML
58	IM53S09CJG	1024	9	SC	BDT	90n	650m	0.0	5.0	.80	2.0Δ	8.0m	45	0	7		B248	ML88g
59	IM53S19CDG	1024	9	SC	BDT	90n	650m	0.0	5.0	.80	2.0Δ	8.0m	45	0	7		B248	ML
60	IM53S19CJG	1024	9	SC	BDT	90n	650m	0.0	5.0	.80	2.0Δ	8.0m	45	0	7		B248	ML88g
61	IM53S09MDG	1024	9	SC	BDT	100n	650m	0.0	5.0	.80	2.0Δ	8.0m	45	5	C		B248	ML
62	IM53S09MJG	1024	9	SC	BDT	100n	650m	0.0	5.0	.80	2.0Δ	8.0m	45	5	C		B248	ML88g
63	IM53S19MDG	1024	9	SC	BDT	100n	650m	0.0	5.0	.80	2.0Δ	8.0m	45	5	C		B248	ML
64	IM53S19MJG	1024	9	SC	BDT	100n	650m	0.0	5.0	.80	2.0Δ	8.0m	45	5	C		B248	ML88g
65	5255D	1024	10	SC	BXD	150n	450mf	0.0	5.0	.80	2.0	6.0m	50	5	C		B125	ML47c
66	6255D	1024	10	SC	BXD	150n	450mf	0.0	5.0	.80	2.0	6.0m	50	0	7		B125	ML47c
67	IM53S10CDG	1024	10	SC	BDT	90n	650m	0.0	5.0	.80	2.0Δ	8.0m	45	0	7		B248	ML
68	IM53S10CJG	1024	10	SC	BDT	90n	650m	0.0	5.0	.80	2.0Δ	8.0m	45	0	7		B248	ML88g
69	IM53S20CDG	1024	10	SC	BDT	90n	650m	0.0	5.0	.80	2.0Δ	8.0m	45	0	7		B248	ML
70	IM53S20CJG	1024	10	SC	BDT	90n	650m	0.0	5.0	.80	2.0Δ	8.0m	45	0	7		B248	ML88g
71	IM53S10MDG	1024	10	SC	BDT	100n	650m	0.0	5.0	.80	2.0Δ	8.0m	45	5	C		B248	ML
72	IM53S10MJG	1024	10	SC	BDT	100n	650m	0.0	5.0	.80	2.0Δ	8.0m	45	5	C		B248	ML88g
73	IM53S20MDG	1024	10	SC	BDT	100n	650m	0.0	5.0	.80	2.0Δ	8.0m	45	5	C		B248	ML
74	IM53S20MJG	1024	10	SC	BDT	100n	650m	0.0	5.0	.80	2.0Δ	8.0m	45	5	C		B248	ML88g
75	MRM4B1024-10	1024	10	SC	MXX	330n	9.5	12	12	.40	2.5	1.6m	40	0	7		B54	PL4
76	IM631Z	1024	12	DC	MCX	700n	2.5u	0.0	8.0					0	7			
77	EA3815	1024	12	DC	MPX	300m	350m	12	12	-2.0	-10			0	7		B93	ML
78#	FDR161BZ	1024	12	DC	MPX	2.5u*	300m	24	0.0	-10	-2.0			0	7		B166	ML83a
79#	FDY850Z	1024	12	DC	MPX	2.5u*	368m	24	0.0	-10	-2.0			0	7		B97	ML
80	EA3800#1	1024	12	DC	MPX													

3. READ ONLY MEMORIES (ROMS)

IN ORDER OF (1)No.WDS(2)No.BITS/WD(3)OP.MODE
PRG.CODE(4)STRUCT.(5)MAX ACC.TIME(6)TYPE No.

MEMORY

LINE No.	TYPE No.	ORGANIZATION		MODE	OP	STRUC	TURE	CODE	MAX ACCESS TIME (s)	MAX OPER. POWER DISS. (W)	RATED POWER SUP. SPAN		INPUT LOGIC LEVELS		MIN OUTPUT SINK CURRENT		OPER. TEMP. RANGE CODE	GENERAL DESCRIPTION	DRAWINGS																																								
		No. WORDS	PER WORD								NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)	(A)	@ OUT (V)			LOGIC/BLOCK	OUTLINE																																							
																					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
1	MM5225D#4	2048	1	SC	MPX	1.0u	480m	15	5.0	.80	2.4	1.6m	.40	2	7			B9a	ML130																																								
2	GER542W1#2	2048	2	SC	MXR	500n	350m	12	5.0	1.0	4.0	1.6m	.40	5	7			B8b	ML30																																								
3	UA2596D#3	2048	2	SC	MXX	900n	600m	20	0.0	.80	2.7	1.6m	.40	5	7			B9c	ML31a																																								
4	UA2596D#3	2048	2	SC	MXX	900n	600m	20	0.0	.80	2.7	1.6m	.40	5	7			B9c	ML32																																								
5	UA3596D#3	2048	2	SC	MXX	900n	600m	20	0.0	.80	2.7	1.6m	.40	2	7			B9c	ML31a																																								
6	UA3596D#3	2048	2	SC	MXX	900n	600m	20	0.0	.80	2.7	1.6m	.40	2	7			B9c	ML32																																								
7	TMS4300JC#3	2048	2	SC	MXX	2.0u	250m	12	1.2	-3.0	-9.0	2.0m	-2.0	2	8			B58b	ML47b																																								
8	S8855	2048	4	DC	MPI	700n	611m	12	5.0	.90	3.5	40u	5.5	0	7		fc10k PROM	B110	ML13b																																								
9	N825185N#	2048	4	SC	BDT	100n	50u	0.0	5.0	.85	2.0	1.6m	.40	0	7			B213a	ML12																																								
10	NC6560AL#2	2048	4	SC	MNA	290n	925m	5.0	12	.80	3.0	1.6m	.40	0	7			B121a	ML30g																																								
11	NC6560AP#2	2048	4	SC	MNA	290n	925m	5.0	12	.80	3.0	1.6m	.40	0	7			B121a	ML30g																																								
12	NC6560P#2	2048	4	SC	MNA	350n	925m	3.0	12	.80	3.0	1.6m	.40	0	7			B121a	ML30g																																								
13	R01492C	2048	4	SE	MXX	450n	391m	12	5.0	.80	3.5	1.6m	.40	0	6			B136	ML47b																																								
14	HM1-7686-5	2048	4	SE	BDT	60n	850m	0.0	5.0	.80	2.0	16m	.50	0	7		PROM	B394	ML308																																								
15	HM1-7686P5	2048	4	SE	BDT	60n	850m	0.0	5.0	.80	2.0	16m	.50	0	7		PROM,Pwr Sw	B394b	ML308																																								
16	HM1-7686RP5	2048	4	SE	BDT	60n	850m	0.0	5.0	.80	2.0	16m	.50	0	7		PROM,Latch/PD	B394c	ML308																																								
17	HM1-7686R5	2048	4	SE	BDT	60n	850m	0.0	5.0	.80	2.0	16m	.50	0	7		PROM,Latched	B394a	ML308																																								
18	HM1-7687-5	2048	4	SE	BDT	60n	850m	0.0	5.0	.80	2.0	16m	.50	0	7		PROM	B394	ML308																																								
19	HM1-7687P5	2048	4	SE	BDT	60n	850m	0.0	5.0	.80	2.0	16m	.50	0	7		PROM,Pwr Sw	B394b	ML308																																								
20	HM1-7687RP5	2048	4	SE	BDT	60n	850m	0.0	5.0	.80	2.0	16m	.50	0	7		PROM,Latch/PD	B394c	ML308																																								
21	HM1-7687R5	2048	4	SE	BDT	60n	850m	0.0	5.0	.80	2.0	16m	.50	0	7		PROM,Latched	B394a	ML308																																								
22	HM9-7684-5	2048	4	SE	BDT	60n	850m	0.0	5.0	.80	2.0	16m	.50	0	7		PROM	B393	FL53																																								
23	HM9-7684P5	2048	4	SE	BDT	60n	850m	0.0	5.0	.80	2.0	16m	.50	0	7		PROM,Pwr Sw	B393a	FL53																																								
24	HM9-7685-5	2048	4	SE	BDT	60n	850m	0.0	5.0	.80	2.0	16m	.50	0	7		PROM	B393	FL53																																								
25	HM9-7686-5	2048	4	SE	BDT	60n	850m	0.0	5.0	.80	2.0	16m	.50	0	7		PROM	B394	FL56																																								
26	HM9-7686P5	2048	4	SE	BDT	60n	850m	0.0	5.0	.80	2.0	16m	.50	0	7		PROM,Pwr Sw	B394b	FL56																																								
27	HM9-7686RP5	2048	4	SE	BDT	60n	850m	0.0	5.0	.80	2.0	16m	.50	0	7		PROM,Latch/PD	B394c	FL56																																								
28	HM9-7686R5	2048	4	SE	BDT	60n	850m	0.0	5.0	.80	2.0	16m	.50	0	7		PROM,Latched	B394a	FL56																																								
29	HM9-7687-5	2048	4	SE	BDT	60n	850m	0.0	5.0	.80	2.0	16m	.50	0	7		PROM	B394	FL56																																								
30	HM9-7687P5	2048	4	SE	BDT	60n	850m	0.0	5.0	.80	2.0	16m	.50	0	7		PROM,Pwr Sw	B394b	FL56																																								
31	HM9-7687RP5	2048	4	SE	BDT	60n	850m	0.0	5.0	.80	2.0	16m	.50	0	7		PROM,Latch/PD	B394c	FL56																																								
32	HM9-7687R5	2048	4	SE	BDT	60n	850m	0.0	5.0	.80	2.0	16m	.50	0	7		PROM,Latched	B394a	FL56																																								
33	29650DC	2048	4	SE	BDT	75n	850m	0.0	5.0	.80	2.0	16m	.50	0	7		PROM	B397	ML12																																								
34	29652DC	2048	4	SE	BDT	80n	850m	0.0	5.0	.80	2.0	16m	.50	0	7		PROM,Pwr Sw	B397	ML12																																								
35	HM1-7686-2	2048	4	SE	BDT	80n	850m	0.0	5.0	.80	2.0	16m	.50	5	C		PROM	B394	ML308																																								
36	HM1-7686P2	2048	4	SE	BDT	80n	850m	0.0	5.0	.80	2.0	16m	.50	5	C		PROM,Pwr Sw	B394b	ML308																																								
37	HM1-7686RP2	2048	4	SE	BDT	80n	850m	0.0	5.0	.80	2.0	16m	.50	5	C		PROM,Latch/PD	B394c	ML308																																								
38	HM1-7686R2	2048	4	SE	BDT	80n	850m	0.0	5.0	.80	2.0	16m	.50	5	C		PROM,Latched	B394a	ML308																																								
39	HM1-7687-2	2048	4	SE	BDT	80n	850m	0.0	5.0	.80	2.0	16m	.50	5	C		PROM	B394	ML308																																								
40	HM1-7687P2	2048	4	SE	BDT	80n	850m	0.0	5.0	.80	2.0	16m	.50	5	C		PROM,Pwr Sw	B394b	ML308																																								
41	HM1-7687RP2	2048	4	SE	BDT	80n	850m	0.0	5.0	.80	2.0	16m	.50	5	C		PROM,Latch/PD	B394c	ML308																																								
42	HM1-7687R2	2048	4	SE	BDT	80n	850m	0.0	5.0	.80	2.0	16m	.50	5	C		PROM,Latched	B394a	ML308																																								
43	HM9-7686-2	2048	4	SE	BDT	80n	850m	0.0	5.0	.80	2.0	16m	.50	5	C		PROM	B394	FL56																																								
44	HM9-7686P2	2048	4	SE	BDT	80n	850m	0.0	5.0	.80	2.0	16m	.50	5	C		PROM,Pwr Sw	B394b	FL56																																								
45	HM9-7686RP2	2048	4	SE	BDT	80n	850m	0.0	5.0	.80	2.0	16m	.50	5	C		PROM,Latch/PD	B394c	FL56																																								
46	HM9-7686R2	2048	4	SE	BDT	80n	850m	0.0	5.0	.80	2.0	16m	.50	5	C		PROM,Latched	B394a	FL56																																								
47	HM9-7687-2	2048	4	SE	BDT	80n	850m	0.0	5.0	.80	2.0	16m	.50	5	C		PROM	B394	FL56																																								
48	HM9-7687P2	2048	4	SE	BDT	80n	850m	0.0	5.0	.80	2.0	16m	.50	5	C		PROM,Pwr Sw	B394b	FL56																																								
49	HM9-7687RP2	2048	4	SE	BDT	80n	850m	0.0	5.0	.80	2.0	16m	.50	5	C		PROM,Latch/PD	B394c	FL56																																								
50	HM9-7687R2	2048	4	SE	BDT	80n	850m	0.0	5.0	.80	2.0	16m	.50	5	C		PROM,Latched	B394a	FL56																																								
51	29650DM	2048	4	SE	BDT	95n	850m	0.0	5.0	.80	2.0	16m	.50	5	C		PROM	B397	ML12																																								
52	29652DM	2048	4	SE	BDT	100n	850m	0.0	5.0	.80	2.0	16m	.50	5	C		PROM,Pwr Sw	B397	ML12																																								
53	DM87S186J	2048	4	SE	BTX	60n	700m	0.0	5.0	.80	2.0	16m	.45	0	7		PROM	B267a	ML12																																								
54	DM87S186N	2048	4	SE	BTX	60n	700m	0.0	5.0	.80	2.0	16m	.45	0	7		PROM	B267a	ML12																																								
55	DM87S187J	2048	4	SE	BTX	60n	700m	0.0	5.0	.80	2.0	16m	.45	0	7		PROM	B267a	ML12																																								
56	DM87S187N	2048	4	SE	BTX	60n	700m	0.0	5.0	.80	2.0	16m	.45	0	7		PROM	B267a	ML12																																								
57	DM77S186J	2048	4	SE	BTX	75n	700m	0.0	5.0	.80	2.0	16m	.50	5	C		PROM	B267a	ML12																																								
58	DM77S187J	2048	4	SE	BTX	75n	700m	0.0	5.0	.80	2.0	16m	.50	5	C		PROM	B267a	ML12																																								
59#	M58733S	2048	8	SE	MXX	450n	5.0	12	65	3.0	1.6m	.45	0	7		Fld Prog																																											
60#	M58733S-1	2048	8	SE	MXX	650n	5.0	12	65	3.0	1.6m	.45	0	7		Fld Prog																																											
61	MK28000P#1	2048	8	DC	MPI	600n	340m	12	5.0	.80	-1.5	10u#	.40	0	7			B94	ML191																																								
62	MCS2026	2048	8	DC	MPX	450n	500m	12	5.0	.80	3.5	1.6m	.40	2	8			B124	ML12																																								
63	6275D	2048	8	SC	BDT	110n	850m	0.0	5.0	.80	2.0	10m	.50	0	7			B223	ML207d																																								
64	6275J	2048	8	SC	BDT	110n	850m	0.0	5.0	.80	2.0	10m	.50	0	7			B223	ML239																																								
65	6276D	2048	8	SC	BDT	110n	850m	0.0	5.0	.80	2.0	10m	.50	0	7			B223	ML207d																																								
66	6276J	2048	8	SC	BDT	110n	850m	0.0	5.0	.80	2.0	10m	.50	0	7			B223	ML239																																								
67	5275D	2048	8	SC	BDT	120n	850m	0.0	5.0	.80	2.0	8.0m	.50	5	C			B223	ML207d																																								
68	5275J	2048	8	SC	BDT	120n	850m	0.0	5.0	.80	2.0	8.0m	.50	5	C			B223	ML239																																								
69	5276D	2048	8	SC	BDT	120n	850m	0.0	5.0	.80	2.0	8.0m	.50	5	C			B223	ML207d																																								
70	5276J	2048	8	SC	BDT	120n	850m	0.0	5.0	.80	2.0	8.0m	.50	5	C			B223	ML239																																								
71	DM8531D	2048	8	SC	BTX	300n	575m	1	5.0	.80	2.0	6.0m	.40	0	7			B169	ML184																																								
72	DM8531J	2048	8	SC	BTX	450n	800m	0.0	5.0	.80	2.0	6.0m	.45	0	7			B169	ML183a																																								
73	DM8531N	2048	8	SC	BTX	450n	800m	0.0	5.0	.80	2.0	6.0m	.45	0	7			B169	ML183																																								
74																																																											

3. READ ONLY MEMORIES (ROMS)

IN ORDER OF (1)NO.WDS(2)NO.BITS/WD(3)OP.MODE
PRG.CODE(4)STRUCT.(5)MAX ACC.TIME(6)TYPE No.

LINE No.	TYPE No.	ORGANIZATION				MAX ACCESS TIME (s)	MAX OPER. POWER DISS. (W)	RATED POWER SUP. SPAN		INPUT LOGIC LEVELS		MIN OUTPUT SINK CURRENT		OPER. TEMP. RANGE CODE	GENERAL DESCRIPTION	DRAWINGS			
		1 No. WORDS	2 BITS PER WORD	3 MODE PROG CODE	4 OP STRUCTURE CODE			NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)	(A)	@ OUT (V)			-	+	LOGIC/BLOCK	OUTLINE
1	B2716-1	2048	8	SE	350n	525m	0.0	5.0	.80	2.0	2.1m	.45	0	7	EPROM	B297a	ML267		
2	B2716-2	2048	8	SE	390n	525m	0.0	5.0	.80	2.0	2.1m	.45	0	7	EPROM	B297a	ML267		
3	B2716	2048	8	SE	450n	525m	0.0	5.0	.80	2.0	2.1m	.45	0	7	EPROM	B297a	ML267		
4#	UPD2716D	2048	8	SE	450n	525m	0.0	5.0	.80	2.0	10uΔ	5.2	1	7	EPROM				
5	ID8755A-8	2048	8	SE	750n	1.5	0.0	5.0	.80	2.0	10uΔ		4	8	IPROM	B467	FL58		
6	HM9-7616-5	2048	8	SE	60n	900m	0.0	5.0	.80	2.0s	16m	.50	0	7	PROM	B395a	FL58		
7	HM9-76160-5	2048	8	SE	60n	900m	0.0	5.0	.80	2.0Δ	16m	.50	0	7	PROM	B395	FL58		
8	HM9-76161-5	2048	8	SE	60n	900m	0.0	5.0	.80	2.0s	16m	.50	0	7	PROM	B395	FL58		
9	29680DC	2048	8	SE	80n	900m	0.0	5.0	.80	2.0Δ	16m	.50	0	7	PROM	B398	ML		
10	29682DC	2048	8	SE	85n	900m	0.0	5.0	.80	2.0Δ	16m	.50	0	7	PROM:Pwr Sw	B398	ML		
11	29680DM	2048	8	SE	100n	900m	0.0	5.0	.80	2.0Δ	16m	.50	5	5	PROM	B398	ML		
12	29682DM	2048	8	SE	105n	900m	0.0	5.0	.80	2.0Δ	16m	.50	5	5	PROM:Pwr Sw	B398	ML		
13	MM1-PROM	2048	8	SE	MNG	4.5	12	5.0	.80	2.0					EPROM				
14	MM2758-1	2048	8	SE	MNG	350n	525m	0.0	5.0	.80	2.0s	2.1m	.45	0	7	EPROM	B288	ML378	
15	TMS2516-35JDL	2048	8	SE	MNG	350n	525m	0.0	5.0	.80	2.0s	2.1m	.45	0	7	EPROM	B225a	ML207k	
16	C2716	2048	8	SE	MNG	450n	500m	0.0	5.0	.80	2.0	2.1m	.45	0	7	EPROM	B298	ML360b	
17	MCM2717L	2048	8	SE	MNG	450n	1.8	5.0	.65	2.2s	1.6m	.45	0	7	EPROM	B289a	ML224		
18	MM2716	2048	8	SE	MNG	450n	525m	0.0	5.0	.80	2.0s	2.1m	.45	0	7	EPROM	B288	ML378	
19	MM2758	2048	8	SE	MNG	450n	525m	0.0	5.0	.80	2.0s	2.1m	.45	0	7	EPROM	B288	ML378	
20#	SAB2716	2048	8	SE	MNG	450n	525m	0.0	5.0	.80	2.2s	2.1m	.45	0	7	EPROM	B297a	ML	
21	TMS2516JDL	2048	8	SE	MNG	450n	560m	0.0	5.0	.80	2.0s	2.1m	.45	0	7	EPROM	B226a	ML207k	
22	TMS2716C	2048	8	SE	MNG	450n	1.0	5.0	.65	3.8s	1.6m	.45	0	7	EPROM	B298	ML374		
23	TMS2716JDL	2048	8	SE	MNG	450n	714m	5.0	12	.65	2.4s	1.6m	.45	0	7	EPROM	B269	ML207k	
24	S4716	2048	8	SE	MNX	250n	525m	0.0	5.0						EPROM	A459a	ML		
25	EA4800#1	2048	8	SS	MPX	1.2u	525m	12	5.0	3.5	.60	1.6m	.40	0	7		B94	ML41	
26	EA4800#2	2048	8	SS	MPX	1.2u	525m	12	5.0	3.5	.60	1.6m	.40	0	7		B94	ML3a	
27	MCM4C2048-10	2048	10	SC	MXX	330n	9.5	12	12	.40	2.5	1.6m	.40	0	7		B54	PL4	
28	MCS2008	2560	1	SC	MPN	800n	450m	12	5.0	.80	3.5			2	8		PN24ab	ML	
29	S4532	4096	1	SC	MNX	250n		0.0	5.0						EPROM	A459	ML		
30	GER542W1#1	4096	1	SC	MXR	500n	350m	12	5.0	1.0	4.0					B8c	ML30		
31	UA2596D4#4	4096	1	SC	MXX	900n	600m	20	0.0	.80	2.7	1.6m	.40	5	C	B9c	ML31a		
32	UA2596D8#4	4096	1	SC	MXX	900n	600m	20	0.0	.80	2.7	1.6m	.40	5	C	B9c	ML32		
33	UA3596D4#4	4096	1	SC	MXX	900n	600m	20	0.0	.80	2.7	1.6m	.40	2	7		B9c	ML31a	
34	UA3596D8#4	4096	1	SC	MXX	900n	600m	20	0.0	.80	2.7	1.6m	.40	2	7		B9c	ML32	
35	TMS4300JC#1	4096	1	SC	MXX	2.0u	250m	12	12	-3.0	-9.0	2.0m	-2.0	2	8		B58c	ML47b	
36	MK2800OP#2	4096	4	DC	MPI	600n	340m	12	5.0	.80	-1.5	10u#Δ		0	7		B94	ML191	
37	EA4600C#3	4096	4	SC	MNA	550n	800m	0.0	5.0	.40	2.4	1.6m	.40	0	7		B94a	ML168	
38	EA4600C#4	4096	4	SC	MNA	550n	1.2	0.0	5.0	.40	2.4	1.6m	.40	0	7		B94a	ML187	
39	EA4600M#3	4096	4	SC	MNA	750n	800m	0.0	5.0	.40	2.4	1.6m	.40	5	C		B94a	ML168	
40	EA4600M#4	4096	4	SC	MNA	750n	1.2	0.0	5.0	.40	2.4	1.6m	.40	5	C		B94a	ML187	
41	EA4600C#3	4096	4	SC	MNA	800n	800m	0.0	5.0	.40	2.4	1.6m	.40	0	7		B94a	ML168	
42	EA4600C#4	4096	4	SC	MNA	800n	1.2	0.0	5.0	.40	2.4	1.6m	.40	0	7		B94a	ML187	
43	E2317	4096	4	SC	MNG	2.0u	150m	0.0	5.0	.65	2.2	1.6m	.45	0	7		B78a	ML	
44	MM5247J	4096	4	SC	MNX	450n	650m	0.0	5.0	.65	2.0s	3.2m	.40	0	7	ROM	B363	ML183a	
45	MM5247N	4096	4	SC	MNX	450n	650m	0.0	5.0	.65	2.0s	3.2m	.40	0	7	ROM	B363	ML183	
46	M84247J	4096	4	SC	MNX	575n	650m	0.0	5.0	.65	2.0s	3.2m	.40	5	C	ROM	B363	ML183a	
47	S8996#1	4096	4	SC	MPI	1.5u	240m	12	5.0	.90	3.5			0	6	Random PR	A146	ML34d	
48	S8996#2	4096	4	SC	MPI	1.5u	240m	12	5.0	.90	3.5			0	6	Random PR	A146	ML155	
49	TMS4800JL#2	4096	4	SC	MPX	700n	450m	12	5.0	.60	3.5	50u	.40	0	7		B94	ML207	
50	TMS4800NL#2	4096	4	SC	MPX	700n	450m	12	5.0	.60	3.5	50u	.40	0	7		B94	ML72b	
51	EA4900L#1	4096	4	SC	MPX	1.3u	800m	12	5.0	.60	3.5	1.6m	.40	5	A		B94a	ML168	
52	EA4900L#2	4096	4	SC	MPX	1.3u	1.2	12	5.0	.60	3.5	1.6m	.40	5	A		B94a	ML187	
53	EA4800#3	4096	4	SS	MPX	1.2u	525m	12	5.0	3.5	.60	1.6m	.40	0	7		B94	ML41	
54	EA4800#4	4096	4	SS	MPX	1.2u	525m	12	5.0	3.5	.60	1.6m	.40	0	7		B94	ML3a	
55#	M58332-XXXP	4096	8			600n		0.0	5.0	.80	2.2	2.0m	.45	0	7				
56	EA3200	4096	8	DC		300n	500m	5.0	12	.80	2.2	3.2m	.40	0	7		B229	ML	
57#	SAB8332	4096	8	S	MNG	450n	1.0	0.0	5.0	.80	2.2s	3.2m	.40	0	7		B226	ML183	
58	MCS2029	4096	8	S	MPX	800n	456m	12	5.0	.60	-1.5					B160	ML		
59	MK3200OP-5	4096	8	SC	MNG	300n	200m	0.0	5.0	.80	2.0s			0	7		B261	ML191	
60#	HN46532-2	4096	8	SC	MNG	450n	440m	0.0	5.0	.80	2.0	1.6m	.40	0	7		B247	ML32c	
61	TMS4732JDL	4096	8	SC	MNG	450n	787m	0.0	5.0	.65	2.0s	2.0m	.40	0	7		B226	ML207k	
62	TMS4732JL	4096	8	SC	MNG	450n	580m	0.0	5.0	.65	2.0s	2.0m	.40	0	7		B226	ML207	
63#	HN46532-3	4096	8	SC	MNG	650n	440m	0.0	5.0	.80	2.2	1.6m	.40	0	7		B247	ML32c	
64	D2332	4096	8	SC	MNX			0.0	5.0	.80	2.0s					ROM	B299	ML133c	
65	P2332	4096	8	SC	MNX			0.0	5.0	.80	2.0s					ROM	B299	ML183b	
66	EA3200DC	4096	8	SC	MNX	350n	500m	5.0	12	.80	2.4s	2.1m	.45	0	7		B257	ML218a	
67	C2732	4096	8	SE	MNG	450n	750m	0.0	5.0	.80	2.0s	2.1m	.45	0	7	EPROM	B299	ML360b	
68	TMS25132JDL	4096	8	SE	MNG	450n	500m	0.0	5.0	.80	2.0s	2.1m	.45	0	7	EPROM	B225b	ML207k	
69	TMS2532JDL	4096	8	SE	MNG	450n	910m	0.0	5.0	.65	2.2s	2.1m	.45	0	7	EPROM	B226b	ML207k	
70	B2608	8192	1	SC	MXX	450n	800m	5.0	12	.65	3.0s	1.6m	.45	0	7	PROM	B296	ML267	
71	82S183F	8192	8	SC		60n	85u%	0.0	5.0	.85	2.0s	40u#	.50	0	7	PROM,	B425	ML	
72#	HN46364	8192	8	SC	MNG	350n	400m	0.0	5.0	.80	2.0s	10uΔ	.40	2	7	ROM	B328	ML	
73	D2364	8192	8	SC	MNX			0.0	5.0	.80	2.0s					ROM	B300	ML268	
74	P2364	8192	8	SC	MNX			0.0	5.0	.80	2.0s					ROM	B300	ML269	
75	S4264	8192	8	SC	MXX	350n	725m	0.0	5.0	.80	2.2s	8.0m	.40	0	7	VMOS ROM	B399	ML	
76	N82S191-I	8192	8	SE	BTD	80n	40u%	0.0	5.0	.85	2.0s	40uΔ	5.5	0	7	PROM	B305	ML	
77	5260D	9216	9		BXD	150n	450m	0.0	5.0	.80	2.0	6.0m	.50	5	C		B128	ML47c	
78	6260D	9216	9		BXD	150n	450m	0.0	5.0	.80	2.0	6.0m	.50	0	7		B128	ML47c	

MEMORY

4. CHARACTER GENERATORS

IN ORDER OF (1)USE CODE(2)No.CHARACTERS
(3)NO.BITS/CHAR(4)STRUCTURE(5)ACCESS(6)TYPE NO.

LINE No.	TYPE No.	USE CODE	No. CHARACTERS	BITS PER CHAR.	No. OUT-PUTS	STRUC TURE CODE	MAX ACCESS TIME (s)	MAX OPER. POWER DISS. (W)	RATED POWER SUP. SPAN		INPUT LOGIC LEVELS		MIN OUTPUT SINK CURRENT		TEMP. RANGE	DRAWINGS		
									NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)	(A)	@ OUT (V)		LOGIC/ BLOCK	OUTLINE	
1	EA3701	DAC	64	35	7	MPX	1.5u	100m	13	0.0	-2.0	-9.0				C4	ML41	
2	TMS4710JL	DAC	128	35	8	MNG	450n	310m	5.0	12	.80	3.3s	2.0m	.45	0	7	C70	ML207
3	TMS4710NL	DAC	128	35	8	MNG	450n	310m	5.0	12	.80	3.3s	2.0m	.45	0	7	C70	ML22b
4	S8327	DAR	64	35	5	MPX	300n	465m	12	5.0	5.0	3.7			0	7	C1	ML21c
5	EA3501	DAR	64	35	5	MPX	850n	90m	13	0.0	-2.0	-9.0			0	7	C3	ML41
6	EA3513	DAR	64	35	5	MPX	850n	90m	13	0.0	-2.0	-9.0			0	7	C3	ML41
7	HROM2561-2	DAR	64	35	5	MPX	600n	50m	0.0	10	.40	4.0	3.3m	2.4	5	5	C	C29
8	EA3001#1	DAS	64	17	9	MPX	1.0u	90m	14	0.0	-9.0	-2.0			5	8	B	B122
9	FDR106Z1#1	DAS	64	17	9	MPX	1.0u	90m	14	0.0	-9.0	-2.0			5	8	B	B122
10	1311	DAT	64	35	5	MPG	400n	560m	9.0	5.0	-4.2	-2.0	1.6m	.45	0	7	C23	
11	FDR106Z1#2	DAT	64	22	4	MPX	1.0u	90m	14	0.0	-9.0	-2.0			5	8	B	B122
12	MCS2024#1	DCC	128	63	9	MPX	160n	300m	5.0	5.0	.80	3.5	1.6m	.40	2	2	C	C44
13	MCS2020#1	DCR	32	70	7	MPX	160n	200m	5.0	5.0	.80	3.5	1.6m	.40	2	2	C	C34
14	MCS2018#1	DCR	32	120	10	MPX	160n	200m	5.0	5.0	.80	3.5	1.6m	.40	2	2	C	C33
15	MCS2017#1	DCR	64	63	7	MPX	160n	200m	5.0	5.0	.80	3.5	1.6m	.40	2	2	C	C32
16	MCS2025#1	DCR	64	120	10	MPX	160n	300m	5.0	5.0	.80	3.5	1.6m	.40	2	2	C	C45
17	MCS2022#1	DCR	128	63	7	MPX	160n	300m	5.0	5.0	.80	3.5	1.6m	.40	2	2	C	C43
18	FDR106Z1#3	DNS	14	7	7	MPX	1.0u	90m	14	0.0	-9.0	-2.0			5	8	B	B122
19	MCM1130L#2	SAC	32	70	14	MPX	500n	400m	14	14	0.0	-1.6	1.0u		2	2	C	C10a
20	MK2000P#2	SAC	32	70	14	MPX	700n	84m	28	0.0	-3.0*	-1.1#	2.0m	-2.0	2	2	C	ML96
21	MK2002P#2	SAC	32	70	14	MPX	700n	435m	14	0.0	0.0†	-1.1#			2	2	C	ML29
22	MCS1004	SAC	64	35	7	MPC	950n	450m	12	12	-3.0	-9.0			2	2	C	C28a
23	MCS1005	SAC	64	35	7	MPC	950n	450m	12	12	-3.0	-9.0			2	2	C	C28b
24	MCS2028	SAC	64	35	7	MPC	950n	450m	12	5.0	.80	3.5	1.6m	.40	2	2	C	
25	MCS2001	SAC	64	35	7	MPN	800n	450m	12	5.0	.80	3.5	1.6m	.40	2	2	C	PN24y
26	MCM1130L#1	SAC	64	35	7	MPX	500n	400m	14	14	0.0	-1.6	1.0u		2	2	C	ML95
27	MCM1131L	SAC	64	35	7	MPX	500n	400m	14	14	0.0	-1.6	1.0u		2	2	C	ML95
28	MCM1132L	SAC	64	35	7	MPX	500n	400m	14	14	0.0	-1.6	1.0u		2	2	C	C28
29	MK2000P#1	SAC	64	35	7	MPX	700n	84m	28	0.0	-3.0*	-1.1#	2.0m	-2.0	2	2	C	ML96
30	MK2002P	SAC	64	35	7	MPX	700n	84m	28	0.0	-3.0*	-1.1#	2.0m	-2.0	2	2	C	ML29
31	MK2002P#1	SAC	64	35	7	MPX	700n	435m	14	0.0	0.0†	-1.1#			2	2	C	ML29
32	TMS4103JC	SAC	64	35	7	MPX	700n	400m	28	0.0	-3.0	-9.0			2	2	C	ML211
33	TMS4103NC	SAC	64	35	7	MPX	700n	400m	28	0.0	-3.0	-9.0			2	2	C	ML83b
34	UC7541-03	SAC	64	35	7	MPX	700n	200m	12	5.0	-3.0	-1.1	2.0m	-4.0	2	2	C	ML24
35	RO3-2516	SAC	64	35	8	MNI	500n	150m	0.0	5.0	.65	2.2s	1.6m	.45	0	7	C	C60a
36	S8771D	SAC	64	63	10	MPX	450n	12	12	5.0	4.0				5	8	B	E109a
37	EA4001	SAC	64	63	9	MPX	725n	80u	3.0	12	12	10			5	8	B	C5
38	NC6591P#7	SAC	128	49	7	MNA	800n	405m	5.0	12	.80	3.0	1.6m	.40	0	7	C	B144
39	NC6581P	SAC	128	63	9	MNA	400n	700m	3.0	12	.80	3.0	1.6m	.40	0	7	C	ML30g
40	NC6583P	SAC	128	63	9	MNA	400n	700m	3.0	12	.80	3.0	1.6m	.40	0	7	C	ML30g
41	CM2900-01%	SAR	32	35	5	BTX	40n	600m	0.0	5.0	.80	2.0	1.6m	.40	0	7	C	PN24fg
42	CM2900-02%	SAR	32	35	5	BTX	40n	600m	0.0	5.0	.80	2.0	1.6m	.40	0	7	C	PN24fg
43	CM2901CDE0005	SAR	32	35	5	BTX	80n	500m	0.0	5.0	.80	2.0	1.6m	.40	0	7	C	ML84a
44	CM2901CDE0008	SAR	32	35	5	BTX	80n	500m	0.0	5.0	.80	2.0	1.6m	.40	0	7	C	ML84a
45	S8614#3	SAR	64	7	5	MPI	500n	595m	12	5.0	.60	3.7			0	7	C	ML23b
46	S8866	SAR	64	7	9	MPI	450n	1.0	12	5.0	.60	4.0	1.6m	.40	0	7	C	ML13b
47	MF7107	SAR	64	9	7	MPG	350n	1.0	9.0	5.0	.80	3.0	1.6m	.40	0	7	C	ML8
48	S8564#2	SAR	64	9	7	MPI	450n	1.0	12	5.0	.60	4.0	1.6m	.40	0	7	C	ML13b
49	S8564A	SAR	64	9	7	MPI	450n	1.0	12	5.0	.60	4.0	1.6m	.40	0	7	C	ML13b
50	MK2408P	SAR	64	35	10	MPI	600n	425m	12	5.0	.80	-1.5	1.6m	.40	0	7	C	ML29
51	ME511	SAR	64	35	5	MPI	600n	254m	8.9	12	4.0	-2.4			0	7	C	ML44
52	S8773B	SAR	64	35	5	MPI	550n	595m	12	5.0	.60	3.7			0	6	C	C48
53	CRC3504-1-2	SAR	64	35	5	MPN	800n	400m	12	5	.50	4.3	2.0m	.40	2	2	C	ML13
54	CRC3504-2-2	SAR	64	35	5	MPN	800n	400m	12	5	.50	4.3	2.0m	.40	2	2	C	FL4
55	CRC3505-1-2	SAR	64	35	5	MPN	800n	400m	12	5	.50	4.3	2.0m	.40	2	2	C	ML13
56	CRC3505-2-2	SAR	64	35	5	MPN	800n	400m	12	5	.50	4.3	2.0m	.40	2	2	C	FL4
57	MCS2000	SAR	64	35	5	MPN	800n	450m	12	5.0	.80	3.5			2	2	C	PN24z
58	EA4501	SAR	64	35	5	MPX	725n	12	12	12	10	3.0	1.6m	.40	5	8	C	C5a
59	EA4501-1	SAR	64	35	5	MPX	600n	12	12	12	10	3.0	1.6m	.40	5	8	C	ML116
60	EA4501SJ1	SAR	64	35	5	MPX	600n	12	12	12	10	3.0	1.6m	.40	0	7	C	ML116
61	EA4501SJ	SAR	64	35	5	MPX	725n	12	12	12	10	3.0	1.6m	.40	0	7	C	ML116
62	GER543W1	SAR	64	35	5	MPX	500n	350m	5.0	5.0	1.0	4.0			0	7	C	ML30
63	MCM1121L	SAR	64	35	5	MPX	700n	450m	28	0.0	-9.0	-2.5	1.0u	-14	2	2	C	ML96
64	MCM1122L	SAR	64	35	5	MPX	700n	450m	28	0.0	-9.0	-2.5	1.0u	-14	2	2	C	ML96
65	MK2101P	SAR	64	35	5	MPX	550n	600m	15	12	-2.0*	-1.0#	6.0	-12	2	2	C	ML22
66	MK3101P	SAR	64	35	5	MPX	550n	600m	15	12	-2.0*	-1.0#	6.0	-12	2	2	C	ML21
67	TMS2403JC	SAR	64	35	5	MPX	1.0u	350m	12	12	-3.0	-9.0			2	2	C	ML49
68	TMS2501JC	SAR	64	35	5	MXX	400n	400m	12	5.0	1.0	3.5	3.2m	.80	2	2	C	B64
69	TMS2501NC	SAR	64	35	5	MXX	400n	400m	12	5.0	1.0	3.5	3.2m	.80	2	2	C	B64
70	UA3540D4	SAR	64	35	5	MXX	600n	540m	15	5.0	.80	2.6	2.0u	5.0*	2	7	C	B9p
71	UA3540D8	SAR	64	35	5	MXX	600n	540m	15	5.0	.80	2.6	2.0u	5.0*	2	7	C	B9h
72	MK2302P	SAR	64	35	7	MPI	1.0u	40m	12	5.0	.60	3.5	2.0m	.40	0	7	C	ML21
73	TMS4177JC	SAR	64	35	7	MPX	700n	400m	28	0.0	-3.0	-9.0			2	2	C	ML49a
74	TMS4177JC%	SAR	64	35	7	MPX	700n	400m	28	0.0	-3.0	-9.0			2	2	C	ML49a
75	TMS4177NC%	SAR	64	35	7	MPX	700n	400m	28	0.0	-3.0	-9.0			2	2	C	ML83
76	TMS4178JC	SAR	64	35	7	MPX	700n	400m	28	0.0	-3.0	-9.0			2	2	C	ML49a
77	TMS4178JC%	SAR	64	35	7	MPX	700n	400m	28	0.0	-3.0	-9.0			2	2	C	ML49a
78	TMS4178NC%	SAR	64	35	7	MPX	700n	400m	28	0.0	-3.0	-9.0			2	2	C	ML83
79	DM7678J	SAR	64	63	1	BTX	50n	500m	0.0	5.0	.40	2.4	16m	.40	5	5	C	C68
80	DM7679J	SAR	64	63	1	BTX	50n	500m	0.0	5.0	.40	2.4	16m	.40	5	5	C	ML127f
81	DM8679J	SAR	64	63	1	BTX	50n	500m	0.0	5.0	.40	2.4	16m	.40	0	7	C	C69
82	DM8679N	SAR	64	63	1	BTX	50n	500m	0.0	5.0	.40	2.4	16m	.40	0	7	C	ML173
83	MM4220NPJ	SAR	64	63	7	MPX	650n	300m	12	12	10*	4.0#			5	5	C	B26a
84	MM4230NNJ	SAR																

4. CHARACTER GENERATORS

IN ORDER OF (1)USE CODE(2)No.CHARACTERS
(3)NO.BITS/CHAR(4)STRUCT(5)ACCESS(6)TYPE NO.

LINE No.	TYPE No.	1 USE CODE	2 No. CHARACTERS	3 BITS PER CHAR.	4 No. OUT-PUTS	5 STRUCTURE CODE	MAX ACCESS TIME (s)	MAX OPER. POWER DISS. (W)	RATED POWER SUP. SPAN		INPUT LOGIC LEVELS		MIN OUTPUT SINK CURRENT		OPER. TEMP. RANGE CODE	DRAWINGS		
									NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)	(A)	@ OUT (V)		LOGIC/ BLOCK	OUTLINE	
																		-
1	MCM6575L	SARΔ#	128	63	7	MNX	500n	800m	3.0	12	80	4.0	1.6m	.40	0	7	C72a	ML150a
2	MCM6575P	SARΔ#	128	63	7	MNX	500n	800m	3.0	12	80	4.0	1.6m	.40	0	7	C72a	ML39
3	MCM6576L	SARΔ#	128	63	7	MNX	500n	800m	3.0	12	80	4.0	1.6m	.40	0	7	C72a	ML150a
4	MCM6576P	SARΔ#	128	63	7	MNX	500n	800m	3.0	12	80	4.0	1.6m	.40	0	7	C72a	ML39
5	MCM6577L	SARΔ#	128	63	7	MNX	500n	800m	3.0	12	80	4.0	1.6m	.40	0	7	C72a	ML150a
6	MCM6577P	SARΔ#	128	63	7	MNX	500n	800m	3.0	12	80	4.0	1.6m	.40	0	7	C72a	ML39
7	MCM6578L	SARΔ#	128	63	7	MNX	500n	800m	3.0	12	80	4.0	1.6m	.40	0	7	C72a	ML150a
8	MCM6578P	SARΔ#	128	63	7	MNX	500n	800m	3.0	12	80	4.0	1.6m	.40	0	7	C72a	ML39
9	MCM6579L	SARΔ#	128	63	7	MNX	500n	800m	3.0	12	80	4.0	1.6m	.40	0	7	C72a	ML150a
10	MCM6579P	SARΔ#	128	63	7	MNX	500n	800m	3.0	12	80	4.0	1.6m	.40	0	7	C72a	ML39
11	TMS4886JC	SAS	64	25	5	MPX	800n∅	450m∅	12	12	-3.0	-9.0	1.6m	.45	2	8	C21	ML14
12	1312	SAS	64	35	5	MPG	900n	700m	9.0	5.0	-4.2	-2.0	1.6m	.45	0	7	C24	
13	1313	SAS	64	35	5	MPG	900n	700m	9.0	5.0	-4.2	-2.0	1.6m	.45	0	7	C25	ML2a
14	S8499#2	SAS	64	35	7	MPA	2.0u	650m	13	13	4.0	1.1			0	7	B92	ML13b
15	TMS4100JC	SCA	64	35	7	MPX	950n	450m	28	0.0	-1.0	-3.0	10u	-14	2	8	C16	ML211
16	TMS4100NC	SCA	64	35	7	MPX	950n	450m	28	0.0	-1.0	-3.0	10u	-14	2	8	C16	ML83b
17	5299	SCA	128	81	9	BTX	175n	450m†	0.0	5.0	80	2.0	6.0m	.50	5	7	C	PN24fj
18	6299	SCA	128	81	9	BTX	175n	450m†	0.0	5.0	80	2.0	6.0m	.50	0	7	C	PN24fj
19#	MP301B#2	SCC	32	70	14	MXX	600n∅	600m∅	12	0.0			10u#	.12	2	7	C2a	ML47c
20	MCS1004A	SCC	64	35	7	MPC	700n∅	350m∅	28	0.0	-3.0	-9.0			2	8	C28a	ML13
21#	MP301B#1	SCC	64	35	7	MXX	600n∅	500m∅	12	0.0			10u#	.12	2	7	C2	ML13
22	MM4241D	SCC	64	48	8	MPX	900n∅	629m∅	12	5.0	1.0	3.0#	1.6m	.40	5	7	C	C42
23	MM4241J	SCC	64	48	8	MPX	900n∅	629m∅	12	5.0	1.0	3.0#	1.6m	.40	5	7	C	C42
24	MM4241N	SCC	64	48	8	MPX	900n∅	629m∅	12	5.0	1.0	3.0#	1.6m	.40	5	7	C	C42
25	MM5241D	SCC	64	48	8	MPX	900n∅	629m∅	12	5.0	1.0	3.0#	1.6m	.40	2	7	C	C42
26	MM5241J	SCC	64	48	8	MPX	900n∅	629m∅	12	5.0	1.0	3.0#	1.6m	.40	2	7	C	C42
27	MM5241N	SCC	64	48	8	MPX	900n∅	629m∅	12	5.0	1.0	3.0#	1.6m	.40	2	7	C	C42
28	NC6580P	SCC	128	63	9	MNA	400n	700m†	3.0	12	80	3.0	1.6m	.40	0	7	C51	ML30g
29	MCM1120L	SCR	64	35	5	MPX	700n∅	450m†	28	0.0	-9.0	-2.5	1.0uΔ	-14	2	8	C27	ML96
30	TMS2400JC	SCR	64	35	5	MPX	1.2u∅	450m†	28	0.0	-3.0	-9.0	500u∅	-.70	2	8	C6	ML49a
31	TMS2400NC	SCR	64	35	5	MPX	1.2u∅	450m†	28	0.0	-3.0	-9.0	500u∅	-.70	2	8	C6	ML83
32	MM4240D	SCR	64	40	5	MPX	600n∅	480m∅	12	12	10*	4.0#			5	7	C	PN24fh
33	MM4240J	SCR	64	40	5	MPX	500n∅	480m∅	12	12	10*	4.0#			5	7	C	PN24fh
34	MM5240D	SCR	64	40	5	MPX	600n∅	480m∅	12	12	10*	4.0#			2	7	C	PN24fh
35	MM5240J	SCR	64	40	5	MPX	500n∅	480m∅	12	12	10*	4.0#			2	7	C	PN24fh
36	MM5240N	SCR	64	40	5	MPX	500n∅	480m∅	12	12	10*	4.0#			2	7	C	PN24fh
37	MK2300P	SCR	64	70	10	MPI	1.0u∅	40m	12	5.0	.60	3.5	2.0m	.40	0	7	C12	ML21
38	5297	SCR	128	63	7	BTX	175n	450m†	0.0	5.0	80	2.0	6.0m	.50	5	7	C	PN24fi
39	6297	SCR	128	63	7	BTX	175n	450m†	0.0	5.0	80	2.0	6.0m	.50	0	7	C	PN24fi
40	NC6570AL	SCR	128	63	7	MNA	400n	600m†	5.0	12	80	3.0	1.6m	.40	0	7	C50	ML30g
41	NC6570AP	SCR	128	63	7	MNA	400n	600m†	5.0	12	80	3.0	1.6m	.40	0	7	C50	ML30g
42	NC6570P	SCR	128	63	7	MNA	500n	600m†	3.0	12	80	3.0	1.6m	.40	0	7	C50	ML150c
43	MCM66700L	SCRΔ	128	63	7	MNG	350n	525m	0.0	5.0	80	2.0	1.6m	.40	0	7	C72	ML150a
44	MCM6670L	SCRΔ	128	63	7	MNX	500n	800m	3.0	12	80	4.0	1.6m	.40	0	7	C72a	ML150a
45	MCM6670P	SCRΔ	128	63	7	MNX	500n	800m	3.0	12	80	4.0	1.6m	.40	0	7	C72a	ML39
46	TMS4179JC	SEC	64	35	7	MPX	700n∅	400m∅	28	0.0	-3.0	-9.0			2	8	C16	ML49
47	TMS4179NC	SEC	64	35	7	MPX	700n∅	400m∅	28	0.0	-3.0	-9.0			2	8	C16	ML83
48	UC7541-79	SEC	64	35	7	MPX	700n∅	200m†	12	12	-3.0	-11	2.0m	-4.0	2	8	C16	ML24
49	EA4016	SEC	64	80	10	MPX	725n	450m	12	12	10	3.0	1.6m	.40	5	8	C41a	ML41
50	MM4240ACAJ	SER	64	40	5	MPX	500n∅	504m∅	12	12	10*	4.0#			5	7	C	PN24fh
51	MM5240ABZJ	SER	64	40	5	MPX	500n∅	504m∅	12	12	10*	4.0#			2	7	C	PN24fh
52	MM5240ACAJ	SER	64	40	5	MPX	500n∅	504m∅	12	12	10*	4.0#			2	7	C	PN24fh
53	MM5240ACAN	SER	64	40	5	MPX	500n∅	504m∅	12	12	10*	4.0#			2	7	C	PN24fh
54	TMS2404JC	SER	66	35	5	MPX	1.0u	350m†	12	12	-3.0	-9.0			2	8	C6	ML49
55	MM5240ABUN	SHR	64	40	7	MPX	500n∅	504m∅	12	12	10*	4.0#			2	7	C	PN24fh
56	MCM66710L	SPR∅Δ	128	63	7	MNG	350n	525m	0.0	5.0	80	2.0	1.6m	.40	0	7	C72	ML150a
57	MCM66714L	SPR∅Δ	128	63	7	MNG	350n	525m	0.0	5.0	80	2.0	1.6m	.40	0	7	C72	ML150a
58	MCM66720L	SPR∅	128	63	7	MNG	350n	525m	0.0	5.0	80	2.0	1.6m	.40	0	7	C72	ML150a
59	MCM66730L	SPR∅	128	63	7	MNG	350n	525m	0.0	5.0	80	2.0	1.6m	.40	0	7	C72	ML150a
60	MCM66740L	SPRΔ	128	63	7	MNG	350n	525m	0.0	5.0	80	2.0	1.6m	.40	0	7	C72	ML150a
61	MCM66750L	SPRΔ	128	63	7	MNG	350n	525m	0.0	5.0	80	2.0	1.6m	.40	0	7	C72	ML150a
62	MCM66760L	SPRΔ	128	63	7	MNG	350n	525m	0.0	5.0	80	2.0	1.6m	.40	0	7	C72	ML150a
63	MCM66770L	SPRΔ	128	63	7	MNG	350n	525m	0.0	5.0	80	2.0	1.6m	.40	0	7	C72	ML150a
64	MCM66780L	SPRΔ	128	63	7	MNG	350n	525m	0.0	5.0	80	2.0	1.6m	.40	0	7	C72	ML150a
65	MCM66790L	SPRΔ	128	63	7	MNG	350n	525m	0.0	5.0	80	2.0	1.6m	.40	0	7	C72	ML150a

MEMORY

5. CONTENT ADDRESSABLE MEMORIES (CAMS)

IN ORDER OF (1)No.WDS(2)No.BITS/WD(3)MODE
(4)STRUCT.(5)MAX.SEARCH TIME(6)TYPE No.

MEMORY

LINE No.	TYPE No.	ORGANIZATION		MODE	STRUCTURE CODE	MAX SEARCH TIME (s)	MAX ACCESS TIME (s)	MAX WRITE CYCLE TIME (s)	MAX OPER. POWER DISS. (W)	RATED POWER SUP.		INPUT LOGIC LEVELS		MIN OUTPUT SINK CURRENT		OPER. TEMP. RANGE CODE	DRAWINGS			
		1 No. WORDS	2 BITS PER WORD							NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)	(A)	@ OUT (V)		-	+	LOGIC/BLOCK	OUTLINE
1	MC1682L	2	2	5	BEX	4.0n \emptyset		5.5n \emptyset	270m \emptyset	5.2	0.0	-1.6% \emptyset	-.96			0	7	D2a	ML60b	
2	MC1682S	2	2	5	BEX	4.0n \emptyset		5.5n \emptyset	390m \emptyset	5.2	0.0	-1.6%	-.96			0	7	D2	FL2	
3	MC1683L	2	2	5	BEX	4.0n \emptyset		5.5n \emptyset	470m \emptyset	5.2	0.0	-1.6%	-.96			0	7	D2a	ML5	
4	MC1683S	2	2	5	BEX	4.0n \emptyset		5.5n \emptyset	470m \emptyset	5.2	0.0	-1.6%	-.96			0	7	D2	FL2	
5	MC1684L	2	2	5	BEX	4.0n \emptyset		5.5n \emptyset	270m \emptyset	5.2	0.0	-1.6% \emptyset	-.96			0	7	D3a	ML60b	
6	MC1684S	2	2	5	BEX	4.0n \emptyset		5.5n \emptyset	390m \emptyset	5.2	0.0	-1.6%	-.96			0	7	D3	FL2	
7	MC1685L	2	2	5	BEX	4.0n \emptyset		5.5n \emptyset	470m \emptyset	5.2	0.0	-1.6%	-.96			0	7	D3a	ML5	
8	MC1685S	2	2	5	BEX	4.0n \emptyset		5.5n \emptyset	470m \emptyset	5.2	0.0	-1.6%	-.96			0	7	D3	FL2	
9	S8220B	4	4	5	BTX	30n	60n	590m	0.0	5.0	.40%		20m	.40		0	7	D4	ML85	
10	8222	4	4	5	BTX	50nt	35nt	65nt \S	300m	0.0	5.0	.40%		125u Δ	2.0 \S	5	C	D4		
11	N8222B	4	4	5	BTX	50nt	35nt	65nt \S	300m	0.0	5.0	.40%		125u Δ	2.0 \S	0	7	D4		
12	93402DC	4	4	5	BTX	25nt \emptyset	25nt \emptyset	33n \S \emptyset	656m	0.0	5.0	.85	2.0	10m	.45	0	7	D1	ML30c	
13 #	FJB83402	4	4	5	BTX	25nt \emptyset	25nt \emptyset	33n \S \emptyset	625m \S	0.0	5.0	.85	2.0	10m	.45	0	7	D1	ML118a	
14	TMS4000JC	16	8	5	MPX	80n	60n \emptyset	250nt	200m \emptyset	12	0.0					2	8	D5	ML14a	
15	TMS4000NC	16	8	5	MPX	80n	60n \emptyset	250nt	200m \emptyset	12	0.0					2	8	D5	ML80	

6. CODE CONVERTERS

IN ORDER OF(1)FROM CODE(2)TO CODE(3)No.WORDS
(4)No.INPUT BITS(5)No.OUTPUT BITS(6)TYPE No.

LINE No.	TYPE No.	CONVERSION CODE		3 No. WORDS	No. CODE BITS		MODE	STRUCTURE CODE	MAX ACCESS TIME (s)	MAX OPER. POWER (W)	RATED POWER SUP. SPAN		INPUT LOGIC LEVELS		MIN OUTPUT SINK CURRENT @ OUT		OPER. TEMP. RANGE CODE	DRAWINGS		
		1	2		4	5					NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)	(A)	(V)		LOGIC/BLOCK	OUTLINE	
		FRM	TO		IN	OUT														
1	N8224E	1	2	32	7	8	S	BTX	50n	400m	0.0	5.0	40%		9.6m	40	0	7	B67	ML61c
2	N8224R	1	2	32	7	8	S	BTX	50n	400m	0.0	5.0	40%		9.6m	40	0	7	B67	FL18
3	S8224E	1	2	32	7	8	S	BTX	50n	400m	0.0	5.0	40%		9.6m	40	5	C	B67	ML61c
4	S8224R	1	2	32	7	8	S	BTX	50n	400m	0.0	5.0	40%		9.6m	40	5	C	B67	FL18
5	MM4220EKJ#2	1	2	128	6	8	S	MPX	650n	300m	12	12	10*	4.0#			5	C	B26a	ML133a
6	MM5220EKJ#2	1	2	128	6	8	S	MPX	650n	300m	12	12	10*	4.0#			2	7	B26a	ML133a
7	MM5220EKN#2	1	2	128	6	8	S	MPX	650n	300m	12	12	10*	4.0#			2	7	B26a	ML183
8	MM5221RRJ	1	2	128	7	8	S	MPX	950n	204m	12	5.0	3.0*	.80#			0	7	B26a	ML133a
9	MM5221RRN	1	2	128	7	8	S	MPX	950n	204m	12	5.0	3.0*	.80#			0	7	B26a	ML183
10	NC6561P#6	1%	2	128	10	8	S	MNA	350n	600m	3.0	12	.80	3.0	1.6m	40	0	7	B121	ML30g
11	NC6591L#6	1%	2	128	11	8	S	MNA	800n	405m	3.0	12	.80	3.0	1.6m	40	0	7	B144	ML30g
12	NC6591P#6	1%	2	128	11	8	S	MNA	800n	405m	3.0	12	.80	3.0	1.6m	40	0	7	B144	ML30g
13#	MD5200-0004	1	2	256	4	4	S	BTX	50n	575m	0.0	5.5	.80	2.0	10m	40	5	C	B50	ML10a
14#	MD5200-0005	1	2	256	4	4	S	BTX	50n	575m	0.0	5.5	.80	2.0	10m	40	5	C	B50	ML10a
15#	MD6200-0004	1	2	256	4	4	S	BTX	50n	575m	0.0	5.5	.85	2.0	15m	45	0	7	B50	ML10a
16#	MD6200-0005	1	2	256	4	4	S	BTX	50n	575m	0.0	5.5	.85	2.0	15m	45	0	7	B50	ML10a
17	CRC3502-1-2	1	2	256	7	8	S	MPX	800n	400m	0.0	5.0	.50	4.3	2.0m	40	2	8	ML13c	ML13d
18	CRC3502-2-2	1	2	256	7	8	S	MPX	800n	400m	0.0	5.0	.50	4.3	2.0m	40	2	8	ML13c	FL4
19	CM2850CDE0017%	1	2	256	8	4	S	BTX	50n	500m	0.0	5.0	.80	2.0	16m	40	0	7	E7	
20	CM2850CDE0018%	1	2	256	8	4	S	BTX	50n	500m	0.0	5.0	.80	2.0	16m	40	0	7	E7	
21	HROM1024-2-0004	1	2	256	8	4	S	BTX	60n	650m	0.0	5.0	.85	2.0	15m	45	5	C	E11	ML15
22	HROM1024-2-0005	1	2	256	8	4	S	BTX	60n	650m	0.0	5.0	.85	2.0	15m	45	5	C	E11	ML15
23	HROM1024-5-0004	1	2	256	8	4	S	BTX	60n	650m	0.0	5.0	.85	2.0	15m	45	0	7	E11	ML15
24	HROM1024-5-0005	1	2	256	8	4	S	BTX	60n	650m	0.0	5.0	.85	2.0	15m	45	0	7	E11	ML15
25	HROM1024B2-0004	1	2	256	8	4	S	BTX	60n	500m	0.0	5.0	.85	2.0	15m	45	5	C		
26	HROM1024B2-0005	1	2	256	8	4	S	BTX	60n	500m	0.0	5.0	.85	2.0	15m	45	5	C		
27	HROM1024B5-0004	1	2	256	8	4	S	BTX	60n	500m	0.0	5.0	.85	2.0	15m	45	0	7		
28	HROM1024B5-0005	1	2	256	8	4	S	BTX	60n	500m	0.0	5.0	.85	2.0	15m	45	0	7		
29	MM4230QYJ	1	2	256	8	8	S	MPX	725n	960m	12	12	10*	4.0#			5	C	B26	ML133a
30	MM5230QYJ	1	2	256	8	8	S	MPX	725n	960m	12	12	10*	4.0#			0	7	B26	ML133a
31	MM5230QYN	1	2	256	8	8	S	MPX	725n	960m	12	12	10*	4.0#			0	7	B26	ML183
32	TMS2604JC#1	1	2	512	7	8	S	MXX	1.0u	180m	24	0.0	-3.0	-8.0			2	8	PN24w	ML47d
33	TMS2604NC#1	1	2	512	7	8	S	MXX	1.0u	180m	24	0.0	-3.0	-8.0			2	8	PN24w	ML72
34	EA3307#1	1	2	512	7	8	D	MPX	1.5u	300m	13	0.0	-2.0	-9.0			0	7	B36	ML41
35	MK2503P#1	1%	2	512	8	8	S	MPI	700n	476m	12	5.0	.40	2.4	1.6m	40	0	7	B73	ML21
36	MK2601P#1	1%	2	512	8	8	S	MPI	700n	476m	12	5.0	.40	2.4	1.6m	40	0	7	B99	ML21
37	EA4015#1	1	2	512	8	10	S	MPX	725n	450m	12	12	10	3.0	1.6m	40	5	8	E14	ML41
38	NC6561L#2	1%	3	128	10	8	S	MNA	350n	600m	3.0	12	.80	3.0	1.6m	40	0	7	B121	ML30g
39	NC6561P#2	1%	3	128	10	8	S	MNA	350n	600m	3.0	12	.80	3.0	1.6m	40	0	7	B121	ML30g
40	NC6591L#2	1%	3	128	11	8	S	MNA	800n	405m	3.0	12	.80	3.0	1.6m	40	0	7	B144	ML30g
41	NC6591P#2	1%	3	128	11	8	S	MNA	800n	405m	3.0	12	.80	3.0	1.6m	40	0	7	B144	ML30g
42	EA3101#1	1	3	256	7	7	D	MPX	750n	300m	13	0.0	-2.0	-9.0			5	8	B35	ML41
43	MCM1151L#1	1%	3	256	8	10	S	MPX	800n	600m	24	0.0	.30	-16	10u		2	8	B77	ML95
44	MM5230KPT	1	3	256	7	8	S	MPX	725n	960m	12	12	10*	4.0#			0	7	B26	ML133a
45	TMS2602JC#1	1%	3	512	7	8	S	MXX	1.0u	180m	24	0.0	-3.0	-8.0			2	8	PN24w	ML47d
46	TMS2602NC#1	1%	3	512	7	8	S	MXX	1.0u	180m	24	0.0	-3.0	-8.0			2	8	PN24w	ML72
47	MM4220LRJ#2	1%	4	128	6	7	S	MPX	650n	300m	12	12	10*	4.0#			5	C	B26a	ML133a
48	MM5220LRJ#2	1%	4	128	6	7	S	MPX	650n	300m	12	12	10*	4.0#			2	7	B26a	ML133a
49	MM5220LRN#2	1%	4	128	6	7	S	MPX	650n	300m	12	12	10*	4.0#			2	7	B26a	ML183
50	S8539#2	1	6	128	8	12	S	MPI	1.0u	180m	12	5.0	.70	4.0	1.6m	40	0	7	B92	ML13b
51	NC6561L#4	1%	6	128	10	8	S	MNA	350n	600m	3.0	12	.80	3.0	1.6m	40	0	7	B121	ML30g
52	NC6561P#4	1%	6	128	10	8	S	MNA	350n	600m	3.0	12	.80	3.0	1.6m	40	0	7	B121	ML30g
53	NC6591L#4	1%	6	128	11	8	S	MNA	800n	405m	3.0	12	.80	3.0	1.6m	40	0	7	B144	ML30g
54	NC6591P#4	1%	6	128	11	8	S	MNA	800n	405m	3.0	12	.80	3.0	1.6m	40	0	7	B144	ML30g
55	EA4035#1	1%	6	512	9	10	S	MPX	725n	400m	24	0.0	.30	9.0	1.6m	40	5	8	E16	ML41
56	MM5221RQN#1	1%	11	128	6	8	S	MNA	950n	204m	12	5.0	3.0*	.80#			0	7	B26a	ML183
57	NC6561L#5	2%	1	128	10	8	S	MPX	350n	600m	3.0	12	.80	3.0	1.6m	40	0	7	B121	ML30g
58	NC6561P#5	2%	1	128	10	8	S	MNA	350n	600m	3.0	12	.80	3.0	1.6m	40	0	7	B121	ML30g
59	NC6591L#5	2%	1	128	11	8	S	MNA	800n	405m	3.0	12	.80	3.0	1.6m	40	0	7	B144	ML30g
60	NC6591P#5	2%	1	128	11	8	S	MNA	800n	405m	3.0	12	.80	3.0	1.6m	40	0	7	B144	ML30g
61#	MD5200-0002	2	1	256	4	4	S	BTX	50n	575m	0.0	5.5	.80	2.0	10m	40	5	C	B50	ML10a
62#	MD5200-0003	2	1	256	4	4	S	BTX	50n	575m	0.0	5.5	.80	2.0	10m	40	5	C	B50	ML10a
63#	MD6200-0002	2	1	256	4	4	S	BTX	50n	575m	0.0	5.5	.85	2.0	15m	45	0	7	B50	ML10a
64#	MD6200-0003	2	1	256	4	4	S	BTX	50n	575m	0.0	5.5	.85	2.0	15m	45	0	7	B50	ML10a
65	CM2850CDE0014%	2	1	256	8	4	S	BTX	50n	500m	0.0	5.0	.80	2.0	16m	40	0	7	E6	
66	CM2850CDE0015%	2	1	256	8	4	S	BTX	50n	500m	0.0	5.0	.80	2.0	16m	40	0	7	E6	
67	HROM1024-2-0002	2	1	256	8	4	S	BTX	60n	650m	0.0	5.0	.85	2.0	15m	45	5	C	E11	ML15
68	HROM1024-2-0003	2	1	256	8	4	S	BTX	60n	650m	0.0	5.0	.85	2.0	15m	45	5	C	E11	ML15
69	HROM1024-5-0002	2	1	256	8	4	S	BTX	60n	650m	0.0	5.0	.85	2.0	15m	45	0	7	E11	ML15
70	HROM1024-5-0003	2	1	256	8	4	S	BTX	60n	650m	0.0	5.0	.85	2.0	15m	45	0	7	E11	ML15
71	HROM1024B2-0002	2	1	256	8	4	S	BTX	60n	500m	0.0	5.0	.85	2.0	15m	45	5	C		
72	HROM1024B2-0003	2	1	256	8	4	S	BTX	60n	500m	0.0	5.0	.85	2.0	15m	45	5	C		
73	HROM1024B5-0002	2	1	256	8	4	S	BTX	60n	500m	0.0	5.0	.85	2.0	15m	45	0	7		
74	HROM1024B5-0003	2	1	256	8	4	S	BTX	60n	500m	0.0	5.0	.85	2.0	15m	45	0	7		
75	MM4230QXJ	2	1	256	8	8	S	MPX	725n	960m	12									

6. CODE CONVERTERS

IN ORDER OF (1)FROM CODE(2)TO CODE(3)No.WORDS
(4)No.INPUT BITS(5)No.OUTPUT BITS(6)TYPE No.

MEMORY

LINE No.	TYPE No.	CONVERSION CODE		3 No. WORDS	No. CODE BITS		M O D E	STRUC TURE CODE	MAX ACCESS TIME (s)	MAX OPER. POWER DISS. (W)	RATED POWER SUP. SPAN		INPUT LOGIC LEVELS		MIN OUTPUT SINK CURRENT		OPER. TEMP. RANGE CODE	DRAWINGS		
		1	2		4	5					NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)	(A)	@ OUT (V)		LOGIC/ BLOCK	OUTLINE	
		FRM	TO		IN	OUT														
1	TMS2604NC#2	3	2	512	7	8	S	MXX	1.0u∅	180m∅	24	0.0	-3.0	-8.0			2	8	PN24w	ML72
2	MM4220APJ	4	1	128	6	7	S	MPX	650n∅	300m∅	12	12	10*	4.0#			5	7	B26a	ML133a
3	MM5220APJ	4	1	128	6	7	S	MPX	650n∅	300m∅	12	12	10*	4.0#			2	7	B26a	ML133a
4	MM5220APN	4	1	128	6	7	S	MPX	650n∅	300m∅	12	12	10*	4.0#			2	7	B26a	ML183
5	MM4220LRJ#1	4	1	128	6	8	S	MPX	650n∅	300m∅	12	12	10*	4.0#			2	7	B26a	ML133a
6	MM5220LRJ#1	4	1	128	6	8	S	MPX	650n∅	300m∅	12	12	10*	4.0#			2	7	B26a	ML133a
7	MM5220LRN#1	4	1	128	6	8	S	MPX	650n∅	300m∅	12	12	10*	4.0#			2	7	B26a	ML183
8	MM4220EKJ#1	4	2	128	6	8	S	MPX	650n∅	300m∅	12	12	10*	4.0#			2	7	B26a	ML133a
9	MM5220EKJ#1	4	2	128	6	8	S	MPX	650n∅	300m∅	12	12	10*	4.0#			2	7	B26a	ML133a
10	MM5220EKN#1	4	2	128	6	8	S	MPX	650n∅	300m∅	12	12	10*	4.0#			2	7	B26a	ML183
11	MM4230JTTJ#1	4	2	256	12	8	S	MPX	725n∅	960m∅	12	12	10*	4.0#			5	7	B26	ML133a
12	MM5230JTTJ#1	4	2	256	12	8	S	MPX	725n∅	960m∅	12	12	10*	4.0#			0	7	B26	ML133a
13	MM5230JTN#1	4	2	256	12	8	S	MPX	725n∅	960m∅	12	12	10*	4.0#			0	7	B26	ML183
14	DM54184AJ	4	4	40	6	6	S	BTX	50n∅	400m	0.0	5.0	8.0	2.0	12m	.40	5	7	PN16bs	ML127f
15	DM54184AW	4	4	40	6	6	S	BTX	50n∅	400m	0.0	5.0	8.0	2.0	12m	.40	5	7	PN16bs	FL39
16	DM54184J	4	4	40	6	6	S	BTX	50n∅	400m	0.0	5.0	8.0	2.0	12m	.40	5	7	PN16bs	ML127f
17	DM54184W	4	4	40	6	6	S	BTX	50n∅	400m	0.0	5.0	8.0	2.0	12m	.40	5	7	PN16bs	FL39
18	DM74184AJ	4	4	40	6	6	S	BTX	50n∅	400m	0.0	5.0	8.0	2.0	12m	.40	0	7	PN16bs	ML127f
19	DM74184AN	4	4	40	6	6	S	BTX	50n∅	400m	0.0	5.0	8.0	2.0	12m	.40	0	7	PN16bs	ML178
20	DM74184AW	4	4	40	6	6	S	BTX	50n∅	400m	0.0	5.0	8.0	2.0	12m	.40	0	7	PN16bs	FL39
21	DM74184J	4	4	40	6	6	S	BTX	50n∅	400m	0.0	5.0	8.0	2.0	12m	.40	0	7	PN16bs	ML127f
22	DM74184N	4	4	40	6	6	S	BTX	50n∅	400m	0.0	5.0	8.0	2.0	12m	.40	0	7	PN16bs	ML178
23	DM74184W	4	4	40	6	6	S	BTX	50n∅	400m	0.0	5.0	8.0	2.0	12m	.40	0	7	PN16bs	FL39
24	5548	4	4	5	256	6	6	BTX	40n∅	930m∅	0.0	5.0	8.0	2.0			0	7		
25	SN74185AW	5	5	4	64	6	6	BTX	25n∅	546m	0.0	5.25	8.0	2.0	12m	.40	0	7	PN16cw	MO004AC
26	5549	5	5	4	256	6	6	BTX	40n∅	930m∅	0.0	5.0	8.0	2.0			0	7		
27	MCM4067AL%	5	5	4	256	8	8	BTX	50n	650m	0.0	5.0	4.5%	2.5	12m	.45	0	7	E12	ML78
28	MCM4067L%	5	5	4	256	8	8	BTX	50n	650m	0.0	5.0	4.5%	2.5	12m	.45	0	7	E12	ML5
29	MCM4068AL%	5	5	4	256	8	8	BTX	50n	650m	0.0	5.0	4.5%	2.5	12m	.45	0	7	E12	ML78
30	MCM4068L%	5	5	4	256	8	8	BTX	50n	650m	0.0	5.0	4.5%	2.5	12m	.45	0	7	E12	ML5
31	NC6561L#3	6	6	1	128	10	8	MNA	350n	600m∅	3.0	12	8.0	3.0	1.6m	.40	0	7	B121	ML30g
32	NC6561P#3	6	6	1	128	11	8	MNA	350n	600m∅	3.0	12	8.0	3.0	1.6m	.40	0	7	B121	ML30g
33	NC6591L#3	6	6	1	128	11	8	MNA	800n	405m	3.0	12	8.0	3.0	1.6m	.40	0	7	B144	ML30g
34	NC6591P#3	6	6	1	128	11	8	MNA	800n	405m	3.0	12	8.0	3.0	1.6m	.40	0	7	B144	ML30g
35	S8457#2	6	6	1	128	12	8	MPI	800n	1.0	5.0	12	7.0	4.0	1.6m	.40	0	7	B89	ML13b
36	MM423BO#1	6	6	1	256	9	8	MPX	1.0u	420m∅	12	12	9.5*#	5.0#			5	7	PN18x	ML30b
37	MM523BO#1	6	6	1	256	9	8	MPX	1.0u	420m∅	12	12	9.5*#	5.0#			2	7	PN18x	ML30b
38	MCM1111L	6	6	1	256	12	8	MPX	800n∅	600m	24	0.0	0.0	-12	10uΔ		2	8	B75	ML95
39	MCM1112L	6	6	1	256	12	8	MPX	800n∅	600m	24	0.0	0.0	-12	10uΔ		2	8	B75	ML95
40	MCM4068AL%	6	6	1	256	12	8	BTX	40n∅	650m	0.0	5.0	4.5%	2.0	12m	.45	0	7	E12a	ML98
41	MCM4070AL%	6	6	1	256	12	8	BTX	40n∅	650m	0.0	5.0	4.5%	2.0	12m	.45	0	7	E12a	ML98
42	MM4231CMUJ	6	6	1	256	12	8	MPX	725n∅	480m∅	12	12	10*	4.0#			5	7	E21	ML184a
43	MM5231CMUJ	6	6	1	256	12	8	MPX	725n∅	480m∅	12	12	10*	4.0#			0	7	E21	ML184a
44	MM5231CMUN	6	6	1	256	12	8	MPX	725n∅	480m∅	12	12	10*	4.0#			0	7	E21	ML183
45	MM423BO#2	6	6	1	512	9	8	MPX	1.0u	420m∅	12	12	9.5*#	5.0#			5	7	PN18x	ML30b
46	MM523BO#2	6	6	1	512	9	8	MPX	1.0u	420m∅	12	12	9.5*#	5.0#			2	7	PN18x	ML30b
47	EA4035#2	6	6	1	512	9	10	S	725n	400m	24	0.0	3.0	9.0	1.6m	.40	5	8		
48	CM2850CDE0012%	6	6	2	256	8	4	S	50n	500m	0.0	5.0	8.0	2.0	16m	.40	0	7	E5	
49	CM2850CDE0013%	6	6	2	256	8	4	S	50n	500m	0.0	5.0	8.0	2.0	16m	.40	0	7	E5	
50	MM4230QWJ	6	6	2	256	12	8	S	725n∅	960m∅	12	12	10*	4.0#			5	7	B26	ML133a
51	MM5230QWJ	6	6	2	256	12	8	S	725n∅	960m∅	12	12	10*	4.0#			0	7	B26	ML133a
52	MM5230QWN	6	6	2	256	12	8	S	725n∅	960m∅	12	12	10*	4.0#			0	7	B26	ML183
53	EA4034#2	6	6	2	512	9	10	S	725n	400m	24	0.0	3.0	9.0	1.6m	.40	5	8		
54	CM2850CDE0051%	7	7	2	256	8	4	S	50n	500m	0.0	5.0	8.0	2.0	16m	.40	0	7	E10	
55	CM2850CDE0052%	7	7	2	256	8	4	S	50n	500m	0.0	5.0	8.0	2.0	16m	.40	0	7	E10	
56	S9021	8	8	1	396*	99	10	D	MPX	5.0m%	12	5.0	7.0	4.0	1.6m	.40	0	7	E15	ML151
57	EA2007ADC#1	8	8	1	396*	99	10	D	MPX		12	5.0	8.0	2.8%	10uΔ		0	7	E16	ML166
58	EA2007APC#1	8	8	1	396*	99	10	D	MPX		12	5.0	8.0	2.8%	10uΔ		0	7	E16	ML167
59	EA2007ADC#2	8	8	1	396*	99	10	D	MPX		12	5.0	8.0	2.8%	10uΔ		0	7	E16	ML166
60	EA2007APC#2	8	8	1	396*	99	10	D	MPX		12	5.0	8.0	2.8%	10uΔ		0	7	E16	ML167
61	MM54C922N	8	8	5	16*	16	4	D	MCX	500m∅	0.0	15	1.5%	13.5	360u	.40	5	7	E24	ML196
62	MM74C922N	8	8	5	16*	16	4	D	MCX	500m∅	0.0	15	1.5%	13.5	360u	.40	4	8	E24	ML196
63	MM54C923N	8	8	5	16*	20	5	D	MCX	500m∅	0.0	15	1.5%	13.5	360u	.40	5	7	E24a	ML253
64	MM74C923N	8	8	5	16*	20	5	D	MCX	500m∅	0.0	15	1.5%	13.5	360u	.40	4	8	E24a	ML253
65	MM5745N	8	8	9	312*	78	10	D	MPX	700m∅	12									

7. SHIFT REGISTERS

IN ORDER OF (1)No.BITS/REG(2)No.REGISTERS
(3)OP.CODE(4)MAX W/C FREQ(5)STRUCT(6)TYPE No

LINE No.	TYPE No.	ORGANIZATION		3 OPER. CODE	4 MAX WORST CASE FREQ. (Hz)	5 STRUCTURE CODE	MAX OPER. POWER DISS. (W)	RATED POWER SUP. SPAN		INPUT LOGIC LEVELS		MAX PROP. DELAY (s)	MIN OUTPUT SINK CURRENT		MIN CLOCK FREQ. (Hz)	OPER. TEMP. RANGE CODE	DRAWINGS	
		1 BITS PER REGISTER	2 No. REGS					NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)		@ OUT (V)	LOGIC/BLOCK			OUTLINE	
1#	RC54LS174B																	
2#	RC54LS174F																	
3#	RC54LS174W																	
4#	RC54LS175B																	
5#	RC54LS175F																	
6#	RC54LS175W																	
7#	RC54S194J																	
8#	RC54S194W																	
9#	RC54S195J																	
10#	RC3271B																	
11#	RC8200F																	
12#	RC9300E																	
13#	MP132B	1	6	PPS	500kt	MPX	300m	24	0.0	-3.5	-11	1.0ut			2	7	F81	ML4c
14#	SMC7495N	4	1												0	7		ML71
15#	CD4076AD	4	1	PPD	12Mt	MCX	500m	0.0	10	.05%	9.95s	250n	6.0M	5	7	F329	MO001AE	
16#	CD4076AE	4	1	PPD	12Mt	MCX	500m	0.0	10	.05%	9.95s	250n	6.0M	4	8	F329	MO001AC	
17#	CD4076AF	4	1	PPD	12Mt	MCX	500m	0.0	10	.05%	9.95s	250n	6.0M	5	7	F329	MO001AQ	
18#	CD4076AH	4	1	PPD	12Mt	MCX	500m	0.0	10	.05%	9.95s	250n	6.0M	5	7	F329	CH2	
19#	CD4076AK	4	1	PPD	12Mt	MCX	500m	0.0	10	.05%	9.95s	250n	6.0M	5	7	F329	MO004AG	
20#	CD4076AY	4	1	PPD	12Mt	MCX	500m	0.0	10	.05%	9.95s	250n	6.0M	4	8	F329	MO001AC	
21#	CD4076BK	4	1	PPD	12Mt	MCX	500m	0.0	10	.05%	9.95s	250n	6.0M	5	7	F329	MO004AG	
22#	CD4076BY	4	1	PPD	12Mt	MCX	500m	0.0	10	.05%	9.95s	250n	6.0M	4	8	F329	MO001AC	
23#	ITT370-1D	4	1	PPS		BDX			12	5.0	6.5	250n		5	7	F385	ML61	
24#	ITT370-5D	4	1	PPS		BDX			12	5.0	6.5	220n		3	8	F385	ML61	
25#	MIC370-1D	4	1	PPS		BDX			12					5	7		ML61	
26#	MIC370-1D1	4	1	PPS		BDX			15					5	7		ML61	
27#	MIC370-5D	4	1	PPS		BDX			12					3	8		ML61	
28#	MIC370-5D1	4	1	PPS		BDX			15					3	8		ML61	
29#	M5395P	4	1	PPS		BTX	250mt		5.0	.40%	2.4	60n	18m	.40	0	7	F36	TO116
30#	MIC6475J	4	1	PPS		BTX	160m		5.0	.80	2.0	40n		4	8	PN16ep	ML61	
31#	MIC54175J	4	1	PPS		BTX	150m		5.0	.80	2.0	17n		5	7	F351	ML146	
32#	MIC64175J	4	1	PPS		BTX	150m		5.0	.80	2.0	17n		4	8	F351	ML146	
33#	MIC74175J	4	1	PPS		BTX	150m		5.0	.80	2.0	17n		0	7	F351	ML146	
34#	MIC74175N	4	1	PPS		BTX	150m		5.0	.80	2.0	17n		0	7	F351	ML146	
35#	SN54278N	4	1	PPS		BTX	400m		5.0	.80	2.0	46n	16m	.80	5	7	F273	ML71
36#	SN74278W	4	1	PPS		BTX	400m		5.0	.80	2.0	46n	16m	.80	0	7	F273	MO004AA
37#	T9314F	4	1	PPS		BTX	275m		5.0	.80	2.0	32n	16m	.40	0	7	F363	FL14g
38#	T9314FM	4	1	PPS		BTX	275m		5.0	.80	2.0	30n	16m	.40	5	7	F363	FL14g
39#	T9314J	4	1	PPS		BTX	275m		5.0	.80	2.0	32n	16m	.40	0	7	F363	ML146
40#	T9314JM	4	1	PPS		BTX	275m		5.0	.80	2.0	30n	16m	.40	5	7	F363	ML146
41#	CD4042AD	4	1	PPS		MCX	1.2m		10	.05%	9.95	150n	700u	.50	5	7	F362	MO001AE
42#	CD4042AE	4	1	PPS		MCX	2.8m		10	.05%	9.95	200n	450u	.50	4	8	F362	MO001AC
43#	CD4042AF	4	1	PPS		MCX	1.2m		10	.05%	9.95	150n	700u	.50	5	7	F362	MO001AQ
44#	CD4042AH	4	1	PPS		MCX	1.2m		10	.05%	9.95	150n	700u	.50	5	7	F362	CH8
45#	CD4042AK	4	1	PPS		MCX	1.2m		10	.05%	9.95	150n	700u	.50	5	7	F362	MO004AG
46#	CD4042AY	4	1	PPS		MCX	2.8m		10	.05%	9.95	200n	450u	.50	4	8	F362	MO001AC
47#	HD1-4042A2	4	1	PPS		MCX	200m		10	.01%	9.99	200n			5	7	F362	ML127h
48#	HD1-4042A9	4	1	PPS		MCX	200m		10	.01%	9.99	200n			4	8	F362	ML127h
49#	HD9-4042A2	4	1	PPS		MCX	200m		10	.01%	9.99	200n			5	7	F362	FL14f
50#	HD9-4042A9	4	1	PPS		MCX	200m		10	.01%	9.99	200n			4	8	F362	FL14f
51#	MC14035CL	4	1	PPS	1.0M	MCX	3.2m		5.0	.01%	4.99	700n			4	8	F259	ML127b
52#	MC14035CP	4	1	PPS	1.0M	MCX	3.2m		5.0	.01%	4.99	700n			4	8	F259	ML145
53#	MC14035AL	4	1	PPS	1.5M	MCX	4.8m		5.0	.01%	4.99	500n			5	7	F259	ML127b
54#	SIL4035BE	4	1	PPS	2.0M	MCA	14m		10	.05%	9.95	300n	750u	9.5	4	8	F178	MO001AC
55#	HD1-4035A9	4	1	PPS	2.0M	MCX	1.0m		10	.01%	9.99	300n	850u	.50	4	8	F178	ML127h
56#	HD9-4035A9	4	1	PPS	2.0M	MCX	1.0m		10	.01%	9.99	300n	850u	.50	4	8	F178	FL27
57#	MB84035M	4	1	PPS	2.0M*	MCX	200m		10	3.0%	7.0	300n			4	8	F259	ML221
58#	MM4635AD	4	1	PPS	2.5Mt	MCX	1.5u		5.0	.05%	9.95	500n			5	7	F315	ML177
59#	MM4635AF	4	1	PPS	2.5Mt	MCX	1.5u		5.0	.05%	9.95	500n			5	7	F315	FL37
60#	MM5635AN	4	1	PPS	2.5Mt	MCX	3.5u		5.0	.05%	9.95	700n			4	8	F315	ML178
61#	SN54195N	4	1	PPS	3.0M	BTX	19mt		5.0	.70	2.0	200n	2.0m	.30	5	7	F155a	ML71
62#	SN54199N	4	1	PPS	3.0M	BTX	19mt		5.0	.70	2.0	200n	2.0m	.30	5	7	F94	ML48
63#	SN74195T	4	1	PPS	3.0M	BTX	19mt		5.0	.70	2.0	200n	2.0m	.30	0	7	F155a	TO84
64#	SIL4035BD	4	1	PPS	3.0M	MCA	6.0m		10	.05%	9.95	200n	650u	9.5	5	7	F178	MO001AC
65#	SIL4035BF	4	1	PPS	3.0M	MCA	6.0m		10	.05%	9.95	200n	650u	9.5	5	7	F178	MO001AQ
66#	HD1-4035A2	4	1	PPS	3.0M	MCX	100u		10	.01%	9.99	200n	1.2m	.50	5	7	F178	ML127h
67#	HD9-4035A2	4	1	PPS	3.0M	MCX	100u		10	.01%	9.99	200n	1.2m	.50	5	7	F178	FL27
68#	MB84035	4	1	PPS	3.0M*	MCX	200m		10	3.0%	7.0	225n			5	7	F259	ML15
69#	MC14076CL	4	1	PPS	3.0M*Δ	MCX	14m		10	.01%	9.99s	125nt	900u	.50	4	8	F329	ML61e
70#	MC14076CP	4	1	PPS	3.0M*Δ	MCX	14m		10	.01%	9.99s	125nt	900u	.50	4	8	F329	ML145
71#	MM54C195D	4	1	PPS	3.0MtΔ	MCX	500m		5.0	1.5	3.0	300n			5	7	F323	ML177
72#	MM54C195F	4	1	PPS	3.0MtΔ	MCX	500m		5.0	1.5	3.0	300n			5	7	F323	FL37
73#	MM54C195J	4	1	PPS	3.0MtΔ	MCX	500m		5.0	1.5	3.0	300n			5	7	F323	ML127f
74#	MM74C195J	4	1	PPS	3.0MtΔ	MCX	500m		5.0	1.5	3.0	300n			4	8	F323	ML127f
75#	MM74C195N	4	1	PPS	3.0MtΔ	MCX	500m		5.0	1.5	3.0	300n			4	8	F323	ML178
76#	MM54C95D	4	1	PPS	4.5Mt	MCX	1.5m		5.0	1.5	3.5	400n	360u	.40	5	7	F309	ML179
77#	MM74C95N	4	1	PPS	4.5Mt	MCX	1.5m		5.0	1.5	3.5	400n	360u	.40	4	8	F309	ML180
78#	690A	4	1	PPS	5.0MΔ	BDX	300m		5.0	.45	2.0				0	7	F384	PL12
79#	DM76L13F	4	1	PPS	5.0MΔ	BTX	39m		5.0	.70	2.0	100n	2.0m	.30	5	7	PN16eo	FL37
80#	DM76L13J	4	1	PPS	5.0MΔ	BTX	39m		5.0	.70	2.0	100n	2.0m	.30	5	7	PN16eo	ML127f
81#	DM76L13N	4	1	PPS	5.0MΔ	BTX	39m		5.0	.70	2.0	100n	2.0m	.30	5	7	PN16eo	ML178
82#	DM86L13F	4	1	PPS	5.0MΔ	BTX	39m		5.0	.70	2.0	100n	2.0m	.30	0	7	PN16eo	FL37
83#	DM86L13J	4	1	PPS	5.0MΔ	BTX	39m		5.0	.70	2.0	100n	2.0m	.30	0	7	PN16eo	ML127f
84#	DM86L13N	4	1	PPS	5.0MΔ	BTX	39m		5.0	.70	2.0	100n	2.0m	.30	0	7	PN16eo	ML178
85#	CD4035AK	4	1	PPS	5.0MΔ	MCX	6.0m		10	.05%	9.95	200n	870u	.50	5	7	F178	MO004AG
86#	CD4035AY	4	1	PPS	5.0MΔ	MCX	1.4m		10	.05%	9.95	300n	590u	.50	4	8	F178	MO001AC
87#	CD4035BCJ	4	1	PPS	5.0M*	MCX	1.2m		15	4.0	11	150n	3.0m	1.5	4	8	F178	ML127f
88#	CD4035BCN	4	1	PPS	5.0M*	MCX	1.2m											

7. SHIFT REGISTERS

IN ORDER OF (1) NO. BITS/REG(2) NO. REGISTERS
(3) OP. CODE (4) MAX W/C FREQ (5) STRUCT (6) TYPE No

MEMORY

LINE No.	TYPE No.	ORGANIZATION		OPER. CODE	4 WORST CASE FREQ. (Hz)	5 STRUCTURE CODE	MAX OPER. POWER DISS. (W)	RATED POWER SUP. SPAN		INPUT LOGIC LEVELS		MAX PROP. DELAY (s)	MIN OUTPUT SINK CURRENT @ OUT (V)		MIN CLOCK FREQ. (Hz)	OPER. TEMP. RANGE CODE	DRAWINGS			
		1 BITS PER REGISTER	2 No. REGS.					NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)		(A)	(V)			LOGIC/BLOCK	OUTLINE		
																			+	-
1	CD40175BCJ	4	1	PPS	6.0M*	MCX	240u	0.0	15	4.0	11	120n	8.0m	1.5	4	8	F518	ML127f		
2	CD40175BCN	4	1	PPS	6.0M*	MCX	240u	0.0	15	4.0	11	120n	8.0m	1.5	4	8	F518	ML178		
3	CD40175BMJ	4	1	PPS	6.0M*	MCX	60u	0.0	15	4.0	11	120n	3.4m	1.5	5	5	C	ML127f		
4	CD40175BMW	4	1	PPS	6.0M*	MCX	60u	0.0	15	4.0	11	120n	3.4m	1.5	5	5	C	F518		
5	MC14076AL	4	1	PPS	6.0M*Δ	MCX	6.0m	0.0	10	0.01%	9.99%	125n†	900u	50	5	5	C	FL37a		
6	MM54C173D	4	1	PPS	7.0MΔ	MCX	500m	0.0	10	2.0	8.0%	200n			5	5	C	F329		
7	MM54C173F	4	1	PPS	7.0MΔ	MCX	500m	0.0	10	2.0	8.0%	200n			5	5	C	ML61e		
8	MM54C173J	4	1	PPS	7.0MΔ	MCX	500m	0.0	10	2.0	8.0%	200n			5	5	C	F361		
9	MM74C173J	4	1	PPS	7.0MΔ	MCX	500m	0.0	10	2.0	8.0%	200n			4	8	F361	ML127f		
10	MM74C173N	4	1	PPS	7.0MΔ	MCX	500m	0.0	10	2.0	8.0%	200n			4	8	F361	ML178		
11#	FCJ221	4	1	PPS	8.0M	MCX	250m	0.0	6.0	0.0	6.0				0	7	F371	ML17b		
12	CD4076BCJ	4	1	PPS	8.7M*Δ	MCX	1.2m	0.0	15	4.0	11%	160n	3.0m	1.5	4	8	F516	ML127f		
13	CD4076BCN	4	1	PPS	8.7M*Δ	MCX	1.2m	0.0	15	4.0	11%	160n	3.0m	1.5	4	8	F516	ML178		
14	CD4076BMJ	4	1	PPS	8.7M*Δ	MCX	300u	0.0	15	4.0	11%	160n	3.4m	1.5	5	5	C	ML127f		
15	CD4076BMW	4	1	PPS	8.7M*Δ	MCX	300u	0.0	15	4.0	11%	160n	3.4m	1.5	5	5	C	F516		
16	CD40104BD	4	1	PPS	9.0M†	MCX	500m	0.0	10	4.5†	5.5†	150n	2.6m	50	5	5	C	PN16fk		
17	CD40104BE	4	1	PPS	9.0M†	MCX	500m	0.0	10	4.5†	5.5†	150n	2.6m	50	4	8	PN16fk	MO001AB		
18	CD40104BF	4	1	PPS	9.0M†	MCX	500m	0.0	10	4.5†	5.5†	150n	2.6m	50	5	5	C	PN16fk	MO001AC	
19	CD40104BH	4	1	PPS	9.0M†	MCX	500m	0.0	10	4.5†	5.5†	150n	2.6m	50	5	5	C	PN16fk	CHZ	
20	CD40104BK	4	1	PPS	9.0M†	MCX	500m	0.0	10	4.5†	5.5†	150n	2.6m	50	5	5	C	PN16fk	MO004AG	
21	9200-1-4L	4	1	PPS	10M†	BTX	105m	0.0	5.0	80	1.4	65n	2.1m	30	5	5	C	F2	FL14	
22	9200-1-7B	4	1	PPS	10M†	BTX	105m	0.0	5.0	80	1.4	65n	2.1m	30	5	5	C	F2	ML15a	
23	9200-9-4L	4	1	PPS	10M†	BTX	210m	0.0	5.0	75	1.6	65n	2.3m	35	0	7	F2	FL14		
24	9200-9-7B	4	1	PPS	10M†	BTX	110m	0.0	5.0	75	1.6	65n	2.3m	35	0	7	F2	ML15a		
25#	MB452	4	1	PPS	10M*	BTX	200m†	0.0	5.0	80	2.0	55n			0	7	F389	ML15		
26#	MB452M	4	1	PPS	10M*	BTX	200m†	0.0	5.0	80	2.0	55n			0	7	F389	ML221		
27	N7494R	4	1	PPS	10M*	BTX	175m	0.0	5.0	80	2.0	40n	16m	40	0	7	F92	ML21b		
28	S5494E	4	1	PPS	10M*	BTX	175m	0.0	5.0	80	2.0	40n	16m	40	5	5	C	F92	ML61c	
29	S5494R	4	1	PPS	10M*	BTX	175m	0.0	5.0	80	2.0	40n	16m	40	5	5	C	F92	ML21b	
30#	TL7494N	4	1	PPS	10M*	BTX	304m	0.0	5.0	80	2.0	40n	16m	40	0	7	PN16dk	ML48b		
31	HD1-54C195	4	1	PPS	10M	MCX	100n†	0.0	10	2.0	8.0	130n	10u	1.0	5	5	C	F320	ML127h	
32	HD1-54C95	4	1	PPS	10M†	MCX	100n†	0.0	10	2.0	8.0	160n	10u	1.0	5	5	C	F309	ML93c	
33	HD1-74C95	4	1	PPS	10M†	MCX	100n†	0.0	10	2.0	8.0	160n	10u	1.0	4	8	F309	ML93c		
34	HD9-54C195	4	1	PPS	10M	MCX	100n†	0.0	10	2.0	8.0	130n	10u	1.0	5	5	C	F320	FL27	
35	HD9-54C95	4	1	PPS	10M†	MCX	100n†	0.0	10	2.0	8.0	160n	10u	1.0	5	5	C	F309	TO86	
36	HD9-74C95	4	1	PPS	10M†	MCX	100n†	0.0	10	2.0	8.0	160n	10u	1.0	4	8	F309	TO86		
37	DM54L98J	4	1	PPS	12M†	BTX	40m	0.0	5.0	70	2.0	100n	2.0m	30	5	5	C	F443	ML127f	
38	DM54L98N	4	1	PPS	12M†	BTX	40m	0.0	5.0	70	2.0	100n	2.0m	30	5	5	C	F443	ML178	
39	DM54L98W	4	1	PPS	12M†	BTX	40m	0.0	5.0	70	2.0	100n	2.0m	30	5	5	C	F443	FL39	
40	DM74L98J	4	1	PPS	12M†	BTX	40m	0.0	5.0	70	2.0	100n	3.6m	40	0	7	F443	ML127f		
41	DM74L98N	4	1	PPS	12M†	BTX	40m	0.0	5.0	70	2.0	100n	3.6m	40	0	7	F443	ML178		
42	DM74L98W	4	1	PPS	12M†	BTX	40m	0.0	5.0	70	2.0	100n	3.6m	40	0	7	F443	FL39		
43	CD40194BD	4	1	PPS	12M†	MCX	500m	0.0	15	6.7†	8.2†	110n	6.8m†	1.5	5	5	C	PN16fm	MO001AB	
44	CD40194BE	4	1	PPS	12M†	MCX	500m	0.0	15	6.7†	8.2†	110n	6.8m†	1.5	4	8	PN16fm	MO001AC		
45	CD40194BF	4	1	PPS	12M†	MCX	500m	0.0	15	6.7†	8.2†	110n	6.8m†	1.5	5	5	C	PN16fm	MO001AC	
46	CD40194BH	4	1	PPS	12M†	MCX	500m	0.0	15	6.7†	8.2†	110n	6.8m†	1.5	5	5	C	PN16fm	CHZ	
47	CD40194BK	4	1	PPS	12M†	MCX	500m	0.0	15	6.7†	8.2†	110n	6.8m†	1.5	5	5	C	PN16fm	MO004AG	
48	HD1-54C173	4	1	PPS	12MΔ	MCX	500m	0.0	10	2.0	8.0%	180n	10u	1.0	7.0M	5	5	C	F361	ML127h
49	HD1-54C175	4	1	PPS	12MΔ	MCX	500m	0.0	10	2.0	8.0	180n	10u	1.0	7.0M	5	5	C	F351	ML127h
50	HD1-74C173	4	1	PPS	12MΔ	MCX	500m	0.0	10	2.0	8.0%	180n	10u	1.0	7.0M	4	8	F361	ML127h	
51	HD1-74C175	4	1	PPS	12MΔ	MCX	500m	0.0	10	2.0	8.0	180n	10u	1.0	7.0M	0	7	F351	ML127h	
52	HD9-54C173	4	1	PPS	12MΔ	MCX	500m	0.0	10	2.0	8.0%	180n	10u	1.0	7.0M	5	5	C	F361	FL14f
53	HD9-54C175	4	1	PPS	12MΔ	MCX	500m	0.0	10	2.0	8.0	180n	10u	1.0	7.0M	5	5	C	F351	FL14f
54	HD9-74C173	4	1	PPS	12MΔ	MCX	500m	0.0	10	2.0	8.0%	180n	10u	1.0	7.0M	4	8	F361	FL14f	
55	HD9-74C175	4	1	PPS	12MΔ	MCX	500m	0.0	10	2.0	8.0	180n	10u	1.0	7.0M	0	7	F351	FL14f	
56	DM54L95F	4	1	PPS	14M†	BTX	40m	0.0	5.0	70	2.0	90n	2.0m	30	5	5	C	F155a	FL43	
57	DM54L95J	4	1	PPS	14M†	BTX	40m	0.0	5.0	70	2.0	90n	2.0m	30	5	5	C	F155a	ML93d	
58	DM54L95N	4	1	PPS	14M†	BTX	40m	0.0	5.0	70	2.0	90n	2.0m	30	5	5	C	F155a	ML180	
59	DM74L95F	4	1	PPS	14M†	BTX	40m	0.0	5.0	70	2.0	90n	2.0m	30	0	7	F155a	FL43		
60	DM74L95J	4	1	PPS	14M†	BTX	40m	0.0	5.0	70	2.0	90n	3.6m	40	0	7	F155a	ML93d		
61	DM74L95N	4	1	PPS	14M†	BTX	40m	0.0	5.0	70	2.0	90n	3.6m	40	0	7	F155a	ML180		
62#	9300-1-3L	4	1	PPS	15M	BTX	300m†	0.0	5.0	90	1.4	45n	8.5m	40	5	5	C	F2	FL14a	
63#	9300-9-3L	4	1	PPS	15M	BTX	300m†	0.0	5.0	85	1.6	45n	9.0m	45	0	7	F2	FL14a		
64	DM75L51F	4	1	PPS	15MΔ	BTX	30m†	0.0	5.0	70	2.0%	120n	3.6m	40	6.0M	5	5	C	F361	FL37
65	DM85L51F	4	1	PPS	15MΔ	BTX	30m†	0.0	5.0	70	2.0%	120n	3.6m	40	6.0M	0	7	F361	FL37	
66	DM7600D	4	1	PPS	15M*	BTX	30m†	0.0	5.0	90	1.4	45n	7.4m	40	5	5	C	PN16cy	ML63	
67	DM8600D	4	1	PPS	15M*	BTX	30m†	0.0	5.0	85	1.6	45n	9.6m	45	0	7	PN16cy	ML63		
68	DM8600N	4	1	PPS	15M*	BTX	30m†	0.0	5.0	85	1.6	45n	9.6m	45	0	7	PN16cy	ML69		
69#	FJB93L00	4	1	PPS	15M†	BTX	75m†	0.0	5.0	70	2.0	35n	3.2m	30	0	7	F2	ML49		
70	N8270J	4	1	PPS	15M*	BTX	247m	0.0	5.0	40%	2.6	40n	11m	40	0	7	F124	FL19		
71	N8271E	4	1	PPS	15M*	BTX	344m	0.0	5.0	40%	2.6	40n	11m	40	0	7	F124a	ML61c		
72	N8271R	4	1	PPS	15M*	BTX	344m	0.0	5.0	40%	2.6	40n	11m	40	0	7	F124a	FL18		
73	S8270J	4	1	PPS	15M*	BTX	247m	0.0	5.0	40%	2.6	40n	11m	40	5	5	C	F124	FL19	
74	S8271E	4	1	PPS	15M*	BTX	344m	0.0	5.0	40%	2.6	40n	11m	40	5	5	C	F124a	ML61c	
75	S8271R	4	1	PPS	15M*	BTX	344m	0.0	5.0	40%	2.6	40n	11m	40	5	5	C	F124a	FL18	
76	CD4035BK	4	1	PPS	16M†	MCX	500m	0.0	15	4.0	11	80n†	6.8m†	1.5	5	5	C	F509	MO004AG	
77	54LS95BJ																			

7. SHIFT REGISTERS

IN ORDER OF (1)NO.BITS/REG(2)No.REGISTERS
(3)OP.CODE(4)MAX W/C FREQ(5)STRUCT(6)TYPE No

LINE No.	TYPE No.	ORGANIZATION			MAX WORST CASE FREQ.	STRUCTURE CODE	MAX OPER. POWER DISS. (W)	RATED POWER SUP. SPAN		INPUT LOGIC LEVELS		MAX PROP. DELAY (s)	MIN OUTPUT SINK CURRENT @ OUT (V)		MIN CLOCK FREQ. (Hz)	OPER. TEMP. RANGE CODE	DRAWINGS		
		BITS PER REGISTER	No. REGS	OPER. CODE				NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)		MIN (A)	MAX (V)			LOGIC/ BLOCK	OUTLINE	
1	DM74LS194AN	4	1	PPS	25M	BTD	115m	0.0	5.0	80	2.0	30n	4.0m	4.0	0	7	F245	ML178	
2	DM74LS194AW	4	1	PPS	25M	BTD	115m	0.0	5.0	80	2.0	30n	4.0m	4.0	0	7	F245	FL39	
3	DM7551J	4	1	PPS	25M	BTX	360m	0.0	5.0	80	2.0s	28n	16m	4.0	5	C	F444	ML127f	
4	DM7551W	4	1	PPS	25M	BTX	360m	0.0	5.0	80	2.0s	28n	16m	4.0	5	C	F444	FL39	
5	DM8551J	4	1	PPS	25M	BTX	360m	0.0	5.0	80	2.0s	28n	16m	4.0	0	7	F444	ML127f	
6	DM8551N	4	1	PPS	25M	BTX	360m	0.0	5.0	80	2.0s	28n	16m	4.0	0	7	F444	ML178	
7	DM8551W	4	1	PPS	25M	BTX	360m	0.0	5.0	80	2.0s	28n	16m	4.0	0	7	F444	FL39	
8#	FJB9300	4	1	PPS	25M	BTX	300m	0.0	5.0	80	2.0	45n	9.6m	4.0	0	7	F376	ML127g	
9#	GFB7495	4	1	PPS	25M	BTX	195m	0.0	5.0	80	2.0	32n	16m	4.0	0	7	F155	ML86c	
10#	GFB74195	4	1	PPS	25M	BTX	300m	0.0	5.0	80	2.0	45n	9.6m	4.0	0	7	F376	ML127g	
11	MIC9300-1D	4	1	PPS	25M	BTX	300m	0.0	5.0	90	1.4	45n	8.5m	4.0	5	C	F2	ML61	
12	MIC9300-5D	4	1	PPS	25M	BTX	300m	0.0	5.0	85	1.6	45n	9.2m	4.5	0	7	F2	ML61	
13#	MIC54194J	4	1	PPS	25M	BTX	195m	0.0	5.0	80	2.0	30n	16m	4.0	5	C	F89a	ML61	
14#	MIC64194J	4	1	PPS	25M	BTX	195m	0.0	5.0	80	2.0	30n	16m	4.0	4	8	F89a	TO116	
15#	MIC74194J	4	1	PPS	25M	BTX	195m	0.0	5.0	80	2.0	30n	16m	4.0	0	7	F89a	ML61	
16#	MIC74194N	4	1	PPS	25M	BTX	195m	0.0	5.0	80	2.0	30n	16m	4.0	0	7	F89a	ML132b	
17	N74194R	4	1	PPS	25M	BTX	195m	0.0	5.0	80	2.0	30n	16m	4.0	0	7	F132	ML21b	
18	S54194E	4	1	PPS	25M	BTX	195m	0.0	5.0	80	2.0	30n	16m	4.0	5	C	F132	ML61c	
19	S54194R	4	1	PPS	25M	BTX	195m	0.0	5.0	80	2.0	30n	16m	4.0	5	C	F132	ML21b	
20	SN54175N	4	1	PPS	25M	BTX	225m	0.0	5.0	80	2.0	35n	16m	4.0	5	C	F351	ML48	
21	SN54178N	4	1	PPS	25M	BTX	230m	0.0	5.0	80	2.0	36n	16m	4.0	5	C	F191	ML71	
22	SN54179N	4	1	PPS	25M	BTX	230m	0.0	5.0	80	2.0	36n	16m	4.0	5	C	F191a	ML48	
23	SN74175W	4	1	PPS	25M	BTX	225m	0.0	5.0	80	2.0	35n	16m	4.0	0	7	F351	MOO04AG	
24	SN74178W	4	1	PPS	25M	BTX	230m	0.0	5.0	80	2.0	36n	16m	4.0	0	7	F191	MOO04AA	
25	SN74179W	4	1	PPS	25M	BTX	230m	0.0	5.0	80	2.0	36n	16m	4.0	0	7	F191a	MOO04AA	
26	TSR2514J	4	1	PPS	25M	BTX	200m	0.0	5.0	45%	3.2	30n	10m	4.5	0	7	F55	TO116	
27	SN54LS95AN	4	1	PPS	28M	BTX	85m	0.0	5.0	70	2.0	48n	4.0m	4.0	5	C	F70	ML71	
28	SN54LS194J	4	1	PPS	28M	BTX	100m	0.0	5.0	70	2.0	54n	4.0m	4.0	5	C	F89a	ML61a	
29	SN54LS194N	4	1	PPS	28M	BTX	100m	0.0	5.0	70	2.0	54n	4.0m	4.0	5	C	F89a	ML48	
30	SN54LS194W	4	1	PPS	28M	BTX	100m	0.0	5.0	70	2.0	54n	4.0m	4.0	5	C	F89a	MOO04AG	
31	SN54LS195J	4	1	PPS	28M	BTX	85m	0.0	5.0	80	2.0	47n	8.0m	5.0	5	C	F108	ML61a	
32	SN54LS195N	4	1	PPS	28M	BTX	85m	0.0	5.0	80	2.0	47n	8.0m	5.0	5	C	F108	ML48	
33	SN54LS195W	4	1	PPS	28M	BTX	85m	0.0	5.0	80	2.0	47n	8.8m	5.0	5	C	F108	MOO04AG	
34	SN54LS295J	4	1	PPS	28M	BTX	60m	0.0	5.0	70	2.0s	70n	4.0m	4.0	5	C	F70	ML66a	
35	SN54LS295N	4	1	PPS	28M	BTX	60m	0.0	5.0	70	2.0s	70n	4.0m	4.0	5	C	F70	ML71	
36	SN54LS295W	4	1	PPS	28M	BTX	60m	0.0	5.0	70	2.0s	70n	4.0m	4.0	5	C	F70	MOO04AA	
37	SN74LS194J	4	1	PPS	28M	BTX	100m	0.0	5.0	80	2.0	54n	8.0m	5.0	0	7	F89a	ML61a	
38	SN74LS194N	4	1	PPS	28M	BTX	100m	0.0	5.0	80	2.0	54n	8.0m	5.0	0	7	F89a	ML48	
39	SN74LS194W	4	1	PPS	28M	BTX	100m	0.0	5.0	80	2.0	54n	8.0m	5.0	0	7	F89a	MOO04AG	
40	SN74LS195J	4	1	PPS	28M	BTX	85m	0.0	5.0	70	2.0	47n	4.0m	4.0	0	7	F108	ML61a	
41	SN74LS195N	4	1	PPS	28M	BTX	85m	0.0	5.0	70	2.0	47n	4.0m	4.0	0	7	F108	ML48	
42	SN74LS195W	4	1	PPS	28M	BTX	85m	0.0	5.0	70	2.0	47n	4.0m	4.0	0	7	F108	MOO04AG	
43	SN74LS295J	4	1	PPS	28M	BTX	60m	0.0	5.0	80	2.0s	70n	8.0m	5.0	0	7	F70	ML66a	
44	SN74LS295N	4	1	PPS	28M	BTX	60m	0.0	5.0	80	2.0s	70n	8.0m	5.0	0	7	F70	ML71	
45	SN74LS295W	4	1	PPS	28M	BTX	60m	0.0	5.0	80	2.0s	70n	8.0m	5.0	0	7	F70	MOO04AA	
46	54LS194AJ	4	1	PPS	30M	BTD	115m	0.0	5.0	70	2.0	30n	4.0m	4.0	5	C	F245	ML	
47	54LS194AW	4	1	PPS	30M	BTD	115m	0.0	5.0	70	2.0	30n	4.0m	4.0	5	C	F245	FL14h	
48	54LS195AJ	4	1	PPS	30M	BTD	105m	0.0	5.0	70	2.0	33n	4.0m	4.0	5	C	F108	ML	
49	54LS195AW	4	1	PPS	30M	BTD	105m	0.0	5.0	70	2.0	33n	4.0m	4.0	5	C	F108	FL14h	
50	54LS295AJ	4	1	PPS	30M	BTD	125m	0.0	5.0	70	2.0s	45n	4.0m	4.0	5	C	F282	ML63c	
51	54LS295AW	4	1	PPS	30M	BTD	125m	0.0	5.0	70	2.0s	45n	4.0m	4.0	5	C	F282	FL11c	
52	74LS194AJ	4	1	PPS	30M	BTD	115m	0.0	5.0	80	2.0	30n	4.0m	4.0	0	7	F245	ML	
53	74LS194AW	4	1	PPS	30M	BTD	115m	0.0	5.0	80	2.0	30n	4.0m	4.0	0	7	F245	FL14h	
54	74LS195AJ	4	1	PPS	30M	BTD	105m	0.0	5.0	80	2.0	33n	4.0m	4.0	0	7	F108	ML	
55	74LS195AW	4	1	PPS	30M	BTD	105m	0.0	5.0	80	2.0	33n	4.0m	4.0	0	7	F108	FL14h	
56	74LS295AJ	4	1	PPS	30M	BTD	125m	0.0	5.0	80	2.0s	45n	4.0m	4.0	0	7	F282	ML63c	
57	74LS295AW	4	1	PPS	30M	BTD	125m	0.0	5.0	80	2.0s	45n	4.0m	4.0	0	7	F282	FL11c	
58	DM54LS195AJ	4	1	PPS	30M	BTD	105m	0.0	5.0	70	2.0	30n	4.0m	4.0	5	C	F108	ML127f	
59	DM54LS195AN	4	1	PPS	30M	BTD	105m	0.0	5.0	70	2.0	30n	4.0m	4.0	5	C	F108	ML178	
60	DM54LS195AW	4	1	PPS	30M	BTD	105m	0.0	5.0	70	2.0	30n	4.0m	4.0	5	C	F108	FL39	
61	DM74LS195AJ	4	1	PPS	30M	BTD	105m	0.0	5.0	80	2.0	30n	4.0m	4.0	0	7	F108	ML127f	
62	DM74LS195AN	4	1	PPS	30M	BTD	105m	0.0	5.0	80	2.0	30n	4.0m	4.0	0	7	F108	ML178	
63	DM74LS195AW	4	1	PPS	30M	BTD	105m	0.0	5.0	80	2.0	30n	4.0m	4.0	0	7	F108	FL39	
64	DM7613J	4	1	PPS	30M	BTX	380m	0.0	5.0	80	2.0	33n	16m	4.0	20M	5	C	PN16eo	ML127f
65	DM7613N	4	1	PPS	30M	BTX	380m	0.0	5.0	80	2.0	33n	16m	4.0	20M	5	C	PN16eo	ML178
66	DM7613W	4	1	PPS	30M	BTX	380m	0.0	5.0	80	2.0	33n	16m	4.0	20M	5	C	PN16eo	FL39
67	DM8300J	4	1	PPS	30M	BTX	460m	0.0	5.0	80	2.0	30n	16m	4.0	0	7	PN16ff	ML127f	
68	DM8300N	4	1	PPS	30M	BTX	460m	0.0	5.0	80	2.0	30n	16m	4.0	0	7	PN16ff	ML178	
69	DM8300W	4	1	PPS	30M	BTX	460m	0.0	5.0	80	2.0	30n	16m	4.0	0	7	PN16ff	FL39	
70	DM8613J	4	1	PPS	30M	BTX	380m	0.0	5.0	80	2.0	33n	16m	4.0	20M	0	7	PN16eo	ML127f
71	DM8613N	4	1	PPS	30M	BTX	380m	0.0	5.0	80	2.0	33n	16m	4.0	20M	0	7	PN16eo	ML178
72	DM8613W	4	1	PPS	30M	BTX	380m	0.0	5.0	80	2.0	33n	16m	4.0	20M	0	7	PN16eo	FL39
73	DM9300J	4	1	PPS	30M	BTX	430m	0.0	5.0	80	2.0	30n	16m	4.0	5	C	PN16ff	ML127f	
74	DM9300N	4	1	PPS	30M	BTX	430m	0.0	5.0	80	2.0	30n	16m	4.0	5	C	PN16ff	ML178	
75	DM9300W	4	1	PPS	30M	BTX	430m	0.0	5.0	80	2.0	30n	16m	4.0	5	C	PN16ff	FL39	
76	DM54195J	4	1	PPS	30M	BTX	195m	0.0	5.0	80	2.0	30n	16m	4.0	5	C	F108	ML127f	
77	DM54195W	4	1	PPS	30M	BTX	195m	0.0	5.0	80	2.0	30n	16m	4.0	5	C	F108	FL39	
78	DM74195J	4	1	PPS	30M	BTX	195m	0.0	5.0	80	2.0	30n	16m	4.0	0	7	F108	ML127f	
79	DM74195N	4	1	PPS	30M	BTX													

7. SHIFT REGISTERS

IN ORDER OF (1) No. BITS/REG(2) No. REGISTERS
(3) OP. CODE(4) MAX W/C FREQ(5) STRUCT(6) TYPE No

MEMORY

LINE No.	TYPE No.	ORGANIZATION		OPER. CODE	4 MAX WORST CASE FREQ. (Hz)	5 STRUCTURE CODE	MAX OPER. POWER DISS. (W)	RATED POWER SUP. SPAN		INPUT LOGIC LEVELS		MAX PROP. DELAY (s)	MIN OUTPUT SINK CURRENT @ OUT (V)		MIN CLOCK FREQ. (Hz)	OPER. TEMP. RANGE CODE	DRAWINGS		
		1 BITS PER REGISTER	2 No. REGS					NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)		(A)	(V)			LOGIC/BLOCK	OUTLINE	
																			+
1	25LS195AJM	4	1	PPS	35M	BTD	105m	0.0	5.0	.70	2.0	21n	8.0m	45	5	C	F108	ML2	
2	25LS195AWC	4	1	PPS	35M	BTD	105m	0.0	5.0	.80	2.0	21n	8.0m	45	0	7	F108	FL14h	
3	25LS195AWM	4	1	PPS	35M	BTD	105m	0.0	5.0	.70	2.0	21n	8.0m	45	5	C	F108	FL14h	
4	74LS175J	4	1	PPS	35M	BTD	90m	0.0	5.0	.80	2.0	25n	4.0m	40	0	7	F351	ML2	
5	74LS175W	4	1	PPS	35M	BTD	90m	0.0	5.0	.80	2.0	25n	4.0m	40	0	7	F351	FL14h	
6	DM54LS95BJ	4	1	PPS	36M	BTD	105m	0.0	5.0	.70	2.0	32n	4.0m	40	5	C	F402	ML93d	
7	DM54LS95BN	4	1	PPS	36M	BTD	105m	0.0	5.0	.70	2.0	32n	4.0m	40	5	C	F402	ML180	
8	DM54LS95BW	4	1	PPS	36M	BTD	105m	0.0	5.0	.70	2.0	32n	4.0m	40	5	C	F402	FL41	
9	DM74LS95BJ	4	1	PPS	36M	BTD	105m	0.0	5.0	.80	2.0	32n	4.0m	40	0	7	F402	ML93d	
10	DM74LS95BN	4	1	PPS	36M	BTD	105m	0.0	5.0	.80	2.0	32n	4.0m	40	0	7	F402	ML180	
11	DM74LS95BW	4	1	PPS	36M	BTD	105m	0.0	5.0	.80	2.0	32n	4.0m	40	0	7	F402	FL41	
12	DM5495J	4	1	PPS	36M	BTX	375m	0.0	5.0	.80	2.0	35n	16m	40	5	C	F155	ML93d	
13	DM5495N	4	1	PPS	36M	BTX	375m	0.0	5.0	.80	2.0	35n	16m	40	5	C	F155	ML180	
14	DM5495W	4	1	PPS	36M	BTX	375m	0.0	5.0	.80	2.0	35n	16m	40	5	C	F155	FL41	
15	DM7495J	4	1	PPS	36M	BTX	375m	0.0	5.0	.80	2.0	35n	16m	40	0	7	F155	ML93d	
16	DM7495N	4	1	PPS	36M	BTX	375m	0.0	5.0	.80	2.0	35n	16m	40	0	7	F155	ML180	
17	DM54194J	4	1	PPS	36M	BTX	315m	0.0	5.0	.80	2.0	30n	16m	40	5	C	F132	ML127f	
18	DM54194W	4	1	PPS	36M	BTX	315m	0.0	5.0	.80	2.0	30n	16m	40	5	C	F132	FL39	
19	DM74194J	4	1	PPS	36M	BTX	315m	0.0	5.0	.80	2.0	30n	16m	40	0	7	F132	ML127f	
20	DM74194N	4	1	PPS	36M	BTX	315m	0.0	5.0	.80	2.0	30n	16m	40	0	7	F132	ML178	
21	DM74194W	4	1	PPS	36M	BTX	315m	0.0	5.0	.80	2.0	30n	16m	40	0	7	F132	FL39	
22#	FJJ231	4	1	PPS	36M	BTX	195m	0.0	5.0	.80	2.0	32n	16m	40	0	7	F155	ML71d	
23	SN5495J	4	1	PPS	36M	BTX	250m	0.0	5.0	.80	2.0	32n	16m	40	5	C	F70	ML66a	
24#	TL7495AN	4	1	PPS	36M	BTX	330m	0.0	5.0	.80	2.0	32n	16m	40	0	7	PN14a	ML71a	
25	DM7542J	4	1	PPS	40M	BTX	600m	0.0	5.0	.80	2.0	38n	16m	40	5	C	F316	ML127f	
26	DM7542N	4	1	PPS	40M	BTX	600m	0.0	5.0	.80	2.0	38n	16m	40	5	C	F316	ML178	
27	DM7542W	4	1	PPS	40M	BTX	600m	0.0	5.0	.80	2.0	38n	16m	40	5	C	F316	FL39	
28	DM8542J	4	1	PPS	40M	BTX	600m	0.0	5.0	.80	2.0	38n	16m	40	0	7	F316	ML127f	
29	DM8542N	4	1	PPS	40M	BTX	600m	0.0	5.0	.80	2.0	38n	16m	40	0	7	F316	ML178	
30	DM8542W	4	1	PPS	40M	BTX	600m	0.0	5.0	.80	2.0	38n	16m	40	0	7	F316	FL39	
31	DM54175J	4	1	PPS	40M	BTX	285m	0.0	5.0	.80	2.0	30n	16m	40	5	C	F351	ML127f	
32	DM54175N	4	1	PPS	40M	BTX	285m	0.0	5.0	.80	2.0	30n	16m	40	5	C	F351	ML178	
33	DM54175W	4	1	PPS	40M	BTX	285m	0.0	5.0	.80	2.0	30n	16m	40	5	C	F351	FL39	
34	DM74175J	4	1	PPS	40M	BTX	285m	0.0	5.0	.80	2.0	30n	16m	40	30M	5	C	F351	ML127f
35	DM74175N	4	1	PPS	40M	BTX	285m	0.0	5.0	.80	2.0	30n	16m	40	30M	5	C	F351	ML178
36	DM74175W	4	1	PPS	40M	BTX	285m	0.0	5.0	.80	2.0	30n	16m	40	30M	5	C	F351	FL39
37#	uPB226C	4	1	PPS	40M	BTX	280m	0.0	5.0	.80	2.0	7.0n	16m	40	1	7	PN14x	ML2	
38#	uPB226D	4	1	PPS	40M	BTX	280m	0.0	5.0	.80	2.0	7.0n	16m	40	2	7	PN14x	ML2	
39#	FJB93H00	4	1	PPS	55M	BTX	350m	0.0	5.0	.80	2.0	21n	12m	40	0	7	F2	ML4e	
40#	FJB93H72	4	1	PPS	60M	BTX	475m	0.0	5.0	.80	2.0	21n	16m	40	0	7	F141	ML4e	
41	DM74S194N	4	1	PPS	70M	BTD	675m	0.0	5.0	.80	2.0	18n	20m	50	0	7	F245	ML178	
42	DM74S195N	4	1	PPS	70M	BTD	545m	0.0	5.0	.80	2.0	18n	20m	50	0	7	F108	ML178	
43	5AR175	4	1	PPS	70M	BTX	225m	0.0	5.0	.40	2.5	24n			5	C	F351		
44	7AR175	4	1	PPS	70M	BTX	225m	0.0	5.0	.40	2.5	24n			5	C	F351		
45#	RC54LS194J	4	1	PPS	70M	BTX	572m	0.0	5.0	.80	2.0	18n	20m	50	5	C	F245	ML132	
46#	RC54LS194W	4	1	PPS	70M	BTX	572m	0.0	5.0	.80	2.0	18n	20m	50	5	C	F245	FL25	
47#	S54LS194J	4	1	PPS	70M	BTX	572m	0.0	5.0	.80	2.0	18n	20m	50	5	C	F245	ML132	
48#	S54LS194W	4	1	PPS	70M	BTX	572m	0.0	5.0	.80	2.0	18n	20m	50	5	C	F245	FL25	
49	T54S194F	4	1	PPS	75M	BTD	450m	0.0	5.0	.80	2.0	10n	20m	50	5	C	F245	FL14	
50	T54S194J	4	1	PPS	75M	BTD	450m	0.0	5.0	.80	2.0	10n	20m	50	5	C	F245	ML2j	
51	T54S195F	4	1	PPS	75M	BTD	545m	0.0	5.0	.80	2.0	9.0n	20m	50	5	C	F246	FL14	
52	T54S195J	4	1	PPS	75M	BTD	545m	0.0	5.0	.80	2.0	9.0n	20m	50	5	C	F246	ML2j	
53	T74S194F	4	1	PPS	75M	BTD	450m	0.0	5.0	.80	2.0	10n	20m	50	0	7	F245	FL14	
54	T74S194J	4	1	PPS	75M	BTD	450m	0.0	5.0	.80	2.0	10n	20m	50	0	7	F245	ML2j	
55	T74S195F	4	1	PPS	75M	BTD	600m	0.0	5.0	.80	2.0	9.0n	20m	50	0	7	F246	FL14	
56	T74S195J	4	1	PPS	75M	BTD	600m	0.0	5.0	.80	2.0	9.0n	20m	50	0	7	F246	ML2j	
57	T54S175F	4	1	PPS	110M	BTX		0.0	5.0	.80	2.0	13n	20m	50	75M	5	C	F351	FL14g
58	T54S175J	4	1	PPS	110M	BTX		0.0	5.0	.80	2.0	13n	20m	50	75M	5	C	F351	ML219
59	T74S175F	4	1	PPS	110M	BTX		0.0	5.0	.80	2.0	13n	20m	50	75M	0	7	F351	FL14g
60	T74S175J	4	1	PPS	110M	BTX		0.0	5.0	.80	2.0	13n	20m	50	75M	0	7	F351	ML48c
61#	MB10141	4	1	PPS	150M	BEX	425m	5.2	0.0	-1.6%	-96	2.9n			3	8	F174	ML15	
62#	MB10141M	4	1	PPS	150M	BEX	425m	5.2	0.0	-1.6%	-96	2.9n			3	8	F174	ML221	
63	SN10141J	4	1	PPS	150M	BEX	546m	5.2	0.0	-1.6%	-98	4.0n			0	8	F308	ML146	
64	SN10141N	4	1	PPS	150M	BEX	546m	5.2	0.0	-1.6%	-98	4.0n			0	8	F308	ML94d	
65	MC794P	4	1	PPS	1.0M	BRX	225m	0.0	11	.57	.79	55n			1	5	F39	ML38	
66#	HD2533	4	1	PPS	1.0M	BTX	304m	0.0	5.0	.80	2.0	40n	16m	40	2	7	F92	ML108	
67#	HD2533P	4	1	PPS	1.0M	BTX	304m	0.0	5.0	.80	2.0	40n	16m	40	2	7	F92	ML94a	
68	MC7494P	4	1	PPS	1.0M	BTX	175m	0.0	5.0	.40	2.4	40n	16m	40	0	7	F110	ML145	
69	MC8394L	4	1	PPS	1.0M	BTX	175m	0.0	5.0	.40	2.4	40n	16m	40	0	7	F110	ML127b	
70	MC8394P	4	1	PPS	1.0M	BTX	175m	0.0	5.0	.40	2.4	40n	16m	40	0	7	F110	ML145	
71	MC9394L	4	1	PPS	1.0M	BTX	175m	0.0	5.0	.40	2.4	40n	16m	40	5	C	F110	ML127b	
72#	MIC5494J	4	1	PPS	1.0M	BTX	175m	0.0	5.0	.80	2.0	40n	16m	40	5	C	F92	ML61	
73#	MIC6494J	4	1	PPS	1.0M	BTX	175m	0.0	5.0	.80	2.0	40n	16m	40	4	8	F92	ML61	
74#	MIC7494J	4	1	PPS	1.0M	BTX	175m	0.0	5.0	.80	2.0	40n	16m	40	0	7	F92	ML61	
75#	MIC7494N	4	1	PPS	1.0M	BTX	175m	0.0	5.0	.80	2.0	40n	16m	40	0	7	F92	ML132b	
76	SN5494N	4	1	PPS	1.0M	BTX	175m	0.0	5.0	.80	2.0	40n	16m	40	5	C	F92	ML48	
77	SN7494W	4	1	PPS	1.0M	BTX	175m	0.0	5.0	.80	2.0	40n	16m	40	0	7	F92	MO004AC	
78	SW5494J	4	1	PPS	1.0M	BTX	250m	0.0	5.0	.80	2.0	40n	16m	40	5	C	F92	ML72	
79	SW7494J	4	1	PPS	1.0M	BTX	290m	0.0	5.0	.80	2.0	40n	16m	40	0	7	F92	ML72	
80	SW7494N	4	1	PPS	1.0M	BTX													

7. SHIFT REGISTERS

IN ORDER OF (1)No.BITS/REG(2)No.REGISTERS
(3)OP.CODE(4)MAX W/C FREQ(5)STRUCT(6)TYPE No

LINE No.	6	TYPE No.	ORGANIZATION		3	4	5	MAX OPER. POWER DISS. (W)	RATED POWER SUP. SPAN		INPUT LOGIC LEVELS		MAX PROP. DELAY (s)	MIN OUTPUT SINK CURRENT		MIN CLOCK FREQ. (Hz)	OPER. TEMP. RANGE CODE	DRAWINGS	
			1	2					OPER. CODE	WORST CASE FREQ. (Hz)	STRUC TURE CODE	NEG.		POS.	MAX '0' (V)			MIN '1' (V)	(A)
1		HD1-4015A2	4	2	SPS	3.0M	MCX	100u	0.0	10	0.1%	9.99	225n	250u	.50	5	C	F80	ML127h
2		HD9-4015A2	4	2	SPS	3.0M	MCX	100u	0.0	10	0.1%	9.99	225n	250u	.50	5	C	F80	FL27
3		MB84015	4	2	SPS	3.0M*	MCX	200m	0.0	10	3.0%	7.0	200n			5	C	F80	ML15
4		MC14015AL	4	2	SPS	3.0M%	MCX	100u	0.0	10	0.1%	9.99	225n	900u	.50	5	C	F111	ML5
5		MC14015L	4	2	SPS	3.0M	MCX	100u	0.0	10	0.1%	9.99	250n			5	C	F111	ML5
6		MSM4015	4	2	SPS	5.0MΔ†	MCX	200m	0.0	10	2.0	7.2	1.0u	3.0m	.95	2	7	F80	ML132b
7		CD4015D	4	2	SPS	6.0M†	MCX	100u	0.0	14	0.1%	9.99	100n	100u%	9.5	5	C	F80	MOO01AE
8		MC14015CL	4	2	SPS	6.0M%	MCX	1.0m	0.0	10	0.1%	9.99	300n	500u	.50	4	8	F111	ML5
9		MC14015CP	4	2	SPS	6.0M%	MCX	1.0m	0.0	10	0.1%	9.99	300n	500u	.50	4	8	F111	ML145
10		CD4015CJ	4	2	SPS	9.0MΔ†	MCX	14m	0.0	10	0.5%	9.95	300n	80u	9.5	4	8	F80	ML127f
11		CD4015CN	4	2	SPS	9.0MΔ†	MCX	14m	0.0	10	0.5%	9.95	300n	80u	9.5	4	8	F80	ML178
12		CD4015MD	4	2	SPS	9.0MΔ†	MCX	6.0m	0.0	10	0.5%	9.95	225n	140u	9.5	5	C	F80	ML177
13		CD4015MF	4	2	SPS	9.0MΔ†	MCX	6.0m	0.0	10	0.5%	9.95	225n	140u	9.5	5	C	F80	FL37
14		CD4015MJ	4	2	SPS	9.0MΔ†	MCX	6.0m	0.0	10	0.5%	9.95	225n	140u	9.5	5	C	F80	ML127f
15		CD4015BK	4	2	SPS	16M†	MCX	500m	0.0	15	4.0	11	80n†	6.8m†	1.5	5	C	F505	MOO04AC
16		569T	4	4	PPS			1.1†	0.0	5.0	4.5	2.0	25n†	16m		0	6	F277	PL8
17		CD40105AD	4	16	PPD▼	6.0MΔ†	MCX	500m	0.0	10	0.01%	10s	45n†	150nΔ		5	C	F373	MOO01AE
18		CD40105AE	4	16	PPD▼	6.0MΔ†	MCX	500m	0.0	10	0.01%	10s	45n†	150nΔ		4	8	F373	MOO01AC
19		CD40105AF	4	16	PPD▼	6.0MΔ†	MCX	500m	0.0	10	0.01%	10s	45n†	150nΔ		5	C	F373	MOO01AC
20		CD40105AH	4	16	PPD▼	6.0MΔ†	MCX	500m	0.0	10	0.01%	10s	45n†	150nΔ		5	C	F373	CHZ
21		CD40105AK	4	16	PPD▼	6.0MΔ†	MCX	500m	0.0	10	0.01%	10s	45n†	150nΔ		5	C	F373	MOO04AC
22		CD40105AY	4	16	PPD▼	6.0MΔ†	MCX	500m	0.0	10	0.01%	10s	45n†	150nΔ		4	8	F373	MOO01AE
23		MSM543	5	1	PPS	2.0MΔ	MCX	2.5m	0.0	5.0	8.0	3.6	1.0u	1.6m†	.40	3	8	F395	ML222
24		DM54LS96J	5	1	PPS	10M	BTD	100m	0.0	5.0	7.0	2.0	55n	4.0m	.40	5	C	F40	ML127f
25		DM54LS96N	5	1	PPS	10M	BTD	100m	0.0	5.0	7.0	2.0	55n	4.0m	.40	5	C	F40	ML178
26		DM54LS96W	5	1	PPS	10M	BTD	100m	0.0	5.0	7.0	2.0	55n	4.0m	.40	5	C	F40	FL39
27		DM74LS96J	5	1	PPS	10M	BTD	100m	0.0	5.0	8.0	2.0	55n	4.0m	.40	0	7	F40	ML127f
28		DM74LS96N	5	1	PPS	10M	BTD	100m	0.0	5.0	8.0	2.0	55n	4.0m	.40	0	7	F40	ML178
29		DM74LS96W	5	1	PPS	10M	BTD	100m	0.0	5.0	8.0	2.0	55n	4.0m	.40	0	7	F40	FL39
30		DM5496J	5	1	PPS	10M	BTX	340m	0.0	5.0	8.0	2.0	55n	16m	.40	5	C	F40	ML127f
31		DM5496W	5	1	PPS	10M	BTX	340m	0.0	5.0	8.0	2.0	55n	16m	.40	5	C	F40	FL39
32		DM7496J	5	1	PPS	10M	BTX	395m	0.0	5.0	8.0	2.0	55n	16m	.40	0	7	F40	ML127f
33		DM7496N	5	1	PPS	10M	BTX	395m	0.0	5.0	8.0	2.0	55n	16m	.40	0	7	F40	ML178
34		FJB9396	5	1	PPS	10M*	BTX	395m	0.0	5.0	8.0	2.0	40n	16m	.40	0	7	F40	ML4e
35		FJJ241	5	1	PPS	10M	BTX	240m†	0.0	5.0	8.0	2.0	40n	16m	.40	0	7	F40	ML2h
36		FJJ241A	5	1	PPS	10M	BTX	240m	0.0	5.0	8.0	2.0	40n	18m	0.0	0	7	F40	ML67
37		GFB7496	5	1	PPS	10M	BTX	240m†	0.0	5.0	8.0	2.0	40n	16m	.40	0	7	F40	ML127g
38		MB453	5	1	PPS*	10M*	BTX	280m†	0.0	5.0	8.0	2.0	55n			0	7	F390	ML15
39		MB453M	5	1	PPS*	10M*	BTX	280m†	0.0	5.0	8.0	2.0	55n			0	7	F390	ML221
40		MC7496P	5	1	PPS	10M	BTX	240m†	0.0	5.0	40%	2.4	40n	16m	.40	0	7	F40	ML145
41		MC8396L	5	1	PPS	10M	BTX	240m†	0.0	5.0	40%	2.4	40n	16m	.40	0	7	F40	ML127b
42		MC8396P	5	1	PPS	10M	BTX	240m†	0.0	5.0	40%	2.4	40n	16m	.40	0	7	F40	ML145
43		MC9396L	5	1	PPS	10M	BTX	240m†	0.0	5.0	40%	2.4	40n	16m	.40	5	C	F40	ML127b
44		MIC5496J	5	1	PPS	10M*	BTX	215m†	0.0	5.0	8.0	2.0	40n	16m	.40	5	C	F40	ML61
45		MIC6496J	5	1	PPS	10M*	BTX	215m†	0.0	5.0	8.0	2.0	40n	16m	.40	4	8	F40	ML61
46		MIC7496J	5	1	PPS	10M*	BTX	215m†	0.0	5.0	8.0	2.0	40n	16m	.40	0	7	F40	ML61
47		MIC7496N	5	1	PPS	10M*	BTX	215m†	0.0	5.0	8.0	2.0	40n	16m	.40	0	7	F40	ML132b
48		N7496R	5	1	PPS	10M	BTX	400m	0.0	5.0	8.0	2.0	40n	16m	.40	0	7	F40	ML21b
49		S5496E	5	1	PPS	10M	BTX	340m	0.0	5.0	8.0	2.0	40n	16m	.40	5	C	F40	ML61c
50		S5496R	5	1	PPS	10M	BTX	340m	0.0	5.0	8.0	2.0	40n	16m	.40	5	C	F40	ML21b
51		SW5496J	5	1	PPS	10M	BTX	340m	0.0	5.0	8.0	2.0	40n	1.6m	.40	5	C	F40	ML48
52		SW7496J	5	1	PPS	10M	BTX	395m	0.0	5.0	8.0	2.0	40n	1.6m	.40	0	7	F40	ML48
53		SW7496N	5	1	PPS	10M	BTX	395m	0.0	5.0	8.0	2.0	40n	1.6m	.40	0	7	F40	ML72
54		TL7496N	5	1	PPS	10M*	BTX	414m	0.0	5.0	8.0	2.0	55n	16m	.40	0	7	F243a	ML48b
55		US5496A	5	1	PPS	10M*	BTX	240m†	0.0	5.0	8.0	2.0	55n	1.6m	.40	5	C	F40	ML85a
56		US7496A	5	1	PPS	10M*	BTX	240m†	0.0	5.0	8.0	2.0	55n	1.6m	.40	0	7	F40	ML85a
57		FJJ241-7496	5	1	SSS	10M	BTX	240m	0.0	5.0	8.0	2.0	40n	16m	.40	0	7	F145	ML2d
58		HD2546	5	2	PPS	35M	BTX	414m	0.0	5.0	8.0	2.0	40n	16m	.40	2	7	F40	ML108
59		HD2546P	5	2	PPS	35M	BTX	414m	0.0	5.0	8.0	2.0	40n	16m	.40	2	7	F40	ML94a
60		MC14006CL	5s	4s	PPS	4.0M	MCX	100u	0.0	10	0.1%	9.99	250n	500u	.50	4	8	F236	ML66
61		MC14006C	5s	4s	PPS	4.0M	MCX	100u	0.0	10	0.1%	9.99	250n	500u	.50	4	8	F236	ML124
62		MC14006AL	5s	4s	PPS	7.0M	MCX	10u	0.0	10	0.1%	9.99	145n	900u	.50	5	C	F236	ML66
63		MC4006	5s	4s	PPS	2.0M†	MCX	100n	6.0	15	0.1	9.9	350n†			5	C	F126	MOO01AC
64		CD4006	5s	4s	SSS	2.0M	MCX	10u	0.0	10	0.1%	9.99	450n	500u		5	C	F126	FL6
65		CD4006AY	5s	4s	SSS	2.0M	MCX	400u	0.0	10	0.5%	9.95	250n	80u		4	8	F126	MOO01AE
66		CD4006D	5s	4s	SSS	2.0M	MCX	10u	0.0	10	0.1%	9.99	450n	500u		5	C	F126	ML16a
67		CD4006AK	5s	4s	SSS	2.5M	MCX	600u	0.0	10	0.5%	9.95	200n	140u	9.5	5	C	F126	MOO04AF
68		HD1-4006A2	5s	4s	SSS	5.0MΔ	MCX	200m	0.0	10	0.1%	9.99	200n	250u	.50	5	C	F126	MLZ
69		HD1-4006A9	5s	4s	SSS	5.0MΔ	MCX	200m	0.0	10	0.1%	9.99	250n	125u	.50	4	8	F126	MLZ
70		MM4606AD	5s	4s	SSS	5.0M†	MCX	150u	0.0	5.0	0.5%	9.95	400n			5	C	F312	ML179
71		MM4606AF	5s	4s	SSS	5.0M†	MCX	150u	0.0	5.0	0.5%	9.95	400n			5	C	F312	FL36
72		MM5606AN	5s	4s	SSS	5.0M†	MCX	350u	0.0	5.0	0.5%	9.95	500n			4	8	F312	ML180
73		CD4006CJ	5s	4s	SSS	10MΔ†	MCX	1.4m	0.0	10	0.5%	9.95	250n	80u	9.5	4	8	F126	ML93d
74		CD4006CN	5s	4s	SSS	10MΔ†	MCX	1.4m	0.0	10	0.5%	9.95	250n	80u	9.5	4	8	F126	ML180
75		CD4006MD	5s	4s	SSS	10MΔ†	MCX	600u	0.0	10	0.5%	9.95	200n	140u	9.5	5	C	F126	ML179
76		CD4006MF	5s	4s	SSS	10MΔ†	MCX	600u	0.0	10	0.5%	9.95	200n	140u	9.5	5	C	F126	FL36
77		CD4006MJ	5s	4s	SSS	10MΔ†	MCX	600u	0.0	10	0.5%	9.95	200n	140u	9.5	5	C		

7. SHIFT REGISTERS

IN ORDER OF (1) NO. BITS/REG (2) NO. REGISTERS
(3) OP. CODE (4) MAX. W/C FREQ (5) STRUCT (6) TYPE No

MEMORY

LINE No.	TYPE No.	ORGANIZATION		OPER. CODE	MAX WORST CASE FREQ. (Hz)	5 STRUCTURE CODE	MAX OPER. POWER (W)	RATED POWER SUP. SPAN		INPUT LOGIC LEVELS		MAX. PROP. DELAY (s)	MIN OUTPUT SINK CURRENT @ OUT		MIN CLOCK FREQ. (Hz)	OPER. TEMP. RANGE CODE	DRAWINGS		
		BITS PER REGISTER	No. REGS					NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)		(A)	(V)			LOGIC/BLOCK	OUTLINE	
1	DM54174J	6	1	PPS	40MΔ	BTX	285m	0.0	5.0	.80	2.0	30n	16m	40	30M	5	C	F350	ML127f
2	DM54174N	6	1	PPS	40MΔ	BTX	285m	0.0	5.0	.80	2.0	30n	16m	40	30M	5	C	F350	ML178
3	DM54174W	6	1	PPS	40MΔ	BTX	285m	0.0	5.0	.80	2.0	30n	16m	40	30M	5	C	F350	FL39
4	DM74174J	6	1	PPS	40MΔ	BTX	285m	0.0	5.0	.80	2.0	30n	16m	40	30M	0	7	F350	ML127f
5	DM74174N	6	1	PPS	40MΔ	BTX	285m	0.0	5.0	.80	2.0	30n	16m	40	30M	0	7	F350	ML178
6	DM74174W	6	1	PPS	40MΔ	BTX	285m	0.0	5.0	.80	2.0	30n	16m	40	30M	0	7	F350	FL39
7	5AR174	6	1	PPS	70M	BTX	325m	0.0	5.0	.40	2.5	24n				5	C	F350	
8	7AR174	6	1	PPS	70M	BTX	325m	0.0	5.0	.40	2.5	24n				5	C	F350	
9	T54S174F	6	1	PPS	110M†	BTD		0.0	5.0	.80	2.0	13n	20m	50	75M	5	C	F350	FL14g
10	T54S174J	6	1	PPS	110M†	BTD		0.0	5.0	.80	2.0	13n	20m	50	75M	5	C	F350	ML219
11	T74S174F	6	1	PPS	110M†	BTD		0.0	5.0	.80	2.0	13n	20m	50	75M	0	7	F350	FL14g
12	T74S174J	6	1	PPS	110M†	BTD		0.0	5.0	.80	2.0	13n	20m	50	75M	0	7	F350	ML219
13	TMS3026JC	6	1	SPS	250K	MPT	750m	0.0	5.0	.80	2.0	20n∅	20m	50		0	7	F446	ML43a
14	DM8550J	6	1	SPS	75M∅	BTD	750m	0.0	5.0	.80	2.0	20n∅	20m	50		0	7	F446	ML127f
15	DM8550N	6	1	SPS	75M∅	BTD	750m	0.0	5.0	.80	2.0	20n∅	20m	50		0	7	F446	ML178
16	DM8550W	6	1	SPS	75M∅	BTD	750m	0.0	5.0	.80	2.0	20n∅	20m	50		0	7	F446	FL39
17#	TL74100N	8	1	PPS		BTX	556m†	0.0	5.0	.80	2.0	30nΔ				0	7	F375	ML72
18	MM74C374J	8	1	PPS		MCX	500m†	0.0	10	2.0	8.0∅		1.6m†			4	8	F520	ML7
19	MM74C374N	8	1	PPS		MCX	500m†	0.0	10	2.0	8.0∅		1.6m†			4	8	F520	ML253
20	S1694	8	1	PPS		MXX		7.7	0.0	4.0	-1.2					0	7	F45	ML45
21	SCL5408D	8	1	PPS	2.0M†∅	MCX	200m†	0.0	10	0.5%	9.95	1.0u∅				5	C	F161	ML105
22	SCL5408F	8	1	PPS	2.0M†∅	MCX	200m†	0.0	10	0.5%	9.95	1.0u∅				5	C	F161	FL16a
23	SCL5408H	8	1	PPS	2.0M†∅	MCX	200m†	0.0	10	0.5%	9.95	1.0u∅				5	C	F161	CHZ
24	MC14034AL	8	1	PPS	2.5M†Δ	MCX	25u	0.0	5.0	0.50%	4.95	940n∅	280u	40		5	C	F241	ML95a
25	MC14034CL	8	1	PPS	2.5M†Δ	MCX	250u	0.0	5.0	0.50%	4.95	1.2u∅	160u	40		4	8	F241	ML95a
26	CD4034AK	8	1	PPS	3.0M∅	MCX	6.0m∅	0.0	10	0.5%	9.95	480n∅	175u	50		5	C	F177	MO015AC
27	CD4058AD	8	1	PPS	5.0M†	MCX	200m†	0.0	10	0.1%	9.99	240n†				5	C	F232	ML30e
28	CD4058AK	8	1	PPS	5.0M†	MCX	200m†	0.0	10	0.1%	9.99	240n†				5	C	F232	FL28
29#	MSM4034	8	1	PPS	5.0M†	MCX	200m†	0.0	10	2.0	7.2	1.0u	3.0m	50		2	7	F522	ML88d
30	CD4034BK	8	1	PPS	6.0M†	MCX	500m†	0.0	15	4.0	11	140n†	6.8m†	1.5		5	C	F508	FL28
31	CD4034BCJ	8	1	PPS	7.0M*∅	MCX	1.2m	0.0	15	4.0	11s	190n	3.0m	1.5		4	8	F423	ML183a
32	CD4034BCN	8	1	PPS	7.0M*∅	MCX	1.2m	0.0	15	4.0	11s	190n	3.0m	1.5		4	8	F423	ML183
33	CD4034BMJ	8	1	PPS	7.0M*∅	MCX	300u	0.0	15	4.0	11s	190n	3.4m	1.5		5	C	F423	ML183a
34	CD4034BMW	8	1	PPS	7.0M*∅	MCX	300u	0.0	15	4.0	11s	190n	3.4m	1.5		5	C	F423	FL42
35	DM7546J	8	1	PPS	15M∅	BTX	575m	0.0	5.0	.80	2.0∅	40n∅	16m	40		5	C	F447	ML127f
36	DM7546W	8	1	PPS	15M∅	BTX	575m	0.0	5.0	.80	2.0∅	40n∅	16m	40		5	C	F447	FL39
37	DM8546J	8	1	PPS	15M∅	BTX	625m	0.0	5.0	.80	2.0∅	40n∅	16m	40		0	7	F447	ML127f
38	DM8546N	8	1	PPS	15M∅	BTX	625m	0.0	5.0	.80	2.0∅	40n∅	16m	40		0	7	F447	ML178
39	DM8546W	8	1	PPS	15M∅	BTX	625m	0.0	5.0	.80	2.0∅	40n∅	16m	40		0	7	F447	FL39
40	N74165R	8	1	PPS	20M∅	BTX	210m†	0.0	5.0	.80	2.0	40n∅	16m	40		0	7	F107	ML21b
41#	RC54164W	8	1	PPS	20M∅	BTX	315m†	0.0	5.0	.80	2.0	40n∅	16m	40		5	C	F107	FL25
42#	S5465B	8	1	PPS	20M∅	BTX	210m†	0.0	5.0	.80	2.0	40n∅	16m	40		5	C	F107	ML132
43	S54165E	8	1	PPS	20M∅	BTX	210m†	0.0	5.0	.80	2.0	40n∅	16m	40		5	C	F107	ML61c
44	S54165R	8	1	PPS	20M∅	BTX	210m†	0.0	5.0	.80	2.0	40n∅	16m	40		5	C	F107	ML21b
45#	MB455	8	1	PPS	25M*	BTX	360m†	0.0	5.0	.80	2.0	35n∅				0	7	F89	ML207a
46#	MB455M	8	1	PPS	25M*	BTX	360m†	0.0	5.0	.80	2.0	35n∅				0	7	F89	ML216a
47	N74164Q	8	1	PPS	25M∅	BTX	21m%†	0.0	5.0	.80	2.0	42n∅	8.0m	40		0	7	F179	FL19
48	N74166R	8	1	PPS	25M∅	BTX	360m†	0.0	5.0	.80	2.0	35n∅	16m	40		0	7	F88	ML21b
49	N74199P	8	1	PPS	25M∅	BTX	360m†	0.0	5.0	.80	2.0	35n∅	16m	40		0	7	F90	FL3b
50	N74199Y	8	1	PPS	25M∅	BTX	360m†	0.0	5.0	.80	2.0	35n∅	16m	40		0	7	F90	FL18
51	S54164Q	8	1	PPS	25M∅	BTX	21m%†	0.0	5.0	.80	2.0	42n∅	8.0m	40		5	C	F179	FL19
52	S54166E	8	1	PPS	25M∅	BTX	360m†	0.0	5.0	.80	2.0	35n∅	16m	40		5	C	F88	ML61c
53	S54166R	8	1	PPS	25M∅	BTX	360m†	0.0	5.0	.80	2.0	35n∅	16m	40		5	C	F88	ML21b
54	S54198P	8	1	PPS	25M∅	BTX	360m†	0.0	5.0	.80	2.0	35n∅	16m	40		5	C	F89	FL3b
55	S54198Y	8	1	PPS	25M∅	BTX	360m†	0.0	5.0	.80	2.0	35n∅	16m	40		5	C	F89	FL18
56	S54199P	8	1	PPS	25M∅	BTX	360m†	0.0	5.0	.80	2.0	35n∅	16m	40		5	C	F90	FL3b
57	S54199Y	8	1	PPS	25M∅	BTX	360m†	0.0	5.0	.80	2.0	35n∅	16m	40		5	C	F90	FL18
58	SN54198N	8	1	PPS	25M∅	BTX	360m†	0.0	5.0	.80	2.0	30n∅	16m	40		5	C	F89	ML72
59	SN54199N	8	1	PPS	25M∅	BTX	360m†	0.0	5.0	.80	2.0	30n∅	16m	40		5	C	F90	ML72
60	SN74198W	8	1	PPS	25M∅	BTX	360m†	0.0	5.0	.80	2.0	30n∅	16m	40		0	7	F89	MO019AA
61	SN74199W	8	1	PPS	25M∅	BTX	360m†	0.0	5.0	.80	2.0	30n∅	16m	40		0	7	F90	MO019AA
62	SW54166J	8	1	PPS	25M	BTX	360m†	0.0	5.0	.80	2.0	35n				5	C	F88	ML48
63	SW54198N	8	1	PPS	25M	BTX	360m†	0.0	5.0	.80	2.0	35n				5	C	F89	ML72
64	SW54199N	8	1	PPS	25M	BTX	360m†	0.0	5.0	.80	2.0	35n				5	C	F90	ML72
65	SW74198N	8	1	PPS	25M∅	BTX	360m†	0.0	5.0	.80	2.0	30n∅	16m	40		0	7	F89	ML72
66	SW74199N	8	1	PPS	25M∅	BTX	360m†	0.0	5.0	.80	2.0	30n∅	16m	40		0	7	F90	ML72
67#	TL74165N	8	1	PPS	26M†	BTX	330m	0.0	5.0	.80	2.0	40n	16m	40		0	7	F107	ML48b
68	DM54198F	8	1	PPS	35M†∅	BTX	580m	0.0	5.0	.80	2.0	35n∅	16m	40		5	C	F89	FL42
69	DM54198J	8	1	PPS	35M†∅	BTX	580m	0.0	5.0	.80	2.0	35n∅	16m	40		5	C	F89	ML133a
70	DM54198N	8	1	PPS	35M†∅	BTX	520m	0.0	5.0	.80	2.0	35n∅	16m	40		5	C	F89	ML183
71	DM54199F	8	1	PPS	35M†∅	BTX	580m	0.0	5.0	.80	2.0	35n∅	16m	40		5	C	F90	FL42
72	DM54199J	8	1	PPS	35M†∅	BTX	580m	0.0	5.0	.80	2.0	35n∅	16m	40		5	C	F90	ML133a
73	DM54199N	8	1	PPS	35M†∅	BTX	520m	0.0	5.0	.80	2.0	35n∅	16m	40		5	C	F90	ML183
74	DM74198F	8	1	PPS	35M†∅	BTX	580m	0.0	5.0	.80	2.0	35n∅	16m	40		0	7	F89	FL42
75	DM74198J	8	1	PPS	35M†∅	BTX	580m	0.0	5.0	.80	2.0	35n∅	16m	40		0	7	F89	ML133a
76	DM74198N	8	1	PPS	35M†∅	BTX	580m	0.0	5.0	.80	2.0	35n∅	16m	40		0	7	F89	ML183</

7. SHIFT REGISTERS

IN ORDER OF(1)No.BITS/REG(2)No.REGISTERS
(3)OP.CODE(4)MAX W/C FREQ(5)STRUCT(6)TYPE No

LINE No.	6	TYPE No.	ORGANIZATION		3	4	5	MAX	RATED	INPUT LOGIC		MAX	MIN		OPER.	TEMP.	DRAWINGS		MEMORY								
			1	2						OPER. CODE	WORST CASE FREQ. (Hz)		STRUC TURE CODE	OPER. POWER DISS. (W)			POWER SUP. SPAN			MAX '0' (V)	MIN '1' (V)	PROP. DELAY (s)	MIN OUTPUT CURRENT @ OUT (V)	CLOCK FREQ. (Hz)	RANGE	LOGIC/ BLOCK	OUTLINE
																	BITS PER REGISTER	No. REGS.									
1		MM5614AN	8	1	PSS	2.5M10	MCX	3.5u	0.0	5.0	0.05	9.95	1.0u	0.0	5	C	F313	ML178									
2		MM5621AN	8	1	PSS	2.5M10	MCX	3.5u	0.0	5.0	0.05	9.95	1.0u	0.0	4	8	F314	ML178									
3		CD4014AK	8	1	PSS	3.0M0	MCX	6.0m	0.0	10	0.05	9.95	225n	140u	9.5	5	C	F79	MO004AG								
4		CD4021AK	8	1	PSS	3.0M0	MCX	6.0m	0.0	10	0.05	9.95	225n	140u	9.5	5	C	F149	MO001AG								
5		HD1-4014A2	8	1	PSS	3.0M	MCX	100u	0.0	10	0.1%	9.99	225n	250u	.50	5	C	F313	ML127h								
6		HD1-4021A2	8	1	PSS	3.0M	MCX	100u	0.0	10	0.1%	9.99	225n	250u	.50	5	C	F149	ML127h								
7		HD9-4014A2	8	1	PSS	3.0M	MCX	100u	0.0	10	0.1%	9.99	225n	250u	.50	5	C	F313	FL27								
8		HD9-4021A2	8	1	PSS	3.0M	MCX	100u	0.0	10	0.1%	9.99	225n	250u	.50	5	C	F149	FL27								
9#		MB84021	8	1	PSS	3.0M*	MCX	200m	0.0	10	3.0	7.0	225n	250u	.50	5	C	F175	ML15								
10#		SIL4014BD	8	1	PSS	5.0M10	MCA	6.0m	0.0	10	0.05	9.95	200n	650u	9.5	5	C	F79	MO001AG								
11#		SIL4014BE	8	1	PSS	5.0M10	MCA	14m	0.0	10	0.05	9.95	300n	750u	9.5	4	8	F79	MO001AG								
12#		SIL4014BF	8	1	PSS	5.0M10	MCA	6.0m	0.0	10	0.05	9.95	200n	650u	9.5	5	C	F79	MO001AG								
13#		SIL4021BD	8	1	PSS	5.0M10	MCA	6.0m	0.0	10	0.05	9.95	200n	650u	9.5	5	C	F149	MO001AG								
14#		SIL4021BE	8	1	PSS	5.0M10	MCA	14m	0.0	10	0.05	9.95	300n	750u	9.5	4	8	F149	MO001AG								
15#		SIL4021BF	8	1	PSS	5.0M10	MCA	6.0m	0.0	10	0.05	9.95	200n	650u	9.5	5	C	F149	MO001AG								
16		CD4014CJ	8	1	PSS	5.0M10	MCX	14m	0.0	10	0.05	9.95	300n	80u	9.5	4	8	F79	ML127f								
17		CD4014CN	8	1	PSS	5.0M10	MCX	14m	0.0	10	0.05	9.95	300n	80u	9.5	4	8	F79	ML178								
18		CD4014D	8	1	PSS	5.0M10	MCX	100u	0.0	14	0.1%	9.99	100n	100u	9.5	5	C	F79	MO001AE								
19		CD4014MD	8	1	PSS	5.0M10	MCX	6.0m	0.0	10	0.05	9.95	225n	140u	9.5	5	C	F79	ML177								
20		CD4014MF	8	1	PSS	5.0M10	MCX	6.0m	0.0	10	0.05	9.95	225n	140u	9.5	5	C	F79	FL37								
21		CD4014MJ	8	1	PSS	5.0M10	MCX	6.0m	0.0	10	0.05	9.95	225n	140u	9.5	5	C	F79	ML127f								
22		CD4021CJ	8	1	PSS	5.0M10	MCX	14m	0.0	10	0.05	9.95	300n	80u	9.5	4	8	F149	ML127f								
23		CD4021CN	8	1	PSS	5.0M10	MCX	14m	0.0	10	0.05	9.95	300n	80u	9.5	4	8	F149	ML178								
24		CD4021MD	8	1	PSS	5.0M10	MCX	6.0m	0.0	10	0.05	9.95	225n	140u	9.5	5	C	F149	ML177								
25		CD4021MF	8	1	PSS	5.0M10	MCX	6.0m	0.0	10	0.05	9.95	225n	140u	9.5	5	C	F149	FL37								
26		CD4021MJ	8	1	PSS	5.0M10	MCX	6.0m	0.0	10	0.05	9.95	225n	140u	9.5	5	C	F149	ML127f								
27		HD1-54C165	8	1	PSS	5.0M	MCX	500m	0.0	10	2.0	8.0	200n	8.0m	10	5	C	F311	ML127h								
28		HD1-74C165	8	1	PSS	5.0M	MCX	500m	0.0	10	2.0	8.0	200n	8.0m	10	4	8	F311	ML127h								
29		HD9-54C165	8	1	PSS	5.0M	MCX	500m	0.0	10	2.0	8.0	200n	8.0m	10	5	C	F311	FL27								
30		HD9-74C165	8	1	PSS	5.0M	MCX	500m	0.0	10	2.0	8.0	200n	8.0m	10	4	8	F311	FL27								
31		DM54L165AF	8	1	PSS	14M10	BTX	47m	0.0	5.0	7.0	2.0	112n	2.0m	.30	5	C	F346	FL37								
32		DM54L165AJ	8	1	PSS	14M10	BTX	47m	0.0	5.0	7.0	2.0	112n	2.0m	.30	5	C	F346	ML127f								
33		DM54L165AN	8	1	PSS	14M10	BTX	47m	0.0	5.0	7.0	2.0	112n	2.0m	.30	5	C	F346	ML178								
34		DM74L165AF	8	1	PSS	14M10	BTX	47m	0.0	5.0	7.0	2.0	112n	3.6m	.40	0	7	F346	FL37								
35		DM74L165AJ	8	1	PSS	14M10	BTX	47m	0.0	5.0	7.0	2.0	112n	3.6m	.40	0	7	F346	ML127f								
36		DM74L165AN	8	1	PSS	14M10	BTX	47m	0.0	5.0	7.0	2.0	112n	3.6m	.40	0	7	F346	ML178								
37		DM76L90J	8	1	PSS	14M10	BTX	47m	0.0	5.0	7.0	2.0	124n	2.0m	.30	5	C	F445	ML127f								
38		DM76L90N	8	1	PSS	14M10	BTX	47m	0.0	5.0	7.0	2.0	124n	2.0m	.30	5	C	F445	ML178								
39		DM76L90W	8	1	PSS	14M10	BTX	47m	0.0	5.0	7.0	2.0	124n	2.0m	.30	5	C	F445	FL39								
40		DM86L90J	8	1	PSS	14M10	BTX	47m	0.0	5.0	7.0	2.0	124n	3.6m	.40	0	7	F445	ML127f								
41		DM86L90N	8	1	PSS	14M10	BTX	47m	0.0	5.0	7.0	2.0	124n	3.6m	.40	0	7	F445	ML178								
42		DM86L90W	8	1	PSS	14M10	BTX	47m	0.0	5.0	7.0	2.0	124n	3.6m	.40	0	7	F445	FL39								
43		CD4014BK	8	1	PSS	16M10	MCX	500m	0.0	15	4.0	11	80n	6.8m	1.5	5	C	F504	MO004AG								
44		CD4021BK	8	1	PSS	16M10	MCX	500m	0.0	15	4.0	11	80n	6.8m	1.5	5	C	F506	MO004AG								
45		DM7590D	8	1	PSS	20M10	BTX	315m	0.0	5.0	8.0	2.0	35n	16m	.40	5	C	F53	ML63								
46		DM7590J	8	1	PSS	20M10	BTX	315m	0.0	5.0	8.0	2.0	60n	16m	.40	5	C	F445	ML127f								
47		DM7590W	8	1	PSS	20M10	BTX	315m	0.0	5.0	8.0	2.0	60n	16m	.40	5	C	F445	FL39								
48		DM8590J	8	1	PSS	20M10	BTX	315m	0.0	5.0	8.0	2.0	60n	16m	.40	0	7	F445	ML127f								
49		DM8590N	8	1	PSS	20M10	BTX	315m	0.0	5.0	8.0	2.0	60n	16m	.40	0	7	F445	ML178								
50		DM8590W	8	1	PSS	20M10	BTX	315m	0.0	5.0	8.0	2.0	60n	16m	.40	0	7	F445	FL39								
51		DM54165J	8	1	PSS	20M10	BTX	315m	0.0	5.0	8.0	2.0	60n	16m	.40	5	C	F346	ML127f								
52		DM54165W	8	1	PSS	20M10	BTX	315m	0.0	5.0	8.0	2.0	60n	16m	.40	5	C	F346	FL39								
53		DM74165J	8	1	PSS	20M10	BTX	315m	0.0	5.0	8.0	2.0	60n	16m	.40	0	7	F346	ML127f								
54		DM74165N	8	1	PSS	20M10	BTX	315m	0.0	5.0	8.0	2.0	60n	16m	.40	0	7	F346	ML178								
55		DM74165W	8	1	PSS	20M10	BTX	315m	0.0	5.0	8.0	2.0	60n	16m	.40	0	7	F346	FL39								
56		MC74165F	8	1	PSS	20M	BTX	315m	0.0	5.0	40%	2.4	40n	16m	.40	0	7	F261	FL34								
57		MC74165P	8	1	PSS	20M	BTX	315m	0.0	5.0	40%	2.4	40n	16m	.40	0	7	F261	ML145								
58#		MIC54165J	8	1	PSS	20M0	BTX	315m	0.0	5.0	8.0	2.0	40n	16m	.40	5	C	F107	TO116								
59#		MIC64165J	8	1	PSS	20M0	BTX	315m	0.0	5.0	8.0	2.0	40n	16m	.40	4	8	F107	TO116								
60#		MIC74165J	8	1	PSS	20M0	BTX	315m	0.0	5.0	8.0	2.0	40n	16m	.40	0	7	F107	TO116								
61#		MIC74165N	8	1	PSS	20M0	BTX	315m	0.0	5.0	8.0	2.0	40n	16m	.40	0	7	F107	ML								
62		SN54165N	8	1	PSS	20M0	BTX	315m	0.0	5.0	8.0	2.0	40n	16m	.40	5	C	F107	ML48								
63		SN74165W	8	1	PSS	20M0	BTX	315m	0.0	5.0	8.0	2.0	40n	16m	.40	0	7	F107	MO004AG								
64#		MIC54166J	8	1	PSS	25M0	BTX	360m	0.0	5.0	8.0	2.0	30n	16m	.40	5	C	F88	TO116								
65#		MIC64166J	8	1	PSS	25M0	BTX	360m	0.0	5.0	8.0	2.0	30n	16m	.40	4	8	F88	TO116								
66#		MIC74166J	8	1	PSS	25M0	BTX	360m	0.0	5.0	8.0	2.0	30n	16m	.40	0	7	F88	TO116								
67#		MIC74166N	8	1	PSS	25M0	BTX	360m	0.0	5.0	8.0	2.0	30n	16m	.40	0	7	F88	ML								
68		SN54166N	8	1	PSS	25M0	BTX	360m	0.0	5.0	8.0	2.0	30n	16m	.40	5	C	F88	ML48								
69		SN74166W	8	1	PSS	25M0	BTX	360m	0.0	5.0	8.0	2.0	30n	16m	.40	0	7	F88	MO004AG								
70		SW74166J	8	1	PSS	25M0	BTX	360m	0.0	5.0	8.0	2.0	30n	16m	.40	0	7	F88	ML5								
71		SW74166N	8	1	PSS	25M0	BTX	360m	0.0	5.0	8.0	2.0	30n	16m	.40	0	7	F88	ML5								
72#		FJB93165	8	1	PSS	26M10	BTX	210m	0.0	5.0	8.0	2.0	40n	16m	.40	0	7	F107	ML4e								
73		DM54166J	8	1	PSS	35M10	BTX	520m	0.0	5.0	8.0	2.0	35n	16m	.40	5	C	F88	ML127f								
74		DM54166W	8	1	PSS	35M10	BTX	520m	0.0	5.0	8.0	2.0	35n	16m	.40	5	C	F88	FL39								
75		DM74166J	8	1	PSS	35M10	BTX	580m	0.0	5.0	8.0	2.0	35n	16m	.40	0	7	F88	ML127f								
76		DM74166N	8	1	PSS	35M10	BTX	580m	0																		

7. SHIFT REGISTERS

IN ORDER OF (1) No. BITS/REG(2) No. REGISTERS
(3) OP. CODE(4) MAX. W/C FREQ(5) STRUCT(6) TYPE No

MEMORY

LINE No.	TYPE No.	ORGANIZATION		OPER. CODE	4 MAX CASE FREQ. (Hz)	5 STRUCTURE CODE	MAX OPER. DISS. (W)	RATED POWER SUP.		INPUT LOGIC LEVELS		MAX PROP. DELAY (s)	MIN OUTPUT SINK CURRENT @ OUT (V)		MIN CLOCK FREQ. (Hz)	OPER. TEMP. RANGE CODE	DRAWINGS	
		1 BITS PER REGISTER	2 No. REGS.					NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)		(A)	(V)			LOGIC/BLOCK	OUTLINE
1	MC74164AF	8	1	SPS	14M%	BTX	185m†	0.0	5.0	40%	2.4	50n	8.0m	40			F179	TO86
2	MC74164AL	8	1	SPS	14M%	BTX	185m†	0.0	5.0	40%	2.4	50n	8.0m	40			F179	ML66
3	MC75164AP	8	1	SPS	14M%	BTX	185m†	0.0	5.0	40%	2.4	50n	8.0m	40			F179	ML624
4	DM75164D	8	1	SPS	20M%	BTX	270m	0.0	5.0	80	2.0	40n	8.0m	40			F179	ML63c
5	74LS164J	8	1	SPS	25M	BTD	135m	0.0	5.0	80	2.0	36n	4.0m	40			F179	FL11c
6	74LS164W	8	1	SPS	25M	BTD	135m	0.0	5.0	80	2.0	36n	4.0m	40			F179	FL11c
7	DM7570J	8	1	SPS	25M	BTX	270m	0.0	5.0	80	2.0	42n	8.0m	40			F52	ML93d
8	DM7570W	8	1	SPS	25M	BTX	270m	0.0	5.0	80	2.0	42n	8.0m	40			F52	FL41
9	DM8570J	8	1	SPS	25M	BTX	270m	0.0	5.0	80	2.0	42n	8.0m	40			F422	ML93d
10	DM8570W	8	1	SPS	25M	BTX	270m	0.0	5.0	80	2.0	42n	8.0m	40			F422	ML180
11	DM8570W	8	1	SPS	25M	BTX	270m	0.0	5.0	80	2.0	42n	8.0m	40			F422	FL41
12	DM54164J	8	1	SPS	25M	BTX	270m	0.0	5.0	80	2.0	42n	8.0m	40			F179	ML93d
13	DM54164W	8	1	SPS	25M	BTX	270m	0.0	5.0	80	2.0	42n	8.0m	40			F179	FL41
14	DM74164J	8	1	SPS	25M	BTX	270m	0.0	5.0	80	2.0	42n	8.0m	40			F179	ML93d
15	DM74164W	8	1	SPS	25M	BTX	270m	0.0	5.0	80	2.0	42n	8.0m	40			F179	FL41
16 #	MIC54164J	8	1	SPS	25M	BTX	270m	0.0	5.0	80	2.0	37n	8.0m	40			F179	TO116
17 #	MIC54164W	8	1	SPS	25M	BTX	270m	0.0	5.0	80	2.0	37n	8.0m	40			F179	TO116
18 #	MIC74164J	8	1	SPS	25M	BTX	270m	0.0	5.0	80	2.0	37n	8.0m	40			F179	TO116
19 #	MIC74164W	8	1	SPS	25M	BTX	270m	0.0	5.0	80	2.0	37n	8.0m	40			F179	TO116
20 #	DM54164J	8	1	SPS	36M	BTD	135m	0.0	5.0	70	2.0	36n	4.0m	40			F179	ML71f
21	DM54164W	8	1	SPS	36M	BTD	135m	0.0	5.0	70	2.0	36n	4.0m	40			F179	ML93d
22	DM54164W	8	1	SPS	36M	BTD	135m	0.0	5.0	70	2.0	36n	4.0m	40			F179	FL41
23	DM74164J	8	1	SPS	36M	BTD	135m	0.0	5.0	80	2.0	36n	4.0m	40			F179	ML93d
24	DM74164W	8	1	SPS	36M	BTD	135m	0.0	5.0	80	2.0	36n	4.0m	40			F179	ML180
25	DM74164W	8	1	SPS	36M	BTD	135m	0.0	5.0	80	2.0	36n	4.0m	40			F179	FL41
26 #	FJB93164	8	1	SPS	36M	BTX	185m†	0.0	5.0	80	2.0	42n	8.0m	40			F179	ML19g
27 #	25LS222JC	8	1	SPS	50M	BTD	325m	0.0	5.0	80	2.0s	30n	4.0m	40			F428	ML
28	25LS222JC	8	1	SPS	50M	BTD	325m	0.0	5.0	70	2.0s	30n	4.0m	40			F428	ML
29	25LS222WC	8	1	SPS	50M	BTD	325m	0.0	5.0	80	2.0s	30n	4.0m	40			F428	ML
30	25LS222WM	8	1	SPS	50M	BTD	325m	0.0	5.0	70	2.0s	30n	4.0m	40			F428	ML
31	25LS223JC	8	1	SPS	50M†	BTD	185m	0.0	5.0	80	2.0s	23n†	4.0m	40			F429	ML
32	25LS223JC	8	1	SPS	50M†	BTD	185m	0.0	5.0	70	2.0s	23n†	4.0m	40			F429	ML
33	25LS223WC	8	1	SPS	50M†	BTD	185m	0.0	5.0	80	2.0s	23n†	4.0m	40			F429	ML
34	25LS223WM	8	1	SPS	50M†	BTD	185m	0.0	5.0	70	2.0s	23n†	4.0m	40			F429	ML
35	25LS2299JC	8	1	SPS	50M†	BTD	285m	0.0	5.0	70	2.0s	27n†	4.0m	40			F427	ML
36	25LS2299JM	8	1	SPS	50M†	BTD	285m	0.0	5.0	70	2.0s	27n†	4.0m	40			F427	ML
37	25LS2299WC	8	1	SPS	50M†	BTD	285m	0.0	5.0	80	2.0s	27n†	4.0m	40			F427	ML
38	25LS2299WM	8	1	SPS	50M†	BTD	285m	0.0	5.0	70	2.0s	27n†	4.0m	40			F427	ML
39 #	M5391P	8	1	SPS	165m†	BTX	165m†	0.0	5.0	40%	2.4	40n	18m	40			F35a	TO116
40	MC14014CL	8	1	SPS	1.0MΔ	MCX	1.0m	0.0	10	01%	9.99	500u	50			F274	ML5	
41	MC14014CP	8	1	SPS	1.0MΔ	MCX	1.0m	0.0	10	01%	9.99	500u	50			F274	ML145	
42	MC14014AL	8	1	SPS	1.5M	MCX	100u	0.0	10	01%	9.99	900u	50			F274	ML	
43	MC14549AL	8	1	SPS	3.0MΔ†	MCX	120m	0.0	10	05%	9.99	650u	50			F260	ML60b	
44	MC14549CL	8	1	SPS	3.0MΔ†	MCX	28m	0.0	10	05%	9.99	450u	400u	50			F260	ML60b
45	MC14549CP	8	1	SPS	3.0MΔ†	MCX	28m	0.0	10	05%	9.99	450u	400u	50			F260	ML5b
46	MC14559AL	8	1	SPS	3.0MΔ†	MCX	120m	0.0	10	05%	9.99	250u	650u	50			F260a	ML60b
47	MC14559CL	8	1	SPS	3.0MΔ†	MCX	28m	0.0	10	05%	9.99	450u	400u	50			F260a	ML60b
48	MC14559CP	8	1	SPS	3.0MΔ†	MCX	28m	0.0	10	05%	9.99	450u	400u	50			F260a	ML5b
49 #	SZ7410	8	1	SPS	6.0M	MCX	17m†	0.0	5.0	70	3.5	100n	1.6m	40			F230	ML4a
50	SN74L91T	8	1	SPS	150M†	BTX	150M†	0.0	5.0	70	2.0	150n	3.6m	40			F91	TO84
51	DM54L91F	8	1	SPS	130M†	BTX	33m	0.0	5.0	70	2.0	130n	2.0m	30			F91	FL43
52	DM54L91J	8	1	SPS	130M†	BTX	33m	0.0	5.0	70	2.0	130n	2.0m	30			F91	ML93d
53	DM54L91N	8	1	SPS	130M†	BTX	33m	0.0	5.0	70	2.0	130n	2.0m	30			F91	ML180
54	DM74L91F	8	1	SPS	8.0M†	BTX	33m	0.0	5.0	70	2.0	130n	1.6m	40			F91	FL43
55	DM74L91J	8	1	SPS	8.0M†	BTX	33m	0.0	5.0	70	2.0	130n	1.6m	40			F91	ML93d
56	DM74L91N	8	1	SPS	8.0M†	BTX	33m	0.0	5.0	70	2.0	130n	1.6m	40			F91	ML180
57	54LS91J	8	1	SPS	10M	BTD	100m	0.0	5.0	70	2.0	40n	4.0m	40			F91	ML93c
58	54LS91W	8	1	SPS	10M	BTD	100m	0.0	5.0	70	2.0	40n	4.0m	40			F91	FL11c
59	74LS91J	8	1	SPS	10M	BTD	100m	0.0	5.0	80	2.0	40n	4.0m	40			F91	ML63c
60	74LS91W	8	1	SPS	10M	BTD	100m	0.0	5.0	80	2.0	40n	4.0m	40			F91	FL11c
61 #	FJJ151	8	1	SPS	10M	BTX	175m†	0.0	5.0	80	2.0	40n	16m	40			F144	ML123
62 #	FJJ151-7491A	8	1	SPS	10M	BTX	175m†	0.0	5.0	80	2.0	40n	16m	40			F144	TO116
63 #	FJJ151A-7491A	8	1	SPS	10M	BTX	175m†	0.0	5.0	80	2.0	40n	16m	40			F144	TO116
64 #	HD2524	8	1	SPS	10M*	BTX	304m	0.0	5.0	80	2.0	40n	1.6m	40			F35	ML100
65	HD2524P	8	1	SPS	10M*	BTX	304m	0.0	5.0	80	2.0	40n	1.6m	40			F35	ML84c
66	MC5491AL	8	1	SPS	10M	BTX	175m†	0.0	5.0	40%	2.4	40n	16m	40			F35	ML66
67	MC7491AL	8	1	SPS	10M	BTX	175m†	0.0	5.0	40%	2.4	40n	16m	40			F35	ML66
68	MC7491AP	8	1	SPS	10M	BTX	175m†	0.0	5.0	40%	2.4	40n	16m	40			F35	ML124
69	MC8391F	8	1	SPS	10M	BTX	175m†	0.0	5.0	40%	2.4	40n	16m	40			F35b	FL32
70	MC8391P	8	1	SPS	10M	BTX	175m†	0.0	5.0	40%	2.4	40n	16m	40			F35	ML66
71	MC8391P	8	1	SPS	10M	BTX	175m†	0.0	5.0	40%	2.4	40n	16m	40			F35	ML124
72	MC9391F	8	1	SPS	10M	BTX	175m†	0.0	5.0	40%	2.4	40n	16m	40			F35b	FL32
73	MC9391F	8	1	SPS	10M	BTX	175m†	0.0	5.0	40%	2.4	40n	16m	40			F35	ML66
74	N7491Q	8	1	SPS	10M	BTX	175m†	0.0	5.0	80	2.0	40n	16m	40			F91	FL19
75	S5491Q	8	1	SPS	10M	BTX	175m†	0.0	5.0	80	2.0	40n	16m	40			F91	FL19
76	SN5491AN	8	1	SPS	10M	BTX	175m†	0.0	5.0	80	2.0	40n	16m	40			F91	ML71
77 #	MIC5491AJ	8	1	SPS	18M†	BTX	175m†	0.0	5.0	80	2.0	40n	16m	40			F91	TO116
78 #	MIC6491AJ	8	1	SPS	18M†	BTX	175m†	0.0	5.0	80	2.0	40n	16m	40			F91	TO116
79 #	MIC7491AJ	8	1	SPS	18M†	BTX	175m†	0.0	5.0	80	2.0	40n	16m	40			F91	TO116
80 #	MIC7491AN	8	1	SPS	18M†	BTX	175m†	0.0	5.0	80	2.0	40n	16m	40			F91	ML71f
81	SW5491AJ	8	1	SPS	18M	BTX	250m	0.0	5.0	80	2.0							

7. SHIFT REGISTERS

IN ORDER OF (1) No. BITS/REG(2) No. REGISTERS
(3) OP. CODE(4) MAX W/C FREQ(5) STRUCT(6) TYPE No

LINE No.	TYPE No.	ORGANIZATION		3] OPER. CODE	4] MAX WORST CASE FREQ. (Hz)	5] STRUCTURE CODE	MAX OPER. POWER DISS. (W)	RATED SUP. SPAN		INPUT LOGIC LEVELS		MAX PROP. DELAY (s)	MIN OUTPUT SINK CURRENT		MIN CLOCK FREQ. (Hz)	OPER. TEMP. RANGE CODE	DRAWINGS	
		1] BITS PER REGISTER	2] No. REGS					NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)		(A)	@ OUT (V)			LOGIC/BLOCK	OUTLINE
1	S1709L	8	13	PPD	100k	MPA	510m	12	5.0	.40	3.5	6.5u*					F46	ML23b
2	S1709	8	13	PPD	100k	MPX	100k	12	5.0	.40	3.5	6.5u*	1.6m	.30	10k		F46a	ML118b
3	512T	10	1		5.0M	BDX	260m	0.0	7.0	.45	2.0	30n						PL11
4	512T	10	1		2.0M	BTX	300m	0.0	7.0	.45	2.0	25n						PL11
5#	MB454	10	1	PPS	4.0M*	BTX	60m	0.0	5.0	.80	2.0	160n					F391	ML15
6#	MB454M	10	1	PPS	4.0M*	BTX	60m	0.0	5.0	.80	2.0	160n					F391	ML221
7	N8274E	10	1	PPS	1.0M	BTX	57m	0.0	5.0	.40	2.6	50n	16m	.40			F168	ML61c
8	N8274R	10	1	PPS	1.0M	BTX	57m	0.0	5.0	.40	2.6	50n	16m	.40			F168	FL18
9	S8274E	10	1	PPS	1.0M	BTX	57m	0.0	5.0	.40	2.6	50n	16m	.40			F168	ML61c
10	S8274R	10	1	PPS	1.0M	BTX	57m	0.0	5.0	.40	2.6	50n	16m	.40			F168	FL18
11	N8273E	10	1	PPS	2.5M	BTX	54m	0.0	5.0	.40	2.6	40n	9.6m	.40			F167	ML61c
12	N8273R	10	1	PPS	2.5M	BTX	54m	0.0	5.0	.40	2.6	40n	9.6m	.40			F167	FL18
13	S8273E	10	1	PPS	2.5M	BTX	54m	0.0	5.0	.40	2.6	40n	9.6m	.40			F167	ML61c
14	S8273R	10	1	PPS	2.5M	BTX	54m	0.0	5.0	.40	2.6	40n	9.6m	.40			F167	FL18
15#	S8274	10	1	PPS	2.5M	BTX	57m	0.0	5.0	.40	2.6	40n	16m	.40			F168	ML60a
16	MM5081	10	1	SPS	50k	MPX		-16	0.0	-2.5	-7.0	2.0u		-55			F69	ML63
17	ISRO253	10	1	SSS	5.0M	BDX	525m	0.0	5.0	.95	2.0	90n					F213	PL6
18	ISR253	10	1	SSS	5.0M	BDX	525m	0.0	5.0	.95	2.0	90n					F213	PL6
19#	MP210BE	10	4	SSS	1.0M	MPX	250m	24	0.0	-3.5	-10						F82	ML19d
20#	MP210BF	10	4	SSS	1.0M	MPX	250m	24	0.0	-3.5	-10						F82	FL17
21	5519	12	2	PPS	25M	BTX	750m	0.0	5.0	.80	2.0	29n						PL11
22	D4208	12	2	PPS	1.0M	BTX	1.5	0.0	5.0	.80	2.0	70n						PL7
23#	HD3118P	12	2	SSD	1.0M	MPX	150m	24	0.0	-9.0*	-4.0#	2.0u			10k		F217	ML64c
24#	MP212BE	12	4	SSS	1.0M	MPX	250m	24	0.0	-3.5	-10						F82	ML19d
25#	MP212BF	12	4	SSS	1.0M	MPX	250m	24	0.0	-3.5	-10						F82	FL17
26	5552BM	16	1	PPS	1.0M	BTX	425m	0.0	5.0	.70	2.0						F60a	FL13
27	5552CM	16	1	PPS	1.0M	BTX	425m	0.0	5.0	.70	2.0						F60a	FL13
28#	M58201P	16	1	SSS	100k	MXX	120m	14	0.0	-9.0	-3.5	1.5u					F157	ML5a
29	UC6316	16	2	PPS	2.0M	MPA	350m	12	5.0	.80	3.5	225n	1.6m	.50			F121	TO99
30	UC7316	16	2	PPS	2.0M	MPA	350m	12	5.0	.80	3.5	225n	1.6m	.50			F121	TO99
31	SS7-8211	16	2	PPS	2.0M	MPX	150m	0.0	5.0	.80	-1.5	300n	1.6m	.40			F27	ML7
32#	HD3116P	16	2	SSD	1.0M	MPX	200m	24	0.0	-9.0*	-4.0#	2.0u			10k		F186	ML64c
33	TMS3016LR	16	2	SSD	1.0M	MPT	450m	28	0.0	-2.0	-9.0	400n	1.0m	-11			F95e	TO100
34	3304-4-5F	16	2	SSS	1.0M	MPX	200m	27	0.0	-2.0	-9.0						F3a	TO100
35	3304-9-5F	16	2	SSS	1.0M	MPX	200m	27	0.0	-2.0	-9.0	10u					F3a	TO100
36#	M122T1	16	2	SSS	1.0M	MPX	200m	27	0.0	-2.0	-9.0						F3a	TO100
37#	M122T8	16	2	SSS	1.0M	MPX	200m	27	0.0	-2.0	-9.0						F3a	TO100
38	MM404H	16	2	SSS	1.0M	MPX	300m	18	0.0	-7.0*	2.5#						F256a	TO99
39	MM504H	16	2	SSS	1.0M	MPX	300m	18	0.0	-7.0*	2.5#						F256a	TO99
40	SS6-8211	16	2	SSS	2.0M	MPT	190m	12	5.0	.80	3.5	220n	1.6m	.40			F27	ML65
41	SS6-8212	16	2	SSS	2.0M	MPT	190m	12	5.0	.80	3.5	220n	1.6m	.40			F25	CY4b
42	SS7-8212	16	2	SSS	2.0M	MPX	150m	0.0	5.0	.80	-1.5	250n	1.6m	.40			F25	ML64
43	MM4040H	16	2	SSS	2.2M	MPX	221m	12	5.0	.80	3.0	300n	1.6m	.40			F256a	TO99
44	MM5040H	16	2	SSS	2.2M	MPX	221m	12	5.0	.80	3.0	300n	1.6m	.40			F256a	TO99
45	MEM3021B	16	3	SSS	250k	MPT	146m	27	0.0	-2.0	-10		500u	-1.0			F24	CY4
46	3300-4-5F	16	3	SSS	250k	MPX	50m	27	0.0	-2.0	-9.0	1.0u	10u	-1.0			F3	TO100
47#	M120T1	16	3	SSS	250k	MPX	50m	27	0.0	-2.0	-9.0	1.2u	10u	-1.0			F3	TO100
48#	M120T8	16	3	SSS	250k	MPX	50m	27	0.0	-2.0	-9.0	1.2u	10u	-1.0			F3	TO100
49	MEM3021	16	3	SSS	500k	MPT	146m	27	0.0	-2.0	-10		500u	-1.0			F24	CY4
50	CRC1504-1-2	16	4	SSD	1.0M	MPN	700u	12	5.0	0.5	4.3		1.6m	.40	50k		F137	ML59
51	CRC1504-2-2	16	4	SSD	1.0M	MPN	700u	12	5.0	0.5	4.3		1.6m	.40	50k		F137	FL3
52	EA1208	16	4	SSD	3.0M	MPX	800m	28	0.0	-1.5	-9.0	80n			10k		F16b	ML63
53#	FDN186	16	4	SSD	3.0M	MPX	800m	28	0.0	-9.0	1.5	100n			10k		F16b	TO116
54	CD40105BK	16	4	SSD	6.0M	MCX	500m	0.0	10	0.01*	10	45n	1.8m	.50			F373	M0004AC
55	CD40105BY	16	4	SSD	6.0M	MCX	500m	0.0	10	0.01*	10	45n	1.8m	.50			F373	M0004AC
56	3305-4-5F	16	4	SSS	1.0M	MPX	200m	27	0.0	-2.0	-9.0	500n	10u	-1.0			F5	TO100
57	3305-4-6J	16	4	SSS	1.0M	MPX	200m	27	0.0	-2.0	-9.0	500n	10u	-1.0			F5	ML17
58#	MP216BE	16	4	SSS	1.0M	MPX	250m	24	0.0	-3.5	-10						F82	ML19d
59#	MP216BF	16	4	SSS	1.0M	MPX	250m	24	0.0	-3.5	-10						F82	FL17
60	5551BM	20	1	PPS	1.0M	BTX	510m	0.0	5.0	.70	2.0						F60	FL13
61	5551CM	20	1	PPS	1.0M	BTX	510m	0.0	5.0	.70	2.0						F60	FL13
62#	53MA14-1	24	1	SSD	1.0M	MPX	3.5m	20	0.0	-4.0	-12	100n	1.0n	-20	100		F12	CY3
63#	MP224B	24	1	SSD	2.0M	MPX	50m	16	0.0	-4.5	-10				10k		F85	TO99
64#	M121T1	25	2	SSD	500k	MPX	2.0m	27	0.0	-2.0	-9.0				10k		F4	TO100
65#	M121T8	25	2	SSD	500k	MPX	2.0m	27	0.0	-2.0	-9.0				10k		F4	TO100
66	3303-4-5F	25	2	SSS	500k	MPX		15	0.0	-2.0	-9.0				10k		F4	TO100
67	3303-9-5F	25	2	SSS	500k	MPX		15	0.0	-2.0	-9.0				10k		F4	TO100
68	MM400H	25	2	SSS	1.0M	MPX	500m	5.0	5.0	2.0	-7.0	1.6m	.40	600			F54	TO99
69	MM401H	25	2	SSS	1.0M	MPX	500m	5.0	5.0	2.0	-7.0	1.6m	.40	600			F54a	TO99
70	MM500H	25	2	SSS	1.0M	MPX	500m	5.0	5.0	2.0	-7.0	1.6m	.40	600			F54	TO99
71	MM501H	25	2	SSS	1.0M	MPX	500m	5.0	5.0	2.0	-7.0	1.6m	.40	600			F54a	TO99
72	TMS3000LR	25	2	SSD	1.0M	MPT	450m	-28	0.0	-2.0	-9.0	475n	1.0m	-11			F95	TO100
73	SL6-4025	25	4	SSS	1.0M	MPT	300m	12	5.0	.80	3.5	400n	1.6m	.40			F26	ML9
74	SL7-4025	25	4	SSS	1.0M	MPT	300m	12	5.0	.80	3.5	450n	1.6m	.40			F26	ML64
75	MC52104	25	4	SSS	2.0M	MPN	300m	12	5.0	.70	3.5	240n					F95g	ML7
76	CD40100BK	32	1	SSS	3.0M	MCX	500m	0.0	15	.05	14.9	230n	3.4m	1.5			F465	M0004AC
77#	55MA25-1	32	2	SSD	1.0M	MPX	3.0m	20	0.0	-4.0	-12				100		F12a	CY2a
78	M124T1	32	2	SSS	1.0M	MPC	85m	16	0.0	-7.0	-2.5	750n	1.0m	-11			F120i	TO99
79	TMS3001LR	32	2	SSS	1.0M	MPT	450m	-28	0.0	-2.0	-9.0	475n	1.0m	-11			F95a	TO100
80	MM405H	32	2	SSS	1.0M	MPX	300m	18	0.0	-7.0*	2.5#						F256a	TO99
81	MM505H	32	2	SSS	1.0M	MPX	300m	18	0.0	-7.0*	2.5#						F256a	TO99
82	MM4050	32	2	SSS	1.0M	MPX		12	5.0	1.0*	2.5	500n	1.6m	.80			F66	TO99
83	MM4051	32	2	SSS	1.0M	MPX		12	5.0	1.0*	2.5	500n	1.6m	.80			F67	TO99
84	MM5050	32	2	SSS	1.0M	MPX		12	5.0	1.0*	2.5	500n	1					

7. SHIFT REGISTERS

IN ORDER OF (1) No. BITS / REG (2) No. REGISTERS
(3) OP. CODE (4) MAX W/C FREQ (5) STRUCT (6) TYPE No

MEMORY

LINE No.	TYPE No.	ORGANIZATION		3 OPER. CODE	4 MAX WORST CASE FREQ. (Hz)	5 STRUCTURE CODE	MAX OPER. POWER DISS. (W)	RATED POWER SUP. SPAN		INPUT LOGIC LEVELS		MAX PROP. DELAY (s)	MIN OUTPUT SINK CURRENT		CLOCK FREQ. (Hz)	OPER. TEMP. RANGE CODE	DRAWINGS		
		1 BITS PER REGISTER	2 No. REGS					NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)		(A)	@ (V)			LOGIC/BLOCK	OUTLINE	
1	EA1200	32	4	SSD	3.0M	MPX	300m	28	0.0	-1.5	-9.0	70nt			5	8	F16	ML63	
2#	FDN106	32	4	SSD	3.0M	MPX	300m	28	0.0	-9.0	-1.5	100n			5	8	F16	TO116	
3	SL6-4032	32	4	SSS	1.0M	MPT	300m	12	5.0	.80	3.5	400nt	1.6m	.40	5	8	F26	ML9	
4	SL7-4032	32	4	SSS	1.0M	MPT	300m	12	5.0	.80	3.5	450nt	1.6m	.40	5	8	F26	ML84	
5#	MMS544	32	4	SSS	2.0M	MCX	1.5m	0.0	5.0	.80	3.6	1.0u	1.6m	.40	3	8	F39a	ML222	
6	TMS3122JC	32	6	SSS	2.0M	MPT	500m	12	5.0	1.0	3.7	440n	1.6m	.60	2	8	F98a	ML82	
7	TMS3122NC	32	6	SSS	2.0M	MPT	500m	12	5.0	1.0	3.7	440n	1.6m	.60	2	8	F98a	ML48a	
8	TMS3123JC	32	6	SSS	2.0M	MPT	500m	12	5.0	1.0	3.7	400n	2.0m	.60	2	8	F98b	ML119	
9	TMS3123NC	32	6	SSS	2.0M	MPT	500m	12	5.0	1.0	3.2	400n	2.0m	.60	2	8	F98b	ML3	
10	TMS3112JC	32	6	SSS	2.0M	MPX	500m	12	5.0	1.0	3.7	440n	1.6m	.60	2	8	F475	ML207	
11	TMS3112NC	32	6	SSS	2.0M	MPX	500m	12	5.0	1.0	3.7	440n	1.6m	.60	2	8	F475	ML23	
12	MK4012P	32	8	PPS	500k	MXS	500m	12	5.0	0.0	3.25		1.6m	.40	2	0	F231	ML7	
13	RS03G	40	2	SSS	1.0M		450m	15	0.0	-3.5	-9.0				5	0	F43	TO100	
14	RS53G	40	2	SSS	1.0M		450m	15	0.0	-3.5	-9.0				5	0	F43	TO100	
15	S1708	40	4	SSD	1.0M	MPI	400m	12	5.0	.90	4.0	200n	1.6m	.40	5	0	F44a	CY6	
16#	HD3117P	44	2	SSD	100k	MPX	60m	24	0.0	-9.0*	-4.0#	1.5u			2	7	F183	ML64c	
17#	M5823P	44	2	SSD	100k	MPX	40m	14	0.0	-9.0	-3.0	3.5u			0	7	F41	TO116	
18#	M58232P	48	2	SSD	100k	MPX	150m	14	0.0	-9.0	-3.5	2.0u			1	7	F159	ML5a	
19#	TL1161G	50	2	MPX	2.0M	SSS	680m	15	0.0	-3.0	-9.0	250n	1.6m	.50	5	0	F34	CY1b	
20	UC7355	50	2	PPS	2.0M	MPA	350m	12	5.0	.80	3.5	250n	1.6m	.50	5	0	F121	TO99	
21	RD55D	50	2	SSD	1.0M		475m	20	0.0	-3.5	-9.0		1.5m	0.0	2	7	F8	FL5a	
22	RD55G	50	2	SSD	1.0M		450m	20	0.0	-3.5	-9.0		1.5m	0.0	2	7	F8a	CY1	
23	MM402H	50	2	SSD	1.0M	MPX	500m	5.0	5.0	2.0	-7.0		1.6m	.40	600	0	5	F54b	TO99
24	MM403H	50	2	SSD	1.0M	MPX	500m	5.0	5.0	2.0	-7.0		1.6m	.40	600	0	5	F54c	TO99
25	MM502H	50	2	SSD	1.0M	MPX	500m	5.0	5.0	2.0	-7.0		1.6m	.40	600	0	2	F54b	TO99
26	MM503H	50	2	SSD	1.0M	MPX	500m	5.0	5.0	2.0	-7.0		1.6m	.40	600	0	2	F54c	TO99
27	RD05D	50	2	SSD	1.0M	MPX	475m	20	0.0	-3.5	-9.0		1.5m	0.0	1.0k	0	5	F8	FL5a
28	RD05G	50	2	SSD	1.0M	MPX	450m	20	0.0	-3.5	-9.0		1.5m	0.0	1.0k	0	5	F8a	CY1
29	RD12C	50	2	SSD	1.0M	MPX	10m	0.0	5.0	1.3	3.3	400n	300u	0.0	1.0k	0	5	F10	FL16
30	RD12F	50	2	SSD	1.0M	MPX	10m	0.0	5.0	1.3	3.3	400n	300u	0.0	1.0k	0	5	F10a	CY2
31	MTS1100	50	2	SSD	2.0M	MPC	100m	10	0.0	7.0	2.0	350n			10k	2	8	F392	ML64e
32#	MMS540	50	2	SSD	5.0M	MCX	750u	0.0	5.0	.80	3.6	500n	15u	.20	10k	3	8	F9	FL16
33	RD07C	50	2	SSD	5.0M	MNT	500u	15	0.0	-3.5	-9.0		400u	0.0	1.0k	0	5	F9	CY2
34	RD07F	50	2	SSD	5.0M	MNT	500u	15	0.0	-3.5	-9.0		400u	0.0	1.0k	0	5	F9	FL16
35	RD10C	50	2	SSD	10M	MNT	500u	15	0.0	-3.5	-9.0		400u	0.0	1.0k	0	5	F9	CY2
36	RD10F	50	2	SSD	10M	MNT	500u	15	0.0	-3.5	-9.0		400u	0.0	1.0k	0	5	F9	CY2
37	SL7-2050	50	2	SSS	1.0M	MPN	260m	0.0	5.0	.80	-1.5	400n	1.6m	.40	0	7	F25a	CY4b	
38	SL6-2050	50	2	SSS	1.0M	MPT	300m	12	5.0	.80	3.5	400nt	1.6m	.40	5	0	F25	TO100	
39	TMS3002LR	50	2	SSS	1.0M	MPT	450m	28	0.0	-2.0	-9.0	400n	1.0m	-1.1	5	8	F95b	TO100	
40	EA1013	50	2	SSS	1.5M	MPA	300m	14	12	10	3.0	550n			5	8			
41	MC1161G	50	2	SSS	2.0M	MPX	680m	12	0.0	-3.0	-9.0	250n			5	8	F34	CY1b	
42	EA1012	50	2	SSS	3.0M	MPA	250m	14	12	10	3.0	275n			5	8			
43#	M5826P	52	2	SSD	100k	MPX	47m	14	0.0	-9.0	-3.0	3.5u			5.0k	0	7	F41	TO116
44#	M5825P	60	2	SSD	100k	MPX	54m	14	0.0	-9.0	-3.0	3.5u			5.0k	0	7	F41a	TO116
45#	HD3109P	60	3	SSD	100k	MPX	70m	24	0.0	-9.0*	-4.0#	3.0u			10k	2	7	F182	ML88a
46#	HD3119P	60	3	SSD	100k	MPX	70m	24	0.0	-9.0*	-4.0#	1.5u			10k	2	7	F187	ML94a
47	TMS3314JC	60	6	SSD	2.0M	MPT	280m	14	0.0	.30	-8.0	300n	2.0m	-14	10k	2	8	F116	ML82
48	TMS3314JR	60	6	SSD	2.0M	MPT	280m	14	0.0	.30	-8.0	300n	2.0m	-14	10k	5	8	F101	ML43a
49	TMS3314NC	60	6	SSD	2.0M	MPT	280m	14	0.0	.30	-8.0	300n	2.0m	-14	10k	2	8	F116	ML48a
50#	HD3224P	64	1	SSD	1.0M	MPX	300m	28	0.0	-1.5	-9.0	300nt			10k	5	8	F17a	ML94a
51	EA1203	64	1	SSD	1.0M	MPX	300m	28	0.0	-1.5	-9.0	300nt			10k	5	8	F17a	ML63
52#	FDN136	64	1	SSD	1.0M	MPX	800m	28	0.0	-9.0	-1.5	80n			10k	5	8	F17	TO116
53#	GDN116	64	1	SSD	2.0M		30	0.0	-1.0	-24			100u	27	10k	5	8	F170	TO87
54#	GDN116A	64	1	SSD	2.0M		30	0.0	-1.0	-24			100u	27	10k	5	8	F170a	TO74
55	3320-4-5F	64	1	SSD	2.0M	MPX	200u	27	0.0	-1.0	-24				10k	5	8	F7	TO100
56	EA1202	64	1	SSD	3.0M	MPX	300m	28	0.0	-1.5	-9.0	70nt			10k	5	8	F17	ML63
57#	FDN126	64	1	SSD	3.0M	MPX	800m	28	0.0	-9.0	-1.5	80n			10k	5	8	F17a	TO116
58#	GYN101A	64	1	SSS	3.0M	MPX	250m	5.0	5.0	-4.2	-1.5	90n			0	7	F228	CY4a	
59	CD4031AY	64	1	SSS	1.0M	MCX	14m	0.0	10	.05	9.95	800n	80u	.50	4	8	F176	MO001AC	
60	SCL51360F	64	1	SSS	1.0M	MCX	2.0u	0.0	5.0	.50	4.5				5	5	F56	TO86	
61	SCL51360T	64	1	SSS	1.0M	MCX	2.0u	0.0	5.0	.50	4.5				5	5	F57	TO87	
62	SCL51362F	64	1	SSS	1.0M	MCX	4.0u	0.0	5.0	.50	4.5				5	5	F56	TO86	
63	SCL51362T	64	1	SSS	1.0M	MCX	4.0u	0.0	5.0	.50	4.5				5	5	F57	TO87	
64	CD4031AK	64	1	SSS	2.0M	MCX	15m	0.0	10	.05	9.95	400n	140u	0.5	5	0	F176	MO004AC	
65	MC14557CL	64	1	SSS	2.7M	MCX	14m	0.0	10	.05	9.95	510n	400u	.50	4	8	F299	ML157a	
66	MC14557CP	64	1	SSS	2.7M	MCX	14m	0.0	10	.05	9.95	510n	400u	.50	4	8	F299	ML145	
67	CD4031BCJ	64	1	SSS	5.0M	MCX	1.2m	0.0	15	4.0	11	200n	3.0m	1.5	4	8	F515	ML127f	
68	CD4031BCN	64	1	SSS	5.0M	MCX	1.2m	0.0	15	4.0	11	200n	3.0m	1.5	4	8	F515	ML178	
69	CD4031BMJ	64	1	SSS	5.0M	MCX	300u	0.0	15	4.0	11	200n	3.4m	1.5	5	5	F515	ML127f	
70	CD4031BMW	64	1	SSS	5.0M	MCX	300u	0.0	15	4.0	11	200n	3.4m	1.5	5	5	F515	FL37a	
71	MC14557AL	64	1	SSS	5.0M	MCX	14m	0.0	10	.05	9.95	255n	650u	.50	5	0	F299	ML157a	
72	SCL5132H	64	1	SSS	10M	MCX	200m	0.0	10	.05	9.95	300n	120u	.95	5	0	F190	CHZ	
73	SCL5132T	64	1	SSS	10M	MCX	200m	0.0	10	.05	9.95	300n	120u	.95	5	0	F190b	CY1c	
74	SCL5136D	64	1	SSS	10M	MCX	200m	0.0	10	.05	9.95	300n	120u	.95	5	0	F190	ML62a	
75	SCL5136F	64	1	SSS	10M	MCX	200m	0.0	10	.05	9.95	300n	120u	.95	5	0	F190	FL11a	
76	SCL5136H	64	1	SSS	10M	MCX	200m	0.0	10	.05	9.95	300n	120u	.95	5	0	F190	CHZ	
77	SCL5136T	64	1	SSS	10M	MCX	200m	0.0	10	.05	9.95	300n	120u	.95	5	0	F190a	CY1c	
78	SCL51380F	64	1	SSS	10M	MCX	6.0u	0.0	15	.50	14.5				5	5	F56	TO86	
79	SCL51380T	64	1	SSS	10M	MCX	6.0u	0.0	15	.50	14.5				5	5	F57	TO87	
80	S																		

7. SHIFT REGISTERS

IN ORDER OF (1)NO.BITS/REG(2)NO.REGISTERS
(3)OP.CODE(4)MAX W/C FREQ(5)STRUCT(6)TYPE No

LINE No.	6 TYPE No.	ORGANIZATION		3 OPER. CODE	4 MAX WORST CASE FREQ. (Hz)	5 STRUC TURE CODE	MAX OPER. POWER DISS. (W)	RATED POWER SUP. SPAN		INPUT LOGIC LEVELS		MAX PROP. DELAY (s)	MIN OUTPUT SINK CURRENT		MIN CLOCK FREQ. (Hz)	OPER. TEMP. RANGE CODE	DRAWINGS		
		1 BITS PER REGISTER	2 No. REGS					NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)		@ OUT (V)	LOGIC/ BLOCK			OUTLINE		
																		+	-
1	TMS3305LR	64	3	SSD	5.0m	MPT	350m	14	0.0	-3.0	-8.0	250n	500n	2.0k	5	8	F99a	TO100	
2	3325-9-5F	64	4	PSD	1.0M	MPG	190m	0.0	5.0	80	4.0	40n	10k	1.0k	0	7	F72	TO100	
3	HD3508	64	4	SSD		MPG	600m	5.0	5.0	80	3.5		10k	10k	2	7	F20a	ML88a	
4	MM4105H	64	4	SSD	1.4M	MPX	136m	12	5.0	80	3.5	200n	1.6m	10k	5	8	PN10d	TO100	
5	MM5105H	64	4	SSD	1.4M	MPX	136m	12	5.0	80	3.5	200n	1.6m	10k	5	8	PN10d	TO100	
6	TMS3121JC	64	4	SSD	2.5M	MPX	355m	12	5.0	80	3.4	400n	1.6m	10k	2	8	F119	ML206	
7	TMS3121NC	64	4	SSD	2.5M	MPX	355m	12	5.0	80	3.4	400n	1.6m	10k	2	8	F119	ML209	
8	MP3417B	64	4	SSD	3.0M	MPT	300m	-12	5.0	80	3.7	100n	1.6m	10k	2	8	F319	ML1d	
9	TMS3417JC	64	4	SSD	5.0M	MPX	400m	12	5.0	80	3.0	160n	1.6m	10k	2	8	F119	ML19	
10	TMS3417NC	64	4	SSD	5.0M	MPX	400m	12	5.0	80	3.0	160n	1.6m	10k	2	8	F119	ML48a	
11	GZF1106	64	4	SSS	2.0M	MCT	100u	0.0	5.0	1.5	3.5	350n	1.6m	10k	4	8	F327	ML2	
12	UC7325#3	64	4	SSS	2.5M	MPX		15	5.0	60	2.35		1.6m	10k	0	7	F120e	ML19	
13	TL1141G	66	3	MPG	1.0M	SSD	1.0m	13	0.0	-3.0	-9.0			10k	0	7	F32	CY1b	
14	RD13G	66	3	SSD	1.0M		125m	15	0.0	-3.5	-9.0			10k	5	8	F32	TO100	
15	RD63G	66	3	SSD	1.0M		125m	15	0.0	-3.5	-9.0			10k	2	7	F32	TO100	
16	CRC1505-1-3	66	3	SSD	1.0M	MPC		14	0.0	-3.0	-9.0			10k	0	7	F136	ML6	
17	CRC1505-2-3	66	3	SSD	1.0M	MPC		14	0.0	-3.0	-9.0			10k	0	7	F136	FL5	
18	CRC1505-3-3	66	3	SSD	1.0M	MPC		14	0.0	-3.0	-9.0			10k	0	7	F136	TO100	
19	DL1-3066	66	3	SSD	1.0M	MPX	150m	13	0.0	-2.0	-26	25u	500m	2.0	10k	5	8	F146	TO100
20	MC1141G	66	3	SSD	1.0M	MPX	1.0m	13	0.0	-3.0	-9.0	400n		10k	0	7	F32	CY1b	
21	MTS1016	66	3	SSD	2.0M	MPC	120m	2.4	0.0	-7.0	-2.5	250n		10k	2	8	F14j	TO100	
22	TMS3304LR	66	3	SSD	5.0M	MPT	350m	14	0.0	-3.0	-8.0	250n	1.0u	2.0k	5	8	F99	TO100	
23	M129T1	66	3	SSD	6.0M	MPX	252m	13	0.0	-2.5	-8.0	160n		10k	0	7	F99	TO100	
24	MS8209P	68	1	PPD	100k	MPX	150m	14	0.0	-9.0	-3.0	2.0u		10k	1	7	F158	ML5a	
25	GWN105	68	1	SSD	500k	MPX				-10	-2.0		1.5m	23	10k	0	7	F104	TO73
26	HD3523	72	3	SSD		MPG	600m	5.0	5.0	80	3.5			10k	2	7	F206	ML88a	
27	HD3524	72	3	SSD		MPG	600m	5.0	5.0	80	3.5			10k	2	7	F207	ML88a	
28	MP220BE	80	1	SSS	1.0M	MPX	300m	24	0.0	-3.5	-10			2	7	F84	ML19d		
29	MP220BF	80	1	SSS	1.0M	MPX	300m	24	0.0	-3.5	-10			2	7	F84	FL17		
30	MM4007AAH	80	2	SSD	2.5M	MPX	204m	12	5.0	80	3.0	200n	1.6m	10k	5	8	F332	ML179	
31	MM4007AAD	80	2	SSD	2.5M	MPX	204m	12	5.0	80	3.0	200n	1.6m	10k	5	8	F256	TO99	
32	MM5007AAH	80	2	SSD	2.5M	MPX	204m	12	5.0	80	3.0	200n	1.6m	10k	0	7	F332	ML179	
33	MM5007AAH	80	2	SSD	2.5M	MPX	204m	12	5.0	80	3.0	200n	1.6m	10k	0	7	F256	TO99	
34	EA1009	80	2	SSS	1.5M	MPX	450m	14	12	10	3.0	550n		5	8	F14p	TO100		
35	MM4052H	80	2	SSS	1.6M	MPX	212m	12	5.0	80	3.0	300n	1.6m	10k	5	8	F71	TO100	
36	MM5052H	80	2	SSS	1.6M	MPX	212m	12	5.0	80	3.0	300n	1.6m	10k	0	7	F71	TO100	
37	GYN121	80	2	SSS	2.0M	MPX	500m	12	5.0	80	3.5	150n	1.6m	10k	0	6	F229	ML4a	
38	TMS3102LC	80	2	SSS	2.5M	MPT	360m	12	5.0	80	3.5	150n		2	8	F97	TO100		
39	TMS3102NC	80	2	SSS	2.5M	MPT	360m	12	5.0	80	3.5	150n		2	8	F97a	ML48a		
40	EA1008	80	2	SSS	3.0M	MPX	300m	14	12	10	3.0	275n		5	8	F14n	TO100		
41	MM4021D	80	3	SSD	2.5M	MPX	163m	12	5.0	80	3.0	200n	1.6m	10k	5	8	PN16dc	ML2	
42	MM4021H	80	3	SSD	2.5M	MPX	163m	12	5.0	80	3.0	200n	1.6m	10k	5	8	PN10b	TO100	
43	MM4021N	80	3	SSD	2.5M	MPX	163m	12	5.0	80	3.0	200n	1.6m	10k	5	8	PN16dc	ML2e	
44	MM5021D	80	3	SSD	2.5M	MPX	163m	12	5.0	80	3.0	200n	1.6m	10k	2	7	PN16dc	ML2	
45	MM5021H	80	3	SSD	2.5M	MPX	163m	12	5.0	80	3.0	200n	1.6m	10k	2	7	PN10b	TO100	
46	MM5021N	80	3	SSD	2.5M	MPX	163m	12	5.0	80	3.0	200n	1.6m	10k	2	7	PN16dc	ML2e	
47	MC6565L	80	4	PPS	5.0M	MNX	650m	0.0	5.0	4.0	3.25		1.6m	10k	0	7	F247	ML144	
48	IM7780CDC	80	4	SSD	2.5M	MPG	355m	12	5.0	80	3.5	200n	1.6m	10k	0	7	F152	ML1	
49	IM7780CDE	80	4	SSD	2.5M	MPG	355m	12	5.0	80	3.5	200n	1.6m	10k	0	7	F152	ML89	
50	IM7780CFE	80	4	SSD	2.5M	MPG	355m	12	5.0	80	3.5	200n	1.6m	10k	0	7	F152	ML89	
51	IM7780MDC	80	4	SSD	2.5M	MPG	355m	12	5.0	80	3.5	200n	1.6m	10k	5	8	F152	ML1	
52	MK1007P	80	4	SSD	2.5M	MPI	220m	12	5.0	80	3.5	200n	1.6m	10k	0	7	F152	ML22	
53	MM5023D	80	4	SSD	2.5M	MPI	430m	12	5.0	80	3.5	200n	1.6m	10k	0	7	F334	ML177	
54	MM5023N	80	4	SSD	2.5M	MPI	430m	12	5.0	80	3.5	200n	1.6m	10k	0	7	F334	ML178	
55	MM4020D	80	4	SSD	2.5M	MPX	212m	12	5.0	80	3.0	200n	1.6m	10k	5	8	DN16db	ML2	
56	MM4020N	80	4	SSD	2.5M	MPX	212m	12	5.0	80	3.0	200n	1.6m	10k	5	8	DN16db	ML2e	
57	MM5020D	80	4	SSD	2.5M	MPX	212m	12	5.0	80	3.0	200n	1.6m	10k	2	7	DN16db	ML2	
58	MM5020N	80	4	SSD	2.5M	MPX	212m	12	5.0	80	3.0	200n	1.6m	10k	2	7	DN16db	ML2e	
59	TMS3120JC	80	4	SSD	2.5M	MPX	355m	12	5.0	80	3.4	400n	1.6m	10k	2	8	F119	ML206	
60	TMS3120NC	80	4	SSD	2.5M	MPX	355m	12	5.0	80	3.4	400n	1.6m	10k	2	8	F119	ML209	
61	MP3409B	80	4	SSD	3.0M	MPT	300m	-12	5.0	80	3.7	100n	1.6m	10k	2	8	F319	ML1d	
62	TMS3409JC	80	4	SSD	5.0M	MPX	400m	12	5.0	80	3.0	160n	1.6m	10k	2	8	F119	ML82	
63	TMS3409NC	80	4	SSD	5.0M	MPX	400m	12	5.0	80	3.0	160n	1.6m	10k	2	8	F119	ML48a	
64	S2182	80	4	SSS	1.0M	MXX	547m	12	5.0	80	4.0	500n	1.6m	1.0M	2	8	F300	ML82	
65	ITT3347	80	4	SSS	2.0M	MPG	450m	12	5.0	80	4.0	200n	1.6m	10k	0	7	F119	ML2	
66	MCS2109	80	4	SSS	2.0M	MPX	440m	12	5.0	80	3.5	230n	1.6m	10k	2	8	F239	ML2	
67	S2182A	80	4	SSS	2.0M	MXX	547m	12	5.0	80	4.0	350n	1.6m	2.0M	2	8	F300	ML82	
68	ITT3357	80	4	SSS	3.0M	MPG	450m	12	5.0	80	4.0	200n	1.6m	10k	0	7	F119	ML2	
69	TMS3135JC	80	9	SSS	1.5M	MPI	450m	12	5.0	80	3.6	550n	1.6m	10k	2	8	F328	ML207	
70	TMS3135NC	80	9	SSS	1.5M	MPI	450m	12	5.0	80	3.6	550n	1.6m	10k	2	8	F328	ML72b	
71	S2183	81	4	SSS	1.0M	MXX	547m	12	5.0	80	4.0	500n	1.6m	1.0M	2	8	F300	ML82	
72	S2183A	81	4	SSS	2.0M	MXX	547m	12	5.0	80	4.0	350n	1.6m	2.0M	2	8	F300	ML82	
73	TMS3126LC	96	2	SSS	2.5M	MPT	510m	12	5.0	1.1	3.2	250n	1.6m	10k	2	8	F240	TO99	
74	TMS3126NC	96	2	SSS	2.5M	MPT	510m	12	5.0	1.1	3.2	250n	1.6m	10k	2	8	F240	ML208	
75	MM4007XXD	100	1	SSD	2.5M	MPX	204m	12	5.0	80	3.0	200n	1.6m	10k	5	8	F332	ML179	
76	MM4007XXH	100	1	SSD	2.5M	MPX	204m	12	5.0	80	3.0	200n	1.6m	10k	5	8	F256	TO99	
77	MM5007XXD	100	1	SSD	2.5M	MPX	204m	12	5.0	80	3.0	200n	1.6m	10k	0	7	F332	ML179	
78	MM5007XXH	100	1	SSD	2.5M	MPX	204m	12	5.0	80	3.0	200n	1.6m	10k	0	7	F256	TO99	
79	MP225B	100	1	SSS	1.0M	MPX	300m	24	0.0	-3.5	-10			2	7	F86	TO100		
80	TL1160G	100	2	MPX	2.0M</														

7. SHIFT REGISTERS

IN ORDER OF (1) No. BITS/REG(2) No. REGISTERS
(3) OP. CODE(4) MAX W/C FREQ(5) STRUCT(6) TYPE No

MEMORY

LINE No.	6 TYPE No.	ORGANIZATION		3 OPER. CODE	4 MAX CASE FREQ. (Hz)	5 STRUC. TURE CODE	MAX OPER. POWER DISS. (W)	RATED POWER SUP. SPAN		INPUT LOGIC LEVELS		MAX PROP. DELAY (s)	MIN OUTPUT SINK CURRENT @ OUT (V)		MIN CLOCK FREQ. (Hz)	OPER. TEMP. RANGE CODE	DRAWINGS		
		1 BITS PER REGISTER	2 No. REGS					NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)		(A)	(V)			LOGIC/BLOCK	OUTLINE	
1	IM7707CTA	100	2	SSSD	3.0M	MPX	500m	5.0	5.0	2.5	.80	250n	1.6m	.50	250	0	7	F28a	TO99
2	MM2406	100	2	SSSD	5.0M	MPG	500m	5.0	5.0	.80	3.0	75n	1.6m	.50	30	0	7	F71a	TO99
3	MM2407	100	2	SSSD	5.0M	MPG	500m	5.0	5.0	.80	3.0	75n	1.6m	.50	30	0	7	F71a	TO99
4	MM3406	100	2	SSSD	5.0M	MPG	500m	5.0	5.0	.80	3.0	75n	1.6m	.50	30	0	7	F71a	TO99
5	MM3407	100	2	SSSD	5.0M	MPG	500m	5.0	5.0	.80	3.0	75n	1.6m	.50	30	0	7	F71a	TO99
6	3307-9.5F	100	2	SSSD	5.0M	MPX	350m	5.0	2.7	0.0	-2.0	450n	1.6m	.50	30	0	7	F3b	TO100
7	M7S1102	100	2	SSSD	1.0M	MPN	537m	28	0.0	-1.0	-2.0	400n	1.0m	-1.1	5	5	F163	TO100	
8	TMS3003LR	100	2	SSSD	1.0M	MPN	450m	28	0.0	-2.0	-9.0	400n	1.6m	-4.8	8	8	F95c	TO100	
9#	M127T1	100	2	SSSD	1.0M	MPX	430m	27	0.0	-2.0	-9.0	400n	1.6m	-4.8	8	8	F164	TO100	
10	EA1005	100	2	SSSD	1.5M	MPX	450m	14	12	10	3.0	550n	1.6m	.40	5	5	F14m	TO100	
11	MM4053H	100	2	SSSD	1.6M	MPX	272m	12	5.0	.80	3.0	300n	1.6m	.40	5	5	F71	TO100	
12	MM5053H	100	2	SSSD	1.6M	MPX	272m	12	5.0	.80	3.0	300n	1.6m	.40	5	5	F71	TO100	
13#	MF7105	100	2	SSSD	2.0M	MPG	500m	5.0	5.0	-4.6	-3.0	300n	1.6m	.40	0	0	F143	TO100	
14	MCS2102	100	2	SSSD	2.0M	MPN	425m	12	5.0	.70	3.5	240n	1.6m	.40	0	0	F113	ML2	
15#	GYN111	100	2	SSSD	2.0M	MPX	500m	12	5.0	.80	3.5	150n	1.6m	.40	0	0	F229	ML4a	
16	MC1180G	100	2	SSSD	2.0M	MPX	680m	27	0.0	-3.0	-9.0	250n	1.6m	.40	5	5	F34	CY1b	
17	S1670	100	2	SSSD	2.5M	MPA	300m	12	5.0	.90	3.7	165n	1.6m	.40	8	8	F105	ML6a	
18	TMS3101LC	100	2	SSSD	2.5M	MPT	360m	12	5.0	.80	3.5	150n	1.6m	.40	2	2	F97	TO100	
19	TMS3101NC	100	2	SSSD	2.5M	MPT	360m	12	5.0	.80	3.5	150n	1.6m	.40	2	2	F97a	ML48a	
20	TMS3127LC	100	2	SSSD	2.5M	MPT	510m	12	5.0	1.1	3.2	250n	1.6m	.40	2	2	F240	TO99	
21	TMS3127NC	100	2	SSSD	2.5M	MPT	510m	12	5.0	1.1	3.2	250n	1.6m	.40	2	2	F240	ML208	
22#	EA1004	100	2	SSSD	3.0M	MPX	625m	26	0.0	-1.5	-9.0	275n	2.0m	-5.0	5	5	F296	CY11	
23#	FDN526A	100	2	SSSD	3.0M	MPX	625m	28	0.0	-9.0	-2.0	100n	1.6m	.40	8	8	F14k	TO100	
24	MC2360G	100	2	SSSD	5.0M	MPG	285m	0.0	5.0	.40	10	100n	1.6m	.40	5	5	F34	CY1	
25	SCL5171D	100	2	SSSD	10M	MCX	5.0m	0.0	10	.05%	9.95	130n	190u	9.5	5	5	F153b	ML62a	
26	SCL5171F	100	2	SSSD	10M	MCX	5.0m	0.0	10	.05%	9.95	130n	190u	9.5	5	5	F153a	FL5b	
27	SCL5171H	100	2	SSSD	10M	MCX	5.0m	0.0	10	.05%	9.95	130n	190u	9.5	5	5	CHI	CY3e	
28	SCL5171T	100	2	SSSD	10M	MCX	5.0m	0.0	10	.05%	9.95	130n	190u	9.5	5	5	F153	CY3e	
29	MM5061D	100	4	SSSD	2.2M	MPG	323m	12	5.0	.80	3.5	350n	1.6m	.40	0	0	F340	ML177	
30	MM5061N	100	4	SSSD	2.2M	MPG	323m	12	5.0	.80	3.5	350m	1.6m	.40	0	0	F340	ML178	
31	TMS3137JC	100	9	SSSD	1.5M	MPI	450m	12	5.0	.80	3.6	550n	1.6m	.40	2	2	F328	ML207	
32	TMS3137NC	100	9	SSSD	1.5M	MPI	450m	12	5.0	.80	3.6	550n	1.6m	.40	2	2	F328	ML72b	
33	TMS3138JC	120	9	SSSD	1.5M	MPI	450m	12	5.0	.80	3.6	550n	1.6m	.40	2	2	F328	ML207	
34	TMS3138NC	120	9	SSSD	1.5M	MPI	450m	12	5.0	.80	3.6	550n	1.6m	.40	2	2	F328	ML72b	
35	MC14562AL	128	1	SSSD	5.6M	MCX	6.0m	0.0	10	0.05%	9.99	330n	1.1m	.50	5	5	F275	ML66	
36	TMS3028LR	128	2	SSSD	1.0M	MPT	700m	28	0.0	-2.0	-9.0	700n	1.6m	.40	5	5	F95d	TO100	
37#	HD3509	128	2	SSSD	1.0M	MPG	600m	5.0	5.0	.80	3.5	450n	1.6m	.40	10k	2	2	F204b	ML88a
38	MK1002N	128	2	SSSD	1.0M	MPI	245m	12	5.0	1.0	4.0	450n	1.6m	.40	7	7	F290	ML89e	
39	SL5-2128	128	2	SSSD	1.0M	MPN	400m	0.0	5.0	.80	-1.5	450n	1.6m	.40	0	0	F25	ML82	
40	SL7-2128	128	2	SSSD	1.0M	MPN	400m	0.0	5.0	.80	-1.5	450n	1.6m	.40	0	0	F25	ML48a	
41	TMS3012JC	128	2	SSSD	1.0M	MPT	609m	28	0.0	-2.0	-9.0	700n	1.6m	.40	8	8	F113	ML82	
42	TMS3012NC	128	2	SSSD	1.0M	MPT	609m	28	0.0	-2.0	-9.0	700n	1.6m	.40	8	8	F113	ML48a	
43	TMS3028LC	128	2	SSSD	1.0M	MPT	609m	28	0.0	-2.0	-9.0	700n	1.6m	.40	8	8	F114	TO100	
44	MM5060AAD	128	2	SSSD	1.5M	MPG	442m	12	5.0	.80	3.5	350n	1.6m	.40	0	0	F130	ML202	
45	MM5060AAN	128	2	SSSD	1.5M	MPG	442m	12	5.0	.80	3.5	350n	1.6m	.40	0	0	F130	ML116b	
46	MTS2107	128	2	SSSD	1.5M	MPN	250m	12	5.0	.70	3.5	250n	1.6m	.40	5	5	F95h	TO99	
47#	MF7104	128	2	SSSD	2.0M	MPG	500m	5.0	5.0	-4.6	-3.0	300n	1.6m	.40	7	7	F143	TO100	
48	MTS2108	128	2	SSSD	2.0M	MPN	340m	12	5.0	.70	3.5	240n	1.6m	.40	5	5	F95h	TO99	
49	TMS3128LC	128	2	SSSD	2.5M	MPT	510m	12	5.0	1.1	3.2	250n	1.6m	.40	2	2	F240	TO99	
50	TMS3128NC	128	2	SSSD	2.5M	MPT	510m	12	5.0	1.1	3.2	250n	1.6m	.40	2	2	F240	ML208	
51	UC7325#2	128	2	SSSD	2.5M	MPX	15	15	5.0	.60	2.35	1.6m	1.6m	.40	0	0	F120f	TO99	
52	MC2361G	128	2	SSSD	5.0M	MPG	350m	0.0	5.0	.40	4.0	100n	1.6m	.40	7	7	F34	CY1	
53	SCL5172D	128	2	SSSD	10M	MCX	5.0m	0.0	10	.05%	9.95	130n	190u	9.5	5	5	F153b	ML62a	
54	SCL5172F	128	2	SSSD	10M	MCX	5.0m	0.0	10	.05%	9.95	130n	190u	9.5	5	5	F153a	FL5b	
55	SCL5172H	128	2	SSSD	10M	MCX	5.0m	0.0	10	.05%	9.95	130n	190u	9.5	5	5	CHI	CY3e	
56	SCL5172T	128	2	SSSD	10M	MCX	5.0m	0.0	10	.05%	9.95	130n	190u	9.5	5	5	F166	FLZ	
57	SCL5151F	128	4	SSSD	1.0M	MCA	300n	0.0	10	-2.0	-8.0	1.6m	1.6m	.40	5	5	F166	MLZ	
58	SCL5151FB	128	4	SSSD	1.0M	MCA	10u	0.0	10	-2.0	-8.0	160n	1.6m	.40	5	5	F147	ML9	
59	SL9-4128-71#1	128	4	SSSD	4.0M	MPG	150m	5.0	0.0	.80	-1.5	80n	1.6m	.40	0	0	F147	ML9	
60	SL9-4128-71#2	128	4	SSSD	8.0M	MPG	350m	12	0.0	.80	-1.5	80n	1.6m	.40	0	0	F147	ML9	
61	NC7030	128	8	SSSD	1.5M	MNX	180m	15	15	15.3	-1.5	500u	1.6m	.40	0	0	F377	MLZ	
62	MM5060ABD	132	2	SSSD	1.5M	MPG	442m	12	5.0	.80	3.5	350n	1.6m	.40	0	0	F130	ML202	
63	MM5060ABN	132	2	SSSD	1.5M	MPG	442m	12	5.0	.80	3.5	350n	1.6m	.40	0	0	F130	ML116b	
64	TMS3129LC	132	2	SSSD	2.5M	MPT	510m	12	5.0	1.1	3.2	250n	1.6m	.40	2	2	F240	TO99	
65	TMS3129NC	132	2	SSSD	2.5M	MPT	510m	12	5.0	1.1	3.2	250n	1.6m	.40	2	2	F240	ML208	
66	S2184	132	4	SSSD	1.0M	MXX	547m	12	5.0	.60%	4.0	500n	1.6m	.60	1.0M#	2	2	F300	ML82
67	S2184A	132	4	SSSD	2.0M	MXX	547m	12	5.0	.60%	4.0	350n	1.6m	.60	2.0M#	2	2	F300	ML82
68	MM5060ACD	133	2	SSSD	1.5M	MPG	442m	12	5.0	.80	3.5	350n	1.6m	.40	0	0	F130	ML202	
69	MM5060ACN	133	2	SSSD	1.5M	MPG	442m	12	5.0	.80	3.5	350n	1.6m	.40	0	0	F130	ML116b	
70	TMS3113JC	133	2	SSSD	2.0M	MPT	360m	12	5.0	.60	3.5	350n	1.6m	.50	2	2	F115	ML82	
71	TMS3113NC	133	2	SSSD	2.0M	MPT	360m	12	5.0	.60	3.5	350n	1.6m	.50	2	2	F115	ML48a	
72	TMS3130LC	133	2	SSSD	2.5M	MPT	510m	12	5.0	1.1	3.2	250n	1.6m	.40	2	2	F240	TO99	
73	TMS3130NC	133	2	SSSD	2.5M	MPT	510m	12	5.0	1.1	3.2	250n	1.6m	.40	2	2	F240	ML208	
74	S2185	133	4	SSSD	1.0M	MXX	547m	12	5.0	.60%	4.0	500n	1.6m	.60	1.0M#	2	2	F300	ML82
75	S2185A	133	4	SSSD	2.0M	MXX	547m	12	5.0	.60%	4.0	350n	1.6m	.60	2.0M#	2	2	F300	ML82
76	TMS3131LC	136	2	SSSD	2.5M	MPT	510m	12	5.0	1.1	3.2	250n	1.6m	.40	2	2	F240	TO99	
77	TMS3131NC	136	2	SSSD	2.5M	MPT	510m	12	5.0	1.1	3.2	250n							

7. SHIFT REGISTERS

IN ORDER OF (1) NO. BITS / REG (2) NO. REGISTERS
(3) OP. CODE (4) MAX W/C FREQ (5) STRUCT (6) TYPE No

LINE No.	6	TYPE No.	ORGANIZATION		3	4	5	MAX OPER. POWER (W)	RATED POWER SUP. SPAN		INPUT LOGIC LEVELS		MAX PROP. DELAY (s)	MIN OUTPUT SINK CURRENT @ OUT (V)		MIN CLOCK FREQ. (Hz)	OPER. TEMP. RANGE CODE	DRAWINGS		
			1	2					OPER. CODE	WORST CASE FREQ. (Hz)	STRUC. TURE CODE	NEG. (V)		POS. (V)	MAX '0' (V)			MIN '1' (V)	(A)	(V)
1#		FDN156A	256	1	SSD	1.0MΔ	MPX	625m	28	0.0	-9.0	2.0	100nΔ	10k	40	10k	5	8	F14c	TO100
2#		ITT3383-5C	256	1	SSD	2.0M	MPG	155m	12	5.0	.85	4.0	150n	1.6m	40	10k	5	7	F76	CY1
3		MM4019XXD	256	1	SSD	2.5MΔ	MPX	204m	12	5.0	.80	3.0	200n	1.6m	40	10k	5	7	F332	ML179
4		MM4019XXH	256	1	SSD	2.5MΔ	MPX	204m	12	5.0	.80	3.0	200n	1.6m	40	10k	5	7	F256	TO99
5		MM5019XXD	256	1	SSD	2.5MΔ	MPX	204m	12	5.0	.80	3.0	200n	1.6m	40	10k	5	7	F332	ML179
6		MM5019XXH	256	1	SSD	2.5MΔ	MPX	204m	12	5.0	.80	3.0	200n	1.6m	40	10k	5	7	F256	TO99
7		EA1204	256	1	SSD	3.0M	MPX	300m	14	0.0	-1.5	-9.0	70n	10k	40	10k	5	8	F14a	TO100
8		EA1204D	256	1	SSD	3.0M	MPX	300m	14	0.0	-1.5	-9.0	70n	10k	40	10k	5	8	F14b	ML63
9#		FDN141A	256	1	SSD	3.0M	MPX	150m	14	0.0	-1.5	-9.0	100n	10k	40	10k	5	7	F14a	TO100
10#		FDN146	256	1	SSD	3.0MΔ	MPX	800m	28	0.0	-9.0	-1.5	70nΔ	10k	40	10k	5	8	F14b	TO116
11#		FDN146A	256	1	SSD	3.0MΔ	MPX	625m	28	0.0	-9.0	-1.5	70nΔ	10k	40	10k	5	8	F14a	TO100
12		UC7325#1	256	1	SSS	2.5M	MPX	15	5.0	.60	2.35		1.6m	40	10k	0	7	F120g	TO99	
13		SO1	256	1	SSS	20M†	MCS	200m†	0.0	15	.80	3.2	50n†	1.6m	40	10k	0	7	F210	ML114
14		DL7-2256	256	2	SSD	1.0M	MPT	200m	12	5.0	.80	3.5	400n	1.6m	40	10k	0	7	F22	ML64
15#		M125T1	256	2	SSD	1.0M	MPX	160m	27	0.0	-2.0	-1.0	350n	10u	-1.0	10k	0	7	F49	TO100
16		MM4012D	256	2	SSD	2.5M	MPX	272m	12	5.0	.80	3.0	250n	1.6m	40	10k	5	7	F195	ML2
17		MM4012N	256	2	SSD	2.5M	MPX	272m	12	5.0	.80	3.0	250n	1.6m	40	10k	5	7	F195	ML2e
18		MM4019D	256	2	SSD	2.5MΔ	MPX	204m	12	5.0	.80	3.0	200n	1.6m	40	10k	5	7	F332	ML179
19		MM4019H	256	2	SSD	2.5MΔ	MPX	204m	12	5.0	.80	3.0	200n	1.6m	40	10k	5	7	F256	TO99
20		MM5012D	256	2	SSD	2.5M	MPX	272m	12	5.0	.80	3.0	250n	1.6m	40	10k	2	7	F195	ML2
21		MM5012N	256	2	SSD	2.5M	MPX	272m	12	5.0	.80	3.0	250n	1.6m	40	10k	2	7	F195	ML2e
22		MM5019D	256	2	SSD	2.5MΔ	MPX	204m	12	5.0	.80	3.0	200n	1.6m	40	10k	0	7	F332	ML179
23		MM5019H	256	2	SSD	2.5MΔ	MPX	204m	12	5.0	.80	3.0	200n	1.6m	40	10k	0	7	F256	TO99
24		S1705	256	2	SSD	3.0M	MPI	340m†	12	5.0	.90	3.7	100n	1.6m	40	10k	0	7	F203	ML6a
25		S1723	256	2	SSD	3.0M	MPI	200m†	12	5.0	.90	3.7	125n	1.6m	40	10k	0	7	F203a	TO100
26		EA1210	256	2	SSD	3.0M	MPX	625m	14	0.0	-1.5	-9.0	275n	10k	40	10k	5	8	F14e	TO100
27#		FDN196A	256	2	SSD	3.0MΔ	MPX	625m	28	0.0	-9.0	-2.0	275n	10k	40	10k	5	8	F14e	TO100
28#		FDN166A	256	2	SSD	5.0MΔ	MPX	625m	28	0.0	-9.0	-1.0	110nΔ	10k	40	10k	5	8	F47	TO100
29		ISR9005	256	2	SSS		MXX	5.3	13	13	1.1	2.0	100n						F15	PL6
30		SL9-2256-21#1	256	2	SSS	4.0M	MPG	150m†	5.0	0.0	.80	-1.5	160n	1.6m	40	10k	0	7	F147a	TO100
31		SL9-2256-21#2	256	2	SSS	8.0M	MPG	350m†	12	0.0	.80	-1.5	80n	1.6m	40	10k	0	7	F147a	TO100
32		280251E	256	4	PPD	10M	MPG	500m	5.0	5.0	.50	2.4	100n	1.6m	50	500	5	7	MOZ	MOZ
33		280259E	256	4	PPD	10M	MPG	500m	5.0	5.0	.50	2.4	100n	1.6m	50	500	5	7	MOZ	MOZ
34		AM280251E	256	4	PPD	10M	MPG	250m	5.0	5.0	-1.0	-2.0	90n	1.6m	50	5.0M#	5	7	F255b	ML107
35		AM280251F	256	4	PPD	10M	MPG	250m	5.0	5.0	-1.0	-2.0	90n	1.6m	50	5.0M#	5	7	F255b	FL33a
36		AM280259E#1	256	4	PPD	10M	MPG	250m	5.0	5.0	-1.0	-2.0	90n	1.6m	50	5.0M#	0	7	F255b	ML107
37		AM280259E#2	256	4	PPD	10M	MPG	200m	9.0	5.0	-1.0	-2.0	110n	1.6m	50	3.0M#	0	7	F255b	ML107
38		AM280259F#1	256	4	PPD	10M	MPG	250m	5.0	5.0	-1.0	-2.0	90n	1.6m	50	5.0M#	0	7	F255b	FL33a
39		AM280259F#2	256	4	PPD	10M	MPG	200m	9.0	5.0	-1.0	-2.0	110n	1.6m	50	3.0M#	0	7	F255b	FL33a
40#		HD3502	256	4	SSD		MPG	600m	5.0	5.0	.80	3.5	60n†	10k	2	7	F29	ML88a		
41		SYC1402A	256	4	SSD	1.5MΔ		1.0	9.0	5.0	.80	2.0	1.0uΔ	1.6m	50	1.5M#	0	7	PN16da	ML107a
42		SYP1402A	256	4	SSD	1.5MΔ		1.0	9.0	5.0	.80	2.0	1.0uΔ	1.6m	50	1.5M#	0	7	PN16da	ML222
43		MM1402A	256	4	SSD	2.5M	MPG	600m	5.0	5.0	.80	3.0	90n	1.6m	50	10k	0	7	PN16da	ML10c
44#		M58502P	256	4	SSD	3.0M	MPG	15m†	5.0	5.0	.80	3.5	90n	1.6m	50	500	1	7	PN16da	ML336
45		DL9-4256-71#1	256	4	SSD	4.0M	MPG	200m†	5.0	0.0	.80	-1.5	160n	1.6m	40	5.0k	0	7	F147	ML9
46		1402	256	4	SSD	5.0M	MPG	600m	5.0	5.0	.80	3.3	90n	1.6m	50	10k	0	8	F29	ML10a
47		C1402A	256	4	SSD	5.0M	MPG	1.0	5.0	5.0	.80	3.5	90n	1.6m	50	10k	0	7	PN16da	ML10c
48		CM1402	256	4	SSD	5.0M	MPG	350m	5.0	5.0	.80	3.5	90n	1.6m	2.0	330	0	7	PN16da	ML2
49		CM1402A	256	4	SSD	5.0M	MPG	350m	5.0	5.0	.80	3.5	90n	1.6m	2.0	330	0	7	PN16da	ML2
50		IM7702CDE	256	4	SSD	5.0M	MPG	600m	5.0	5.0	.80	3.0	90n	1.6m	50	1.0k	0	8	PN16da	ML1
51		IM7702MDE	256	4	SSD	5.0M	MPG	600m	5.0	5.0	.80	3.5	90n	1.6m	50	1.0k	5	8	PN16da	ML1
52#		M141D1	256	4	SSD	5.0M*	MPG	600m	5.0	5.0	.80	3.3	60n†	1.6m	50	100	1	0	F29	ML84
53#		MF1402A	256	4	SSD	5.0M	MPG	600m	5.0	5.0	.80	3.0	110n	1.6m	50	10k	0	8	F29	ML10a
54		MM1402AD	256	4	SSD	5.0M	MPG	600m	5.0	5.0	.80	3.3	90n	1.6m	50	10k	0	7	PN16da	ML177
55		MM1402AN	256	4	SSD	5.0M	MPG	600m	5.0	5.0	.80	3.3	90n	1.6m	50	10k	0	7	PN16da	ML178
56		P1402A	256	4	SSD	5.0M	MPG	500m	5.0	5.0	.80	3.0	90n	1.6m	50	10k	0	7	PN16da	ML2d
57#		MP1402	256	4	SSD	5.0M	MPX	600m	5.0	5.0	.80	3.3	90n	1.6m	50	10k	5	8	F29	ML10a
58		TMS3412JC	256	4	SSD	6.0M	MPG	600m	5.0	5.0	.80	3.3	80n	1.6m	50	10k	2	8	F120	ML48a
59		TMS3412NC	256	4	SSD	6.0M	MPG	600m	5.0	5.0	.80	3.3	80n	1.6m	50	10k	2	8	F120	ML2
60		DL9-4256-71#2	256	4	SSD	8.0M	MPG	400m†	12	0.0	.80	-1.5	80n	1.6m	40	5.0k	0	7	F147	ML9
61		SYC2802A	256	4	SSD	10M	MNI	1.0	0.0	5.0	.80	3.0	1.0uΔ	1.6m	50	10k	0	7	PN16da	ML2
62		SYP2802A	256	4	SSD	10M	MNI	1.0	0.0	5.0	.80	3.0	1.0uΔ	1.6m	50	10k	0	7	PN16da	ML2
63		MM2402	256	4	SSD	10M	MPG	500m	5.0	5.0	.80	3.0	90n	1.6m	50	30	0	5	PN16da	ML10c
64		MM3402	256	4	SSD	10M	MPG	500m	5.0	5.0	.80	3.0	90n	1.6m	50	30	0	7	PN16da	ML10c
65		MM5056N	256	4	SSS	1.0MΔ	MPG	163m	12	5.0	.80	3.5	345n	1.6m	40	10k	0	7	F340a	ML203
66		C2416	256	64	SSC		MNG	1.0	5.0	12	.80	3.5	40nΔ	3.0m	.45				F325	ML8d
67		S1724	257	1	SSD	1.0M	MPI	238m	12	5.0	-1.0	4.0	250n	1.6m	40	10k	0	7	F208	ML6a
68		MD6703AC	288	1	SSS	20M†	MCX	10m	0.0	10	1.5	3.5	1.0m	4	8			F548	ML2	
69		MD6703AE	288	1	SSS	20M†	MCX	10m	0.0	10	1.5	3.5	1.0m	4	8			F548	ML2	
70		MD6703AF	288	1	SSS	20M†	MCX	10m	0.0	10	1.5	3.5	1.0m	4	8			F548	ML2	
71		MM4104H	360	1	SSD	2.5MΔ	MPX	170m	12	5.0	.80	3.0	200n	1.6m	40	10k	5	7	PN10c	TO100
72		MM5104H	360	1	SSD	2.5MΔ	MPX	170m	12	5.0	.80	3.0	200n	1.6m	40	10k	2	7	PN10c	TO100
73#		ITT3330-5C	480	1	SSD	2.0M	MPG	250m	12											

7. SHIFT REGISTERS

IN ORDER OF (1) No. BITS/REG(2) No. REGISTERS
(3) OP. CODE(4) MAX W/C FREQ(5) STRUCT(6) TYPE No

MEMORY

LINE No.	TYPE No.	ORGANIZATION		OPER. CODE	4 MAX WORST CASE FREQ. (Hz)	5 STRUCTURE CODE	MAX OPER. POWER DISS. (W)	RATED POWER SUP. SPAN		INPUT LOGIC LEVELS		MAX PROP. DELAY (s)	MIN OUTPUT SINK CURRENT @ OUT (V)		MIN CLOCK FREQ. (Hz)	OPER. TEMP. RANGE CODE	DRAWINGS		
		1 BITS PER REGISTER	2 No. REGS					NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)		(A)	(V)			LOGIC/BLOCK	OUTLINE	
1	AM280351T	512	2	PPD	10M	MPG	250m	5.0	5.0	-10	-2.0	90n	1.6m	.50	5.0M#	5	C	F255a	TO99
2	AM280359F#1	512	2	PPD	10M	MPG	250m	5.0	5.0	-10	-2.0	90n	1.6m	.50	5.0M#	5	C	F255a	FL33a
3	AM280359F#2	512	2	PPD	10M	MPG	200m	9.0	5.0	-10	-2.0	110n	1.6m	.50	3.0M#	0	7	F255a	FL33a
4	AM280359T#1	512	2	PPD	10M	MPG	250m	5.0	5.0	-10	-2.0	90n	1.6m	.50	5.0M#	0	7	F255a	TO99
5	AM280359T#2	512	2	PPD	10M	MPG	200m	9.0	5.0	-10	-2.0	110n	1.6m	.50	3.0M#	0	7	F255a	TO99
6#	HD3503	512	2	SSD		MPG	600m	5.0	5.0	.80	3.5				10k	2	7	F29a	ML90a
7	SYM1403A	512	2	SSD	1.5MΔ		1.0	9.0	5.0	.80	2.0	1.0uΔ	1.6m	.50	1.5M#	0	7	PN8d	CY4f
8	SYP1403A	512	2	SSD	1.5MΔ		1.0	9.0	5.0	.80	2.0	1.0uΔ	1.6m	.50	1.5M#	0	7	PN8j	ML116a
9	MM1405A	512	2	SSD	2.0M	MPG	600m	5.0	5.0	.80	3.0	250n	1.6m	.50	200	0	7	F30	TO100
10	ST701	512	2	SSD	2.5M	MPA	600m	12	5.0	.90	3.7	150n	1.6m	.40	10k	0	7	F202	ML6a
11	MM1403A	512	2	SSD	2.5M	MPG	600m	5.0	5.0	.80	3.0	90n	1.6m	.50	100	0	7	PN8d	TO99
12	MM4017D	512s	2	SSD	2.5MΔ	MPX	238m	12	5.0	.80	3.0	200n	1.6m	.40	10k	5	C	F225	ML177
13	MM4017H	512s	2	SSD	2.5MΔ	MPX	238m	12	5.0	.80	3.0	200n	1.6m	.40	10k	5	C	F333	TO100
14	MM5017D	512s	2	SSD	2.5MΔ	MPX	238m	12	5.0	.80	3.0	200n	1.6m	.40	10k	0	7	F225	ML177
15	MM5017H	512s	2	SSD	2.5MΔ	MPX	238m	12	5.0	.80	3.0	200n	1.6m	.40	10k	0	7	F333	TO100
16	MM5017N	512s	2	SSD	2.5MΔ	MPX	238m	12	5.0	.80	3.0	200n	1.6m	.40	10k	0	7	F225	ML177
17#	M58503P	512	2	SSD	3.0M	MPG	15m	5.0	5.0	.80	3.5	90n	1.6m	.50	500	1	7	PN16dg	ML336
18	DL9-2512-21#1	512	2	SSD	4.0M	MPG	200m	5.0	0.0	.80	-1.5	160n	1.6m	.40	5.0k	0	7	F147a	TO100
19	1403	512	2	SSD	5.0M	MPG	600m	5.0	5.0	.80	3.3	90n	1.6m	.50	10k	0	7	F29a	TO99
20	CM1403	512	2	SSD	5.0M	MPG	350m	5.0	5.0	.80	3.5	90n	1.6m	.50	330	0	7	PN8d	CLZ
21	CM1403A	512	2	SSD	5.0M	MPG	350m	5.0	5.0	.80	3.5	90n	1.6m	.50	330	0	7	PN8d	CLZ
22	IM7703#1	512	2	SSD	5.0M	MPG	250m	5.0	5.0	.80	3.3	90m	1.0uΔ		250	5	8	PN8d	TO99
23	IM7703#2	512	2	SSD	5.0M	MPG	250m	5.0	5.0	.80	3.3	90m	1.0uΔ		250	5	8	PN8d	ML90
24	IM7703CMD	512	2	SSD	5.0M	MPG	600m	5.0	5.0	.80	3.0	90n	1.6m	.50	1.0k	0	8	PN8d	ML90
25	IM7703CTV	512	2	SSD	5.0M	MPG	600m	5.0	5.0	.80	3.0	90n	1.6m	.50	1.0k	0	8	PN8d	TO99
26#	M136T1	512	2	SSD	5.0M*	MPG	60m	5.0	5.0	.80	3.3	60n	1.6m	.50	100	1	7	F29a	TO99
27	M1403A	512	2	SSD	5.0M	MPG	500m	5.0	5.0	.80	3.5	90n	1.6m	.50	10k	0	7	PN8d	CY4f
28#	MF1403A	512	2	SSD	5.0M	MPG	600m	5.0	5.0	.80	3.0	110n	1.6m	.50	10k	0	8	F29a	TO99
29#	MF1403A#1	512	2	SSD	5.0M	MPG	600m	5.0	5.0	.80	3.0	110n	1.6m	.50	10k	0	8	F29a	TO99
30#	MF1403A#2	512	2	SSD	5.0M	MPG	1.0	5.0	5.0	.80	3.0	90n	1.6m	.50	10k	0	7	F29a	ML87
31	MM1403AH	512	2	SSD	5.0M	MPG	600m	5.0	5.0	.80	3.3	90n	1.6m	.50	10k	0	7	PN8d	TO99
32	MM1403AN	512	2	SSD	5.0M	MPG	600m	5.0	5.0	.80	3.3	90n	1.6m	.50	10k	0	7	PN8j	ML116b
33	P1403A	512	2	SSD	5.0M	MPG	500m	5.0	5.0	.80	3.0	90n	1.6m	.50	10k	0	7	PN8j	ML116a
34	TMS3309JC	512	2	SSD	5.0M	MPT	90u	24	0.0	-3.5	-9.0	100n			10k	2	8	F100	ML43a
35	TMS3404JC	512	2	SSD	5.0M	MPT		12	5.0	.80	3.4	100n			10k	2	8	F118	ML32
36	TMS3404NC	512	2	SSD	5.0M	MPT		12	5.0	.80	3.4	100n			10k	2	8	F118	ML48a
37#	MP1403	512	2	SSD	5.0M	MPX	600m	5.0	5.0	.80	3.3	90n	1.6m	.50	10k	0	7	F29a	TO99
38	TMS3413C	512	2	SSD	6.0M	MPG	600m	5.0	5.0	.80	3.3	80n	1.6m	.50	10k	2	8	F120a	TO99
39	TMS3413NC	512	2	SSD	6.0M	MPG	600m	5.0	5.0	.80	3.3	80n	1.6m	.50	10k	2	8	F120c	ML48a
40	DL9-2512-21#2	512	2	SSD	8.0M	MPG	400m	12	0.0	.80	-1.5	80n	1.6m	.40	5.0k	0	7	F147a	TO100
41	SYM2803A	512	2	SSD	10M	MNI	1.0	0.0	5.0	.80	3.0	1.0uΔ	1.6m	.50		0	7	PN16da	MLZ
42	SYP2803A	512	2	SSD	10M	MNI	1.0	0.0	5.0	.80	3.0	1.0uΔ	1.6m	.50		0	7	PN16da	MLZ
43	MM2403	512	2	SSD	10M	MPG	500m	5.0	5.0	.80	3.0	90n	1.6m	.50		0	7	PN8d	TO99
44	MM3403	512	2	SSD	10M	MPG	500m	5.0	5.0	.80	2.0	90n	1.6m	.50	30	0	7	PN8d	TO99
45	SYC2534	512	2	SSD	2.0M	MNI	600m	0.0	5.0	.80	2.0	300n	1.6m	.40		0	7	F502	MLZ
46	SYP2534	512	2	SSD	2.0M	MNI	600m	0.0	5.0	.80	2.0	300n	1.6m	.40		0	7	F502a	MLZ
47	SYT2534	512	2	SSD	2.0M	MNI	600m	0.0	5.0	.80	2.0	300n	1.6m	.40		0	7	F502a	MLZ
48	SYC2534A	512	2	SSD	3.5M	MNI	600m	0.0	5.0	.80	2.0	200n	1.6m	.40		0	7	F502	MLZ
49	SYP2534A	512	2	SSD	3.5M	MNI	600m	0.0	5.0	.80	2.0	200n	1.6m	.40		0	7	F502	MLZ
50	SYT2534A	512	2	SSD	3.5M	MNI	600m	0.0	5.0	.80	2.0	200n	1.6m	.40		0	7	F502a	MLZ
51#	MF7111A	512	4	SSD	2.0M	MNG	800m	0.0	5.0	.80	2.0	200n	4.0m	.40		0	7	ML2a	
52#	MF7111	512	4	SSD	2.0M	MNG	800m	1.25	5.0	.80	2.0	200n	4.0m	.40	10k	5	8	ML2a	
53	CM4500-01	1024	1	D	5.0M	MPG	400m	5.0	5.0	.80	3.0	100n	6.0m	0.0		0	7		
54	280451E	1024	1	PPD	10M	MPG	500m	5.0	5.0	.50	2.4	100n	1.6m	.50		0	7		
55	280459E	1024	1	PPD	10M	MPG	500m	5.0	5.0	.50	2.4	100n	1.6m	.50		0	7		
56#	HD3504	1024	1	SSD	1.0M	MPG	600m	5.0	5.0	.80	3.2				10k	2	7	F29b	ML30a
57	C2405	1024	1	SSD	1.0M	MNG	1.0	0.0	5.0	.65	2.2					0	7	F106a	ML10c
58	P2405	1024	1	SSD	1.0M	MNG	350m	0.0	5.0	.65	2.2					0	7	F106	ML2d
59	CRC1501-1-2	1024	1	SSD	1.0M	MPC	300m	12	0.0	-2.0	-9.0				25k	0	8	F135	ML5
60	CRC1501-2-2	1024	1	SSD	1.0M	MPC	300m	12	0.0	-2.0	-9.0				10k	2	8	F135	ML5
61	SYM1404A	1024	1	SSD	1.5MΔ		1.0	9.0	5.0	.80	2.0	1.0uΔ	1.6m	.50	1.5M#	0	7	PN8e	CY4f
62	SYP1404A	1024	1	SSD	1.5MΔ		1.0	9.0	5.0	.80	2.0	1.0uΔ	1.6m	.50	1.5M#	0	7	PN8k	ML116a
63	S1687	1024s	1	SSD	2.0M		200m	12	5.0	.90	3.7	200n	1.6m	.40	10k	0	7	F201	CY6
64	MM1412A	1024	1	SSD	2.0M	MPG	600m	5.0	5.0	.80	3.0	250n	1.6m	.50	200	0	7	F30a	TO100
65	MM1404A	1024	1	SSD	2.5M	MPG	600m	5.0	5.0	.80	3.0	90n	1.6m	.50	100	0	7	PN8e	TO99
66	MM4013D	1024Δ	1	SSD	2.5MΔ	MPX	255m	12	5.0	.80	3.0s	200n	1.6m	.40	10k	5	C	F197	ML202
67	MM4013H	1024Δ	1	SSD	2.5MΔ	MPX	255m	12	5.0	.80	3.0s	200n	1.6m	.40	10k	5	C	F196	TO100
68	MM5013D	1024Δ	1	SSD	2.5MΔ	MPX	255m	12	5.0	.80	3.0s	200n	1.6m	.40	10k	0	7	F197	ML202
69	MM5013H	1024Δ	1	SSD	2.5MΔ	MPX	255m	12	5.0	.80	3.0s	200n	1.6m	.40	10k	0	7	F196	TO100
70	MM5013N	1024Δ	1	SSD	2.5MΔ	MPX	255m	12	5.0	.80	3.0s	200n	1.6m	.40	10k	0	7	F197	ML116b
71	IM7712CTV	1024	1	SSD	3.0M	MPG	600m	5.0	5.0	1.0	3.0	150n	1.6m	.50	500	5	8	F30a	TO100
72	IM7712CTV	1024	1	SSD	3.0M	MPG	600m	5.0	5.0	1.0	3.0	150n	1.6m	.50	500	5	8	F30a	TO100
73	IM7722CMD	1024	1	SSD	3.0M	MPG	600m	5.0	5.0	1.0	3.0	150n	1.6m	.50	500	5	8	F131	ML90
74	IM7722CPTA	1024	1	SSD	3.0M	MPG	600m	5.0	5.0	1.0	3.0	15n	1.6m	.50	500	5	8	F131	ML90
75	IM7722CPTA	1024	1	SSD															

7. SHIFT REGISTERS

IN ORDER OF (1) No. BITS/REG (2) No. REGISTERS
(3) OP. CODE (4) MAX W/C FREQ (5) STRUCT (6) TYPE No

LINE No.	TYPE No.	ORGANIZATION		3 OPER. CODE	4 MAX CASE FREQ. (Hz)	5 STRUCTURE CODE	MAX OPER. POWER DISS. (W)	RATED POWER SUP. SPAN		INPUT LOGIC LEVELS		MAX PROP. DELAY (s)	MIN OUTPUT SINK CURRENT @ OUT		MIN CLOCK FREQ. (Hz)	OPER. TEMP. RANGE CODE	DRAWINGS			
		1 BITS PER REGISTER	2 No. REGS					NEG. (V)	POS. (V)	MAX '0' (V)	MIN '1' (V)		(A)	(V)			LOGIC/BLOCK	OUTLINE		
																			-	+
1	MM3404	1024	1	SSD	1.0M	MPG	500m	5.0	5.0	.80	3.0	90n	1.6m	50	30	0	7	PN8e	TO99	
2	AM2533DC	1024	1	SSS	1.5MΔ	MPG	150m	12	5.0	.80	2.0	300n	1.6m	40	0	0	7	F287	ML164	
3	AM2533V	1024	1	SSS	1.5MΔ	MPG	150m	12	5.0	.80	3.2	300n	1.6m	40	0	0	7	F287	ML163	
4	MM5068N	1024	1	SSS	1.5MΔ	MPG	456m	12	5.0	.80	3.5	300n	1.6m	40	0	0	7	F238	ML116b	
5	SYC2533	1024	1	SSS	2.0MΔ†	MNI	1.0	0.0	5.0	.80	2.0	300n	1.6m	40	0	0	7	F238	ML283	
6	SYT2533	1024	1	SSS	2.0MΔ†	MNI	1.0	0.0	5.0	.80	2.0	300n	1.6m	40	0	0	7	F238	MO002AL	
7	IM7733CDA	1024	1	SSS	2.0MΔ	MNX	315m	0.0	5.0	.80	2.0		3.2m	45	0	0	7	F238a	ML164a	
8	IM7733CPA	1024	1	SSS	2.0MΔ	MNX	315m	0.0	5.0	.80	2.0		3.2m	45	0	0	7	F238a	ML163a	
9	IM7733CTY	1024	1	SSS	2.0MΔ	MNX	315m	0.0	5.0	.80	2.0		3.2m	45	0	0	7	F238a	TO99	
10	IM7733MDA	1024	1	SSS	2.0MΔ	MNX	385m	0.0	5.0	.80	2.0		1.9m	40	5	5	5	F238a	ML164a	
11	IM7733MPA	1024	1	SSS	2.0MΔ	MNX	385m	0.0	5.0	.80	2.0		1.9m	40	5	5	5	F238a	ML163a	
12	IM7733MTY	1024	1	SSS	2.0MΔ	MNX	385m	0.0	5.0	.80	2.0		1.9m	40	5	5	5	F238a	TO99	
13	TMS3133NC	1024	1	SSS	2.0M	MPI	420m	12	5.0	.80	3.6	350n	1.6m	40	2	8	8	F238	ML208	
14	SYC2833	1024	1	SSS	3.0MΔ†	MNI	1.0	0.0	5.0	.80	2.0	300n	1.6m	40	0	0	7	F238	ML263	
15	SYMC2833	1024	1	SSS	3.0MΔ†	MNI	1.0	0.0	5.0	.80	2.0	300n	1.6m	40	0	0	7	F238	ML263	
16	SYP2833	1024	1	SSS	3.0MΔ†	MNI	1.0	0.0	5.0	.80	2.0	300n	1.6m	40	0	0	7	F238	ML116a	
17	SYT2833	1024	1	SSS	3.0MΔ†	MNI	1.0	0.0	5.0	.80	2.0	300n	1.6m	40	0	0	7	F238	MO002AL	
18	SYC2833A	1024	1	SSS	3.5MΔ†	MNI	1.0	0.0	5.0	.80	2.0	200n	1.6m	40	0	0	7	F238	ML263	
19	SYP2833A	1024	1	SSS	3.5MΔ†	MNI	1.0	0.0	5.0	.80	2.0	200n	1.6m	40	0	0	7	F238	ML116a	
20	SYT2833A	1024	1	SSS	3.5MΔ†	MNI	1.0	0.0	5.0	.80	2.0	200n	1.6m	40	0	0	7	F238	MO002AL	
21	SYC2833B	1024	1	SSS	5.0MΔ†	MNI	1.0	0.0	5.0	.80	2.0	150n	1.6m	40	0	0	7	F238	ML263	
22	SYP2833B	1024	1	SSS	5.0MΔ†	MNI	1.0	0.0	5.0	.80	2.0	150n	1.6m	40	0	0	7	F238	ML116a	
23	SYT2833B	1024	1	SSS	5.0MΔ†	MNI	1.0	0.0	5.0	.80	2.0	150n	1.6m	40	0	0	7	F238	MO002AL	
24	SYC2833C	1024	1	SSS	6.0MΔ†	MNI	1.0	0.0	5.0	.80	2.0	110n	1.6m	40	0	0	7	F238	ML263	
25	SYP2833C	1024	1	SSS	6.0MΔ†	MNI	1.0	0.0	5.0	.80	2.0	110n	1.6m	40	0	0	7	F238	ML116a	
26	SYT2833C	1024	1	SSS	6.0MΔ†	MNI	1.0	0.0	5.0	.80	2.0	110n	1.6m	40	0	0	7	F238	MO002AL	
27	SYC2401	1024	2	PPD	1.0M	MNI	1.0	0.0	5.0	.65	2.2	50nΔ	10m	45	1.0M#	0	7	F495	ML107a	
28	SYP2401	1024	2	PPD	1.0M	MNI	1.0	0.0	5.0	.65	2.2	50nΔ	10m	45	1.0M#	0	7	F495	ML222	
29	SYC2401-1	1024	2	PPD	2.5M	MNI	1.0	0.0	5.0	.65	2.2	50nΔ	10m	45	2.5M#	0	7	F495	ML107a	
30	SYP2401-1	1024	2	PPD	2.5M	MNI	1.0	0.0	5.0	.65	2.2	50nΔ	10m	45	2.5M#	0	7	F495	ML222	
31	MM4025D	1024	2	SSD	1.0MΔ	MPG	409m	12	5.0	.80	3.3	160n	1.6m	40	60k	5	5	5	F335	ML177
32	MM4026D	1024	2	SSD	1.0MΔ	MPG	409m	12	5.0	.80	3.3	160n	1.6m	40	60k	5	5	5	F335	ML177
33	MM5025D	1024	2	SSD	3.0MΔ	MPG	409m	12	5.0	.80	3.3	160n	1.6m	40	10k	0	7	F335	ML177	
34	MM5025N	1024	2	SSD	3.0MΔ	MPG	409m	12	5.0	.80	3.3	160n	1.6m	40	10k	0	7	F338	ML203	
35	MM5026D	1024	2	SSD	3.0MΔ	MPG	409m	12	5.0	.80	3.3	160n	1.6m	40	10k	0	7	F336	ML177	
36	MM5026N	1024	2	SSD	3.0MΔ	MPG	409m	12	5.0	.80	3.3	160n	1.6m	40	10k	0	7	F336	ML178	
37	SYC2825A	1024	2	SSD	6.0MΔ	MXI		10	5.0	.80	4.0	500nΔ	1.6m	40	10k	0	7	F510	ML107a	
38	SYC2826	1024	2	SSD	6.0MΔ	MXI		10	5.0	.80	4.0	500nΔ	1.6m	40	10k	0	7	F511	ML107a	
39	SYP2825A	1024	2	SSD	6.0MΔ	MXI		10	5.0	.80	4.0	500nΔ	1.6m	40	10k	0	7	F510	ML222	
40	SYP2826	1024	2	SSD	6.0MΔ	MXI		10	5.0	.80	4.0	500nΔ	1.6m	40	10k	0	7	F511	ML222	
41	MM4027F	2048	1	SSD	1.0MΔ	MPG	409m	12	5.0	.80	3.3	160n	1.6m	40	60k	0	7	F337	FL36	
42	MM5027F	2048	1	SSD	3.0MΔ	MPG	409m	12	5.0	.80	3.3	160n	1.6m	40	10k	0	7	F337	FL36	
43	MM5027N	2048	1	SSD	3.0MΔ	MPG	409m	12	5.0	.80	3.3	160n	1.6m	40	10k	0	7	F339	ML116b	
44	SYC2827	2048	1	SSD	6.0MΔ	MXI		10	5.0	.80	4.0	500nΔ	1.6m	40	10k	0	7	F512	ML164	
45	SYP2827	2048	1	SSD	6.0MΔ	MXI		10	5.0	.80	4.0	500nΔ	1.6m	40	10k	0	7	F512	ML116a	
46#	MF2401	2048	2		1.0M		350m	0.0	5.0	.50	2.4		1.6m	50	0	0	7			
47	TMS3064JL	4096	16	SSC	5.0M	MNG	260m	5.0	12	.60	2.2	15n	3.2m	40	1.0M	0	7	F473	ML206	
48	C2464	65536	1	SSC	2.5MΔ	MNG		5.0	12	.80	2.2	285n	2.0m	40	0	0	7	F521	ML115c	
49	D2464	65536	1	SSC	2.5MΔ	MNG		5.0	12	.80	2.2	285n	2.0m	40	0	0	7	F521	ML231a	

MEMORY

20. SPECIAL MEMORY DEVICES

IN ORDER OF: (1)FUNCT CODE (2)NO. WORDS
(3)BITS/Wd (4)OP MODE (5)STRUCT & (6)TYPE NO.

MEMORY

LINE No.	TYPE No.	1 FUNCT-ION CODE	2 ORGANIZATION		4 OP MODE	5 STRUCTURE CODE	MAX. ACCES TIME (S)	MAX. OPER. DISS. (W)	RATED PWR. SUPPLY SPAN		INPUT LOGIC LEVELS		MIN. SINK (A)	OUTPUT CURRENT (V)	OUTPUT VOLT (V)	TEMP. RNG. CODE	GENERAL DESCRIPT-ION	DRAWINGS	
			No. WORDS	3 BITS per WORD					NEG. (V)	POS. (V)	MAX. '0' (V)	MIN. '1' (V)						LOGIC BLOCK	OUT -LINE
1	MM4220BNJ	ATN	128	8	SS	MPX	650n∅	300m∅	12	12	10*	4.0#						Z19	ML133a
2	MM5220BNJ	ATN	128	8	SS	MPX	650n∅	300m∅	12	12	10*	4.0#						Z19	ML133a
3	MM5220BNN	ATN	128	8	SS	MPX	650n∅	300m∅	12	12	10*	4.0#						Z19	ML183
4	S8771B	ATN	512	10	SS	MPI	450n†	1.0	12	5.0	.60	4.0						B109a	ML13b
5	S8829#1	ATN	512#	10	SS	MPI	450n†	1.0	12	5.0	.60	4.0						B109	ML13b
6	S8829#2	ATN	1024#	5	SS	MPI	450n†	1.0	12	5.0	.60	4.0						B109	ML13b
7	C3104	CAM	4	4	SW	BDT	30n	625m♦	0.0	5.0	.85	2.0	15m	.45	5	C		PN24gk	ML34c
8	SCL5533D	CAM	8	8	SW	MCX	250n	6.0m♦	0.0	10	.05%	9.95	360u%	9.5	5	C		Z12	ML195
9	SCL5533H	CAM	8	8	SW	MCX	250n	6.0m♦	0.0	10	.05%	9.95	360u%	9.5	5	C		Z12	CHZ
10	P2416	CCD	256	4	D	MNG	460nΔ*	300m	5.0	12	.80	3.5	3.0m	.45	1	8	64 Reg		ML3
11	TMS3064-1JDL	CCD	65536	1	DW	MNG	333n*Δ	320m	5.0	12	.60	2.2	3.2m	.40	0	7	16 Loops	Z58	ML206
12	TMS3064JDL	CCD	65536	1	DW	MNG	200n*Δ	320m	5.0	12	.60	2.2	3.2m	.40	0	7	16 Loops	Z58	ML206
13	EA4080	COS	512	10	SC	MPX	725n	205m	12	12	10	3.0						B38	ML41
14	CRC3004-1-3	MUL	256	8	SS	MPC	1.5u∅	270m∅	12	12	4.0*	2.5						B5	ML59
15	CRC3004-2-3	MUL	256	8	SS	MPC	1.5u∅	270m∅	12	12	4.0*	2.5						B5	FL10
16	N82S102F	PGA	1	9	SE	BTX	35n\$	600m†	0.0	5.0	0.8	2.0Δ	40uΔ	5.5	0	7	16VAR	Z63	ML411
17	N82S103F	PGA	1	9	SE	BTX	35n\$	600m†	0.0	5.0	0.8	2.0Δ	40uΔ	5.5	0	7	16VAR	Z63	ML411
18	S82S102F	PGA	1	9	SE	BTX	50n\$	600m†	0.0	5.0	0.8	2.0Δ	60uΔ	5.5	5	C	16VAR	Z63	ML411
19	S82S103F	PGA	1	9	SE	BTX	50n\$	600m†	0.0	5.0	0.8	2.0Δ	60uΔ	5.5	5	C	16VAR	Z63	ML411
20	29690DC	PLA	48	8	SE	BDT	30n†\$	600m†	0.0	5.0	.80	2.0Δ	12m	.45	0	7	16 VAR	Z35	MLZ
21	29690DM	PLA	48	8	SE	BDT	50n†\$	600m†	0.0	5.0	.80	2.0Δ	12m	.45	5	C	16 VAR	Z35	MLZ
22	29691DC	PLA	48	8	SE	BDT	30n†\$	600m†	0.0	5.0	.80	2.0Δ	12m	.45	0	7	16 VAR	Z35	MLZ
23	29691DM	PLA	48	8	SE	BDT	50n†\$	600m†	0.0	5.0	.80	2.0Δ	12m	.45	5	C	16 VAR	Z35	MLZ
24	N82S100F	PLA	48	8	SE	BTX	50n	600m†	0.0	5.0	0.8	2.0Δ	40uΔ	5.5	0	7	16VAR	Z61	ML411
25	N82S101F	PLA	48	8	SE	BTX	50n	600m†	0.0	5.0	0.8	2.0Δ	40uΔ	5.5	0	7	16VAR	Z61	ML411
26	N82S104I	PLA	48	8	SE	BTX	80n	850m	0.0	5.0	.85	2.0Δ	9.6m	.45	0	7	16VAR	Z24	ML199
27	N82S105I	PLA	48	8	SE	BTX	80n	850m	0.0	5.0	.85	2.0Δ	9.6m	.45	0	7	16VAR	Z24	ML199
28	S82S100F	PLA	48	8	SE	BTX	80n	600m†	0.0	5.0	0.8	2.0Δ	60uΔ	5.5	5	C	16VAR	Z61	ML411
29	S82S101F	PLA	48	8	SE	BTX	80n	600m†	0.0	5.0	0.8	2.0Δ	60uΔ	5.5	5	C	16VAR	Z61	ML411
30	DM7575J	PLA	96	8	SC	BTX	100n\$†	550m†	0.0	5.0	.80	2.0	12m	.40	5	C	14 VAR	Z14	ML133a
31	DM7576J	PLA	96	8	SC	BTX	100n\$†	550m†	0.0	5.0	.80	2.0	12m	.40	5	C	14 VAR	Z14	ML133a
32	DM8575J	PLA	96	8	SC	BTX	100n\$†	550m†	0.0	5.0	.80	2.0	12m	.40	0	7	14 VAR	Z14	ML133a
33	DM8575N	PLA	96	8	SC	BTX	100n\$†	550m†	0.0	5.0	.80	2.0	12m	.40	5	C	14 VAR	Z14	ML183
34	DM8576J	PLA	96	8	SC	BTX	100n\$†	550m†	0.0	5.0	.80	2.0	12m	.40	0	7	14 VAR	Z14	ML133a
35	DM8576N	PLA	96	8	SC	BTX	100n\$†	550m†	0.0	5.0	.80	2.0	12m	.40	5	C	14 VAR	Z14	ML183
36	N82S104F	PLS			SE	BTX	90n	650m†	0.0	5.0	0.8	2.0Δ	40uΔ	5.5	0	7	16VAR	Z64	ML411
37	N82S105F	PLS			SE	BTX	90n	650m†	0.0	5.0	0.8	2.0Δ	40uΔ	5.5	0	7	16VAR	Z64	ML411
38	S82S104F	PLS			SE	BTX	90n	650m†	0.0	5.0	0.8	2.0Δ	60uΔ	5.5	5	C	16VAR	Z64	ML411
39	S82S105F	PLS			SE	BTX	90n	650m†	0.0	5.0	0.8	2.0Δ	60uΔ	5.5	5	C	16VAR	Z64	ML411
40	N82S106F	PRP	48	8	SE	BTX	70n	600m†	0.0	5.0	0.8	2.0Δ	40uΔ	5.5	0	7		Z65	ML411
41	N82S107F	PRP	48	8	SE	BTX	70n	600m†	0.0	5.0	0.8	2.0Δ	40uΔ	5.5	0	7		Z65	ML411
42	S82S106F	PRP	48	8	SE	BTX	100n	600m†	0.0	5.0	0.8	2.0Δ	60uΔ	5.5	5	C		Z65	ML411
43	S82S107F	PRP	48	8	SE	BTX	100n	600m†	0.0	5.0	0.8	2.0Δ	60uΔ	5.5	5	C		Z65	ML411
44	S9660	RYG	64	1	SS	MPI			12	0.0	0.0	-7.0					7 RHY	Z23	ML155
45	S2566	RYG	256	8	SC	MPX		160m†			-18	.30						B146	ML118b
46	MCM6550L	RYG	7168	1	SC	MNM	1.0m*	500m	0.0	5.0	.60	3.0	2.0m	.40	0	7		Z5	ML189
47	MCM6550P	RYG	7168	1	SC	MNM	1.0m*	500m	0.0	5.0	.60	3.0	2.0m	.40	0	7		Z5	ML190
48	S8773#3	SCN	256	10	SC	MPI	550n*	595m	12	5.0	.60	3.7						C48	ML23b
49	S8773A	SCN	256	10	SC	MPI	550n*	595m	12	5.0	.60	3.7						C48	ML23b
50	S8772#1	SCN	512#	8	SS	MPI	450n†	1.0	12	5.0	.60	4.0						A145	ML13b
51	S8771#1	SCN	512#	10	SS	MPI	450n†	1.0	12	5.0	.60	4.0						B109	ML13b
52	S8771A	SCN	512	10	SS	MPI	450n†	1.0	12	5.0	.60	4.0						B109a	ML13b
53	S8772#2	SCN	1024#	4	SS	MPI	450n†	1.0	12	5.0	.60	4.0						A145	ML13b
54	S8771#2	SCN	1024#	5	SS	MPI	450n†	1.0	12	5.0	.60	4.0						B109	ML13b
55	CRC3003-1-3	SIN	128	8	SS	MPC	4.0u	130m†	27	0.0	-2.0	-9.0						B4	ML31a
56	CRC3003-2-3	SIN	128	8	SS	MPC	4.0u	130m†	27	0.0	-2.0	-9.0						B4	FL3
57	MM4220BMJ	SIN	128	8	SS	MPX	650n∅	300m∅	12	12	10*	4.0#						Z19	ML133a
58	MM5220BMJ	SIN	128	8	SS	MPX	650n∅	300m∅	12	12	10*	4.0#						Z19	ML133a
59	MM5220BMN	SIN	128	8	SS	MPX	650n∅	300m∅	12	12	10*	4.0#						Z19	ML183
60	MM4232AEIJ	SIN	512	8	SS	MPX	1.0u∅	629m∅	12	5.0	1.0	3.0Δ	1.6m	.40	5	C		Z20	ML133a
61	MM4232AEJJ	SIN	512	8	SS	MPX	1.0u∅	629m∅	12	5.0	1.0	3.0Δ	1.6m	.40	5	C		Z20	ML183a
62	MM4232AEKJ	SIN	512	8	SS	MPX	1.0u∅	629m∅	12	5.0	1.0	3.0Δ	1.6m	.40	5	C		Z20	ML183a
63	MM5232AEIJ	SIN	512	8	SS	MPX	1.0u∅	629m∅	12	5.0	1.0	3.0Δ	1.6m	.40	0	7		Z20	ML133a
64	MM5232AEIN	SIN	512	8	SS	MPX	1.0u∅	629m∅	12	5.0	1.0	3.0Δ	1.6m	.40	0	7		Z20	ML183
65	MM5232AEJJ	SIN	512	8	SS	MPX	1.0u∅	629m∅	12	5.0	1.0	3.0Δ	1.6m	.40	0	7		Z20	ML183a
66	MM5232AEJN	SIN	512	8	SS	MPX	1.0u∅	629m∅	12	5.0	1.0	3.0Δ	1.6m	.40	0	7		Z20	ML183
67	MM5232AEKJ	SIN	512	8	SS	MPX	1.0u∅	629m∅	12	5.0	1.0	3.0Δ	1.6m	.40	0	7		Z20	ML183a
68	MM5232AEKN	SIN	512	8	SS	MPX	1.0u∅	629m∅	12	5.0	1.0	3.0Δ	1.6m	.40	0	7		Z20	ML183
69	EA4079	SIN	512	10	SC	MPX	725n	205m	12	12	10	3.0						B38	ML41
70	S086D	SIN	1024	10	SC	BDT	150n	500m†	0.0	5.0	.80	2.0	6.0m	.50	5	C		B125	ML47c
71	6086D	SIN	1024	10	SC	BDT	150n	500m†	0.0	5.0	.80	2.0	6.0m	.50	0	7		B125	ML47c
72	EA3801	SIN	1024	12	DC	MPX	2.5u	350m	12	12	-2.0	-1.0						B93	MLZ
73	NC7035	SYS	16	18	SE	MPN	1.8m	360m	18	0.0	-7.0	-1.0	500u	-1.0	2	8	Non-VOL	Z27	MLZ
74	NC7033	SYS	21	16	SE	MPN	1.0u	420m	30	0.0	-4.6	-1.0	500u	-1.0	0	7	Non-VOL	Z26	MLZ
75	NC7053L	SYS	128	8	SE	MPN	1.0u	350m	25	5.0	.80	2.4	1.6m	.45	0	7	NON-VOL	Z33	ML207c
76	NC7053P	SYS	128	8	SE	MPN	1.0u	350m	25	5.0	.80	2.4	1.6m	.45	0	7	NON-VOL	Z33	ML72d
77	NC7054L	SYS	256	4	DE	MPN	1.0u	370m	25	5.0	.80	2.4†	2.0m	.45	0	7	NON-VOL	Z34	MLZ
78	NC7054M	SYS	256	4	DE	MPN	1.0u</												

MANUFACTURERS CODES, NAMES & ADDRESSES

SPACE—SAVERS UTILIZED IN THIS MANUFACTURER LISTING

(*) — Manufacturer not a current commercial producer of Integrated Circuits. Address is that last recorded in our files. Company may or may not be active at this address.

see (code) — Indicates one or more of the following changes have occurred since original letter code was used: (1) Change of Code; (2) Change of manufacturer name; (3) Purchased by or combined with another manufacturer.

MANUFACTURERS IN ORDER OF CODE LETTERS

- (*) ADC — ADC Digital Products, Div. of Canoga Electronics Corp., 8966 Comanche Ave., Chatsworth, CA 91311
- (*) AEX — Ampex Corp., 13031 W. Jefferson Blvd., Marina Del Rey, CA 90291
- ALGG — AEG Telefunken, Seneprodukte, Geshoietzbereich Halbleiter Postf 1109, Theresieuster 2 Heilbron, West Germany
- AMI — American Micro-Systems, Inc., 3800 Homestead Rd., Santa Clara, CA 95051
- (*) AMS — Advanced Memory Systems, Inc., 1276 Hammerwood Ave., Sunnyvale, CA 94086
- AMD — Advanced Micro Devices, Inc., 901 Thompson Pl., Sunnyvale; A 94086
- AMV — (See AMD)
- ANA — Analog Devices, Inc., P.O. Box 280, Norwood, MA 02062
- APX — Amperex Electronic Corp., Slatersville Div., Providence Pike, Slatersville, RI 02876
- (*) ARL — Achrodyne Corp., 113 Thomas Rd., Grafton, VA 23490
- (*) ATL — Atlantic Instruments Corp., 50 Hunt St., Watertown, MA 02172
- (*) BCP — Bryant Computer Products, 850 Ladd Rd., Walled Lake, MI 48088
- BEC — Beckman Instruments Inc., 350 No. Hayden Rd., Scottsdale, AZ 85257
- BECK — Beckman Instruments Inc., 2500 Harbor Blvd., Fullerton, CA 92634
- (*) BNT — Burns & Towne, Inc., 18-36 Granite St., Haverhill, MA 01830
- (*) BOW — Bowmar, Inc., 4900 E. Indian School Rd., Phoenix, AZ 85018
- BUB — Burr-Brown Research Corp., P.O. Box 11400, 6730 So. Tucson Blvd., Tucson, AZ 85734
- BUR — Burroughs Corp., P.O. Box 1226, Plainfield, NJ 07061
- (*) CAE — CAE Industries, Ltd., P.O. Box 6166, Montreal 3, Quebec, Canada
- (*) CAM — Cambridge Thermanic Corp., Digital System, 445 Concord Ave., Cambridge, MA 02138
- (*) CDI — Computer Dynamics, 245 E. Elm St., Torrington, CT 06790
- (*) CEM — California Electronic Manufacturing Co., Inc., Alamo, CA 94507
- (*) CEQ — Control Equipment Corp., 19 Kearney Rd., Needham Heights, MA 02194
- CER — Cermetek, Inc., 1308 Borregas, Sunnyvale, CA 94086
- (*) CGR — Cogar Corp., Technology Dept., All Angels Hill Rd., Wappinger Falls, NY 12590
- CHE — Cherry Semiconductor Corp., 99 Bald Hill Rd., Cranston, RI 02920
- (*) CLC — Computer Logic Corp., 1528 20th St., Santa Monica, CA 90404
- (*) CLI — Control Logic Inc., 9 Tech Circle, Natick, MA 01760
- (*) CMI — CTS Microelectronics, Inc., 1201 Cumberland Ave., W. Lafayette, IN 47906
- CPD — Control Products Div., 706 Bostwick Ave., Bridgeport, CT 06605
- CPR — Power Products Div. of CPI, 1400 N.W. 70th St., Fort Lauderdale, FL 33309
- (*) CRC — Collins Radio Co., MOS Standard Products, 4311 Jamboree Blvd., Newport Beach, CA 92663
- (*) CSR — CSR Industries, Inc., Semicon. Div., 59 Central Ave., E. Farmingdale, NY 11735
- DAC — DI/AN Controls Inc., 944 Dorchester Ave., Boston, MA 02125
- (*) DAM — Damon Corp., Electronics Div., 115 Fourth Ave., Needham, MA 02194
- DDC — ILC Data Device Corp., 105 Wilbur Pl., Airport International Plaza, Bohemia, NY 11716
- DEC — Digital Equipment Corp., One Iron Way, Marlborough, MA 01752
- (*) DET — Delttime, Inc., 225 Hoyt St., Mamaroneck, NY 10544
- DIS — Discon Industries, Inc., 61 S.W. 5th Court, Pompano Beach, FL 33060
- DMC — Dynamic Measurements Corp., 6 Lowell Ave., Winchester, MA 01890
- (*) DTC — Data Tech, A Div. of Penril Corp., 2700 So. Fairview Rd., Santa Ana, CA 92704
- DTL — Datel Intersil, Inc., 11 Cabot Blvd., Mansfield Industrial Park, Mansfield, MA 02048
- EAI — Electronic Arrays, Inc., 550 E. Middlefield Rd., Mountain View, CA 94043
- (*) EBAS — Ebauches S.A., Dept. Oscilloquartz, 2001 Neuchatel, Switzerland
- ECV — Energy Conversion Devices, Inc., 1675 W. Maple Rd., Troy, MI 48084

MANUFACTURERS CODES, NAMES & ADDRESSES

MANUFACTURERS IN ORDER OF CODE LETTERS

- (*) EEC – Electronic Engineering Co. of Calif., Components Div., 1441 E. Chestnut Ave., Santa Ana, CA 92702
- EELC – Epitek Electronics, Ltd., 100 Schneider Rd., Box 13160, Kanata, Ontario K2K 1Y2, Canada
- (*) EFM – Electronics For Measurement, 848 Marchesa St., Siltadena, CA 91001
- (*) EGG – EG&G, Inc., Electro Optics Div., 35 Congress St., Salem, MA 01970
- (*) EGI – Ess Gee, Inc., 1 Holland Ave., White Plains, NY 10603
- (*) ELLB – Elliott Automation Microelectronics Ltd., Borehamwood, Hertfordshire, England
- (*) EMC – Electronic Module Corp., P.O. Box 141, Timonium, MD 21093
- EXR – Exar Integrated Systems, Inc., Box 62229, 750 Palomar Ave., Sunnyvale, CA 94088
- FCAJ – Fujitsu Ltd., 1015 Kamikodanaka, Nakahara-ku, Kawasaki Kanagawa, 211, Japan
- (*) FCP – Fairchild Microwave & Opto Electronics Div., 3500 Deer Creek Rd., Palo Alto CA 94340
- FERB – Ferranti Electronics Ltd., Fields New Rd., Chadderton, Oldham OL9 8NP, England
- FSC – Fairchild Camera & Instrument Corp., Semicon. Div., 646 Ellis St., MS15-1035, Mountain View, CA 94042
- (*) GEGB – GEC Semiconductors Ltd., Wiltham, Essex, England
- (*) GESY – General Electric Co., IC Project Bldg. 5, Electronics Park, Syracuse, NY 13201
- GIC – General Instrument Corp., 600 West John St., Hicksville, NY 11802
- (*) GPS – GPS Corp., 14 Burr St., Framingham, MA 01701
- HAL – CTS Hallex Inc., 1202 McGaw Ave., Irvine, CA 92714
- HAS – Harris Semiconductor, P.O. Box 883, Melbourne, FL 32901
- HBC – Hybrid Systems Corp., Crosby Dr., Bedford Research Park, Bedford, MA 01730
- (*) HIS – Honeywell Information Systems, Inc., Old Connecticut Path, Framingham MA 01701
- HITJ – Hitachi, Ltd., 1450 Josuihon-cho, Kolaira-shi, Tokyo 187, Japan
- (*) HPA – Hewlett-Packard Co., Micro Electronic Group, Microwave Div., 1501 Page Mill Rd., Palo Alto, CA 94304
- (*) HSE – Hamilton Standard, Main St., Broad Brook, CT 06010
- ICC – Information Control Corp., Abacus Div., 9610 Bellanca Ave., Los Angeles, CA 90045
- (*) INI – Intellux, Inc., 26 Coromar Dr., Goleta, CA 93017
- INL – Intersil, Inc., 10710 No. Tantau Ave., MS 37, Cupertino, CA 95014
- (*) INS – Inselek, University Park Plaza, 743 Alexander Rd., Princeton, NJ 08540
- INT – Intronics, Inc., 57 Chapel St., Newton, MA 02158
- (*) ITH – Ithaco, Inc., 736 W. Clinton St., Ithaca, NY 14850
- ITI – Intech Inc., 282 Brokaw Rd., Santa Clara, CA 95050
- ITL – Intel Corp., 3065 Bowers Ave., Santa Clara, CA 95051
- ITT – ITT Semiconductors Intermetall, P.O. Box 840, D-7800 Freiburg 1 BR West Germany
- (*) ITTW – ITT Manufacturing Services, Div. ITT Industries, Ltd., Cefundy Rd., Rhyl, Flintshire, North Wales
- (*) KME – K&M Electronics Corp., 408 Paulding Ave., Northvale, NJ 07647
- (*) KNA – Knapton Associates, Inc., Nashua Servo Controls Div., 130 Northeastern Blvd., Nashua, NH 03060
- (*) LAI – Linear Alpha Inc., 823 Emerson St., Evanston, IL 60201
- LAM – Lambda Semiconductors, 121 International Dr., Corpus Christi, TX 78410
- (*) LED – Ledex, Inc., 123 Webster St., Dayton, OH 45402
- (*) LSI – Lithic Systems, Inc., 15800 Sanborn Rd., P.O. Box 478, Saratoga, CA 95070
- LTIC – Linear Technology, Inc., 3435 Landmark Rd., Burlington, Ontario L7M 1T4, Canada
- MAL – Mallory Distributor Products Co., P.O. Box 1284, Indianapolis IN 46206
- MATJ – Matsushita Electronics Corp., Semicon. Div., 1 Kotari-Yakemachi, Nagaukakyu, Kyoto 617 Japan
- MDI – Modular Devices, Inc., 50 Orville Dr., Airport International Plaza, Bohemia, NY 11716
- (*) MEP – Mepco, Inc., Columbia Rd., Morristown, NJ 07960
- MIA – MIL Electronics, Inc., 176 Walker St., Lowell, MA 01854
- (*) MILC – Microsystems International, Ltd., Box 3529, Station C. Ottawa, Canada
- (*) MIS – Mini-Systems, Inc., 20 David Rd., North Attleboro, MA 02761
- MITC – Mitel Semiconductor, Inc., P.O. Box 13089, Kanata, Ottawa, Ontario Canada K2K 1X3
- MITJ – Mitsubishi Electric Corp., Kita-Itami Works, 4-1 Mizuhara, Itami-shi, Hyogo-Ken, Post Code 664, Japan
- MMI – Monolithic Memories, Inc., 1165 E. Arques Ave., Sunnyvale, CA 94086

MANUFACTURERS CODES, NAMES & ADDRESSES

MANUFACTURERS IN ORDER OF CODE LETTERS

- (*) MMT — Memory Technology, Inc., 533 Boston Post Rd., Waland, MA 01776
- MNC — Micro Networks Corp., 324 Clark St., Worcester, MA 01606
- MON — Aydin Monitor Systems, P.O. Box 328, Newton, PA 18940
- MOS — Mostek Corp., 1215 W. Crosby Rd., Carrollton, TX 75006
- MOTA — Motorola Semiconductor Products, Inc., 5005 E. McDowell Rd., M370, Phoenix, AZ 85008
- MPI — Micropac Industries, 905 E. Walnut St., Garland, TX 75040
- (*) MSC — Micro Semiconductor Corp., 11250 Playa Ct., Culver City, CA 90230
- MTY — MOS Technology, Inc., Valley Forge Corporate Ctr., 950 Rittenhouse Rd., Norristown, PA 19401
- MULB — Mullard Ltd., Mullard House, Torrington Pl., WC1E 7HD, London, England
- (*) NAP — North American Philips Controls Corp., Cheshire Industrial Park., Cheshire, CT 06410
- (*) NCC — KDI-Navcor, Inc., 5721 Dragon Way, Cincinnati, OH 45227
- NECJ — Nippon Electric Co., Ltd., Electron Dev. Sales Div., 1753 Shimonumabe Nakahara-ku, Kawasaki City, Japan
- NECM — NEC Microcomputers, Inc., 173 Worcester Rd., Wellesley, MA 02181
- NIT — Nitron Inc., 10420 Bubb Rd., Cupertino, CA 95014
- NPC — (See THCS)
- NSC — National Semiconductor, Microcircuits Div., 2900 Semiconductor Dr., Santa Clara, CA 95051
- (*) OEI — Optical Electronics, Inc., P.O. Box 11140, Tucson, AZ 85734
- OPA — Opamp Labs, Inc., 1033 North Sycamore Ave., Los Angeles, CA 90038
- (*) PHIL — Philco-Ford Corp., Microelectronics Div., 1400 Union Meeting Rd., Blue Bell, PA 19422
- PHIN — N.V. Philips Gloeilampenfabrieken, Elcoma Tech. Dept. Bldg. BA, Eindhoven, Netherlands
- PLSB — Plessey Semiconductors, Ltd., Cheney Manor, Swindon, Wiltshire, SN2 2QW, England
- PMI — Precision Monolithics, Inc., 1500 Space Park Dr., Santa Clara, CA 95050
- (*) QDC — Qualidyne Corp., 1230 Bordeaux Dr. Sunnyvale, CA 94086
- (*) QDI — Quadri Corp., 2950 W. Fairmont, Phoenix, AZ 85017
- QUM — Q.D.C. Corp., 3568 U.S. Highway 22, Somerville, NJ 08876
- RAG — (See RTC)
- RCA — RCA Corporation, Solid State Div., Route 202, Somerville, NJ 08876
- RLB — Reliability, Inc., P.O. Box 37409, Houston, TX 77036
- (*) ROA — RO Associates, Inc., 3705 Haven Ave., P.O. Box 2163, Menlo Park, CA 94025
- RTC — Riehl Time Corporation, 53 So. Jefferson Rd., Whippany, NJ 07981
- RTCF — R.T.C. LaRadiotechnique Compelec, 130 Ave. Ledru-Rollin, 75 540 Paris Cedex 11 France
- RTN — Raytheon Company, 350 Ellis St., Mountain View, CA 94042
- SAKJ — Sanken Electric Co., Ltd., 1-22-8 Nishi, Ikebukuro, Toshima-ku, Tokyo, Japan
- SCD — Semiconductor Circuits, Inc., 218 River St., Haverhill, MA 01830
- (*) SCI — SCI Electronics, Inc., 8330 Broadway, Houston, TX 77017
- (*) SDU — Struthers Dunn, Inc., Lambs Rd., Pitman, NJ 08071
- (*) SESC — Societe Europeene Des Semiconducteurs, 41, Rue de L'Admiral Mouchez, Paris 13e, France
- SGAI — SGS-ATES Componenti Elettronici (S.p.A.), Via C. Olivetti, 2, 20041 Agrate Brianza, Milan, Italy
- SGL — Silicon General Inc., 11651 Monarch St., Garden Grove, CA 92641
- SIC — Signetics Corp., 811 E. Arques Ave., Mail Bin 25, Sunnyvale, CA 94086
- (*) SIE — Siemens Corp., Components Group, 8700 E. Thomas Rd., Scottsdale, AZ 85252
- SIEG — Siemens Aktiengesellschaft, 8 Munchen 46, Frankfurter Ring 152, West Germany
- (*) SIL — Silicon Transistor Corp., KSC Way, Chelmsford, MA 01824
- SIX — Siliconix, Inc., 2201 Laurelwood Rd., Santa Clara, CA 95054
- (*) SLTC — Siltek International, Ltd., Airport Industrial Pk., Bromont, Quebec, Canada
- (*) SMI — EMM/SEMI Inc., 2000 W. 14th St., Tempe, AZ 85281
- SOD — Solitron Devices, Inc., 8808 Balboa Ave., San Diego, CA 92123
- (*) SPP — Simmonds Precision Products, Inc., Tarrytown, NY 10592
- SPR — Sprague Electric Co., 87 Marshall St., N. Adams, MA 01247

MANUFACTURERS CODES, NAMES & ADDRESSES

MANUFACTURERS IN ORDER OF CODE LETTERS

- SRL — Standard Reference Labs, Inc., Sub. of CODI Corp., Pollitt Drive South, Fair Lawn, NJ 07410
- (*) SSD — Sperry Semiconductor, 380 Main Ave., Norwalk, CT 06852
- SSE — Solid State Electronics Corp., 15321 Rayen St., Sepulveda, CA 91343
- SSS — Solid State Scientific, Inc., Montgomeryville, PA 18936
- STK — Statek Corporation, 512 No. Main, Orange, CA 92668
- (*) SWM — Stewart-Warner Microcircuits, Inc., 730 E. Evelyn Ave., Sunnyvale, CA 94086
- SYK — Synertek, Inc., 3001 Stender Way, Santa Clara, CA 95051
- (*) SYL — Sylvania Electric Products, Inc., 100 Sylvan Rd., Woburn, MA 01801
- (*) TADI — Tadiran, Israel Electric, Inc., Ltd., 3 Hashalom Rd., POB 648, Tel Aviv, Israel
- TCY — Teledyne Crystalonics Inc., 147 Sherman St., Cambridge, MA 02140
- (*) TEC — Transitron Electronic Corp., 168-182 Albion St., Wakefield, MA 01880
- (*) TEK — Trans-Tek Manufacturing Co., 4405 So. Clinton Ave., So. Plainfield, NJ 07080
- THCF — Thomson CSF, Div. Semiconducteurs SESCOSEM, 50, rue Jean Pierre Timbaud, BP5, 92403 Courbevoie, France
- THCS — Thomson CSF Components, Semicon. Div., 6660 Variel Ave., Canoga Park, CA 91303
- (*) TID — Tyco Instrument Div., 223 Crescent St., Waltham, MA 02154
- TII — Texas Instruments, Inc., Inquiry Answering Service MS/308, P.O. Box 225012, Dallas, TX 75265
- TIIB — Texas Instruments, Ltd., Manton Lane, Bedford, England K41 7PA
- (*) TMI — Transmagnetics, 210 Adams Blvd., Farmingdale, NY 11735
- TPN — Teledyne Philbrick, Allied Drive at Route 128, Dedham, MA 02026
- TRA — Tecnectics, Inc., P.O. Box 910, Boulder Industrial Park, Boulder, CO 80302
- (*) TRC — The Roback Corp., Harmon-Kardon, Module Div., Huntingdon Valley, PA 19006
- TRW — TRW LSI Products, P.O. Box 1125, Redondo Beach, CA 92078
- TSAJ — Tokyo Sanyo Electric Co., Ltd., Semicon. Div. Oizumimachi Oragun, Gumma, Japan
- TSC — Teledyne Semiconductor Corp., 1300 Terra Bella Ave., Mountain View, CA 94043
- (*) TSIX — Torque Systems, Inc., P.O. Box 167, 225 Crescent St., Waltham, MA 02154
- (*) UNC — United Computer Co., 4504 N. 16th St., Phoenix, AZ 85016
- (*) VAD — Varadyne, Inc., 3223 Wilshire Blvd., Santa Monica, CA 90403
- VALG — Valvo GmbH, P.O. Box 993, D2000, Hamburg 1, West Germany
- (*) VDM — Varian Data Machines, 2722 Michelson Dr., Irvine, CA 92664
- (*) VEL — Vectron Laboratories, Inc., 166 Glover Ave., Norwalk, CT 06854
- (*) WAL — Walkirt Co., 8944 Mason Ave., Canoga Park, CA 91306
- (*) WBC — Golden Technology, Inc., 3017 Santa Rose Ave., Santa Rose, CA 95401
- WDC — Western Digital Corp., 3128 Red Hill Ave., Box 2180, Newport Beach, CA 92663
- (*) WESC — Canadian Westinghouse Co., Ltd., Solid State Dev. Dept., P.O. Box 510, Hamilton, Ontario, Canada
- (*) WESY — Westinghouse Electric Corp., Molecular Electronics Div., Box 7377, Elkridge, MD 21227
- WJC — Watkins-Johnson Co., 3333 Hillview Ave., Palo Alto, CA 94304
- WLD — Wyle Labs/Computer Products, 3200 Magruder Blvd., Hampton, VA 23666
- (*) WT1 — Western Telematic, Inc., 3507 Peck Rd., Arcadia, CA 91006
- (*) XDS — Xerox Data Systems, 565 So. Aviation Blvd., El Segundo, CA 90245
- ZEL — Zeltex, Inc., 940 Detroit Ave., Concord, CA 94518