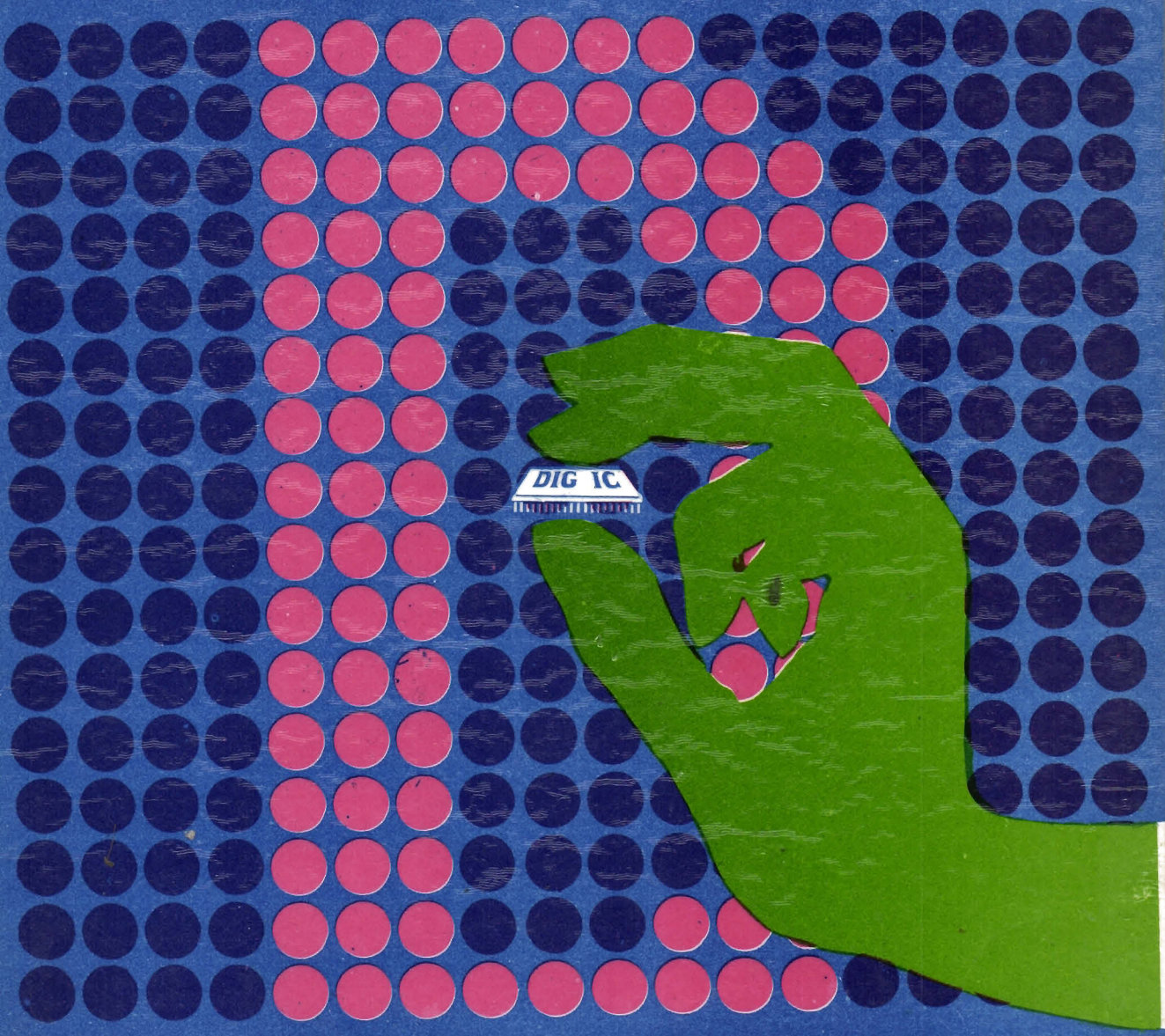
Towers' International Digital IC Selector

T D Towers, MBE, MA, BSc, C. Eng, MIERE

Over 13,000 American, European, British and Japanese Digital Integrated circuits with Electrical and Mechanical specifications, Manufacturers and available Substitutes



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Specification data for the identification, selection and substitution of digital ICs.

by **T. D. Towers,** MBE, MA, BSc, C Eng, MIERE.

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Preface

When you come into contact with digital ICs (integrated circuits) – whether as hobbyist, student, circuit engineer, buyer, teacher, serviceman, electronics enthusiast, or even humble reader – you often have a need for data information on a specific IC, particularly now that they are so widely used in harness with microprocessors.

Specifications apart, you may be interested in where you can get the device in question. Perhaps even more important, particularly with obsolete or hard-to-find-a-source devices, you may be looking for guidance on a readily available second source or possible substitute.

This *Digital IC Selector* (working on the same basis as the *Transistor, Fet, Opamp Linear-IC,* and *Microprocessor* Selectors already compiled by the author) is designed to provide, in one handy reference volume, a comprehensive body of readily accessible, user-slanted, essential information across the field of digital ICs.

Digital ICs first became commercially available in the early 1960s, and by the 1970s had largely replaced discrete transistors and diodes in many circuit applications, particularly in the digital switching field. Readily available, multisourced, industry-standard types now dominate the market for digital ICs, and demand for these has been vastly increased of recent years by their use as support elements in the microprocessor field.

If you are a newcomer to digital ICs, this selector includes, in front of the data tables, a full introductory guidance note on these devices, with a synoptic survey of commercial units.

In the data tables there are, set out on separate single lines, descriptions and control specifications of the digital ICs. These are arranged in aphanumerical order by device type number.

In many cases, a digital IC may be available with a common specification from different manufacturers (multisourced) under different type numbers. To keep the book to a handy size for easy reference, one line is used in the main tabulation for a particular specification of common-denominator device, and same-specification devices from other manufacturers are covered by group cross-reference entry lines elsewhere in the tables.

For each detailed type the table provides a description together with information on: IC logic type, its applications use, package, DC supply requirement, temperature rating, power supply drain, speed, pinout connections, manufacturer, and, finally, a direct plug-in equivalent or substitute.

International in scope, this Digital IC Selector covers ICs from the USA, the UK, Continental Europe, Eastern Europe and Japan.

Of the devices covered, some 10,000 of the data table entries set out directly the detailed specifications of a single device. The remaining 3,000 entry lines provide sufficient cross-reference information to provide (albeit indirectly) detailed information on an estimated 40,000 further devices. By this method, the work provides essential specifications for an estimated overall total of 50,000 individual ICs, both current and obsolete.

The tables are supported by separate appendices giving reference information on: (a) *IC logic types and codings for tables,* (b) *IC applications use and codings,* (c) *Package outlines and codings,* (d) *Pinout connection diagrams,* (e) *Manufacturers and codings,* (f) *Manufacturers' proprietary house codings,* (g) *Abbreviations and terminology glossary.* The codings given in the various appendices are used in the body of the data tables.

Every reasonable care has been taken to ensure accuracy of information in the tables and supporting appendices, but no responsibility can be accepted for inaccuracies that may have arisen. If you require fuller technical information on current devices beyond what has been possible to pack into the confines of this book, then you should consult the data issued by the manufacturer (indicated by a coding in the data table).

Contents

An Introduction to the Digital IC

During the 1950s the transistor largely superseded the vacuum tube as the amplifying or active switching element in electronic circuits.

In the early 1960s, the IC (integrated circuit) was developed. This comprised a number of transistors internally interconnected within a small chip of silicon (microchip) and enclosed in a protective package with multiple lead-out connections. It enabled semiconductor companies to provide a commercial range of low-cost, industry-standard switching ('digital') and linear ('analog') ICs.

By the end of the 1960s, ICs had taken over most of the work in electronic circuitry previously done by 'discrete' (individual, separate) transistors. The takeover by ICs started first in the digital switching field, where a relatively few standard circuits ('gates') were required, repetitively, in large numbers.

At first both 'hybrid' and 'monolithic' ICs were developed. In the hybrids, some of the components were specially fabricated and interconnected by printing or plating techniques on an insulating baseplate or 'substrate'. In monolithic ICs, active elements (transistors, diodes, etc.) and passive elements (resistors, capacitors, etc.) are fabricated completely within a small semiconductor, usually silicon, chip before the final encapsulation of the chip in its closed package.

By the beginning of the 1970s, few hybrid digital ICs remained commercially available, and for practical purposes it can be taken that nowadays by 'digital IC' we generally mean the monolithic version.

The IC concept began in 1959 when Kilby, of Texas Instruments, demonstrated an IC multivibrator containing the equivalent of 8 resistors, 2 capacitors and 2 transistors. This first generation of digital ICs used the 'mesa' transistor construction method, which was not suited to large scale, high yield, low cost production.

With the arrival of the 'planar' method of transistor fabrication in 1962, commercial IC production became a practicable proposition, and various different logic types soon appeared. By 1963 some 20 manufacturers were in the market supplying one or another of a number of different 'families' of digital ICs. The best known of these were: RTL (Resistor-Transistor-Logic), CTL (Complementary-Transistor-Logic), DTL (Diode-Transistor-Logic), RCTL (Resistor-Capacitor-Transistor-Logic), CML (Current-Mode-Logic), and ECL (Emitter-Coupled-Logic, a variant of CML).

The next significant development was that of TTL (Transistor-Transistor-Logic) by Fairchild Semiconductors in 1962/63. This IC series used a multiemitter transistor as a more efficient substitute for the separate input diodes used in DTL. By the late 1960s, TTL had virtually superseded the other types described above, except for CML and ECL types which it could not match for switching speed.

Earlier DTL ICs had required both +ve and −ve power supply rails, but in the mid 1960s, a new lease of life was given to DTL by the '930' series, which used only a single +5V supply like TTL. Much circuitry has been developed around 930 DTL, particularly making use of its 'wired-OR' capability (which is not available in the ubiquitous TTL). In particular, one form of DTL, the HNL or HNIL (High-Noise-Immunity-Logic), designed to work on a single 12/15V rail and suitable for high-noise industrial environments was developed and still sells to this day.

Nowadays, logic ICs fall into two main categories, 'bipolar' and 'MOS'. The biopolar families are built round 'ordinary' npn and pnp transistors, while the MOS (also known as 'unipolar') ICs are built round MOS FET transistors. The ICs discussed so far in this note were all bipolar.

By 1966, after a false start in 1964, MOS digital ICs became commercially available, initially as PMOS (P-channel MOS) and NMOS (N-channel MOS). By 1970, CMOS (Complementary MOS), which used both P- and N-channel devices on the one chip, had come onto the market and rapidly became the commonest MOS digital IC type.

Digital ICs can be either saturated or unsaturated logic. In saturated logic, transistors are overdriven when switched on (i.e. 'saturated') and are relatively slow in switching off. For higher switching speeds, the transistor must be prevented from saturating, which results in 'unsaturated' logic. This can be achieved by using standard bipolar transistors in a circuit where they cannot saturate, as in CML and ECL, or by using a transistor type that cannot saturate in itself. This last device is the 'Schottky' transistor with a special type of Schottky diode connected between collector and base. It was developed around 1970 and gave rise to a new type of logic, STL (Schottky-Transistor-Logic) with much higher switching speeds than the saturated TTL and DTL ICs from which it was developed.

The wide range of logic types now (and formerly) available commercially can be seen in the list at *Appendix A*.

Digital IC packages are of two basic types: 'hermetic' (metal or ceramic and glass) and 'non-hermetic' (plastic). Plastic packages are normally cheaper than hermetic, but are still not regarded as satisfactory in extremes of temperature and humidity.

Depending on the packaging, three grades of ICs are recognised generally: (a) *Consumer or Entertainment*, suitable for use in general from 0°C to +70°C ambient temperature and low-humidity environments; (b) *Industrial*, suitable for use from −20°C to +100°C and in medium humidity; (c) *Military or High Reliability* for −55°C to +125°C and high humidity.

Most digital IC packages are designed for through-hole mounting on a printed circuit board. The commonest package is the 'dual in-line', usually abbreviated to DIL (but sometimes to DIP for the plastic version). The general shape of the DIL can be seen in *Appendix C*. Variants of this package have an even number of leads from 6 to 40 or more. It uses a standard inter-lead spacing of 2·54mm (0·1in.) in each row of leads. The inter-row lead spacing is 0·3in. for up to around 20/22 leads, and commonly 0·6in. for a greater number of leads. Less commonly digital ICs are available in the other packages illustrated in *Appendix C*, such as the FLP (flat pack) or TO5 (metal can).

The internal complexity of digital ICs has grown from 3 transistors and one resistor in 1960, through about 40 components by 1964, to some 10,000 by the early 1970s and some 100,000 by the early 1980s.

Often it will be found that manufacturers set out information on their digital ICs in groups of devices as follows: SSI (Small-Scale-Integration) with less than 10 gate circuits, MSI (Medium-Scale-Integration) with 10 to 100 gates, LSI (Large-Scale-Integration) with 100 to 1000 gates and VLSI with more than 1,000 gates.

By the 1980's, the market for digital ICs had settled down to a fairly static situation, with something like 65% being TTL (and its derivatives), 20% CMOS, 10% ECL, 5% DTL and HNIL. Most other logic types have become obsolete, except for NMOS which features largely in microprocessor circuits.

The term 'TTL' is often taken to cover all variants of the basic TTL, which include HTL (High-Speed-TTL), LTL (Low-Power-TTL), STL (Schottky-TTL), LST (Low-Power Schottky-TTL), ALS (Advanced-Low-Power Schottky-TTL), AST (Advanced Schottky-TTL), SST (Super Schottky-TTL) and FST (Fast Schottky-TTL). Some people even include CMOS versions of TTL circuits under the umbrella title 'TTL'.

As indicated earlier, a number of different semiconductor device fabrication methods are used in the production of commercial digital ICs. The main differences from the user point of view between the different fabrication technologies used lie in (a) switching speed, (b) number of separate DC power supply rails, (c) power consumption, (d) digital signal voltage levels (particularly where different logic types are mixed in one circuit), and (e) cost.

In practice the average digital IC user need not concern himself unduly with which technology has been used. He ought to be able to distinguish between 'bipolar' (where the transistors inside the chip are conventional bipolar transistors) and 'MOS' (where field-effect unipolar MOSFET transistors are used in the chip). Bipolar chips have the advantage, generally, of using a single standard +5V DC supply, as used in the universal-standard TTL type. MOS ICs are generally slower switching than bipolar, and sometimes require more than one DC supply rail, although the tendency with modern MOS (and particularly CMOS) is to use one DC rail. NMOS is generally faster than PMOS, and CMOS tends to be slower than both the other two. CMOS, however, has one big advantage that has made it a universal standard widely used; its standby current requirement is very low, a factor that makes CMOS specially useful where battery operation is one of the design requirements.

Nowadays there are more than 50 major manufacturers of digital ICs, although some of these may be "second-sourcing" only, i.e. manufacturing standard designs of other makers. A list of manufacturers will be found in *Appendix E*.

Apart from the USA MIL SPEC M38510 series, the British Standards Institution BS9000 series and the Continental Proelectron standard numbering system, there is no industry-standard system of type numbering for digital ICs. Each manufacturer uses his own 'in-house' proprietary code numbering, usually distinguished by a prefix peculiar to him. House code prefixes in common use will be found in the list at *Appendix F*.

Some logic families of digital ICs have become industry-standards. The most common of these is the '74' series TTL. The original Texas Instruments housecode series for this was SN7400, SN7401, SN7402, etc. for the 70°C industrial version. This was soon shortened in popular use to the '7400' series and thereafter to the '74' series. A little confusion sometimes arises because the 125°C military version of the 74 series was the SN5400, SN5401, SN5402, etc., shortened in use to '5400' and '54' series. As a result, the basic TTL series may also be found referred to as the 54/74 series, and has been manufactured by many other companies with the SN prefix replaced by their own company prefixes, e.g. National Semiconductor produced the DM7400 series.

To add to the confusion of numbers, when the basic TTL fabrication was varied the change was incorporated

in the numbering system by letter in the middle after the initial 74 to give for example, the SN74H00, SN74L00, SN74S00, SN74LS00, SN74ALS00, and SN74AS00. In all these the basic 74 series TTL from which they were developed can be recognised. The subsidiary series numbers are frequently abbreviated to 74H, 74L, 74S, etc.

Alongside the 74 series TTL and all its variants, 4 other industry-standard types, made by more than one manufacturer, are now readily commercially available. These are: (1) *4000 CMOS series*, initially produced by RCA as the CD4000 series, but now produced by other manufacturers, as for example in the MC14000 series of Motorola. (Supporting this we find the TTL substitute CMOS MM74C00 series by National Semiconductor, which is now usually referred to simply as the 74C series.) (2) *10,000 ECL series*, initially produced by Motorola as the MC10,000 series, and produced later by other manufacturers under the same basic code number, as, for example, in Plessey's SP10,000 or Fairchilds F10,100 series. The 10,000 series is often referred to as the '10K' series, with K indicating thousands. (3) *930 DTL series*, produced as Motorola's MC930 series and Fairchild's prefixless 930 series. (4) *660 HNIL series*, appearing as the Motorola MC660 series.

Much of the circuitry using digital ICs has been developed and recorded in the literature from the mid 1960s through the mid 1970s. To cover the field properly it is necessary to know the characteristics, data, etc., not only of currently commercially available types, but also of obsolescent and obsolete types which became industry standards through wide use before being superseded by later types.

In the case of a current type, it is extremely useful to know its data, leadouts, etc., and, with so many semiconductor companies dropping production of some items, possible second sources.

In the case of an obsolete type the essential data are useful, but often, even more useful, is the indication of a possible alternative or substitute from a current IC series.

If only a few digital ICs are required, these can be bought through one of the retail distributor outlets which can be found widely advertised in the electronic journals sold on newsstands and through newsagents. If a dealer stocking the IC cannot be found, then information on sourcing may be obtained from the manufacturer (indicated in a separate column of the data tables of this Selector). In the dealer advertisements, the ICs are usually referred to by their 'generic' number, i.e. the number with the maker's house code prefix removed. In the body of the data tables in this work entries have been included for the generic numbers of the more common multisourced devices as a help to someone procuring his ICs from the dealers.

Tabulations

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
1LB311	TTL	-	HOUSE CODE FOR SN74H20N	DIL--C	-	70C	-	-	-	SSR	SN74H20N
1LB312	TTL	-	HOUSE CODE FOR SN74H30N	DIL--P	-	70C	-	-	-	SSR	SN74H30N
1LB314	TTL	-	HOUSE CODE FOR SN74H10N	DIL--P	-	70C	-	-	-	SSR	SN74H10N
1LB316	TTL	-	HOUSE CODE FOR SN74H20N	DIL--P	-	70C	-	-	-	SSR	SN74H20N
1LB551	TTL	-	HOUSE CODE FOR SN7420N	DIL--P	-	70C	-	-	-	SSR	SN7420N
1LB552	TTL	-	HOUSE CODE FOR SN7430N	DIL--P	-	70C	-	-	-	SSR	SN7430N
1LB553	TTL	-	HOUSE CODE FOR SN7400N	DIL--P	-	70C	-	-	-	SSR	SN7400N
1LB554	TTL	-	HOUSE CODE FOR SN7410N	DIL--P	-	70C	-	-	-	SSR	SN7410N
1LB556	TTL	-	HOUSE CODE FOR SN7440N	DIL--P	-	70C	-	-	-	SSR	SN7440N
1LB558	TTL	-	HOUSE CODE FOR SN7403N	DIL--P	-	70C	-	-	-	SSR	SN7403N
1LP551	TTL	-	HOUSE CODE FOR SN7460N	DIL--P	-	70C	-	-	-	SSR	SN7460N
1LR551	TTL	-	HOUSE CODE FOR SN7450N	DIL--P	-	70C	-	-	-	SSR	SN7450N
1LR553	TTL	-	HOUSE CODE FOR SN7453N	DIL--P	-	70C	-	-	-	SSR	SN7453N
1TK551	TTL	-	HOUSE CODE FOR SN7472N	DIL--P	-	70C	-	-	-	SSR	SN7472N
1TK552	TTL	-	HOUSE CODE FOR SN7474N	DIL--P	-	70C	-	-	-	SSR	SN7474N
1TR551	TTL	-	HOUSE CODE FOR SN7495N	DIL--P	-	70C	-	-	-	SSR	SN7495N
2F000D SERIES	TTL	-	6V VERSION OF 6F000D SUHL SER	DIL14C	+6V	125	-	-	-	WST	-
2F000G SERIES	TTL	-	6V VERSION OF 6F000G SUHL SER.	FLP14	+6V	125	-	-	-	WST	-
2F000K SERIES	TTL	-	6V VERSION OF 6F000K SUHL SER	DIL14P	+6V	125	-	-	-	WST	-
6F00D SERIES	TTL	-	HOUSE CODE FOR SF00-2 SUHL SER	DIL14C	-	-	-	-	-	WST	SF00-2 SERIES
6F00G SERIES	TTL	-	HOUSE CODE FOR SF00-1 SUHL SER	FLP14	+5V	-	-	-	-	WST	SF00-1 SERIES
6F00K SERIES	TTL	-	PLASTIC DIL VERSN OF SF00-2 SR	DIL14P	+5V	-	-	-	-	WST	SF00-2 SERIES
6G00D SERIES	TTL	-	HOUSE CODE FOR SG00-2 SUHL SER	DIL14C	-	-	-	-	-	WST	SG00-2 SERIES
6G00G SERIES	TTL	-	HOUSE CODE FOR SG00-1 SUHL SER	FLP14	-	-	-	-	-	WST	SG00-1 SERIES
6G00K SERIES	TTL	-	PLASTIC VRSN OF SG00-2 SUHL SR	DIL14P	-	-	-	-	-	WST	SG00-2 SERIES
6G000D SERIES	TTL	-	HOUSE CODE FOR SG000-2 SUHL SR	DIL14C	-	-	-	-	-	WST	SG000-2 SER.
6G000G SERIES	TTL	-	HOUSE CODE FOR SG000-1 SUHL SR	FLP14	-	-	-	-	-	WST	SG000-1 SER.
6G000K SERIES	TTL	-	PLASTIC VRSN OF SG000-2 SUHL S	DIL14P	-	-	-	-	-	WST	SG000-2 SER.
6M00D SERIES	TTL	-	HOUSE CODE FOR SM00-2 SUHL SER	DIL14C	-	-	-	-	-	WST	SM00-2 SERIES
6M00G SERIES	TTL	-	HOUSE CODE FOR SM00-1 SUHL SER	FLP14	-	-	-	-	-	WST	SM00-1 SERIES
6M00K SERIES	TTL	-	PLASTIC VRSN OF SM00-2 SUHL SR	DIL14P	-	-	-	-	-	WST	SM00-2 SERIES
6M000D SERIES	TTL	-	HOUSE CODE FOR SM000-2 SUHL SR	DIL14C	-	-	-	-	-	WST	SM000-2 SER
6M000G SERIES	TTL	-	HOUSE CODE FOR SM000-1 SUHL SR	FLP14	-	-	-	-	-	WST	SM000-1 SER
6M000K SERIES	TTL	-	PLASTIC VRSN OF SM000-2 SUHL S	DIL14P	-	-	-	-	-	WST	SM000-2 SER
8H00 SERIES	TTL	VAR	GENERIC NOS FOR N/S8H00 SERIES	-	+5V	VAR	-	-	-	SIG	8H00 SERIES
	SUF	FIX	A=DIP, F=DIC, J,W,Q =FLP		PREFI	X.	N=75C	S=125C			
8H16	TTL	NAN	NAND, 4 IP, DUAL	14LEAD	+5V	VAR	-	-	N007	SIG	54/74H20
8H20	TTL	FFJ	FF/JK, DUAL	14LEAD	+5V	VAR	-	-	-	SIG	-
8H21	TTL	FFJ	FF/JK, DUAL	14LEAD	+5V	VAR	-	-	-	SIG	-
8H22	TTL	FFJ	FF/JK, DUAL	14LEAD	+5V	VAR	-	-	-	SIG	-
8H70	TTL	NAN	NAND, 3IP, TRIPLE	14LEAD	+5V	VAR	-	-	N004	SIG	54/74H10
8H80	TTL	NAN	NAND, 2 IP, QUAD	14LEAD	+5V	VAR	-	-	N001	SIG	54/74H00
8T SERIES	TTL	VAR	ADVERT. JARGON FOR 8T00 SERIES	-	+5V	-	-	-	-	VAR	8T00 SERIES
8T00 SERIES	TTL	VAR	GENERIC TITLE FOR N/S8T00 SER	-	+5V	VAR	-	-	-	VAR	8T00 SERIES
		1ST	SUFFIX: B,N=DIP, F=DIC, W=FLP	PREFIX	N=75C	S=	125C				
8T01	TTL	DSP	DECODER/DRVR, NUM INDICTR TUBE	16LEAD	+5V	VAR	-	-	Z999	SIG	-
8T04	TTL	DSP	DISPLAY DRVR, 7SGT,ACTIV LO OP	16LEAD	+5V	VAR	-	-	Z999	SIG	-
8T05	TTL	DSP	DISPLAY DRVR, 7SGT,ACTIV HI OP	16LEAD	+5V	VAR	-	-	Z999	SIG	-
8T06	TTL	DSP	DISPLAY DRVR, 7SGT,ACTIV LO OP	16LEAD	+5V	VAR	-	-	Z999	SIG	-
8T09	TTL	LND	BUS DRIVER, 3S, QUAD	14LEAD	+5V	VAR	-	-	Z999	SIG	-
8T10	TTL	LND	BUS DRIVER, LATCH,3S OP, QUAD	16LEAD	+5V	VAR	-	-	F053	SIG	DM7551
8T13	TTL	LND	LINE DRIVER, DUAL	16LEAD	+5V	VAR	-	-	Z999	SIG	75121
8T14	TTL	RCV	LINE RECEIVER, SCHMITT, TRIPLE	16LEAD	+5V	VAR	-	-	Z999	SIG	55/75122
8T15	TTL	LND	LINE DRVR, COMMS,EIA/MIL, DUAL	14LEAD	+5V	VAR	-	-	Z999	SIG	-
8T16	TTL	RCV	LINE RCVR, COMMS,EIA/MIL, DUAL	14LEAD	+5V	VAR	-	-	Z999	SIG	-
8T18	TTL	NAN	NAND, 2 IP, DUAL	14LEAD	+5V	VAR	-	-	Z999	SIG	-
8T20	TTL	MON	MONOSTABLE, BIDIR. DIFF. IP	16LEAD	+5V	VAR	-	-	Z999	SIG	-
8T22	TTL	MON	MONOSTABLE RETRIGGERABLE	14LEAD	+5V	VAR	-	-	U005	SIG	9601/74122
8T23	TTL	LND	LINE DRIVER, IBM360, TRIPLE	16LEAD	+5V	VAR	-	-	Z999	SIG	75123
8T24	TTL	LND	LINE RECEIVER, IBM360, TRIPLE	16LEAD	+5V	VAR	-	-	Z999	SIG	75124
8T25	TTL	XXX	SENSE AMP, MOS,LATCH, 3S, DUAL	8 LEAD	+5V	VAR	-	-	Z999	SIG	-
8T26	TTL	LND	BUS DRVR/RCVR, 3S,INV, QUAD	16LEAD	+5V	VAR	-	-	Z999	SIG	8820
8T28	TTL	LND	BUS DRVR/RCVR, NON-INV 3S,QUAD	16LEAD	+5V	VAR	-	-	Z999	SIG	-
8T30	TTL	TRX	TRANSCEIVER, TTL TO MOS, DUAL	14LEAD	+5V	VAR	-	-	Z999	SIG	-
8T31	TTL	XXX	I/O PORT, BIDIRECTIONAL, 8 BIT	24LEAD	+5V	VAR	-	-	Z999	SIG	-
8T32	TTL	XXX	I/FACE VECTOR, BYTE, SYNC, 3S	24LEAD	+5V	VAR	-	-	Z999	SIG	-
8T33	TTL	XXX	I/FACE VECTOR, BYTE, SYNC, 3S	24LEAD	+5V	VAR	-	-	Z999	SIG	-
8T34	TTL	TRX	TRANSCEIVER, BUS, QUAD	16LEAD	+5V	VAR	-	-	T004	SIG	DS7834
8T37	TTL	RCV	RECEIVER, BUS, SCHMITT, HEX	16LEAD	+5V	VAR	-	-	Z999	SIG	DS7837
8T38	TTL	TRX	TRANSCEIVER, BUS, OC, QUAD	16LEAD	+5V	VAR	-	-	T004	SIG	DS7838
8T70	TTL	NAN	NAND, 8 IP	14LEAD	+5V	VAR	-	-	N010	SIG	54/74H30
8T80	TTL	NAN	NAND, 2IP, HI VOLT, QUAD	14LEAD	+5V	VAR	-	-	N018	SIG	-
8T90	TTL	INV	INVERTER, HI VOLT, HEX	14LEAD	+5V	VAR	-	-	I001	SIG	54/74H04
8T93	STL	INV	INVERTER, HI SPEED, OC, HEX	14LEAD	+5V	VAR	-	-	I001	SIG	-
8T94	TTL	INV	INVERTER, HI SPEED, OC, HEX	14LEAD	+5V	VAR	-	-	I001	SIG	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
8T96	TTL	INV	INVERTER, BUFFER, HEX	16LEAD	+5V	VAR	-	-	B008	SIG	54/74366
8T95	STL	INV	BUFFER, NON INV , HEX	16LEAD	+5V	VAR	-	-	B024	SIG	DM7095
8T97	TTL	INV	BUFFER, NON INV , HEX	16LEAD	+5V	VAR	-	-	I016	SIG	DM7097
8T98	TTL	INV	INVERTER, BUFFER, HEX	16LEAD	+5V	VAR	-	-	I017	SIG	DM7098
8T363	TTL	XXX	DETECTOR, ZERO-CROSSING, DUAL	14LEAD	+5V	VAR	-	-	Z999	SIG	-
8T380	TTL	RCV	RECEIVER, BUS, HYSTERESIS,QUAD	14LEAD	+5V	VAR	-	-	Z999	SIG	-
9H00DC SERIES	HTL	-	HOUSE CODES FOR SN74H00J SER.	DIL--C	-	70C	-	-	-	FAS	SN74H00J SER.
9H00DM SERIES	HTL	-	HOUSE CODES FOR SN54H00J SER.	DIL--C	-	125	-	-	-	FAS	SN54H00J SER.
9H00PC SERIES	HTL	-	HOUSE CODES FOR SN74H00N SER.	DIL--N	-	70C	-	-	-	FAS	SN74H00N SER.
9L00DC SERIES	LTL	-	HOUSE CODES FOR SN74L00J SER.	DIL--J	-	70C	-	-	-	FAS	SN74L00J SER.
9L00DM SERIES	LTL	-	HOUSE CODES FOR SN54L00J SER.	DIL--C	-	125	-	-	-	FAS	SN54L00J SER.
9L00PC SERIES	LTL	-	HOUSE CODES FOR SN74L00N SER.	DIL--P	-	70C	-	-	-	FAS	SN74L00N SER.
9LS00DC SER.	LST	-	HOUSE CODES FOR SN74LS00J SER.	DIL--C	-	70C	-	-	-	FAS	SN74LS00J SER
9LS00DM SER.	LST	-	HOUSE CODES FOR SN54LS00J SER.	DIL--C	-	125	-	-	-	FAS	SN54LS00J SER
9LS00FC SER.	LST	-	HOUSE CODES FOR SN74LS00W SER.	FLP---	-	70C	-	-	-	FAS	SN74LS00W SER
9LS00FM SER.	LST	-	HOUSE CODES FOR SN54LS00W SER.	FLP---	-	125	-	-	-	FAS	SN54LS00W SER
9LS00PC SER.	LST	-	HOUSE CODES FOR SN74LS00N SER.	DIL--P	-	75C	-	-	-	FAS	SN74LS00N SER
9N00DC SERIES	TTL	-	HOUSE CODES FOR SN7400J SERIES	DIL--C	-	70C	-	-	-	FAS	SN7400J SER.
9N00DM SERIES	TTL	-	HOUSE CODES FOR SN5400J SERIES	DIL--C	-	125	-	-	-	FAS	SN5400J SER.
9N00PC SERIES	TTL	-	HOUSE CODES FOR SN7400N SERIES	DIL--P	-	70C	-	-	-	FAS	SN7400N SER.
9S00DC SERIES	STL	-	HOUSE CODES FOR SN74S00J SER.	DIL--C	-	70C	-	-	-	FAS	SN74S00J SER.
9S00DM SERIES	STL	-	HOUSE CODES FOR SN54S00J SER.	DIL--C	-	125	-	-	-	FAS	SN54S00J SER.
9S00PC SERIES	STL	-	HOUSE CODES FOR SN74S00N SER	DIL--P	-	70C	-	-	-	FAS	SN74S00N SER.
10K SERIES	ECL	-	ALTERNATE TITLE OF F10,000 SER	-	-5.2V	75C	-	-	-	FAS	F10,000 SER
11C01FC	ECL	ORG	OR/NOR, 5-4 IP, DUAL	FLP16	-5.2V	75C	30MA	1.15MXNS	O008	FAS	-
11C05DC	ECL	CTR	COUNTER, DIVIDE BY 4, 1GHZ	DIL14C	-5.2V	75C	90MA	1MXGHZ	Z999	FAS	MC1699/SP8610
11C05DM	ECL	CTR	COUNTER, DIVIDE BY 4, 1GHZ	DIL14C	-5.2V	125	90MA	950MXMHZ	Z999	FAS	-
11C06DC	ECL	FFD	FLIP/FLOP, D TYPE, 750MHZ	DIL16C	-5.2V	75C	59MA	650MXMHZ	Z999	FAS	-
11C24DC	ECL	VCO	VOLTAGE CONTROLLED MULTI, DUAL	DIL14C	-5.2V	75C	37MA	-	V006	FAS	-
11C24DM	ECL	VCO	VOLTAGE CONTROLLED MULTI, DUAL	DIL14C	-5.2V	125	37MA	-	V006	FAS	-
11C44DC	ECL	XXX	PHASE FREQUENCY DETECTOR	DIL14C	-5.2V	75C	40MA	-	Z999	FAS	-
11C44DM	ECL	XXX	PHASE FREQUENCY DETECTOR	DIL14C	-5.2V	125	40MA	-	Z999	FAS	-
11C58DC	ECL	VCO	VOLTAGE CONTROLLED MULTIVIB.	DIL16C	-5.2V	75C	32MA	130MXMHZ	Z999	FAS	-
11C70DC	ECL	FFD	FLIP-FLOP, D TYPE,MASTER SLAVE	DIL16C	-5.2V	75C	48MA	1.4MXNS	Z999	FAS	-
11C70DM	ECL	FFD	FLIP-FLOP, D TYPE,MASTER SLAVE	DIL16C	-5.2V	125	48MA	1.4MXNS	Z999	FAS	-
11C83DC	ECL	CTR	PRESCALER, DIV BY 248/256,1GHZ	DIL14C	-5.2V	75C	130MA	950MXMHZ	Z999	FAS	-
11C84DC	ECL	XXX	SYNTHESISER, 40 CHAN. CB RADIO	DIL16C	-5.2V	75C	125MA	18MXMHZ	Z999	FAS	-
11C90DC	ECL	CTR	PRESCALER, 650MHZ,DIV BY 10/11	DIL16C	-5.2V	75C	119MA	650MXMHZ	Z999	FAS	-
11C90DM	ECL	CTR	PRESCALER, 650MHZ,DIV BY 10/11	DIL16C	-5.2V	125	119MA	550MXMHZ	Z999	FAS	SP8680
11C91DC	ECL	CTR	PRESCALER, 650MHZ,DIV BY 5/6	DIL16C	-5.2V	75C	119MA	650MXMHZ	Z999	FAS	-
11C91DM	ECL	CTR	PRESCALER, 650MHZ,DIV BY 5/6	DIL16C	-5.2V	125	119MA	550MXMHZ	Z999	FAS	-
54 SERIES	TTL	-	ALTERNATE NAME FOR 5400 SERIES	-	-	-	-	-	-	-	SN5400 SERIES
54ALS SERIES	ALS	-	ALTERNATE NAME FOR 54ALS00 SER	-	-	-	-	-	-	-	SN54ALS00 SER
54ALS00 SER.	ALS	-	FAMILY TITLE FOR SN54ALS00 SER	-	-	-	-	-	-	-	SN54ALS00 SER
54AS SERIES	AST	-	ALTERNATE NAME FOR 54AS00 SER.	-	-	-	-	-	-	-	SN54AS00 SER.
54AS00 SER.	AST	-	FAMILY TITLE FOR SN54AS00 SER.	-	-	-	-	-	-	-	SN54AS00 SER
54C SERIES	CMS	-	ALTERNATE NAME FOR MM54C00 SER	-	-	-	-	-	-	-	MM54C00 SER.
54C00 SER.	CMS	VAR	ABBREVIATION FOR MM54C00 SER.	-	+5V	125	-	-	-	NAT	MM54C00 SER.
54C100 SERIES	CMS	VAR	ABBREVIATION FOR MM54C100 SER.	-	+5V	125	-	-	-	NAT	MM54C100 SER.
54F SERIES	STL	-	ALTERNATE NAME FOR 54F00 SER.	-	-	-	-	-	-	FAS	54F00 SERIES
54F00 SERIES	STL	-	FAMILY TITLE FOR 54F00 SERIES	-	-	-	-	-	-	FAS	54F00 SERIES
54F00DM SER.	FST	-	FAIRCHILD "FAST" SCHOTTKY TTL	DIL--C	+5V	125	-	-	-	FAS	-
54F00FM SER.	FST	-	FAIRCHILD "FAST" SCHOTTKY TTL	FLP---	+5V	125	-	-	-	FAS	-
54F00DM	FST	NAN	NAND, 2IP, QUAD	DIL14C	+5V	125	10MA	7MXNS	N001	FAS	-
54F00FM	FST	NAN	NAND, 2IP, QUAD	FLP14	+5V	125	10MA	7MXNS	N001	FAS	-
54F02DM	FST	NOR	NOR, 2IP, QUAD	DIL14C	+5V	125	13MA	8MXNS	Q001	FAS	-
54F02FM	FST	NOR	NOR, 2IP, QUAD	FLP14	+5V	125	13MA	8MXNS	Q001	FAS	-
54F04DM	FST	INV	INVERTER, HEX	DIL14C	+5V	125	15MA	7MXNS	I001	FAS	-
54F04FM	FST	INV	INVERTER, HEX	FLP14	+5V	125	15MA	7MXNS	I001	FAS	-
54F08DM	FST	AND	AND, 2IP, QUAD	DIL14C	+5V	125	13MA	8.8MXNS	A001	FAS	-
54F08FM	FST	AND	AND, 2IP, QUAD	FLP14	+5V	125	13MA	8.8MXNS	A001	FAS	-
54F10DM	FST	AND	NAND, 3IP, TRIPLE	DIL14C	+5V	125	7.7MA	7MXNS	N004	FAS	-
54F10FM	FST	NAN	NAND, 3IP, TRIPLE	FLP14	+5V	125	7.7MA	7MXNS	N004	FAS	-
54F11DM	FST	AND	AND, 3IP, TRIPLE	DIL14C	+5V	125	9.7MA	8MXNS	A003	FAS	-
54F11FM	FST	AND	AND, 3IP, TRIPLE	FLP14	+5V	125	9.7MA	8MXNS	A003	FAS	-
54F20DM	FST	NAN	NAND, 4IP, DUAL	DIL14C	+5V	125	5.1MA	7MXNS	N008	FAS	-
54F20FM	FST	NAN	NAND, 4IP, DUAL	FLP14	+5V	125	5.1MA	7MXNS	N008	FAS	-
54F32DM	FST	ORG	OR, 2IP, QUAD	DIL14C	+5V	125	16MA	8MXNS	O001	FAS	-
54F32FM	FST	ORG	OR, 2IP, QUAD	FLP14	+5V	125	16MA	8MXNS	O001	FAS	-
54F64DM	FST	AOI	AOI, 4-2-3-2IP, EXPANDABLE	DIL14C	+5V	125	4.7MA	8MXNS	Y020	FAS	-
54F64FM	FST	AOI	AOI, 4-2-3-2IP, EXPANDABLE	FLP14	+5V	125	4.7MA	8MXNS	Y020	FAS	-
54F74DM	FST	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	DIL14C	+5V	125	16MA	100MXMHZ	F008	FAS	-
54F74FM	FST	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	FLP14	+5V	125	16MA	100MXMHZ	F008	FAS	-
54F86DM	FST	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14C	+5V	125	-	-	X001	FAS	-
54F86FM	FST	XOR	EXCLUSIVE OR, 2IP, QUAD	FLP14	+5V	125	-	-	X001	FAS	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
54F109DM	FST	FFJ	FF/J(-K), +ET,SEP S/R/CK, DUAL	DIL16C	+5V	125	20MA	125MXMHZ	F021	FAS	-
54F109FM	FST	FFJ	FF/J(-K), +ET,SEP S/R/CK, DUAL	FLP16	+5V	125	20MA	125MXMHZ	F021	FAS	-
54F112DM	FST	FFJ	FF/JK, NEG ET,SEP S/R/CK, DUAL	DIL16C	+5V	125	20MA	125TPMHZ	F022	FAS	-
54F112FM	FST	FFJ	FF/JK, NEG ET,SEP S/R/CK, DUAL	FLP16	+5V	125	20MA	125TPMHZ	F022	FAS	-
54F138DM	FST	DCD	DECODER/DEMUX,3-8 LN, NO LATCH	DIL16C	+5V	125	36MA	9TPNS	D006	FAS	-
54F138FM	FST	DCD	DECODER/DEMUX,3-8 LN, NO LATCH	FLP16	+5V	125	36MA	9TPNS	D006	FAS	-
54F139DM	FST	DCD	DEC DER/DEMUX,2-4 LINE, DUAL	DIL16C	+5V	125	36MA	9TPNS	D007	FAS	-
54F139FM	FST	DCD	DEC( )ER/DEMUX,2-4 LINE, DUAL	FLP16	+5V	125	36MA	9TPNS	D007	FAS	-
54F151DM	FST	MUX	MUX/DATA SELECTOR, 8-TO-1 LINE	DIL16C	+5V	125	22MA	8TPNS	M002	FAS	-
54F151FM	FST	MUX	MUX/DATA SELECTOR, 8-TO-1 LINE	FLP16	+5V	125	22MA	8TPNS	M002	FAS	-
54F153DM	FST	MUX	MUX/DATA SELECTOR,4-1 LIN,DUAL	DIL24C	+5V	125	20MA	13MXNS	D009	FAS	-
54F153FM	FST	MUX	MUX/DATA SELECTOR,4-1 LIN,DUAL	FLP24	+5V	125	20MA	13MXNS	D009	FAS	-
54F157DM	FST	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	DIL16C	+5V	125	23MA	13MXNS	M005	FAS	-
54F157FM	FST	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	FLP16	+5V	125	23MA	13MXNS	M005	FAS	-
54F158DM	FST	MUX	MUX/DATA SELECTOR,INV OP 54157	DIL16C	+5V	125	20MA	6.3TPNS	M006	FAS	-
54F158FM	FST	MUX	MUX/DATA SELECTOR,INV OP 54157	FLP16	+5V	125	20MA	6.3TPNS	M006	FAS	-
54F160DM	FST	CTR	COUNTER,DEC,4 BIT, SYNC,DRCT R	DIL16C	+5V	125	70MA	100MXMHZ	C004	FAS	-
54F160FM	FST	CTR	COUNTER,DEC,4 BIT, SYNC,DRCT R	FLP16	+5V	125	70MA	100MXMHZ	C004	FAS	-
54F161DM	FST	CTR	COUNTER, BIN,4 BIT,SYNC,DRCT R	DIL16C	+5V	125	70MA	100MXMHZ	C004	FAS	-
54F161FM	FST	CTR	COUNTER, BIN,4 BIT,SYNC,DRCT R	FLP16	+5V	125	70MA	100MXMHZ	C004	FAS	-
54F162DM	FST	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	DIL16C	+5V	125	70MA	100MXMHZ	C005	FAS	-
54F162FM	FST	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	FLP16	+5V	125	70MA	100MXMHZ	C005	FAS	-
54F163DM	FST	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	DIL16C	+5V	125	70MA	100MXMHZ	C005	FAS	-
54F163FM	FST	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	FLP16	+5V	125	70MA	100MXMHZ	C005	FAS	-
54F168DM	FST	CTR	COUNTER,4 BT,DEC,UP/DOWN, SYNC	DIL16C	+5V	125	75MA	100TPMHZ	C006	FAS	-
54F168FM	FST	CTR	COUNTER,4 BT,DEC,UP/DOWN, SYNC	FLP16	+5V	125	75MA	100TPMHZ	C006	FAS	-
54F169DM	FST	CTR	COUNTER,UP/DOWN,4 BIT BIN,SYNC	DIL16C	+5V	125	75MA	100TPMHZ	C006	FAS	-
54F169FM	FST	CTR	COUNTER,UP/DOWN,4 BIT BIN,SYNC	FLP16	+5V	125	75MA	100TPMHZ	C006	FAS	-
54F175DM	FST	FFD	FF/D, ET,COM R/CK,COMP OP,QUAD	DIL16C	+5V	125	40MA	110MXMHZ	F026	FAS	-
54F175FM	FST	FFD	FF/D, ET,COM R/CK,COMP OP,QUAD	FLP16	+5V	125	40MA	110MXMHZ	F026	FAS	-
54F181DM	FST	ARI	ALU/FUNCTION-GENERATOR,4 BIT	DIL24C	+5V	125	60MA	12MXNS	Z010	FAS	-
54F181FM	FST	ARI	ALU/FUNCTION-GENERATOR,4 BIT	FLP24	+5V	125	60MA	12MXNS	Z010	FAS	-
54F182DM	FST	LAC	LOOK AHEAD CARRY GENERATOR,4BT	DIL16C	+5V	125	38MA	5TPNS	Z018	FAS	-
54F182FM	FST	LAC	LOOK AHEAD CARRY GENERATOR,4BT	FLP16	+5V	125	38MA	5TPNS	Z018	FAS	-
54F189DM	FST	MEM	RAM, 64=16X4 BIT, 3S INV OP	DIL16C	+5V	125	86MA	20TPNS	S001	FAS	-
54F189FM	FST	MEM	RAM, 64=16X4 BIT, 3S INV OP	FLP16	+5V	125	86MA	20TPNS	S001	FAS	-
54F190DM	FST	CTR	COUNTER,DEC,UP/DWN,SYNC,PRESET	DIL16C	+5V	125	76MA	90MXMHZ	C008	FAS	-
54F190FM	FST	CTR	COUNTER,DEC,UP/DWN,SYNC,PRESET	FLP16	+5V	125	76MA	90MXMHZ	C008	FST	-
54F191DM	FST	CTR	COUNTER, 4 BT HEX, UP/DWN,SYNC	DIL16C	+5V	125	55MA	90MXMHZ	C008	FAS	-
54F191FM	FST	CTR	COUNTER, 4 BT HEX, UP/DWN,SYNC	FLP16	+5V	125	55MA	90MXMHZ	C008	FAS	-
54F192DM	FST	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	DIL16C	+5V	125	70MA	90MXMHZ	C009	FAS	-
54F192FM	FST	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	FLP16	+5V	125	70MA	90MXMHZ	C009	FAS	-
54F193DM	FST	CTR	COUNTER,HEX,UP/DWN,SYNC,2CK,3S	DIL16C	+5V	125	70MA	90MXMHZ	C009	FAS	-
54F193FM	FST	CTR	COUNTER,HEX,UP/DWN,SYNC,2CK,3S	FLP16	+5V	125	70MA	90MXMHZ	C009	FAS	-
54F194DM	FST	SRG	SHIFT REGISTER,4 BIT,L/R, PIPO	DIL16C	+5V	125	46MA	105MXMHZ	R013	FAS	-
54F194FM	FST	SRG	SHIFT REGISTER,4 BIT,L/R, PIPO	FLP16	+5V	125	46MA	105MXMHZ	R013	FAS	-
54F240DM	FST	LND	LINE DRIVER,3S,INV,LO EN,OCTAL	DIL20C	+5V	125	128MA	10TPNS	B004	FAS	-
54F240FM	FST	LND	LINE DRIVER,3S,INV,LO EN,OCTAL	FLP20	+5V	125	128MA	10TPNS	B004	FAS	-
54F241DM	FST	LND	LINE DRIVER,3S,DIR,LO EN,OCTAL	DIL20C	+5V	125	142MA	10TPNS	B005	FAS	-
54F241FM	FST	LND	LINE DRIVER,3S,DIR,LO EN,OCTAL	FLP20	+5V	125	142MA	10TPNS	B005	FAS	-
54F242DM	FST	TRX	TRANSCVR,BUS,BIDIR,INV,3S,QUAD	DIL146	+5V	125	142MA	10MXNS	T001	FAS	-
54F242FM	FST	TRX	TRANSCVR,BUS,BIDIR,INV,3S,QUAD	FLP14	+5V	125	142MA	10MXNS	T001	FAS	-
54F243DM	FST	TRX	TRANSCEIVER,BUS,NONINV,3S,QUAD	DIL146	+5V	125	142MA	10MXNS	T002	FAS	-
54F243FM	FST	TRX	TRANSCEIVER,BUS,NONINV,3S,QUAD	FLP14	+5V	125	142MA	10MXNS	T002	FAS	-
54F244DM	FST	LND	LINE DRIVER,3S OP,LO EN, OCTAL	DIL20C	+5V	125	142MA	10TPNS	B006	FAS	-
54F244FM	FST	LND	LINE DRIVER,3S OP,LO EN, OCTAL	FLP20	+5V	125	142MA	10TPNS	B006	FAS	-
54F245DM	FST	TRX	TRANSCVR,BUS,NON INV 3S, OCTAL	DIL20C	+5V	125	200MA	6TPNS	T003	FAS	-
54F245FM	FST	TRX	TRANSCVR,BUS,NON INV 3S, OCTAL	FLP20	+5V	125	200MA	6TPNS	T003	FAS	-
54F251DM	FST	SEL	MUX/DATA SELECTOR,8-1 LINE, 3S	DIL16C	+5V	125	20MA	16TPNS	M007	FAS	-
54F251FM	FST	SEL	MUX/DATA SELECTOR,8-1 LINE, 3S	FLP16	+5V	125	20MA	16TPNS	M007	FAS	-
54F253DM	FST	SEL	MUX/DATA SELECTR,4-ILN,3S,DUAL	DIL16C	+5V	125	25MA	8MXNS	M008	FAS	-
54F253FM	FST	SEL	MUX/DATA SELECTR,4-ILN,3S,DUAL	FLP16	+5V	125	25MA	8MXNS	M008	FAS	-
54F257DM	FST	SEL	MUX/DATA SELECTR,2-ILN,3S,QUAD	DIL16C	+5V	125	23MA	9MXNS	M009	FAS	-
54F257FM	FST	SEL	MUX/DATA SELECTR,2-ILN,3S,QUAD	FLP16	+5V	125	23MA	9MXNS	M009	FAS	-
54F258DM	FST	SEL	MUX/DATA SELECTR,INV-OP-54257	DIL16C	+5V	125	30MA	6.3MXNS	M010	FAS	-
54F258FM	FST	SEL	MUX/DATA SELECTR,INV-OP-54257	FLP16	+5V	125	30MA	6.3MXNS	M010	FAS	-
54F280DM	FST	PAR	PARITY GENERATOR/CHECKER,9 BIT	DIL14C	+5V	125	50MA	25MXNS	Z012	FAS	-
54F280FM	FST	PAR	PARITY GENERATOR/CHECKER,9 BIT	FLP14	+5V	125	50MA	25MXNS	Z012	FAS	-
54F283DM	FST	ADD	ADDER,FULL,4 BT,BIN,FAST CARRY	DIL16C	+5V	125	60MA	17MXNS	Z013	FAS	-
54F283FM	FST	ADD	ADDER,FULL,4 BT,BIN,FAST CARRY	FLP16	+5V	125	60MA	17MXNS	Z013	FAS	-
54F289DM	FST	MEM	RAM, 64=16X4 BIT,OC INV OP	DIL16C	+5V	125	86MA	20TPNS	S001	FAS	-
54F289FM	FST	MEM	RAM, 64=16X4 BIT,OC INV OP	FLP16	+5V	125	86MA	20TPNS	S001	FAS	-
54F299DM	FST	SRG	SHIFT REG,8 BIT,L/R SH,3S,PIPO	DIL20C	+5V	125	-	150TPMHZ	R020	FAS	-
54F299FM	FST	SRG	SHIFT REG,8 BIT,L/R SH,3S,PIPO	FLP20	+5V	125	-	150TPMHZ	R020	FAS	-
54F322DM	FST	SRG	SHIFT REG,8 BIT,RIGHT EXTD, 3S	DIL20C	+5V	125	140MA	9TPNS	R021	FAS	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VOC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
54F322FM	FST	SRG	SHIFT REG,8 BIT,RIGHT EXTD, 3S	FLP20	+5V	125	140MA	9TPNS	R021	FAS	-
54F323DM	FST	SRG	SHIFT REG,8 BIT,L/R,3S,PIPO	DIL20C	+5V	125	132MA	9TPNS	R022	FAS	-
54F323FM	FST	SRG	SHIFT REG,8 BIT,L/R,3S,PIPO	FLP20	+5V	125	132MA	9TPNS	R022	FAS	-
54F350DM	FST	ARI	ARITHMETIC UNIT,SHFTER,4 BT,3S	DIL16C	+5V	125	56MA	4.STPNS	Z042	FAS	-
54F350FM	FST	ARI	ARITHMETIC UNIT,SHFTER,4 BT,3S	FLP16	+5V	125	56MA	4.STPNS	Z042	FAS	-
54F352DM	FST	MUX	MUX/DATA SELECT,4-1LN,INV,DUAL	DIL16C	+5V	125	16MA	6.3TPNS	M011	FAS	-
54F352FM	FST	MUX	MUX/DATA SELECT,4-1LN,INV,DUAL	FLP16	+5V	125	16MA	6.3TPNS	M011	FAS	-
54F353DM	FST	MUX	MUX/DATA SEL,4-1LN,INV,3S,DUAL	DIL16C	+5V	125	30MA	6.3TPNS	M012	FAS	-
54F353FM	FST	MUX	MUX/DATA SEL,4-1LN,INV,3S,DUAL	FLP16	+5V	125	30MA	6.3TPNS	M012	FAS	-
54F373DM	FST	LCH	LATCH, LO VOH 54363, OCTAL	DIL20C	+5V	125	55MA	11MXNS	L006	FAS	-
54F373FM	FST	LCH	LATCH, LO VOH 54363, OCTAL	FLP20	+5V	125	55MA	11MXNS	L006	FAS	-
54F374DM	FST	FFD	FF/D, LO VOH 54364, OCTAL	DIL20C	+5V	125	86MA	10MXNS	F027	FAS	-
54F374FM	FST	FFD	FF/D, LO VOH 54364, OCTAL	FLP20	+5V	125	86MA	10MXNS	F027	FAS	-
54F379DM	FST	FFD	FF/D, COMMON ENABLE, QUAD	DIL16C	+5V	125	54MA	110MXMHZ	R024	FAS	-
54F379FM	FST	FFD	FF/D, COMMON ENABLE, QUAD	FLP16	+5V	125	54MA	110MXMHZ	R024	FAS	-
54F381DM	FST	ALU	ALU, FUNCTION GEN,4 BIT, LAHCG	DIL20C	+5V	125	-	8.5TPNS	Z038	FAS	-
54F381FM	FST	ALU	ALU, FUNCTION GEN,4 BIT, LAHCG	FLP20	+5V	125	-	8.5TPNS	Z038	FAS	-
54F382DM	FST	ALU	ALU,FUNCTION GEN,4 BT,OVERFLOW	DIL20C	+5V	125	-	14.5TPNS	Z038	FAS	-
54F382FM	FST	ALU	ALU,FUNCTION GEN,4 BT,OVERFLOW	FLP20	+5V	125	-	14.5TPNS	Z038	FAS	-
54F398DM	FST	MUX	MUX,2 IP,LATCH,2 RAIL OP, QUAD	DIL20C	+5V	125	40MA	150TPMHZ	M018	FAS	-
54F398FM	FST	MUX	MUX,2 IP,LATCH,2 RAIL OP, QUAD	FLP20	+5V	125	40MA	150TPMHZ	M018	FAS	-
54F399DM	FST	MUX	MUX, 2 IP,LATCH,1 RAIL OP,QUAD	DIL16C	+5V	125	40MA	150TPMHZ	M019	FAS	-
54F399FM	FST	MUX	MUX, 2 IP,LATCH,1 RAIL OP,QUAD	FLP16	+5V	125	40MA	150TPMHZ	M019	FAS	-
54F500DM	FST	ADC	ANALOG DIGITAL CONVERTER,6 BIT	DIL22C	+5-6V	125	-	40TPMHZ	Z999	FAS	-
54F500FM	FST	ADC	ANALOG DIGITAL CONVERTER,6 BIT	FLP22	+5-6V	125	-	40TPMHZ	Z999	FAS	-
54F521DM	FST	CMP	COMPARATOR,IDENTITY,8 BIT EXPD	DIL20C	+5V	125	56MA	7.5TPNS	Z999	FAS	-
54F521FM	FST	CMP	COMPARATOR,IDENTITY,8 BIT EXPD	FLP20	+5V	125	56MA	7.5TPNS	Z999	FAS	-
54F524DM	FST	CMP	COMPARATOR,8 BT,WITH REGISTER	DIL20C	+5V	125	256MA	75TPMHZ	Z999	FAS	-
54F524FM	FST	CMP	COMPARATOR,8 BT,WITH REGISTER	FLP20	+5V	125	256MA	75TPMHZ	Z999	FAS	-
54F533DM	FST	LCH	LATCH,TRANSPARENT,3S INV,OCTAL	DIL20C	+5V	125	70MA	9.2TPNS	L008	FAS	-
54F533FM	FST	LCH	LATCH,TRANSPARENT,3S INV,OCTAL	FLP20	+5V	125	70MA	9.2TPNS	L008	FAS	-
54F534DM	FST	FFD	FF/D, EDG TRIG,3S INV OP,OCTAL	DIL20C	+5V	125	110MA	6.5TPNS	F029	FAS	-
54F534FM	FST	FFD	FF/D, EDG TRIG,3S INV OP,OCTAL	FLP20	+5V	125	110MA	6.5TPNS	F029	FAS	-
54F537DM	FST	DCD	DECODER,4-10LN,DEMUX, 3S OP	DIL20C	+5V	125	88MA	14.5MXNS	Z999	FAS	-
54F537FM	FST	DCD	DECODER,4-10LN,DEMUX,3S OP	FLP20	+5V	125	88MA	14.5MXNS	Z999	FAS	-
54F538DM	FST	DCD	DECODER,3-8LN,DEMUX, 3S OP	DIL20C	+5V	125	76MA	14.5TPNS	Z999	FAS	-
54F538FM	FST	DCD	DECODER,3-8LN,DEMUX, 3S OP	FLP20	+5V	125	76MA	14.5TPNS	Z999	FAS	-
54F539DM	FST	DCD	DECODER,2-4LN,DEMUX,3S OP,DUAL	DIL20C	+5V	125	84MA	13MXNS	Z999	FAS	-
54F539FM	FST	DCD	DECODER,2-4LN,DEMUX,3S OP,DUAL	FLP20	+5V	125	84MA	13MXNS	Z999	FAS	-
54F545DM	FST	TRX	TRANSCEIVER,BIDIRECTIONL,OCTAL	DIL20C	+5V	125	256MA	6TPNS	Z999	FAS	-
54F545FM	FST	TRX	TRANSCEIVER,BIDIRECTIONL,OCTAL	FLP20	+5V	125	256MA	6TPNS	Z999	FAS	-
54F557DM	FST	MLT	MULTIPLIER, 8X8 BIT, 3S, LATCH	DIL40C	+5V	125	400MA	50TPNS	Z999	FAS	-
54F557FM	FST	MLT	MULTIPLIER, 8X8 BIT, 3S, LATCH	FLP40	+5V	125	400MA	50TPNS	Z999	FAS	-
54F558DM	FST	MLT	MULTIPLIER, 8X8 BIT, 3S	DIL40C	+5V	125	400MA	50TPNS	Z999	FAS	-
54F558FM	FST	MLT	MULTIPLIER, 8X8 BIT, 3S	FLP40	+5V	125	400MA	50TPNS	Z999	FAS	-
54F559DM	FST	MLT	MULTIPLIER/DIVIDER,8 BT,EXPDBL	DIL24C	+5V	125	-	1.6TPUS	Z999	FAS	-
54F559FM	FST	MLT	MULTIPLIER/DIVIDER,8 BT,EXPDBL	FLP24	+5V	125	-	1.6TPUS	Z999	FAS	-
54F568DM	FST	CTR	COUNTER,BCD DEC,UP/DWN,3S,SYNC	DIL20C	+5V	125	90MA	100TPMHZ	C023	FAS	-
54F568FM	FST	CTR	COUNTER,BCD DEC,UP/DWN,3S,SYNC	FLP20	+5V	125	90MA	100TPMHZ	C023	FAS	-
54F569DM	FST	CTR	COUNTER,4BT BIN,UP/DWN,3S,SYNC	DIL20C	+5V	125	90MA	100TPMHZ	C023	FAS	-
54F569FM	FST	CTR	COUNTER,4BT BIN,UP/DWN,3S,SYNC	FLP20	+5V	125	90MA	100TPMHZ	C023	FAS	-
54F588DM	FST	TRX	TRANSCEIVER,BIDIRECTIONL,OCTAL	DIL20C	+5V	125	256MA	6TPNS	Z999	FAS	-
54F588FM	FST	TRX	TRANSCEIVER,BIDIRECTIONL,OCTAL	FLP20	+5V	125	256MA	6TPNS	Z999	FAS	-
54H SERIES	HTL	-	ALTERNATE NAME FOR 54H00 SER.	-	-	-	-	-	-	-	SN54H00 SER
54H00 SERIES	HTL	-	FAMILY TITLE FOR SN54H00 SER.	-	-	-	-	-	-	-	SN54H00 SER.
54H00 SERIES	HTL	-	SHORT CODE FOR T54H00 SERIES	-	+5V	125	-	-	-	SGS	T54H00 SERIES
54H00DM SER.	HTL	-	HOUSE CODES FOR SN54H00J SER.	DIL--C	-	125	-	-	-	FAS	SN54H00J SER
54H00F SERIES	HTL	-	SHORT CODE FOR S54H00F SERIES	DIL--C	+5V	125	-	-	-	SIG	SN54H00J SER.
54H00FM SER.	HTL	-	HOUSE CODES FOR SN54H00W	FLP---	-	125	-	-	-	FAS	SN54H00W SER
54H00W SERIES	HTL	-	SHORT CODE FOR S54H00W SERIES	FLP---	+5V	125	-	-	-	SIG	SN54H00W SER.
54L SERIES	LTL	-	ALTERNATE NAME FOR 54L00 SER.	-	-	-	-	-	-	-	SN54L00 SER.
54L00 SERIES	LTL	-	FAMILY TITLE FOR SN54L00 SER.	-	-	-	-	-	-	-	SN54L00 SER.
54LS SERIES	LST	-	ALTERNATE NAME FOR 54LS00 SER.	-	-	-	-	-	-	-	SN54LS00 SER.
54LS00 SERIES	LST	-	FAMILY TITLE FOR SN54LS00 SER.	-	-	-	-	-	-	-	SN54LS00 SER.
54LS00DM SER.	LST	-	HOUSE CODES FOR SN54LS00J SER.	DIL--C	-	125	-	-	-	FAS	SN54LS00J SER
54LS00F SER.	LST	-	SHORT CODE FOR S54LS00F SERIES	DIL--C	+5V	125	-	-	-	SIG	SN54LS00J SER
54LS00FM SER.	LST	-	HOUSE CODES FOR SN54LS00W SER.	FLP---	-	125	-	-	-	FAS	SN54LS00W SER
54LS00J SER	LST	-	ALTERNATE SOURCE SN54LS00J SER	DIL--C	-	125	-	-	-	RAY	SN54LS00J SER
54LS00W SER.	LST	-	SHORT CODE FOR S54LS00W SERIES	FLP---	+5V	125	-	-	-	SIG	SN54LS00W SER
54LS00W SER.	LST	-	ALTERNATE SOURCE SN54LS00W SER	FLP---	-	125	-	-	-	RAY	SN54LS00W SER
54LS73DM	LST	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	DIL14C	+5V	125	8MA	30MXMHZ	F007	FAS	DM54LS73DM
54LS73FM	LST	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	FLP14C	+5V	125	8MA	30MXMHZ	F007	FAS	DM54LS73W
54LS76FM	LST	FFJ	FF/JK, M-S, SEP S/R/CK, DUAL	FLP16	+5V	125	8MA	30MXMHZ	F010	FAS	DM54LS76W
54LS78FM	LST	FFJ	FF/JK,M-S,COMM R/CK,SEP S,DUAL	FLP14	+5V	125	8MA	30MXMHZ	F012	FAS	DM54LS78W
54LS89DM	LST	MEM	RAM, 64=16X4 BIT, OC OP	DIL16C	+5V	125	40MA	60MXNS	S001	FAS	S54LS89F

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
54LS89FM	LST	MEM	RAM, 64=16X4 BIT, OC OP	FLP16	+5V	125	40MA	60MXNS	S001	FAS	-
54LS109FM	LST	FFJ	FF/J(-K), +ET,SEP S/R/CK, DUAL	FLP16	+5V	125	8MA	30MXMHZ	F021	FAS	DM54LS109W
54LS126DM	LST	LND	LINE DRIVER, 3S OP,HI EN, QUAD	DIL14C	+5V	125	24MA	30MXNS	B003	FAS	DM54LS126J
54LS126FM	LST	LND	LINE DRIVER, 3S OP,HI EN, QUAD	FLP14	+5V	125	24MA	30MXNS	B003	FAS	DM54LS126W
54LS133DM	LST	NAN	NAND, 13IP	DIL16C	+5V	125	1.1MA	38MXNS	N012	FAS	-
54LS133FM	LST	NAN	NAND, 13IP	FLP16	+5V	125	1.1MA	38MXNS	N012	FAS	-
54LS152FM	LST	MUX	MUX/DATA SELECTOR,14 PIN 54151	FLP14	+5V	125	9MA	32MXNS	M003	FAS	-
54LS160ADM	LST	CTR	COUNTER,DEC,4 BIT, SYNC,DRCT R	DIL16C	+5V	125	32MA	25MXMHZ	C004	FAS	S54LS160AF
54LS160AFM	LST	CTR	COUNTER,DEC,4 BIT, SYNC,DRCT R	FLP16	+5V	125	32MA	25MXMHZ	C004	FAS	S54LS160AW
54LS16CDM	LST	CTR	COUNTER,DEC,4 BIT, SYNC,DRCT R	DIL16C	+5V	125	32MA	25MXMHZ	C004	FAS	DM54LS160J
54LS160FM	LST	CTR	COUNTER,DEC,4 BIT, SYNC,DRCT R	FLP16	+5V	125	32MA	25MXMHZ	C004	FAS	DMLS160W
54LS161ADM	LST	CTR	COUNTER, BIN,4 BIT,SYNC,DRCT R	DIL16C	+5V	125	32MA	25MXMHZ	C004	FAS	S54LS161AF
54LS161AFM	LST	CTR	COUNTER, BIN,4 BIT,SYNC,DRCT R	FLP16	+5V	125	32MA	25MXMHZ	C004	FAS	S54LS161AW
54LS161DM	LST	CTR	COUNTER, BIN,4 BIT,SYNC,DRCT R	DIL16C	+5V	125	32MA	25MXMHZ	C004	FAS	DM54LS161J
54LS161FM	LST	CTR	COUNTER, BIN,4 BIT,SYNC,DRCT R	FLP16	+5V	125	32MA	25MXMHZ	C004	FAS	DM54LS161W
54LS162DM	LST	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	DIL16C	+5V	125	32MA	25MXMHZ	C005	FAS	DM54LS162J
54LS162FM	LST	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	FLP16	+5V	125	32MA	25MXMHZ	C005	FAS	DM54LS162W
54LS240FM	LST	LND	LINE DRIVER,3S,INV,LO EN,OCTAL	FLP20	+5V	125	50MA	30MXNS	B004	FAS	S54LS240W
54LS241FM	LST	LND	LINE DRIVER,3S,DIR,LO EN,OCTAL	FLP20	+5V	125	54MA	30MXNS	B005	FAS	-
54LS244FM	LST	LND	LINE DRIVER,3S OP,LO EN, OCTAL	FLP20	+5V	125	54MA	30MXNS	B006	FAS	-
54LS245FM	LST	TRX	TRANSCVR,BUS NON-INV 3S, OCTAL	FLP20	+5V	125	95MA	40MXNS	T003	FAS	-
54LS256DM	LST	LCH	LATCH,ADDRESSABLE,4 BIT, DUAL	DIL16C	+5V	125	25MA	30MXNS	L003	FAS	S54LS256F
54LS256FM	LST	LCH	LATCH,ADDRESSABLE,4 BIT, DUAL	FLP16	+5V	125	25MA	30MXNS	L003	FAS	S54LS256W
54LS257DM	LST	SEL	MUX/DATA SELECTR,2-1LN,3S,QUAD	DIL16C	+5V	125	19MA	30MXNS	M009	FAS	DM54LS257DM
54LS257FM	LST	SEL	MUX/DATA SELECTR,2-1LN,3S,QUAD	FLP16	+5V	125	19MA	30MXNS	M009	FAS	DM54LS257W
54LS258DM	LST	SEL	MUX/DATA SELECTR,INV-OP-54257	DIL16C	+5V	125	19MA	30MXNS	M010	FAS	DM54LS258J
54LS258FM	LST	SEL	MUX/DATA SELECTR,INV-OP-54257	FLP16	+5V	125	19MA	30MXNS	M010	FAS	DM54LS258W
54LS260DM	LST	NOR	NOR, 5 INPUT, DUAL	DIL14C	+5V	125	5.5MA	12MXNS	Q006	FAS	S54LS260F
54LS260FM	LST	NOR	NOR, 5 INPUT, DUAL	FLP14	+5V	125	5.5MA	12MXNS	Q006	FAS	S54LS260W
54LS273FM	LST	FFD	FF/D, COMMON R/CK, OCTAL	FLP20	+5V	125	27MA	30MXMHZ	R017	FAS	-
54LS295ADM	LST	SRG	SHIFT REG,4 BIT,L/R,3S OP,PIPO	DIL14C	+5V	125	25MA	30MXMHZ	R018	FAS	-
54LS295AFM	LST	SRG	SHIFT REG,4 BIT,L/R,3S OP,PIPO	FLP14	+5V	125	25MA	30MXMHZ	R018	FAS	-
54LS322FM	LST	SRG	SHIFT REG,8 BIT,RIGHT EXTD, 3S	FLP20	+5V	125	60MA	35MXMHZ	R021	FAS	-
54LS323FM	LST	SRG	SHIFT REG,8 BIT,L/R,3S,PIPO	FLP20	+5V	125	53MA	35MXMHZ	R022	FAS	-
54LS373FC	LST	LCH	LATCH, LO VOH 54363, OCTAL	FLP20	+5V	125	40MA	36MXNS	L006	FAS	DM54LS373W
54LS374FM	LST	FFD	FF/D, LO VOH 54373, OCTAL	FLP20	+5V	125	40MA	35MXMHZ	F027	FAS	DM54LS374W
54LS377FM	LST	FFD	FF/D, COMMON EN + CLK, OCTAL	FLP20	+5V	125	28MA	30MXMHZ	F028	FAS	-
54LS378FM	LST	FFD	FF/D, COMMON ENABLE, HEX	FLP16	+5V	125	22MA	30MXMHZ	R023	FAS	S54LS378W
54LS379FM	LST	FFD	FF/D, COMMON ENABLE, QUAD	FLP16	+5V	125	15MA	30MXMHZ	R024	FAS	S54LS379W
54LS502DM	LST	REG	REGISTER,8 BT,SUCCESSIV APPROX	DIL16C	+5V	125	65MA	15MXMHZ	R026	FAS	-
54LS502FM	LST	REG	REGISTER,8 BT,SUCCESSIV APPROX	FLP16	+5V	125	65MA	15MXMHZ	R026	FAS	-
54LS503DM	LST	REG	REG,SUCC APPX,EXPANDED 54502	DIL16C	+5V	125	65MA	15MXMHZ	R027	FAS	-
54LS503FM	LST	REG	REG,SUCC APPX,EXPANDED 54502	FLP16	+5V	125	65MA	15MXMHZ	R027	FAS	-
54LS533DM	LST	LCH	LATCH,TRANSPARENT,3S INV,OCTAL	DIL20C	+5V	125	40MA	35MXNS	L008	FAS	-
54LS533FM	LST	LCH	LATCH,TRANSPARENT,3S INV,OCTAL	FLP20	+5V	125	40MA	35MXNS	L008	FAS	-
54LS534DM	LST	FFD	FF/D, EDG TRIG,3S INV OP,OCTAL	DIL20C	+5V	125	45MA	35MXMHZ	F029	FAS	-
54LS534FM	LST	FFD	FF/D, EDG TRIG,3S INV OP,OCTAL	FLP20	+5V	125	45MA	35MXMHZ	F029	FAS	-
54LS540FM	LST	LND	LINE DRIVER,DIFFT PINOUT 54240	FLP20	+5V	125	50MA	30MXNS	B010	FAS	-
54LS541FM	LST	LND	LINE DRIVER,DIFFT PINOUT 54241	FLP20	+5V	125	54MA	30MXNS	B011	FAS	-
54LS563DM	LST	LCH	LATCH,TRANSPARENT,3S INV,OCTAL	DIL20C	+5V	125	40MA	35MXNS	L009	FAS	-
54LS563FM	LST	LCH	LATCH,TRANSPARENT,3S INV,OCTAL	FLP20	+5V	125	40MA	35MXNS	L009	FAS	-
54LS564DM	LST	FFD	FF/D,INV 3S OP,COM CK/OE,OCTAL	DIL20C	+5V	125	45MA	35MXMHZ	F030	FAS	-
54LS564FM	LST	FFD	FF/D,INV 3S OP,COM CK/OE,OCTAL	FLP20	+5V	125	45MA	35MXMHZ	F030	FAS	-
54LS573DM	LST	MEM	PROM,4K=1024X4 BIT, 3S OP	DIL18C	+5V	125	40MA	30MXNS	L010	FAS	-
54LS573FM	LST	MEM	PROM,4K=1024X4 BIT, 3S OP	FLP18	+5V	125	40MA	30MXNS	L010	FAS	-
54LS574DM	LST	MEM	PROM,4K=1024X4 BIT, OC OP	DIL18C	+5V	125	45MA	35MXMHZ	F031	FAS	-
54LS574FM	LST	MEM	PROM,4K=1024X4 BIT, OC OP	FLP18	+5V	125	45MA	35MXMHZ	F031	FAS	-
54H00 SERIES	HTL	-	HOUSE CODES FOR SN54H00 SERIES	-	-	125	-	-	-	RAY	SN54H00 SER.
54S SERIES	STL	-	ALTERNATE NAME FOR 54S00 SER	-	-	-	-	-	-	-	SN54S00 SER.
54S00 SERIES	STL	-	FAMILY TITLE FOR SN54S00 SER.	-	-	-	-	-	-	-	SN54S00 SER.
54S00DM SER	STL	-	HOUSE CODES FOR SN54S00J SER.	DIL--C	-	125	-	-	-	FAS	SN54S00J SER.
54S00F SERIES	STL	-	SHORT CODE FOR S54S00F SERIES	DIL--C	+5V	125	-	-	-	SIG	SN54S00J SER.
54S00FM SER	STL	-	HOUSE CODES FOR SN54S00W SER	FLP---	-	125	-	-	-	FAS	SN54S00W SER.
54S00W SERIES	STL	-	SHORT CODE FOR S54S00W SERIES	FLP---	+5V	125	-	-	-	SIG	SN54S00W SER.
54S109DM	STL	FFJ	FF/J(-K), +ET,SEP S/R/CK, DUAL	DIL16C	+5V	125	52MA	75MXMHZ	F021	FAS	S54S109F
54S109FM	STL	FFJ	FF/J(-K), +ET,SEP S/R/CK, DUAL	FLP16	+5V	125	52MA	75MXMHZ	F021	FAS	S54S109W
54S114DM	STL	FFJ	FF/JK, -ET,COM R/CK,SEP S,DUAL	DIL14C	+5V	125	50MA	80MXMHZ	F024	FAS	S54S114F
54S114PM	STL	FFJ	FF/JK, -ET,COM R/CK,SEP S,DUAL	DIL14P	+5V	125	50MA	80MXMHZ	F024	FAS	S54S114F
54S114FM	STL	FFJ	FF/JK, -ET,COM R/CK,SEP S,DUAL	FLP14	+5V	125	50MA	80MXMHZ	F024	FAS	S54S114W
54S137DM	STL	DCD	DECODER/DEMUX,3-8 LN,ADDR LTCH	DIL16C	+5V	125	95MA	20MXNS	D005	FAS	-
54S137FM	STL	DCD	DECODER/DEMUX,3-8 LN,ADDR LTCH	FLP16	+5V	125	95MA	20MXNS	D005	FAS	-
54S240FM	STL	LND	LINE DRIVER,3S,INV,LO EN,OCTAL	FLP20	+5V	125	145MA	15MXNS	B004	FAS	-
54S241FM	STL	LND	LINE DRIVER,3S,DIR,LO EN,OCTAL	FLP20	+5V	125	170MA	15MXNS	B005	FAS	-
54S253DM	STL	SEL	MUX/DATA SELECTR,4-1LN,3S,DUAL	DIL16C	+5V	125	100MA	21MXNS	M008	FAS	S54S253F
54S253FM	STL	SEL	MUX/DATA SELECTR,4-1LN,3S,DUAL	FLP16	+5V	125	100MA	21MXNS	M008	FAS	S54S253W

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
54SS SERIES	SST	-	ALTERN. NAME FOR RAY54SS00 SER	-	-	-	-	-	-	RAY	RAY54SS00 SER
54/7400 SER.	TTL	-	OTHER NAME 5400 AND 7400 SER	-	+5V	VA	-	-	-	VAR	-
64 SERIES	TTL	-	ALTERNATE NAME FOR 6400 SERIES	-	-	-	-	-	-	-	SN6400 SERIES
64H SERIES	HTL	-	ALTERNATE NAME FOR 64H00 SER.	-	-	-	-	-	-	-	SN64H00 SER
64H00 SERIES	HTL	-	FAMILY TITLE FOR SN64H00 SER.	-	-	-	-	-	-	-	SN64H00 SER.
64L SERIES	LTL	-	ALTERNATE NAME FOR 64L00 SER.	-	-	-	-	-	-	-	SN64L00 SER.
64L00 SERIES	LTL	-	FAMILY TITLE FOR SN64L00 SER.	-	-	-	-	-	-	-	SN64L00 SER.
64LS SERIES	LST	-	ALTERNATE NAME FOR 64LS00 SER.	-	-	-	-	-	-	-	SN64LS00 SER.
64LS00 SERIES	LST	-	FAMILY TITLE FOR SN64LS00 SER.	-	-	-	-	-	-	-	SN64LS00
64S SERIES	STL	-	ALTERNATE NAME FOR 64S00 SER.	-	-	-	-	-	-	-	SN64S00 SER.
64S00 SERIES	STL	-	FAMILY TITLE FOR SN64S00 SER.	-	-	-	-	-	-	-	SN64S00 SER.
74 SERIES	TTL	-	ALTERNATE NAME FOR 7400 SERIES	-	-	-	-	-	-	-	SN7400 SERIES
74ALS SERIES	ALS	-	ALTERNATE NAME FOR 74ALS00 SER	-	-	-	-	-	-	-	SN74ALS00 SER
74ALS00 SER.	ALS	-	FAMILY TITLE FOR SN74ALS00 SER	-	-	-	-	-	-	-	SN74ALS00 SER
74ALS00	ALS	NAN	QUAD 2-INPUT NAND GATE	DIL14P	+5V	70C	3MA	5MXNS	N001	TII	SN74ALS00N
74ALS01	ALS	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	70C	4MA	6.5MXNS	N003	TII	SN74ALS01N
74ALS02	ALS	NOR	NOR, 2IP, QUAD	DIL14P	+5V	70C	4MA	605MXNS	Q001	TII	SN74ALS02N
74ALS03	ALS	NAN	QUAD 2-INPUT NAND GATE,O/C O/P	DIL14P	+5V	70C	308MA	5.5MXNS	N001	TII	SN74ALS03N
74ALS04	ALS	INV	HEX INVERTER	DIL14P	+5V	70C	3.8MA	5.5MXNS	I001	TII	SN74ALS04N
74ALS05	ALS	INV	INVERTER, OC OP, HEX	DIL14P	+5V	70C	-	-	I001	TII	SN74ALS05N
74ALS08	ALS	AND	QUAD 2-INPUT AND GATE	DIL14P	+5V	70C	-	-	A001	TII	SN74ALS08N
74ALS09	ALS	AND	QUAD 2-INPUT AND GATE, O/C O/P	DIL14P	+5V	70C	-	-	A001	TII	SN74ALS09N
74ALS10	ALS	NAN	TRIPLE 3-INPUT NAND GATE	DIL14P	+5V	70C	-	-	N004	TII	SN74ALS10N
74ALS11	ALS	AND	TRIPLE 3-INPUT AND GATE	DIL14P	+5V	70C	-	-	A003	TII	SN74ALS11N
74ALS12	ALS	NAN	TRIPLE 3-INPUT NAND GATE,OC OP	DIL14P	+5V	70C	-	-	N004	TII	SN74ALS12N
74ALS15	ALS	AND	TRIPLE 3-IP AND GATE O/C O/P	DIL14P	+5V	70C	-	-	A003	TII	SN74ALS15N
74ALS20	ALS	NAN	DUAL 4-INPUT NAND GATE	DIL14P	+5V	70C	-	-	N008	TII	SN74ALS20P
74ALS21	ALS	AND	DUAL 4-INPUT AND GATE	DIL14P	+5V	70C	-	-	A005	TII	SN74ALS21N
74ALS22	ALS	NAN	DUAL 4-INPUT NAND GATE,O/C O/P	DIL14P	+5V	70C	-	-	N008	TII	MM74ALS22N
74ALS27	ALS	NOR	TRIPLE 3-INPUT NOR GATE	DIL14P	+5V	70C	-	-	Q005	TII	SN74ALS27N
74ALS28	ALS	BUF	QUAD 2-INPUT NOR BUFFER	DIL14P	+5V	70C	-	-	Q001	TII	SN74ALS28N
74ALS30	ALS	NAN	8-INPUT NAND GATE	DIL14P	+5V	70C	-	-	N010	TII	SN74ALS30N
74ALS32	ALS	ORG	QUAD 2-INPUT OR GATE	DIL14P	+5V	70C	-	-	O001	TII	SN74ALS32N
74ALS33	ALS	BUF	QUAD 2-INPUT NOR BUFFER,O/C OP	DIL14P	+5V	70C	-	-	Q001	TII	SN74ALS33N
74ALS37	ALS	BUS	QUAD 2-INPUT NAND BUFFER	DIL14P	+5V	70C	-	-	N001	TII	SN74ALS37N
74ALS38	ALS	BUF	QUAD 2-INPUT NAND BUFFER,OC OP	DIL14P	+5V	70C	-	-	N001	TII	SN74ALS38N
74ALS40	ALS	BUF	DUAL 4-INPUT NAND BUFFER	DIL14P	+5V	70C	-	-	N008	TII	SN74ALS40N
74ALS74	ALS	FFD	DUAL D-TYPE FLIP-FLOP	DIL14P	+5V	70C	-	-	F008	TII	SN74ALS74N
74ALS109	ALS	FFJ	DUAL JK FLIP FLOP PRESET+CLEAR	DIL16P	+5V	70C	-	-	F021	TII	SN74ALS109N
74ALS112	ALS	FFJ	DUAL JK FLIP FLOP PRESET+CLEAR	DIL16P	+5V	70C	-	-	F022	TII	SN74ALS112N
74ALS113	ALS	FFJ	DUAL JK FLIP FLOP WITH PRESET	DIL14P	+5V	70C	-	-	F023	TII	SN74ALS113N
74ALS114	ALS	FFJ	DUAL JK FLIP FLOP PRESET+CLEAR	DIL14P	+5V	70C	-	-	F024	TII	SN74ALS114N
74ALS123	ALS	MON	DUAL MONOSTABLE MULTI RETRIGG.	DIL16P	+5V	70C	-	-	U003	TII	SN74ALS123N
74ALS132	ALS	NAN	QUAD 2-INPUT NAND SCHMITT	DIL14	+5V	70C	-	-	N001	TII	SN74ALS132N
74ALS133	ALS	NAN	13-INPUT NAND GATE	DIL16P	+5V	70C	-	-	N012	TII	SN74ALS133N
74ALS157	ALS	SEL	QUAD 2-TO-1 LINE SELECTOR	DIL16P	+5V	70C	-	-	M005	TII	SN74ALS157N
74ALS158	ALS	SEL	QUAD 2-TO-1 LN SELECTOR INV.	DIL16P	+5V	70C	-	-	M006	TII	SN74ALS158N
74ALS160	ALS	CTR	SYNCHRONOUS DECADE COUNTER	DIL16P	+5V	70C	-	-	C004	TII	SN74ALS160N
74ALS161	ALS	CTR	SYNCHRONOUS BINARY COUNTER 4BT	DIL16P	+5V	70C	-	-	C004	TII	SN74ALS161N
74ALS162	ALS	CTR	SYNCHRONOUS DECADE COUNTER	DIL16P	+5V	70C	-	-	C005	TII	SN74ALS162N
74ALS163	ALS	CTR	SYNCHRONOUS BINARY COUNTER 4BT	DIL16P	+5V	70C	-	-	C005	TII	SN74ALS163N
74ALS168	ALS	CTR	SYNCHR. DECADE UP/DOWN COUNTER	DIL16P	+5V	70C	-	-	C006	TII	SN74ALS168N
74ALS169	ALS	CTR	SYNCH. 4BT BIN. UP/DWN COUNTER	DIL16P	+5V	70C	-	-	C006	TII	SN74ALS169N
74ALS190	ALS	CTR	REVERSIBLE DECADE COUNTER O/C	DIL16P	+5V	70C	-	-	C008	TII	SN74ALS190N
74ALS191	ALS	CTR	REVERSIBLE BINARY COUNTER 4BIT	DIL16P	+5V	70C	-	-	C008	TII	SN74ALS191N
74ALS192	ALS	CTR	REVERSIBLE DECADE COUNTER	DIL16P	+5V	70C	-	-	C009	TII	SN74ALS192N
74ALS193	ALS	CTR	REVERSIBLE BINARY COUNTER 4BIT	DIL16P	+5V	70C	-	-	C009	TII	SN74ALS193N
74ALS257	ALS	SEL	QUAD 2-TO-1 LN SELECTOR 3S	DIL16P	+5V	70C	-	-	M009	TII	SN74ALS257N
74ALS258	ALS	SEL	QUAD 2-TO-1 LN SELECTOR 3S INV	DIL16P	+5V	70C	-	-	M010	TII	SN74ALS258N
74ALS299	ALS	SRG	8BT L/R SHIFT/STORAGE REG. 3S	DIL20P	+5V	70C	-	-	R020	TII	SN74ALS299N
74ALS323	ALS	SRG	8BT SHIFT/STORAGE REG. 3S OP	DIL20P	+5V	70C	-	-	R022	TII	SN74ALS323N
74ALS354	ALS	SEL	8-TO-1 LN DATA SEL/MUX/REG.	DIL20P	+5V	70C	-	-	Z999	TII	SN74ALS354N
74ALS355	ALS	SEL	8-TO-1 LN DATA SEL/MUX/REG. OC	DIL20P	+5V	70C	-	-	Z999	VAR	SN74ALS355N
74ALS356	ALS	SEL	8-TO-1 LN DATA SEL/MUX/REG. 3S	DIL20P	+5V	70C	-	-	Z999	VAR	SN74ALS356N
74ALS357	ALS	SEL	8-TO-1 LN DATA SEL/MUX/REG. OC	DIL20P	+5V	70C	-	-	Z999	VAR	SN74ALS357N
74ALS560	ALS	CTR	COUNTER, 4BT,DEC,SYNCHR. 3S OP	DIL20P	+5V	70C	-	-	Z999	TII	SN74ALS560N
74ALS561	ALS	CTR	COUNTER, 4BT,DEC,SYNCHR. 3S OP	DIL20P	+5V	70C	-	-	Z999	TII	SN74ALS561N
74ALS568	ALS	CTR	COUNTER, DECADE,UP/DOWN, 3S	DIL20P	+5V	70C	-	-	C023	TII	SN74ALS568N
74ALS569	ALS	CTR	COUNTER, 4BT BIN UP/DWN 3S OP	DIL20P	+5V	70C	-	-	Z999	TII	SN74ALS569N
74ALS573	ALS	LCH	OCTAL LATCH 3S OP	DIL20P	+5V	70C	-	-	Z999	TII	SN74ALS573N
74ALS574	ALS	FFD	OCTAL D-TYPE FLIP-FLOP 3S OP	DIL20P	+5V	70C	-	-	Z999	TII	SN74ALS574N
74ALS576	ALS	FFD	OCTAL D-TYPE FLIP-FLOP 3S OP	DIL20P	+5V	70C	-	-	Z999	TII	SN74ALS576N
74ALS580	ALS	FFD	OCTAL D FLIP FLOP LATCH INV 3S	DIL20R	+5V	70C	-	-	Z999	TII	SN74ALS580N
74ALS857	ALS	MUX	UNIVERSAL MULTIPLEXER	DIL24	+5V	70C	-	-	Z999	TII	SN74ALS857N
74ALS873	ALS	LCH	OCTAL TRANSPARENT LATCH	DIL24	+5V	70C	-	-	Z999	TII	SN74ALS873N

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
74ALS874	ALS	FFD	OCTAL D-TYPE FLIP-FLOP	DIL24	+5V	70C	-	-	Z999	TII	SN74ALS874N
74ALS878	ALS	FFD	DUAL QUAD D-TYPE FLIP-FLOP INV	DIL20P	+5V	70C	-	-	Z999	TII	SN74ALS878N
74ALS880	ALS	LCH	DUAL QUAD D-TYPE TRANS LTCH 3S	DIL20P	+5V	70C	-	-	Z999	TII	SN74ALS880N
74ALS903	ALS	INV	HEX INVERTING PMOS BUFFER	DIL14P	+5V	70C	-	-	I013	TII	SN74ALS903N
74AS SERIES	AST	-	ALTERNATE NAME FOR 74AS00 SER.	-	-	-	-	-	-	-	SN74AS00 SER
74AS00 SERIES	AST	-	FAMILY TITLE FOR SN54AS00 SER.	-	-	-	-	-	-	-	SN74AS00 SER.
74AS800	AST	BUF	AND/NAND QUAD 3 I/P BUFFER	DIL20P	+5V	70C	-	-	Z999	TII	SN74AS800N
74AS801	AST	NAN	NAND HEX 2 INPUT	DIL20P	+5V	70C	-	-	Z999	TII	SN74S801N
74AS802	AST	ORG	OR/NOR QUAD 3 INPUT	DIL20P	+5V	70C	-	-	Z999	TII	SN74AS802N
74AS804	AST	NAN	HEX 2 INPUT NAND GATE BUFFER	DIL20P	+5V	70C	-	-	Z999	TII	SN74AS804N
74AS805	AST	NOR	HEX 2 INPUT NOR GATE	DIL20P	+5V	70C	-	-	Z999	TII	SN74AS805N
74AS808	AST	AND	HEX 2 INPUT AND GATE BUFFER	DIL20P	+5V	70C	-	-	Z999	TII	SN74AS808N
74AS820	AST	NAN	NAND DUAL 8 INPUT	DIL20P	+5V	70C	-	-	Z999	TII	SN74AS820N
74AS830	AST	AND	AND/NAND 16 INPUT	DIL20P	+5V	70C	-	-	Z999	TII	SN74AS830N
74AS832	AST	BUF	HEX 2 INPUT OR GATE BUFFER	DIL20P	+5V	70C	-	-	Z999	TII	SN74A832N
74AS836	AST	XNR	EX-NOR QUAD 2IP WITH 4IP BUFF	DIL20P	+5V	70C	-	-	Z999	TII	SN74AS836N
74AS850	AST	MUX	16-1 MULTIPLEXER	DIL24P	+5V	70C	-	-	Z999	TII	SN74AS850N
74AS857	AST	MUX	UNIVERSAL MULTIPLEXER	DIL24P	+5V	70C	-	-	Z999	TII	SN74AS857N
74AS859	AST	DCD	UNIVERSAL DECDR/DEMUX ADD LCH	DIL24P	+5V	70C	-	-	Z999	TII	SN74AS859N
74AS869	AST	CTR	UNIVERSAL COUNTER, LOOK AHEAD	DIL24P	+5V	70C	-	-	Z999	TII	SN74AS869N
74AS870	AST	REG	DUAL 16 WORD X 4 BIT REG FILE	DIL24P	+5V	70C	-	-	Z999	TII	SN74AS870N
74AS871	AST	REG	DUAL 16 WORD X 4 BIT REG FILE	DIL24P	+5V	70C	-	-	Z999	TII	SN74AS871N
74AS872	AST	FFJ	QUAD JK FLIP-FLOP COM CLR/CLK	DIL24P	+5V	70C	-	-	Z999	TII	SN74AS872N
74AS873	AST	LCH	OCTAL TRANSPARENT LATCH	DIL24P	+5V	70C	-	-	Z999	TII	SN74AS873N
74AS874	AST	FFD	OCTAL D-TYPE FLIP FLOP	DIL24P	+5V	70C	-	-	Z999	TII	SN74AS874N
74AS875	AST	FFD	QUAD D-TYPE FLIP-FLOP SEP CLR	DIL24P	+5V	70C	-	-	Z999	TII	SN74AS875N
74AS877	AST	TRX	OCTAL I/O STORING TX/RX	DIL24P	+5V	70C	-	-	Z999	TII	SN74AS877N
74AS878	AST	FFD	DUAL QUAD D-TYPE FLIP-FLOP INV	DIL20P	+5V	70C	-	-	Z999	TII	SN74AS878N
74AS880	AST	LCH	DUAL QUAD D-TYPE TRANS LTCH 3S	DIL20P	+5V	70C	-	-	Z999	TII	SN79AS880N
74AS881	AST	ALU	ARITHMETIC LOGIC UNIT	DIL24P	+5V	70C	-	-	Z999	TII	SN74AS881N
74AS882	AST	LAC	ALU CARRY LOOK-AHEAD GENERATOR	DIL24P	+5V	70C	-	-	Z999	TII	SN74AS882N
74AS884	AST	PAR	DUAL 8 BIT EVEN PARITY GEN/CHK	DIL24P	+5V	70C	-	-	Z999	TII	SN74AS884N
74AS885	AST	XXX	MAGNITUDE STATUS GENERATOR	DIL24P	+5V	70C	-	-	Z999	TII	SN74AS885N
74AS886	AST	XOR	EX-OR HEX 2 INPUT	DIL20P	+5V	70C	-	-	Z999	TII	SN74AS886N
74AS894	AST	CTR	BINARY/HEXADECIMAL SCALER 3S	DIL24P	+5V	70C	-	-	Z999	TII	SN74AS894N
74C SERIES	CMS	-	ALTERNATE NAME FOR MM74C00 SER	-	-	-	-	-	-	-	MM74C00 SER
74C00 SERIES	CMS	VAR	ABBREVIATION FOR MM74C00 SER	-	+5V	85C	-	-	-	NAT	MM74C00 SER.
74C000 SERIES	CMS	VAR	ABBREVIATION FOR MM74C000 SER	-	+5V	85C	-	-	-	NAT	MM74C000 SER
74C00	CMS	NAN	QUAD 2-INPUT NAND GATE	DIL14P	+5V	80C	-	50MXNS	N001	NAT	MM74C00N
74C02	CMS	NOR	NOR, 2IP, QUAD	DIL14P	+5V	80C	-	60MXNS	Q001	NAT	MM74C02N
74C04	CMS	INV	HEX INVERTER	DIL14P	+5V	80C	-	70MXNS	I001	NAT	MM74C04N
74C08	CMS	AND	QUAD 2-INPUT AND GATE	DIL14P	+5V	80C	-	-	A001	NAT	MM74C08N
74C10	CMS	NAN	TRIPLE 3-INPUT NAND GATE	DIL14P	+5V	80C	-	-	N004	NAT	MM74C10N
74C14	CMS	INV	HEX INVERTER, SCHMITT	DIL14P	+5V	80C	-	-	I004	NAT	MM74C14N
74C20	CMS	NAN	DUAL 4-INPUT NAND GATE	DIL14P	+5V	80C	-	-	N008	NAT	MM74C20N
74C30	CMS	NAN	8-INPUT NAND GATE	DIL14P	+5V	80C	-	-	N010	NAT	MM74C30N
74C32	CMS	ORG	QUAD 2-INPUT OR GATE	DIL14P	+5V	80C	-	-	O001	NAT	MM74C32N
74C42	CMS	DCD	DECODER, BCD-DECIMAL,4-10 LINE	DIL16P	+5V	80C	-	-	D001	NAT	MM74C42N
74C48	CMS	DCD	BCD-7 SEGMENT DECODER	DIL16P	+5V	80C	-	-	D011	NAT	MM74C48N
74C73	CMS	FFJ	DUAL JK FLIP FLOP	DIL14P	+5V	80C	-	-	F007	NAT	MM74C73
74C74	CMS	FFD	DUAL D-TYPE FLIP-FLOP	DIL14P	+5V	80C	-	-	F008	NAT	MM74C74N
74C76	CMS	FFJ	DUAL JK FLIP FLOP	DIL16P	+5V	80C	-	-	F010	NAT	MM74C76N
74C83	CMS	ADD	4-BIT BINARY FULL ADDER	DIL16P	+5V	80C	-	-	Z004	NAT	MM74C83N
74C85	CMS	CMP	4-BIT COMPARATOR	DIL16P	+5V	80C	-	-	Z005	NAT	MM74C85N
74C86	CMS	XOR	QUAD EXCLUSIVE OR-GATE	DIL14P	+5V	80C	-	-	X001	NAT	MM74C86N
74C89	CMS	MEM	64-BIT RANDOM ACCESS MEMORY	DIL16P	+5V	80C	-	-	S001	NAT	MM74C89N
74C90	CMS	CTR	DECADE COUNTER	DIL14P	+5V	80C	-	-	C001	NAT	MM74C90N
74C93	CMS	CTR	4-BIT BINARY COUNTER	DIL14P	+5V	80C	-	-	C003	NAT	MM74C93N
74C95	CMS	SRG	4-BIT SHIFT REGISTER, PIPO	DIL14P	+5V	80C	-	-	R004	NAT	MM74C95N
74C97	CMS	MLT	6-BIT BINARY RATE MULTIPLIER	DIL16P	+5V	80C	-	-	Z007	NAT	MM74C97N
74C98	CMS	SEL	DATA SELECTOR,STORAGE REG, 4BT	DIL16P	+5V	80C	-	-	M016	NAT	MM74C98N
74C107	CMS	FFJ	DUAL JK FLIP FLOP WITH CLEAR	DIL14P	+5V	80C	-	-	F018	NAT	MM74C107N
74C150	CMS	SEL	16 BIT DATA SELECTOR	DIL24P	+5V	80C	-	-	M001	NAT	MM74C150N
74C151	CMS	SEL	8 BIT DATA SELECTOR	DIL16P	+5V	80C	-	-	M002	NAT	MM74C151N
74C154	CMS	DCD	4-TO-16 LINE DECODER	DIL24P	+5V	80C	-	-	D009	NAT	MM74C154N
74C157	CMS	SEL	QUAD 2-TO-1 LINE SELECTOR	DIL16P	+5V	80C	-	-	M005	NAT	MM74C157N
74C160	CMD	CTR	SYNCHRONOUS DECADE COUNTER	DIL16P	+5V	80C	-	-	C004	NAT	MM74C160N
74C161	CMS	CTR	SYNCHRONOUS BINARY COUNTER 4BT	DIL16P	+5V	80C	-	-	C004	NAT	MM74C161N
74C162	CMS	CTR	SYNCHRONOUS DECADE COUNTER	DIL16P	+5V	80C	-	-	C005	NAT	MM74C162N
74C163	CMS	CTR	SYNCHRONOUS BINARY COUNTER 4BT	DIL16P	+5V	80C	-	-	C005	NAT	MM74C163N
74C164	CMS	SRG	8-BIT SHIFT REGISTER SIPO	DIL14P	+5V	80C	-	-	R006	NAT	MM74C164N
74C165	CMS	SRG	8-BIT SHIFT REGISTER PISO	DIL16P	+5V	80C	-	-	R007	NAT	MM74C165N
74C173	CMS	LCH	QUAD 3-STATE LATCH	DIL16P	+5V	80C	-	-	R010	NAT	MM74C173N
74C174	CMS	FFD	HEX D-TYPE FLIP FLOP WITH CLR	DIL16P	+5V	80C	-	-	F025	NAT	MM74C174N
74C175	CMS	FFD	QUAD D-TYPE FLIP FLOP COMM CLR	DIL16P	+5V	80C	-	-	F026	NAT	MM74C175N

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
74C192	CMS	CTR	REVERSIBLE DECADE COUNTER	DIL16P	+5V	80C	-	-	C009	NAT	MM74C192N
74C193	CMS	CTR	REVERSIBLE BINARY COUNTER 4BIT	DIL16P	+5V	80C	-	-	C009	NAT	MM74C193N
74C195	CMS	SRG	4-BIT SHIFT REGISTER PIPO	DIL16P	+5V	80C	-	-	R014	NAT	MM74C195N
74C200	CMS	MEM	256=256X1 BIT RAM 3S O/P	DIL16P	+5V	80C	-	-	S009	NAT	MM74C200N
74C221	CMS	MON	MONOSTABLE MULTI,SCHMITT, DUAL	DIL16C	+5V	85C	-	-	U003	NAT	MM74C221N
74C240	CMS	LND	LINE DRIVER,3S,INV,LO EN,OCTAL	DIL20P	+5V	85C	-	-	B004	NAT	MM74C240N
74C244	CMS	DVR	OCTAL 3-STATE DRIVER	DIL20P	+5V	80C	-	-	B006	NAT	MM74C244N
74C373	CMS	LCH	OCTAL TRANSPARENT LATCH 3S	DIL20P	+5V	80C	-	-	L006	NAT	MM74C373N
74C374	CMS	FFD	OCTAL D-TYPE FLIP-FLOP 3S O/P	DIL20P	+5V	80C	-	-	F027	NAT	MM74C374N
74C901	CMS	INV	HEX INVERTING TTL BUFFER	DIL14P	+5V	80C	-	-	I013	NAT	MM74C901N
74C902	CMS	BUF	HEX NON-INVERTING TTL BUFFER	DIL14P	+5V	80C	-	-	B022	NAT	MM74C902N
74C903	CMS	INV	HEX INVERTING PMOS BUFFER	DIL14P	+5V	80C	-	-	I013	NAT	MM74C903N
74C904	CMS	BUF	HEX NON-INVERTING PMOS BUFFER	DIL14P	+5V	80C	-	-	B022	NAT	MM74C904N
74C905	CMS	XXX	12 BIT SUCCESSIVE APPROXN REG.	DIL24P	+5V	80C	-	-	R048	NAT	MM74C905N
74C906	CMS	BUF	HEX OPEN DRAIN N-CHANNEL BUFFR	DIL14P	+5V	80C	-	-	B022	NAT	MM74C906N
74C907	CMS	BUF	HEX OPEN DRAIN P-CHANNEL BUFFR	DIL14P	+5V	80C	-	-	B022	NAT	MM74C907N
74C908	CMS	DVR	DUAL CMOS 30V DRIVER	DIL8P	+5V	80C	-	-	B023	NAT	MM74C908N
74C909	CMS	CMP	DUAL COMPARATOR	DIL14C	+5V	80C	-	-	Z065	NAT	MM74C909N
74C910	CMS	MEM	256 BIT RAM	DIL18P	+5V	80C	-	700MXNS	S022	NAT	MM74C910N
74C911	CMS	DSP	4 DIGIT DISPLAY CONTROLLER	DIL28P	+5V	80C	-	-	H001	NAT	MM74C911N
74C912	CMS	DSP	6 DIGIT DISPLAY CONTROLLER	DIL28P	+5V	80C	-	-	H002	NAT	MM74C912N
74C913	CMS	DSP	DISPLAY CONTROLLER, 6 DIGIT	DIL24P	+5V	85C	-	-	Z999	NAT	MM74C913N
74C914	CMS	INV	HEX SCHMITT TRIGGER	DIL14P	+5V	80C	-	-	I004	NAT	MM74C914N
74C915	CMS	DCD	7 SEGMENT-TO-BCD CONVERTER	DIL18P	+5V	80C	-	1000MXNS	D031	NAT	MM74C915N
74C917	CMS	DSP	6-DIGIT HEX DISPLAY CONTROLLER	DIL28P	+5V	80C	-	-	H002	NAT	MM74C917N
74C918	CMS	BUF	DUAL CMOS 30V DRIVER	DIL14P	+5V	80C	-	-	B025	NAT	MM74C918N
74C920	CMS	MEM	1024-BIT STATIC SIL-GATE RAM	DIL22P	+5V	80C	-	-	S019	NAT	MM74C920N
74C921	CMS	MEM	RAM,1K=256X4BT,STATIC,COMM I/O	DIL18P	+5V	85C	-	-	S020	NAT	MM74C921N
74C922	CMS	ENC	16-KEY ENCODER	DIL18P	+5V	80C	-	250MXNS	M032	NAT	MM74C922N
74C923	CMS	ENC	20-KEY ENCODER	DIL20C	+5V	80C	-	-	M033	NAT	MM74C923N
74C925	CMS	DSP	4-DIGIT COUNTER MUXED 7SGT OP	DIL16P	+5V	80C	-	-	C049	NAT	MM74C925N
74C926	CMS	DSP	4-DIGIT COUNTER MUXED 7SGT OP	DIL18P	+5V	80C	-	-	C048	NAT	MM74C926N
74C927	CMS	DSP	4-DIGIT COUNTER MUXED 7SGT OP	DIL18P	+5V	80C	-	-	C048	NAT	MM74C927N
74C928	CMS	DSP	4-DIGIT COUNTER MUXED 7SGT OP	DIL18P	+5V	80C	-	-	C048	NAT	MM74C928N
74C929	CMS	MEM	RAM, 1K=1024X1BT,STATIC	DIL16P	+5V	85C	-	-	S010	NAT	MM74C929
74C930	CMS	MEM	RAM,1K=1024X1BT, STATIC	DIL18P	+5V	85C	-	-	S021	NAT	MM74C930
74C932	CMS	CMP	COMPARATOR, PHASE	DIL18P	+5V	85C	-	-	Z066	NAT	MM74C932N
74C935	CMS	ADC	A/D CONVERTER,3.5 DIG, DEC O/P	DIL28C	+5V	85C	-	-	Z067	NAT	MM74C935N1
74C936	CMS	ADC	A/D CONVERTER,3.75DIGIT,DEC OP	DIL24P	+5V	85C	-	-	Z068	NAT	MM74C936N1
74C937	CMS	ADC	A/D CONVERTER	DIL24P	+5V	85C	-	-	Z068	NAT	MM74C937N1
74C938	CMS	ADC	A/D CONVERTER,3.75DIG,DEC OP	DIL24P	+5V	85C	-	-	Z068	NAT	MM74C938N1
74C941	CMS	BUF	BUFFER, 3S, OCTAL	DIL20P	+5V	85C	-	-	B026	NAT	MM74C941N
74C948	CMS	ADC	A/D CVR,BIN OP,8BT,16CH,AN MUX	DIL40P	+5V	85C	-	-	Z069	NAT	MM74C948N
74C949	CMS	ADC	A/D CVR,BIN OP,9BT,8CH,ANL MUX	DIL24C	+5V	85C	-	-	Z070	NAT	MM74C949N
74F SERIES	STL	-	ALTERNATE NAME FOR 74F00 SER	-	-	-	-	-	-	FAS	74F00 SERIES
74F00 SERIES	STL	-	FAMILY TITLE FOR 74F00 SERIES	-	-	-	-	-	-	FAS	74F00 SERIES
74F00DC SER	FST	-	FAIRCHILD "FAST" SCHOTTKY TTL	-	+5V	70C	-	-	-	FAS	-
74F00FC SER	FST	-	FAIRCHILD "FAST" SCHOTTKY TTL	-	+5V	70C	-	-	-	FAS	-
74F00PC SER	FST	-	FAIRCHILD "FAST" SCHOTTKY TTL	-	+5V	70C	-	-	-	FAS	-
74F00DC	FST	NAN	NAND, 2IP, QUAD	DIL14C	+5V	70C	10MA	6MXNS	N001	FAS	-
74F00FC	FST	NAN	NAND, 2IP, QUAD	FLP14	+5V	70C	10MA	6MXNS	N001	FAS	-
74F00PC	FST	NAN	NAND, 2IP, QUAD	DIL14P	+5V	70C	10MA	6MXNS	N001	FAS	-
74F02DC	FST	NOR	NOR, 2IP, QUAD	DIL14C	+5V	70C	13MA	7MXNS	Q001	FAS	-
74F02FC	FST	NOR	NOR, 2IP, QUAD	FLP14	+5V	70C	13MA	7MXNS	Q001	FAS	-
74F02PC	FST	NOR	NOR, 2IP, QUAD	DIL14P	+5V	70C	13MA	7MXNS	Q001	FAS	-
74F04DC	FST	INV	INVERTER, HEX	DIL14C	+5V	70C	15MA	6MXNS	I001	FAS	-
74F04FC	FST	INV	INVERTER, HEX	FLP14	+5V	70C	15MA	6MXNS	I001	FAS	-
74F04PC	FST	INV	INVERTER, HEX	DIL14P	+5V	70C	15MA	6MXNS	I001	FAS	-
74F08DC	FST	AND	AND, 2IP, QUAD	DIL14C	+5V	70C	13MA	7MXNS	A001	FAS	-
74F08FC	FST	AND	AND, 2IP, QUAD	FLP14	+5V	70C	13MA	7MXNS	A001	FAS	-
74F08PC	FST	AND	AND, 2IP, QUAD	DIL14P	+5V	70C	13MA	7MXNS	A001	FAS	-
74F10DC	FST	NAN	NAND, 3IP, TRIPLE	DIL14C	+5V	70C	7.7MA	6MXNS	N004	FAS	-
74F10FC	FST	NAN	NAND, 3IP, TRIPLE	FLP14	+5V	70C	7.7MA	6MXNS	N004	FAS	-
74F10PC	FST	NAN	NAND, 3IP, TRIPLE	DIL14P	+5V	70C	7.7MA	6MXNS	N004	FAS	-
74F11DC	FST	AND	AND, 3IP, TRIPLE	DIL14C	+5V	70C	9.7MA	7MXNS	A003	FAS	-
74F11FC	FST	AND	AND, 3IP, TRIPLE	FLP14	+5V	70C	9.7MA	7MXNS	A003	FAS	-
74F11PC	FST	AND	AND, 3IP, TRIPLE	DIL14P	+5V	70C	9.7MA	7MXNS	A003	FAS	-
74F20DC	FST	NAN	NAND, 4IP, DUAL	DIL14C	+5V	70C	5.1MA	6MXNS	N008	FAS	-
74F20FC	FST	NAN	NAND, 4IP, DUAL	FLP14	+5V	70C	5.1MA	6MXNS	N008	FAS	-
74F20PC	FST	NAN	NAND, 4IP, DUAL	DIL14P	+5V	70C	5.1MA	6MXNS	N008	FAS	-
74F32DC	FST	ORG	OR, 2IP, QUAD	DIL14C	+5V	70C	16MA	7MXNS	O001	FAS	-
74F32FC	FST	ORG	OR, 2IP, QUAD	FLP14	+5V	70C	16MA	7MXNS	O001	FAS	-
74F32PC	FST	ORG	OR, 2IP, QUAD	DIL14P	+5V	70C	16MA	7MXNS	O001	FAS	-
74F64DC	FST	AOI	AOI, 4-2-3-2IP, EXPANDABLE	DIL14C	+5V	70C	4.7MA	7MXNS	Y020	FAS	-
74F64FC	FST	AOI	AOI, 4-2-3-2IP, EXPANDABLE	FLP14	+5V	70C	4.7MA	7MXNS	Y020	FAS	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAK ER	SUBSTITUTE
74F64PC	FST	AOI	AOI, 4-2-3-2IP, EXPANDABLE	DIL14P	+5V	70C	4.7MA	7MXNS	Y020	FAS	-
74F74DC	FST	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	DIL14C	+5V	70C	16MA	100MXMHZ	F008	FAS	-
74F74FC	FST	FFD	FF/D, +EDG TRG.SEP S/R/CK,DUAL	FLP14	+5V	70C	16MA	100MXMHZ	F008	FAS	-
74F74PC	FST	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	DIL14P	+5V	70C	16MA	100MXMHZ	F008	FAS	-
74F86DC	FST	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14C	+5V	70C	-	-	X001	FAS	-
74F86FC	FST	XOR	EXCLUSIVE OR, 2IP, QUAD	FLP14	+5V	70C	-	-	X001	FAS	-
74F86PC	FST	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14P	+5V	70C	-	-	X001	FAS	-
74F109DC	FST	FFJ	FF/J(-K), +ET,SEP S/R/CK, DUAL	DIL1SC	+5V	70C	20MA	125MXMHZ	F021	FAS	-
74F109FC	FST	FFJ	FF/J(-K), +ET,SEP S/R/CK, DUAL	FLP16	+5V	70C	20MA	125MXMHZ	F021	FAS	-
74F109PC	FST	FFJ	FF/J(-K), +ET,SEP S/R/CK, DUAL	DIL16P	+5V	70C	20MA	125MXMHZ	F021	FAS	-
74F112DC	FST	FFJ	FF/JK, NEG ET,SEP S/R/CK, DUAL	DIL16C	+5V	70C	20MA	125TPMHZ	F022	FAS	-
74F112FC	FST	FFJ	PF/JK, NEG ET,SEP S/R/CK, DUAL	FLP16	+5V	70C	20MA	125TPMHZ	F022	FAS	-
74F112PC	FST	FFJ	FF/JK, NEG ET,SEP S/R/CK, DUAL	DIL16P	+5V	70C	-	-	F022	FAS	-
74F138DC	FST	DCD	DECODER/DEMUX,3-8 LN, NO LATCH	DIL16C	+5V	70C	36MA	9TPNS	D006	FAS	-
74F138FC	FST	DCD	DECODER/DEMUX,3-8 LN, NO LATCH	FLP16	+5V	70C	36MA	9TPNS	D006	FAS	-
74F138PC	FST	DCD	DECODER/DEMUX,3-8 LN, NO LATCH	DIL16P	+5V	70C	36MA	9TPNS	D006	FAS	-
74F139DC	FST	DCD	DECODER/DEMUX,2-4 LINE, DUAL	DIL16C	+5V	70C	36MA	9TPNS	D007	FAS	-
74F139FC	FST	DCD	DECODER/DEMUX,2-4 LINE, DUAL	FLP16	+5V	70C	36MA	6TPNS	D007	FAS	-
74F139PC	FST	DCD	DECODER/DEMUX,2-4 LINE, DUAL	DIL16P	+5V	70C	36MA	9TPNS	D007	FAS	-
74F151DC	FST	MUX	MUX/DATA SELECTOR, 8-TO-1 LINE	DIL16C	+5V	70C	22MA	8TPNS	M002	FAS	-
74F151FC	FST	MUX	MUX/DATA SELECTOR, 8-TO-1 LINE	FLP16	+5V	70C	22MA	8TPNS	M002	FAS	-
74F151PC	FST	MUX	MUX/DATA SELECTOR, 8-TO-1 LINE	DIL16P	+5V	70C	22MA	8TPNS	M002	FAS	-
74F153DC	FST	MUX	MUX/DATA SELECTOR,4-1 LIN,DUAL	DIL24C	+5V	70C	20MA	13MXNS	D009	FAS	-
74F153FC	FST	MUX	MUX/DATA SELECTOR,4-1 LIN,DUAL	FLP24	+5V	70C	20MA	13MXNS	D009	FAS	-
74F153PC	FST	MUX	MUX/DATA SELECTOR,4-1 LIN,DUAL	DIL24P	+5V	70C	20MA	13MXNS	D009	FAS	-
74F157DC	FST	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	DIL16C	+5V	70C	23MA	13MXNS	M005	FAS	-
74F157FC	FST	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	FLP16	+5V	70C	23MA	13MXNS	M005	FAS	-
74F157PC	FST	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	DIL16P	+5V	70C	23MA	13MXNS	M005	FAS	-
74F158DC	FST	MUX	MUX/DATA SELECTOR,INV OP 74157	DIL16C	+5V	70C	20MA	6.3TPNS	M006	FAS	-
74F158FC	FST	MUX	MUX/DATA SELECTOR,INV OP.74157	FLP16	+5V	70C	20MA	6.3TPNS	M006	FAS	-
74F158PC	FST	MUX	MUX/DATA SELECTOR,INV OP 74157	DIL16P	+5V	70C	20MA	6.3TPNS	M006	FAS	-
74F160DC	FST	CTR	COUNTER,DEC,4 BIT, SYNC,DRCT R	DIL16C	+5V	70C	70MA	100MXMHZ	C004	FAS	-
74F160FC	FST	CTR	COUNTER,DEC,4 BIT, SYNC,DRCT R	FLP16	+5V	70C	70MA	100MXMHZ	C004	FAS	-
74F160PC	FST	CTR	COUNTER,DEC,4 BIT, SYNC,DRCT R	DIL16P	+5V	70C	70MA	100MXMHZ	C004	FAS	-
74F161DC	FST	CTR	COUNTER, BIN,4 BIT,SYNC,DRCT R	DIL16C	+5V	70C	70MA	100MXMHZ	C004	FAS	-
74F161FC	FST	CTR	COUNTER, BIN,4 BIT,SYNC,DRCT R	FLP16	+5V	70C	70MA	100MXMHZ	C004	FAS	-
74F161PC	FST	CTR	COUNTER, BIN,4 BIT,SYNC,DRCT R	DIL16P	+5V	70C	70MA	100MXMHZ	C004	FAS	-
74F162DC	FST	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	DIL16C	+5V	70C	70MA	100MXMHZ	C005	FAS	-
74F162FC	FST	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	FLP16	+5V	70C	70MA	100MXMHZ	C005	FAS	-
74F162PC	FST	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	DIL16P	+5V	70C	70MA	100MXMHZ	C005	FAS	-
74F163DC	FST	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	DIL16C	+5V	70C	70MA	100MXMHZ	C005	FAS	-
74F163FC	FST	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	FLP16	+5V	70C	70MA	100MXMHZ	C005	FAS	-
74F163PC	FST	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	DIL16P	+5V	70C	70MA	100MXMHZ	C005	FAS	-
74F168DC	FST	CTR	COUNTER,4 BT,DEC,UP/DOWN, SYNC	DIL16C	+5V	70C	75MA	100TPMHZ	C006	FAS	-
74F168FC	FST	CTR	COUNTER,4 BT,DEC,UP/DOWN, SYNC	FLP16	+5V	70C	75MA	100TPMHZ	C006	FAS	-
74F168PC	FST	CTR	COUNTER,4 BT,DEC,UP/DOWN, SYNC	DIL16P	+5V	70C	75MA	100TPMHZ	C006	FAS	-
74F169DC	FST	CTR	COUNTER,UP/DOWN,4 BIT BIN,SYNC	DIL16C	+5V	70C	75MA	100TPMHZ	C006	FAS	-
74F169FC	FST	CTR	COUNTER,UP/DOWN,4 BIT BIN,SYNC	FLP16	+5V	70C	75MA	100TPMHZ	C006	FAS	-
74F169PC	FST	CTR	COUNTER,UP/DOWN,4 BIT BIN,SYNC	DIL16P	+5V	70C	75MA	100TPMHZ	C006	FAS	-
74F175DC	FST	FFD	FF/D, ET,COM R/CK,COMP OP,QUAD	DIL16C	+5V	70C	40MA	110MXMHZ	F026	FAS	-
74F175FC	FST	FFD	FF/D, ET,COM R/CK,COMP OP,QUAD	FLP16	+5V	70C	40MA	110MXMHZ	F026	FAS	-
74F175PC	FST	FFD	FF/D, ET,COM R/CK,COMP OP,QUAD	DIL16P	+5V	70C	40MA	110MXMHZ	F026	FAS	-
74F181DC	FST	ARI	ALU/FUNCTION-GENERATOR,4 BIT	DIL24C	+5V	70C	60MA	12MXNS	Z010	FAS	-
74F181FC	FST	ARI	ALU/FUNCTION GENERATOR,4 BIT	FLP24	+5V	70C	60MA	12MXNS	Z010	FAS	-
74F181PC	FST	ARI	ALU/FUNCTION GENERATOR,4 BIT	DIL24P	+5V	70C	60MA	12MXNS	Z010	FAS	-
74F182DC	FST	LAC	LOOK AHEAD CARRY GENERATOR,4BT	DIL16C	+5V	70C	38MA	5TPNS	Z018	FAS	-
74F182FC	FST	LAC	LOOK AHEAD CARRY GENERATOR,4BT	FLP16	+5V	70C	38MA	5TPNS	Z018	FAS	-
74F182PC	FST	LAC	LOOK AHEAD CARRY GENERATOR,4BT	DIL16P	+5V	70C	38MA	5TPNS	Z018	FAS	-
74F189DC	FST	MEM	RAM, 64=16X4 BIT, 3S INV OP	DIL16C	+5V	70C	86MA	20TPNS	S001	FAS	-
74F189FC	FST	MEM	RAM, 64=16X4 BIT, 3S INV OP	FLP16	+5V	70C	86MA	20TPNS	S001	FAS	-
74F189PC	FST	MEM	RAM, 64=16X4 BIT, 3S INV OP	DIL16P	+5V	70C	86MA	20TPNS	S001	FAS	-
74F190DC	FST	CTR	COUNTER,DEC,UP/DWN,SYNC,PRESET	DIL16C	+5V	70C	76MA	90MXMHZ	C008	FAS	-
74F190FC	FST	CTR	COUNTER,DEC,UP/DWN,SYNC,PRESET	FLP16	+5V	70C	76MA	90MXMHZ	C008	FAS	-
74F190PC	FST	CTR	COUNTER,DEC,UP/DWN,SYNC,PRESET	DIL16P	+5V	70C	76MA	90MXMHZ	C008	FAS	-
74F191DC	FST	CTR	COUNTER, 4 BT HEX, UP/DWN,SYNC	DIL16C	+5V	70C	55MA	90MXMHZ	C008	FAS	-
74F191FC	FST	CTR	COUNTER, 4 BT HEX, UP/DWN,SYNC	FLP16	+5V	70C	55MA	90MXMHZ	C008	FAS	-
74F191PC	FST	CTR	COUNTER, 4 BT HEX, UP/DWN,SYNC	DIL16P	+5V	70C	55MA	90MXMHZ	C008	FAS	-
74F192DC	FST	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	DIL16C	+5V	70C	70MA	90MXMHZ	C009	FAS	-
74F192FC	FST	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	FLP16	+5V	70C	70MA	90MXMHZ	C009	FAS	-
74F192PC	FST	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	DIL16P	+5V	70C	70MA	90MXMHZ	C009	FAS	-
74F193DC	FST	CTR	COUNTER,HEX,UP/DWN,SYNC,2CK,3S	DIL16C	+5V	70C	70MA	90MXMHZ	C009	FAS	-
74F193FC	FST	CTR	COUNTER,HEX,UP/DWN,SYNC,2CK,3S	FLP16	+5V	70C	70MA	90MXMHZ	C009	FAS	-
74F193PC	FST	CTR	COUNTER,HEX,UP/DWN,SYNC,2CK,3S	DIL16P	+5V	70C	70MA	90MXMHZ	C009	FAS	-
74F194DC	FST	SRG	SHIFT REGISTER,4 BIT,L/R, PIPO	DIL16C	+5V	70C	46MA	105MXMHZ	R013	FAS	-
74F194FC	FST	SRG	SHIFT REGISTER,4 BIT,L/R, PIPO	FLP16	+5V	70C	46MA	105MXMHZ	RC13	FAS	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IM.	SPEED	PIN OUTS	MAKER	SUBSTITUTE
74F194PC	FST	SRG	SHIFT REGISTER,4 BIT,L/R, PIPO	DIL16P	+5V	70C	46MA	105MXMHZ	R013	FAS	-
74F240DC	FST	LND	LINE DRIVER,3S,INV,LO EN,OCTAL	DIL20C	+5V	70C	128MA	10TPNS	B004	FAS	-
74F240FC	FST	LND	LINE DRIVER,3S,INV,LO EN,OCTAL	FLP20	+5V	70C	128MA	10TPNS	B004	FAS	-
74F240PC	FST	LND	LINE DRIVER,3S,INV,LO EN,OCTAL	DIL20P	+5V	70C	128MA	10TPNS	B004	FAS	-
74F241DC	FST	LND	LINE DRIVER,3S,DIR,LO EN,OCTAL	DIL20C	+5V	70C	142MA	10TPNS	B005	FAS	-
74F241FC	FST	LND	LINE DRIVER,3S,DIR,LO EN,OCTAL	FLP20	+5V	70C	142MA	10TPNS	B005	FAS	-
74F241PC	FST	LND	LINE DRIVER,3S,DIR,LO EN,OCTAL	DIL20P	+5V	70C	142MA	10TPNS	B005	FAS	-
74F242DC	FST	TRX	TRANSCVR,BUS,BIDIR,INV,3S,QUAD	DIL14C	+5V	70C	142MA	10MXNS	T001	FAS	-
74F242FC	FST	TRX	TRANSCVR,BUS,BIDIR,INV,3S,QUAD	FLP14	+5V	70C	142MA	10MXNS	T001	FAS	-
74F242PC	FST	TRX	TRANSCVR,BUS,BIDIR,INV,3S,QUAD	DIL14P	+5V	70C	142MA	10MXNS	T001	FAS	-
74F243DC	FST	TRX	TRANSCEIVER,BUS,NONINV,3S,QUAD	DIL14C	+5V	70C	142MA	10MXNS	T002	FAS	-
74F243FC	FST	TRX	TRANSCEIVER,BUS,NONINV,3S,QUAD	FLP14	+5V	70C	142MA	10MXNS	T002	FAS	-
74F243PC	FST	TRX	TRANSCEIVER,BUS,NONINV,3S,QUAD	DIL14P	+5V	70C	142MA	10MXNS	T002	FAS	-
74F244DC	FST	LND	LINE DRIVER,3S OP,LO EN, OCTAL	DIL20C	+5V	70C	142MA	10TPNS	B006	FAS	-
74F244FC	FST	LND	LINE DRIVER,3S OP,LO EN, OCTAL	FLP20	+5V	70C	142MA	10TPNS	B006	FAS	-
74F244PC	FST	LND	LINE DRIVER,3S OP,LO EN, OCTAL	DIL20P	+5V	70C	142MA	10TPNS	B006	FAS	-
74F245DC	FST	TRX	TRANSCVR,BUS,NON INV 3S, OCTAL	DIL20C	+5V	70C	200MA	6TPNS	T003	FAS	-
74F245FC	FST	TRX	TRANSCVR,BUS,NON INV 3S, OCTAL	FLP20	+5V	70C	200MA	6TPNS	T003	FAS	-
74F245PC	FST	TRX	TRANSCVR,BUS,NON INV 3S, OCTAL	DIL20P	+5V	70C	200MA	6TPNS	T003	FAS	-
74F251DC	FST	SEL	MUX/DATA SELECTOR,8-1 LINE, 3S	DIL16C	+5V	70C	20MA	16TPNS	M007	FAS	-
74F251FC	FST	SEL	MUX/DATA SELECTOR,8-1 LINE, 3S	FLP16	+5V	70C	20MA	16TPNS	M007	FAS	-
74F251PC	FST	SEL	MUX/DATA SELECTOR,8-1 LINE, 3S	DIL16P	+5V	70C	20MA	16TPNS	M007	FAS	-
74F253DC	FST	SEL	MUX/DATA SELECTR,4-ILN,3S,DUAL	DIL16C	+5V	70C	25MA	8MXNS	M008	FAS	-
74F253FC	FST	SEL	MUX/DATA SELECTR,4-ILN,3S,DUAL	FLP16	+5V	70C	25MA	8MXNS	M008	FAS	-
74F253PC	FST	SEL	MUX/DATA SELECTR,4-ILN,3S,DUAL	DIL16P	+5V	70C	25MA	8MXNS	M008	FAS	-
74F257DC	FST	SEL	MUX/DATA SELECTR,2-ILN,3S,QUAD	DIL16C	+5V	70C	23MA	9MXNS	M009	FAS	-
74F257FC	FST	SEL	MUX/DATA SELECTR,2-ILN,3S,DUAL	FLP16	+5V	70C	23MA	9MXNS	M009	FAS	-
74F257PC	FST	SEL	MUX/DATA SELECTR,2-ILN,3S,QUAD	DIL16P	+5V	70C	23MA	9MXNS	M009	FAS	-
74F258DC	FST	SEL	MUX/DATA SELECTR,INV-OP-74257	DIL16C	+5V	70C	30MA	6.3MXNS	M010	FAS	-
74F258FC	FST	SEL	MUX/DATA SELECTR,INV-OP-74257	FLP16	+5V	70C	30MA	6.3MXNS	M010	FAS	-
74F258PC	FST	SEL	MUX/DATA SELECTR,INV-OP-74257	DIL16P	+5V	70C	30MA	6.3MXNS	M010	FAS	-
74F280DC	FST	PAR	PARITY GENERATOR/CHECKER,9 BIT	DIL14C	+5V	70C	50MA	25MXNS	Z012	FAS	-
74F280FC	FST	PAR	PARITY GENERATOR/CHECKER,9 BIT	FLP14	+5V	70C	50MA	25MXNS	Z012	FAS	-
74F280PC	FST	PAR	PARITY GENERATOR/CHECKER,9 BIT	DIL14P	+5V	70C	50MA	25MXNS	Z012	FAS	-
74F283DC	FST	ADD	ADDER,FULL,4 BT,BIN,FAST CARRY	DIL16C	+5V	70C	60MA	17MXNS	Z013	FAS	-
74F283FC	FST	ADD	ADDER,FULL,4 BT,BIN,FAST CARRY	FLP16	+5V	70C	60MA	17MXNS	Z013	FAS	-
74F283PC	FST	ADD	ADDER,FULL,4 BT,BIN,FAST CARRY	DIL16P	+5V	70C	60MA	17MXNS	Z013	FAS	-
74F289DC	FST	MEM	RAM, 64=16X4 BIT,OC INV OP	DIL16C	+5V	70C	86MA	20TPNS	S001	FAS	-
74F289FC	FST	MEM	RAM, 64=16X4 BIT,OC INV OP	FLP16	+5V	70C	86MA	20TPNS	S001	FAS	-
74F289PC	FST	MEM	RAM, 64=16X4 BIT,OC INV OP	DIL16P	+5V	70C	86MA	20TPNS	S001	FAS	-
74F299DC	FST	SRG	SHIFT REG,8 BIT,L/R SH,3S,PIPO	DIL20C	+5V	70C	-	150TPMHZ	R020	FAS	-
74F299FC	FST	SRG	SHIFT REG,8 BIT,L/R SH,3S,PIPO	FLP20	+5V	70C	-	150TPMHZ	R020	FAS	-
74F299PC	FST	SRG	SHIFT REG,8 BIT,L/R SH,3S,PIPO	DIL20P	+5V	70C	-	150TPMHZ	R020	FAS	-
74F322DC	FST	SRG	SHIFT REG,8 BIT,RIGHT EXTD, 3S	DIL20C	+5V	70C	140MA	9TPNS	R021	FAS	-
74F322FC	FST	SRG	SHIFT REG,8 BIT,RIGHT EXTD, 3S	FLP20	+5V	70C	140MA	9TPNS	R021	FAS	-
74F322PC	FST	SRG	SHIFT REG,8 BIT,RIGHT EXTD, 3S	DIL20P	+5V	70C	140MA	9TPNS	R021	FAS	-
74F323DC	FST	SRG	SHIFT REG,8 BIT,L/R,3S,PIPO	DIL20C	+5V	70C	132MA	9TPNS	R022	FAS	-
74F323FC	FST	SRG	SHIFT REG,8 BIT,L/R,3S,PIPO	FLP20	+5V	70C	132MA	9TPNS	R022	FAS	-
74F323PC	FST	SRG	SHIFT REG,8 BIT,L/R,3S,PIPO	DIL20P	+5V	70C	132MA	9TPNS	R022	FAS	-
74F350DC	FST	ARI	ARITHMETIC UNIT,SHFTER,4 BT,3S	DIL16C	+5V	70C	56MA	4.5TPNS	Z042	FAS	-
74F350FC	FST	ARI	ARITHMETIC UNIT,SHFTER,4 BT,3S	FLP16	+5V	70C	56MA	4.5TPNS	Z042	FAS	-
74F350PC	FST	ARI	ARITHMETIC UNIT,SHFTER,4 BT,3S	DIL16P	+5V	70C	56MA	4.5TPNS	Z042	FAS	-
74F352DC	FST	MUX	MUX/DATA SELECT,4-1LN,INV,DUAL	DIL16C	+5V	70C	16MA	6.3TPNS	M011	FAS	-
74F352FC	FST	MUX	MUX/DATA SELECT,4-1LN,INV,DUAL	FLP16	+5V	70C	16MA	6.3TPNS	M011	FAS	-
74F352PC	FST	MUX	MUX/DATA SELECT,4-1LN,INV,DUAL	DIL16P	+5V	70C	16MA	6.3TPNS	M011	FAS	-
74F353DC	FST	MUX	MUX/DATA SEL,4-1LN,INV,3S,DUAL	DIL16C	+5V	70C	30MA	6.3TPNS	M012	FAS	-
74F353FC	FST	MUX	MUX/DATA SEL,4-1LN,INV,3S,DUAL	FLP16	+5V	70C	30MA	6.3TPNS	M012	FAS	-
74F353PC	FST	MUX	MUX/DATA SEL,4-1LN,INV,3S,DUAL	DIL16P	+5V	70C	30MA	6.3TPNS	M012	FAS	-
74F373FC	FST	LCH	LATCH, LO VOH 74363, OCTAL	FLP20	+5V	125	55MA	11MXNS	L006	FAS	-
74F373DC	FST	LCH	LATCH, LO VOH 74363, OCTAL	DIL20C	+5V	125	55MA	11MXNS	L006	FAS	-
74F373PC	FST	LCH	LATCH, LO VOH 74363, OCTAL	DIL20P	+5V	70C	55MA	11MXNS	L006	FAS	-
74F374DC	FST	FFD	FF/D, LO VOH 74364, OCTAL	DIL20C	+5V	70C	86MA	10MXNS	F027	FAS	-
74F374FC	FST	FFD	FF/D, LO VOH 74364, OCTAL	FLP20	+5V	70C	86MA	10MXNS	F027	FAS	-
74F374PC	FST	FFD	FF/D, LO VOH 74364, OCTAL	DIL20P	+5V	70C	86MA	10MXNS	F027	FAS	-
74F379DC	FST	FFD	FF/D, COMMON ENABLE, QUAD	DIL16C	+5V	70C	54MA	110MXMHZ	R024	FAS	-
74F379FC	FST	FFD	FF/D, COMMON ENABLE, QUAD	FLP16	+5V	70C	54MA	110MXMHZ	R024	FAS	-
74F379PC	FST	FFD	FF/D, COMMON ENABLE, QUAD	DIL16P	+5V	70C	54MA	110MXMHZ	R024	FAS	-
74F381DC	FST	ALU	ALU, FUNCTION GEN,4 BIT, LAHCG	DIL20C	+5V	70C	-	8.5TPNS	Z038	FAS	-
74F381FC	FST	ALU	ALU, FUNCTION GEN,4 BIT, LAHCG	FLP20	+5V	70C	-	8.5TPNS	Z038	FAS	-
74F381PC	FST	ALU	ALU, FUNCTION GEN,4 BIT, LAHCG	DIL20P	+5V	70C	-	8.5TPNS	Z038	FAS	-
74F382DC	FST	ALU	ALU,FUNCTION GEN,4 BT,OVERFLOW	DIL20C	+5V	70C	-	14.5TPNS	Z038	FAS	-
74F382FC	FST	ALU	ALU,FUNCTION GEN,4 BT,OVERFLOW	FLP20	+5V	70C	-	14.5TPNS	Z038	FAS	-
74F382PC	FST	ALU	ALU,FUNCTION GEN,4 BT,OVERFLOW	DIL20P	+5V	70C	-	14.5TPNS	Z038	FAS	-
74F398DC	FST	MUX	MUX,2 IP,LATCH,2 RAIL OP, QUAD	DIL20C	+5V	70C	40MA	150TPMHZ	M018	FAS	-
74F398FC	FST	MUX	MUX,2 IP,LATCH,2 RAIL OP, QUAD	FLP20	+5V	70C	40MA	150TPMHZ	M018	FAS	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
74F398PC	FST	MUX	MUX,2 IP,LATCH,2 RAIL OP, QUAD	DIL20P	+5V	70C	40MA	150TPMHZ	M018	FAS	-
74F399DC	FST	MUX	MUX, 2 IP,LATCH,1 RAIL OP,QUAD	DIL16C	+5V	70C	40MA	150TPMHZ	M019	FAS	-
74F399FC	FST	MUX	MUX, 2 IP,LATCH,1 RAIL OP,QUAD	FLP16	+5V	70C	40MA	150TPMHZ	M019	FAS	-
74F399PC	FST	MUX	MUX, 2 IP,LATCH,1 RAIL OP,QUAD	DIL16P	+5V	70C	40MA	150TPMHZ	M019	FAS	-
74F500DC	FST	ADC	ANALOG DIGITAL CONVERTER,6 BIT	DIL22C	+5V	70C	-	40TPMHZ	Z999	FAS	-
74F500FC	FST	ADC	ANALOG DIGITAL CONVERTER,6 BIT	FLP22	+5V	70C	-	-	Z999	FAS	-
74F500PC	FST	ADC	ANALOG DIGITAL CONVERTER,6 BIT	DIL22P	+5V	70C	-	40TPMHZ	Z999	FAS	-
74F521DC	FST	CMP	COMPARATOR,IDENTITY,8 BIT EXPD	DIL20C	+5V	70C	56MA	7.5TPNS	Z999	FAS	-
74F521FC	FST	CMP	COMPARATOR,IDENTITY,8 BIT EXPD	FLP20	+5V	70C	56MA	7.5TPNS	Z999	FAS	-
74F521PC	FST	CMP	COMPARATOR,IDENTITY,8 BIT EXPD	DIL20P	+5V	70C	56MA	7.5TPNS	Z999	FAS	-
74F524DC	FST	CMP	COMPARATOR,8 BT,WITH REGISTER	DIL20C	+5V	70C	256MA	75TPMHZ	Z999	FAS	-
74F524FC	FST	CMP	COMPARATOR,8 BT,WITH REGISTER	FLP20	+5V	70C	256MA	75TPMHZ	Z999	FAS	-
74F524PC	FST	CMP	COMPARATOR,8 BT,WITH REGISTER	DIL20P	+5V	70C	256MA	75TPMHZ	Z999	FAS	-
74F533DC	FST	LCH	LATCH,TRANSPARENT,3S INV,OCTAL	DIL20C	+5V	70C	70MA	9.2TPNS	L008	FAS	-
74F533FC	FST	LCH	LATCH,TRANSPARENT,3S INV,OCTAL	FLP20	+5V	70C	70MA	9.2TPNS	L008	FAS	-
74F533PC	FST	LCH	LATCH,TRANSPARENT,3S INV,OCTAL	DIL20P	+5V	70C	70MA	9.2TPNS	L008	FAS	-
74F534DC	FST	FFD	FF/D, EDG TRIG,3S INV OP,OCTAL	DIL20C	+5V	70C	110MA	6.5TPNS	F029	FAS	-
74F534FC	FST	FFD	FF/D, EDG TRIG,3S INV OP,OCTAL	FLP20	+5V	70C	110MA	6.5TPNS	F029	FAS	-
74F534PC	FST	FFD	FF/D, EDG TRIG,3S INV OP,OCTAL	DIL20P	+5V	70C	110MA	6.5TPNS	F029	FAS	-
74F537DC	FST	DCD	DECODER,4-10LN,DEMUX, 3S OP	DIL20C	+5V	70C	88MA	14.5MXNS	Z999	FAS	-
74F537FC	FST	DCD	DECODER,4-10LN,DEMUX, 3S OP	FLP20	+5V	70C	88MA	14.5MXNS	Z999	FAS	-
74F537PC	FST	DCD	DECODER,4-10LN,DEMUX, 3S OP	DIL20P	+5V	70C	88MA	14.5MXNS	Z999	FAS	-
74F538DC	FST	DCD	DECODER,3-8LN,DEMUX, 3S OP	DIL20C	+5V	70C	76MA	14.5TPNS	Z999	FAS	-
74F538FC	FST	DCD	DECODER,3-8LN,DEMUX,3S OP	FLP20	+5V	70C	76MA	14.5TPNS	Z999	FAS	-
74F538PC	FST	DCD	DECODER,3-8LN,DEMUX, 3S OP	DIL20P	+5V	70C	76MA	14.5TPNS	Z999	FAS	-
74F539DC	FST	DCD	DECODER,2-4LN,DEMUX,3S OP,DUAL	DIL20C	+5V	70C	84MA	13MXNS	Z999	FAS	-
74F539FC	FST	DCD	DECODER,2-4LN,DEMUX,3S OP,DUAL	FLP20	+5V	70C	84MA	13MXNS	Z999	FAS	-
74F539PC	FST	DCD	DECODER,2-4LN,DEMUX,3S OP,DUAL	DIL20P	+5V	70C	84MA	13MXNS	Z999	FAS	-
74F545DC	FST	TRX	TRANSCEIVER,BIDIRECTIONL,OCTAL	DIL20C	+5V	70C	256MA	6TPNS	Z999	FAS	-
74F545FC	FST	TRX	TRANSCEIVER,BIDIRECTIONL,OCTAL	FLP20	+5V	70C	256MA	6TPNS	Z999	FAS	-
74F545PC	FST	TRX	TRANSCEIVER,BIDIRECTIONL,OCTAL	DIL20P	+5V	70C	256MA	6TPNS	Z999	FAS	-
74F557DC	FST	MLT	MULTIPLIER, 8X8 BIT, 3S, LATCH	DIL40C	+5V	70C	400MA	50TPNS	Z999	FAS	-
74F557FC	FST	MLT	MULTIPLIER, 8X8 BIT, 3S, LATCH	FLP40	+5V	70C	400MA	50TPNS	Z999	FAS	-
74F557PC	FST	MLT	MULTIPLIER, 8X8 BIT, 3S, LATCH	DIL40P	+5V	70C	400MA	50TPNS	Z999	FAS	-
74F558DC	FST	MLT	MULTIPLIER, 8X8 BIT, 3S	DIL40C	+5V	70C	400MA	50TPNS	Z999	FAS	-
74F558FC	FST	MLT	MULTIPLIER, 8X8 BIT, 3S	FLP40	+5V	70C	400MA	50TPNS	Z999	FAS	-
74F558PC	FST	MLT	MULTIPLIER 8X8 BIT, 3S	DIL40P	+5V	70C	400MA	50TPNS	Z999	FAS	-
74F559DC	FST	MLT	MULTIPLIER/DIVIDER,8 BT,EXPDBL	DIL24C	+5V	70C	-	1.6TPUS	Z999	FAS	-
74F559FC	FST	MLT	MULTIPLIER/DIVIDER,8 BT,EXPDBL	FLP24	+5V	70C	-	1.6TPUS	Z999	FAS	-
74F559PC	FST	MLT	MULTIPLIER/DIVIDER,8 BT,EXPDBL	DIL24P	+5V	70C	-	1.6TPUS	Z999	FAS	-
74F568DC	FST	CTR	COUNTER,BCD DEC,UP/DWN,3S,SYNC	DIL20C	+5V	70C	90MA	100TPMHZ	C023	FAS	-
74F568FC	FST	CTR	COUNTER,BCD DEC,UP/DWN,3S,SYNC	FLP20	+5V	70C	90MA	100TPMHZ	C023	FAS	-
74F568PC	FST	CTR	COUNTER,BCD DEC,UP/DWN,3S,SYNC	DIL20P	+5V	70C	90MA	100TPMHZ	C023	FAS	-
74F569DC	FST	CTR	COUNTER,4BT BIN,UP/DWN,3S,SYNC	DIL20G	+5V	70C	90MA	100TPMHZ	C023	FAS	-
74F569FC	FST	CTR	COUNTER,4BT BIN,UP/DWN,3S,SYNC	FLP20	+5V	70C	90MA	100TPMHZ	C023	FAS	-
74F569PC	FST	CTR	COUNTER,4BT BIN,UP/DWN,3S,SYNC	DIL20P	+5V	70C	90MA	100TPMHZ	C023	FAS	-
74F588DC	FST	TRX	TRANSCEIVER,BIDIRECTIONL,OCTAL	DIL20C	+5V	70C	256MA	6TPNS	Z999	FAS	-
74F588FC	FST	TRX	TRANSCEIVER,BIDIRECTIONL,OCTAL	FLP20	+5V	70C	256MA	6TPNS	Z999	FAS	-
74F588PC	FST	TRX	TRANSCEIVER,BIDIRECTIONL,OCTAL	DIL20P	+5V	70C	256MA	6TPNS	Z999	FAS	-
74H SERIES	HTL	-	ALTERNATE NAME FOR 74H00 SER	-	-	-	-	-	-	-	SN74H00 SER
74H00 SERIES	HTL	-	GENERIC TITLE FOR SN74H00N SER	DIL--P	+5V	70C	-	-	-	VAR	SN74H00N SER
74H00 SERIES	HTL	-	SHORT CODE FOR T74H00 SERIES	-	+5V	70C	-	-	-	SGS	T74H00 SERIES
74H00DC SER	HTL	-	HOUSE CODES FOR SN74H00J SER	DIL--C	-	70C	-	-	-	FAS	SN74H00J SER
74H00F SERIES	HTL	-	SHORT CODE FOR N74H00F SERIES	DIL--C	+5V	70C	-	-	-	SIG	SN74H00J SER.
74H00FC	HTL	NAN	NAND. 2IP, QUAD	FLP14	+5V	70C	40MA	10MXNS	N002	FAS	S54H00W
74H00FC SER	HTL	-	HOUSE CODES FOR SN74H00W SER	FLP---	-	70C	-	-	-	FAS	SN74H00W SER
74H00N SERIES	HTL	-	SHORT CODE FOR N74H00N SERIES	DIL--C	+5V	70C	-	-	-	SIG	SN74H00N SER
74H00PC SER	HTL	-	HOUSE CODES FOR SN74H00N SER	DIL--P	-	70C	-	-	-	FAS	SN74H00N SER
74H00W SERIES	HTL	-	SHORT CODE FOR N74H00W SERIES	FLP---	+5V	70C	-	-	-	SIG	SN74H00W SER
74H00	HTL	NAN	QUAD 2-INPUT NAND GATE	DIL14P	+5V	70C	40MA	10MXNS	N001	VAR	SN74H00N
74H01	HTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	70C	40MA	15MXNS	N001	VAR	SN74H01N
74H01FC	HTL	NAN	NAND, 2IP, OC OP, QUAD	FLP14	+5V	70C	40MA	15MXNS	N002	FAS	S54H01W
74H04	HTL	INV	HEX INVERTER	DIL14P	+5V	70C	58MA	10MXNS	I001	VAR	SN74H04N
74H04FC	HTL	INV	INVERTER, HEX	FLP14	+5V	70C	58MA	10MXNS	I002	FAS	S54H04W
74H05	HTL	INV	HEX INVERTER, O/C O/P	DIL14P	+5V	70C	58MA	18MXNS	I001	VAR	SN74H05N
74H05FC	HTL	INV	INVERTER, OC OP, HEX	FLP14	+5V	70C	58MA	18MXNS	I002	FAS	S54H05W
74H08	HTL	BUF	QUAD 2-INPUT AND GATE	DIL14P	+5V	70C	-	-	A001	VAR	DM74H08N
74H08FC	HTL	AND	AND, 2IP, QUAD	FLP	+5V	70C	64MA	12MXNS	A002	FAS	S54H08W
74H10	HTL	NAN	TRIPLE 3-INPUT NAND GATE	DIL14P	+5V	70C	-	-	N004	VAR	SN74H10N
74H10FC	HTL	NAN	NAND, 3IP, TRIPLE	FLP14	+5V	70C	30MA	10MXNS	N005	FAS	S54H10W
74H11	HTL	AND	TRIPLE 3-INPUT AND GATE	DIL14P	+5V	70C	-	-	A003	VAR	SN74H11N
74H11FC	HTL	AND	AND, 3IP, TRIPLE	FLP14	+5V	70C	48MA	12MXNS	A004	FAS	S54H11W
74H15	HTL	AND	TRIPLE 3-IP AND GATE O/C O/P	DIL14P	+5V	70C	-	-	A003	VAR	SN74H15N
74H20	HTL	NAN	DUAL 4-INPUT NAND GATE	DIL14P	+5V	70C	-	-	N008	VAR	SN74H20N
74H20FC	HTL	NAN	NAND, 4IP, DUAL	FLP14C	+5V	70C	20MA	10MXNS	N009	FAS	S54H20W

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAK ER	SUBSTITUTE
74H21	HTL	AND	DUAL 4-INPUT AND GATE	DIL14P	+5V	70C	-	-	A005	VAR	SN74H21N
74H21FC	HTL	AND	AND, 4IP, DUAL	FLP14	+5V	70C	32MA	12MXNS	A006	FAS	S54H21W
74H22	HTL	NAN	DUAL 4-INPUT NAND GATE	DIL14P	+5V	70C	-	-	N008	VAR	SN74H22N
74H22FC	HTL	NAN	NAND, 4IP, OC OP, DUAL	FLP14	+5V	70C	20MA	15MXNS	N009	FAS	S54H22W
74H30	HTL	NAN	8-INPUT NAND GATE	DIL14P	+5V	70C	-	-	N010	VAR	SN74H30N
74H30FC	HTL	NAN	NAND, 8IP	FLP14	+5V	70C	10MA	12MXNS	N011	FAS	S54H30W
74H40	HTL	BUF	DUAL 4-INPUT NAND BUFFER	DIL14P	+5V	70C	-	-	N008	VAR	SN74H40N
74H40FC	HTL	NAN	NAND, BUFFER, 4IP, DUAL	FLP14	+5V	70C	40MA	12MXNS	N009	FAS	S54H40W
74H42	HTL	DCD	BCD-DECIMAL DECODER 4-10 LINE	DIL16P	+5V	70C	-	-	D001	VAR	-
74H50	HTL	AOI	DUAL 2-WIDE 2-INPUT AOI GATES	DIL14P	+5V	70C	-	-	Y001	VAR	SN74H50N
74H50FC	HTL	AOI	AOI, 2IP(1EXPDBLE) 2WIDE, DUAL	FLP14	+5V	70C	24MA	11MXNS	Y002	FAS	S54H50W
74H51	HTL	AOI	DUAL 2-WIDE 2-INPUT AOI GATES	DIL14P	+5V	70C	-	-	Y003	VAR	SN74H51N
74H51FC	HTL	AOI	AOI, 2IP, 2WIDE, DUAL	FLP14	+5V	70C	24MA	11MXNS	Y005	FAS	S54H51W
74H52	HTL	AOR	AND/OR, 2-2-2-3IP, EXPANDABLE	DIL14P	+5V	70C	31MA	15MXNS	Y006	VAR	SN54H52N
74H52FC	HTL	AOR	AND/OR, 2-2-2-3IP, EXPANDABLE	FLP14	+5V	70C	31MA	15MXNS	Y007	FAS	S54H52W
74H53	HTL	AOI	4-WIDE 2-INPUT AOI GATES	DIL14P	+5V	70C	-	-	Y009	VAR	SN74H53N
74H53FC	HTL	AOI	AND/OR INVERT,2-2-2-3IP,EXPDBL	FLP14	+5V	70C	14MA	15MXNS	Y011	FAS	S54H53W
74H54	HTL	AOI	4-WIDE 2-INPUT AOI GATE	DIL14P	+5V	70C	-		Y013	VAR	SN74H54N
74H54FC	HTL	AOI	AND/OR INVERT,2-2-2-3IP	FLP14	+5V	70C	14MA	11MXNS	Y015	FAS	S54H54W
74H55	HTL	AOI	2 WIDE 2IP EXPANDABLE AOI GATE	DIL14P	+5V	70C	-	-	Y017	VAR	SN74H55N
74H55FC	HTL	AOI	AND/OR INVERT,4IP 2WIDE,EXPDBL	FLP14	+5V	70C	11MA	20MXNS	Y019	FAS	S54H55W
74H60	HTL	EXP	DUAL 4-INPUT EXPANDER O/C O/P	DIL14P	+5V	70C	-	-	E001	VAR	SN74H60N
74H60FC	HTL	EXP	EXPANDER, 4IP,OC,FOR AOI, DUAL	FLP14	+5V	70C	4.5MA	-	E002	FAS	S54H60W
74H61	HTL	EXP	EXPANDER,3IP,OC,FOR AOI,TRIPLE	DIL14P	+5V	70C	-	-	E003	VAR	SN74H61N
74H61FC	HTL	EXP	EXPANDER,3IP,OC,FOR AOI,TRIPLE	FLP14	+5V	70C	16MA	-	E004	FAS	S54H61W
74H62	HTL	EXP	EXPANDER,2-2-2-3IP,OC, FOR AO	DIL14P	+5V	70C	-	-	E005	VAR	SN74H62N
74H62FC	HTL	EXP	EXPANDER,2-2-3-3IP,OC,FOR AO	FLP14	+5V	70C	9MA	-	E006	FAS	S54H62W
74H71	HTL	FFJ	FF/JK, MSTR SLVE,AO GTD,S/R/CK	DIL14P	+5V	70C	-	-	F003	VAR	SN74H71N
74H71FC	HTL	FFJ	FF/JK, MSTR SLVE,AO GTD,S/R/CK	FLP14	+5V	70C	30MA	25MXMHZ	F004	FAS	S54H71W
74H72	HTL	FFJ	JK FLIP FLOP, AND-IPS SET+CLR	DIL14P	+5V	70C	-	-	F005	VAR	SN74H72N
74H72FC	HTL	FFJ	FF/JK,MASTER SLVE,A GTD,S/R/CK	FLP14	+5V	70C	25MA	25MXMHZ	F006	FAS	S54H72W
74H73	HTL	FFJ	DUAL JK FLIP FLOP	DIL14P	+5V	70C	-	-	F007	VAR	SN74H73N
74H73A	HTL	FFJ	DUAL JK FLIP FLOP	DIL14P	+5V	70C	-	-	F007	VAR	SN74H73AN
74H73FC	HTL	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	FLP14	+5V	70C	50MA	25MXMHZ	F007	FAS	S54H73W
74H74	HTL	FFD	DUAL D-TYPE FLIP-FLOP	DIL14P	+5V	70C	-	-	F008	VAR	SN74H74N
74H74FC	HTL	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	FLP14	+5V	70C	50MA	35MXMHZ	F009	FAS	S54H74W
74H75	HTL	LCH	QUAD LATCH, BISTABLE	DIL16P	+5V	70C	-	-	L001	VAR	-
74H76	HTL	FFJ	DUAL JK FLIP FLOP	DIL16P	+5V	70C	-	-	F010	VAR	SN74H76N
74H76FC	HTL	FFJ	FF/JK, M-S, SEP S/R/CK, DUAL	FLP16	+5V	70C	50MA	25MXMHZ	F010	FAS	74H76FC
74H78	HTL	FFJ	DUAL JK FLIP FLOP	DIL14P	+5V	70C	-	-	F011	VAR	SN74H78N
74H78FC	HTL	FFJ	FF/JK,M-S,COMM R/CK,SEP S,DUAL	FLP14	+5V	70C	50MA	25MXMHZ	F012	FAS	-
74H87	HTL	XXX	TRUE/COMP,4BT,ZERO/ONE,ELEMENT	DIL14P	+5V	70C	-	-	Z006	VAR	SN74H87N
74H87FC	HTL	XXX	TRUE/COMP,4BT,ZERO/ONE,ELEMENT	FLP14	+5V	70C	89MA	25MXNS	Z006	FAS	-
74H101	HTL	FFJ	JK FLIP FLOP	DIL14P	+5V	70C	-	-	F013	VAR	SN74H101N
74H101FC	HTL	FFJ	FF/JK, NEG ET,S/CK, AO GTD IPS	FLP14	+5V	70C	38MA	40MXMHZ	F014	TII	S54H101W
74H102	HTL	FFJ	JK FLIP FLOP (AND INPUTS)	DIL14P	+5V	70C	-	-	F015	VAR	SN74H102N
74H102FC	HTL	FFJ	FF/JK, NEG ET,R/S/CK,A GTD IPS	FLP14	+5V	70C	38MA	40MXMHZ	F016	FAS	S54H102W
74H103	HTL	FFJ	DUAL JK FLIP FLOP	DIL14P	+5V	70C	-	-	F017	VAR	SN74H103N
74H103FC	HTL	FFJ	FF/JK, NEG ET,SEP R/CK, DUAL	FLP14	+5V	70C	76MA	40MXMHZ	F017	FAS	S54H103W
74H106	HTL	FFJ	DUAL JK FLIP FLOP PRESET + CLR	DIL16P	+5V	70C	-	-	F018	VAR	SN74H106N
74H106FC	HTL	FFJ	FF/JK, NEG ET,SEP S/R/CK, DUAL	FLP16	+5V	70C	76MA	40MXMHZ	F018	FAS	S54H106W
74H108	HTL	FFJ	DUAL JK FLIP FLOP PRESET + CLR	DIL14P	+5V	70C	-	-	F020	VAR	SN74H108N
74H108FC	HTL	FFJ	FF/JK, -ET,COM R/CK,SEP S,DUAL	FLP14	+5V	70C	76MA	40MXMHZ	F020	FAS	-
74H183	HTL	ADD	DUAL CARRY-SAVE FULL ADDER	DIL14P	+5V	70C	-	-	Z011	VAR	SN74H183N
74H183FC	HTL	ADD	ADDER,FULL, CARRY-SAVE, DUAL	FLP14	+5V	70C	75MA	18MXNS	Z011	FAS	-
74L00 SERIES	LTL	-	FAMILY TITLE FOR SN74L00 SER.	-	-	-	-	-	-	-	SN74L00 SER
74L00	LTL	NAN	QUAD 2-INPUT NAND GATE	DIL14P	+5V	70C	2MA	60MXNS	N001	VAR	SN74L00N
74L01	LTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	70C	2MA	90MXNS	N003	VAR	ZN74L01E
74L02	LTL	NOR	NOR, 2IP,QUAD	DIL14P	+5V	70C	2.6MA	60MXNS	Q001	VAR	SN74L02N
74L03	LTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	70C	-	90MXNS	N001	VAR	SN74L03N
74L04	LTL	INV	HEX INVERTER	DIL14P	+5V	70C	3MA	60MXNS	I001	VAR	SN74L04N
74L05	LTL	INV	HEX INVERTER, O/C O/P	DIL14P	+5V	70C	2MA	90MXNS	I001	VAR	DM74L05N
74L08	LTL	AND	QUAD 2-INPUT AND GATE	DIL14P	+5V	70C	-	-	A001	VAR	DM74L08N
74L09	LTL	AND	QUAD 2-INPUT AND GATE, O/C O/P	DIL14P	+5V	70C	-	-	A001	VAR	DM74L09N
74L10	LTL	NAN	TRIPLE 3 INPUT NAND GATE	DIL14P	+5V	70C	-	-	N004	VAR	SN74L10N
74L11	LTL	AND	TRIPLE 3-INPUT AND GATE	DIL14P	+5V	70C	-	-	A003	VAR	DM74L11N
74L20	LTL	NAN	DUAL 4-INPUT NAND GATE	DIL14P	+5V	70C	-	-	N008	VAR	SN74L20N
74L26	LTL	NAN	QUAD 2-INPUT NAND GATE,15V O/C	DIL14P	+5V	70C	-	-	N001	VAR	DM74L26N
74L30	LTL	NAN	8-INPUT NAND GATE	DIL14P	+5V	70C	-	-	N010	VAR	SN74L30N
74L32	LTL	ORG	QUAD 2-INPUT OR GATE	DIL14P	+5V	70C	-	-	O001	VAR	DM74L32N
74L42	LTL	DCD	BCD-DECIMAL DECODER 4-10 LINE	DIL16P	+5V	70C	-	-	D001	VAR	SN74L42N
74L42A	LTL	DCD	BCD-DECIMAL DECODER 4-10 LINE	DIL16P	+5V	70C	-	-	D001	VAR	DM74L42AN
74L43	LTL	DCD	EXCESS-3 DECIMAL DECODER	DIL16P	+5V	70C	-	-	D001	VAR	SN74L43N
74L46	LTL	DCD	BCD-7 SEGMENT DECODER O/C O/P	DIL16P	+5V	70C	-	-	D011	VAR	SN74L46N
74L47	LTL	DCD	BCD-7 SEGMENT DECODER O/C O/P	DIL16P	+5V	70C	-	-	D011	VAR	SN74L47N

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
74L51	LTL	AOI	DUAL 2-WIDE 2-INPUT AOI GATES	DIL14P	+5V	70C	-	-	Y004	VAR	SN74L51N
74L54	LTL	AOI	4-WIDE 2-INPUT AOI GATE	DIL14P	+5V	70C	-	-	Y014	VAR	SN74L54N
74L55	LTL	AOI	2 WIDE 2IP EXPANDABLE AOI GATE	DIL14P	+5V	70C	-	-	Y018	VAR	SN74L55N
74L71	LTL	FFJ	FF/JK, MSTR SLVE,AO GTD,S/R/CK	DIL14P	+5V	70C	-	-	F005	VAR	SN74L71N
74L72	LTL	FFJ	JK FLIP FLOP, AND-IPS SET+CLR	DIL14P	+5V	70C	-	-	F005	VAR	SN74L72N
74L73	LTL	FFJ	DUAL JK FLIP FLOP	DIL14P	+5V	70C	-	-	F007	VAR	SN74L73N
74L73A	LTL	FFJ	DUAL JK FLIP FLOP	DIL14P	+5V	70C	-	-	F007	VAR	SN74L73AN
74L74	LTL	FED	DUAL D-TYPE FLIP-FLOP	DIL14P	+5V	70C	-	-	F008	VAR	SN74L74N
74L75	LTL	LCH	QUAD LATCH, BISTABLE	DIL16P	+5V	70C	-	-	L001	VAR	SN74L75N
74L75A	LTL	LCH	QUAD LATCH, BISTABLE	DIL16P	+5V	70C	-	-	L001	VAR	DM74L75AN
74L77	LTL	LCH	4-BIT BISTABLE LATCH	FLP14	+5V	70C	-	-	L002	VAR	SN74L77T
74L78	LTL	FFJ	DUAL JK FLIP FLOP	DIL14P	+5V	70C	-	-	F012	VAR	SN74L78N
74L85	LTL	CMP	4-BIT COMPARATOR	DIL16P	+5V	70C	-	-	Z005	VAR	SN74L85N
74L86	LTL	XOR	QUAD EXCLUSIVE OR-GATE	DIL14P	+5V	70C	-	-	X001	VAR	SN74L86N
74L90	LTL	CTR	DECADE COUNTER	DIL14P	+5V	70C	-	-	C001	VAR	SN74L90N
74L91	LTL	SRG	8-BIT SHIFT REGISTER, SISO	DIL14P	+5V	70C	-	-	R001	VAR	SN74L91N
74L93	LTL	CTR	4-BIT BINARY COUNTER	DIL14P	+5V	70C	-	-	C020	VAR	SN74L93N
74L95	LTL	SRG	4-BIT SHIFT REGISTER, PIPO	DIL14P	+5V	70C	-	-	R035	VAR	SN74L95N
74L96	LTL	SRG	4-BIT SHIFT REGISTER, PIPO	DIL16P	+5V	70C	-	-	R005	VAR	SN74L96N
74L98	LTL	SEL	DATA SELECTOR,STORAGE REG, 4BT	DIL16P	+5V	70C	-	-	M016	VAR	SN74L98N
74L99	LTL	SRG	4 BIT SHIFT REGISTER	DIL16P	+5V	70C	-	-	R036	VAR	-
74L121	LTL	MON	MONOSTABLE MULTIVIBRATOR	DIL14P	+5V	70C	-	-	U001	VAR	SN74L121N
74L122	LTL	MON	MONOSTABLE MULTIVIBRATOR	DIL14P	+5V	70C	-	-	U002	VAR	SN74L122N
74L123	LTL	MON	DUAL MONOSTABLE MULTI RETRIGG	DIL16P	+5V	70C	-	-	U003	VAR	SN74L123N
74L123A	LTL	MON	DUAL MONOSTABLE MULTI RETRIGG.	DIL16P	+5V	70C	-	-	U003	VAR	DM74L123AN
74L153	LTL	SEL	DUAL 4-TO-1 LINE SELECTOR	DIL16P	+5V	70C	-	-	M004	VAR	SN74L153N
74L154	LTL	DCD	4-TO-16 LINE DECODER	DIL24P	+5V	70C	-	-	D009	VAR	SN74L154N
74L157	LTL	SEL	QUAD 2-TO-1 LINE SELECTOR	DIL16P	+5V	70C	-	-	M005	VAR	SN74L157N
74L157A	LTL	SEL	QUAD 2-TO-1 LINE SELECTOR	DIL16P	+5V	70C	-	-	M005	VAR	SN74L157AN
74L164	LTL	SRG	8-BIT SHIFT REGISTER SIPO	DIL14P	+5V	70C	-	-	R006	VAR	SN74L164N
74L164A	LTL	SRG	8-BIT SHIFT REGISTER SIPO	DIL14P	+5V	70C	-	-	R006	VAR	DM74L164AN
74L165A	LTL	SRF	8-BIT SHIFT REGISTER PISO	DIL16P	+5V	70C	-	-	R007	VAR	DM74L165A
74L192	LTL	CTR	REVERSIBLE DECADE COUNTER	DIL16P	+5V	70C	-	-	C009	VAR	SN74L192N
74L193	LTL	CTR	REVERSIBLE BINARY COUNTER 4BIT	DIL16P	+5V	70C	-	-	C009	VAR	SN74L193N
74LS SERIES	LST	-	ALTERNATE NAME FOR 74LS00 SER	-	-	-	-	-	-	-	SN74LS00 SER
74LS00 SERIES	LST	-	FAMILY TITLE FOR SN74LS00 SER	-	-	-	-	-	-	-	SN74LS00 SER
74LS00DC SER	LST	-	HOUSE CODES FOR SN74LS00J SER	DIL--C	-	70C	-	-	-	FAS	SN74LS00J SER
74LS00F SER	LST	-	SHORT CODE FOR N74LS00F SERIES	DIL--C	+5V	70C	-	-	-	SIG	SN74LS00J SER
74LS00FC SER	LST	-	HOUSE CODES FOR SN74LS00W SER	FLP---	-	70C	-	-	-	FAS	SN74LS00W SER
74LS00J SER	LST	-	ALTERNATE SOURCE SN74LS00J SER	DIL--C	-	70C	-	-	-	RAY	SN74LS00J SER
74LS00N SER	LST	-	SHORT CODE FOR N74LS00N SERIES	DIL--P	+5V	70C	-	-	-	SIG	SN74LS00N SER
74LS00PC SER	LST	-	HOUSE CODES FOR SN74LS00N SER	DIL--P	-	70C	-	-	-	FAS	SN74LS00N SER
74LS00W SER	LST	-	ALTERNATE SOURCE SN74LS00W SER	FLP---	-	70C	-	-	-	RAY	SN74LS00W SER
74LS00W SER	LST	-	SHORT CODE FOR N74LS00W SERIES	FLP---	+5V	70C	-	-	-	SIG	SN74LS00W SER
74LS00	LST	NAN	QUAD 2-INPUT NAND GATE	DIL14P	+5V	70C	4.4MA	15MXNS	N001	VAR	SN74LS00N
74LS00FC	LST	NAN	NAND, 2IP, QUAD	FLP14	+5V	70C	4.4MA	15MXNS	N001	FAS	S54LS001
74LS00N3 SER	LST	-	GENERIC NOS FOR SN74LS00N3 SER	DIL--P	+5V	70C	-	-	-	TII	SN74LS00N3 SR
74LS01	LST	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	70C	4.4MA	32MXNS	N003	VAR	SN74LS01N
74LS02	LST	NOR	NOR, 2IP QUAD	DIL14P	+5V	70C	5.4MA	15MXNS	Q001	VAR	SN74LS02N
74LS02FC	LST	NOR	NOR, 2IP, QUAD	FLP14	+5V	70C	5.4MA	15MXNS	Q001	FAS	S54LS02W
74LS03	LST	NAN	NAND 2IP, OC OP, QUAD	DIL14P	+5V	70C	4.4MA	32MXNS	N001	VAR	SN74LS03N
74LS03FC	LST	NAN	NAND 2IP, OC OP QUAD	FLP14	+5V	70C	4.4MA	32MXNS	N001	FAS	S54LS03W
74LS04	LST	INV	HEX INVERTER	DIL14P	+5V	70C	6.6MA	15MXNS	I001	VAR	SN74LS04N
74LS04FC	LST	INV	INVERTER HEX	FLP14	+5V	70C	6.6MA	15MXNS	I001	FAS	S54LS04W
74LS05	LST	INV	HEX INVERTER, O/C O/P	DIL14P	+5V	70C	6.6MA	32MXNS	I001	VAR	74LS05PC
74LS05F	LST	INV	INVERTER OC OP HEX	FLP14	+5V	70C	6.6MA	32MXNS	I001	FAS	S54LS05W
74LS05PC	LST	INV	INVERTER, OC OP, HEX	DIL14P	+5V	70C	6.6MA	32MXNS	I001	FAS	DM74LS05N
74LS06	LST	INV	HEX INVERTER BUFFER, 30V OC OP	DIL14P	+5V	70C	-	-	I001	VAR	-
74LS08	LST	AND	QUAD 2-INPUT AND GATE	DIL14P	+5V	70C	-	-	A001	VAR	SN74LS08N
74LS08FC	LST	AND	AND 2IP QUAD	FLP14	+5V	70C	8.8MA	20MXNS	A001	FAS	S54LS08W
74LS09	LST	AND	QUAD 2-INPUT AND GATE, O/C O/P	DIL14P	+5V	70C	-	-	A001	VAR	SN74LS09N
74LS09FC	LST	AND	AND, 2IP, OC OP, QUAD	FLP14	+5V	70C	8.8MA	35MXNS	A001	FAS	S54LS09W
74LS10	LST	NAN	TRIPLE 3-INPUT NAND GATE	DIL14P	+5V	70C	-	-	N004	VAR	SN74LS10N
74LS10FC	LST	NAN	NAND, 3IP, TRIPLE	FLP14	+5V	70C	3.3MA	15MXNS	N004	FAS	S54LS10W
74LS11	LST	AND	TRIPLE 3-INPUT AND GATE	DIL14P	+5V	70C	-	-	A003	VAR	SN74LS11N
74LS11FC	LST	AND	AND, 3IP, TRIPLE	FLP14	+5V	70C	6.6MA	20MXNS	A003	FAS	S54LS11W
74LS12	LST	NAN	TRIPLE 3-INPUT NAND GATE,OC OP	DIL14P	+5V	70C	-	-	N004	VAR	SN74LS12N
74LS13	LST	NAN	DUAL 4-INPUT NAND GATE,SCHMITT	DIL14P	+5V	70C	-	-	N007	VAR	DM74LS13N
74LS14	LST	INV	HEX INVERTER, SCHMITT	DIL14P	+5V	70C	-	-	I004	VAR	SN74LS14N
74LS14FC	LST	SCH	INVERTER, SCHMITT, HEX	FLP14	+5V	70C	21MA	22MXNS	I004	FAS	DM74L114W
74LS15	LST	AND	TRIPLE 3-IP AND GATE O/C O/P	DIL14P	+5V	70C	-	-	A003	VAR	SN74LS15N
74LS15FC	LST	AND	AND, 3IP, OC OP TRIPLE	FLP14	+5V	70C	6.6MA	35MXNS	A003	FAS	S54LS15W
74LS20	LST	NAN	DUAL 4-INPUT NAND GATE	DIL14P	+5V	70C	-	-	N008	VAR	SN74LS20N
74LS20FC	LST	NAN	NAND, 4IP, DUAL	FLP14	+5V	70C	2.2MA	15MXNS	N008	FAS	S54LS20W
74LS21	LST	AND	DUAL 4-INPUT AND GATE	DIL14P	+5V	70C	-	-	A005	SYL	SN74LS21N

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
74LS21FC	LST	AND	AND, 4IP DUAL	FLP14	+5V	70C	4 4MA	20MXNS	A005	FAS	S54LS21W
74LS22	LST	NAN	DUAL 4-INPUT NAND GATE,O/C O/P	DIL14P	+5V	70C	-	-	N008	VAR	SN74LS22N
74LS22FC	LST	NAN	NAND, 4IP, OC OP, DUAL	FLP14	+5V	70C	2 2MA	32MXNS	N008	FAS	S54LS22W
74LS26	LST	NAN	QUAD 2-INPUT NAND GATE,15V O/C	DIL14P	+5V	70C	-	-	N001	VAR	SN74LS26N
74LS26FC	LST	NAN	NAND, 2IP OC 15V OP QUAD	FLP14	+5V	70C	4 4MA	32MXNS	N001	FAS	S54LS26W
74LS27	LST	NOR	TRIPLE 3-INPUT NOR GATE	DIL14P	+5V	70C	-	-	Q005	VAR	SN74LS27N
74LS27FC	LST	NOR	NOR 3IP, TRIPLE	FLP14	+5V	70C	6 8MA	15MXNS	Q005	FAS	S54LS27W
74LS28	LST	BUF	QUAD 2-INPUT NOR BUFFER	DIL14P	+5V	70C	-	-	Q001	VAR	SN74LS28N
74LS28FC	LST	NOR	NOR, BUFFER 2IP, QUAD	FLP14	+5V	70C	14MA	24MXNS	Q001	FAS	S54LS28W
74LS30	LST	NAN	8-INPUT NAND GATE	DIL14P	+5V	70C	-	-	N010	VAR	SN74LS30N
74LS30FC	LST	NAN	NAND, 8IP	FLP14	+5V	70C	1 1MA	20MXNS	N010	FAS	S54LS30W
74LS32	LST	ORG	QUAD 2-INPUT OR GATE	DIL14P	+5V	70C	-	-	O001	VAR	SN74LS32J
74LS32FC	LST	ORG	OR 2IP, QUAD	FLP14	+5V	70C	9 8MA	22MXNS	O001	FAS	S54LS32W
74LS33	LST	BUF	QUAD 2-INPUT NOR BUFFER,O/C OP	DIL14P	+5V	70C	-	-	Q001	VAR	SN74LS33N
74LS33FC	LST	NOR	NOR, 2IP, OC OP, QUAD	FLP14	+5V	70C	14MA	32MXNS	Q001	FAS	S54LS33W
74LS37	LST	BUF	QUAD 2-INPUT NAND BUFFER	DIL14P	+5V	70C	-	-	N001	VAR	SN74LS37N
74LS37FC	LST	NAN	NAND, BUFFER, 2IP, QUAD	FLP14	+5V	70C	12MA	24MXNS	N001	FAS	S54LS37W
74LS38	LST	BUF	QUAD 2-INPUT NAND BUFFER,OC OP	DIL14P	+5V	70C	-	-	N001	VAR	SN74LS38N
74LS38FC	LST	NAN	NAND, BUFFER, 2IP, OC OP, QUAD	FLP14	+5V	70C	12MA	32MXNS	N001	FAS	S54LS38W
74LS40	LST	BUF	DUAL 4-INPUT NAND BUFFER	DIL14P	+5V	70C	-	-	N008	VAR	SN74L40N
74LS40FC	LST	NAN	NAND, BUFFER, 4IP, DUAL	FLP14	+5V	70C	6MA	24MXNS	N008	FAS	S54LS40W
74LS42	LST	DCD	BCD-DECIMAL DECODER 4-10 LINE	DIL16P	+5V	70C	-	-	D001	VAR	SN74LS42N
74LS42FC	LST	DCD	DECODER, BCD-DECIMAL,4-10 LINE	FLP16	+5V	70C	13MA	30MXNS	D001	FAS	S54LS42W
74LS47	LST	DCD	BCD-7 SEGMENT DECODER O/C O/P	DIL16P	+5V	70C	-	-	D011	VAR	SN74LS47N
74LS47FC	LST	DSP	DECODER/DRIVER,BCD-7SGT,OC 30V	FLP16	+5V	70C	13MA	100MXNS	D011	FAS	74LS47FC
74LS48	LST	DCD	BCD-7 SEGMENT DECODER	DIL16P	+5V	70C	-	-	D011	VAR	74LS48PC
74LS48FC	LST	DSP	DECODER,BCD-7SGT,INTERN PULLUP	FLP16	+5V	70C	38MA	100MXNS	D011	FAS	DM74LS48W
74LS48PC	LST	DSP	DECODER,BCD-7SGT,INTERN PULLUP	DIL16P	+5V	70C	38MA	100MXNS	D011	FAS	DM74LS48N
74LS49	LST	DCD	BCD-7 SEGMENT DECODER, O/C O/P	DIL16P	+5V	70C	-	-	D004	VAR	74LS49PC
74LS49PC	LST	DSP	DECODER,BCD-7SGT,OC, ACT HI	DIL16P	+5V	70C	15MA	100MXNS	D004	FAS	DM54LS49N
74LS51	LST	AOI	DUAL 2-WIDE 2-INPUT AOI GATES	DIL14P	+5V	70C	-	-	Y004	VAR	SN74LS51N
74LS51FC	LST	AOI	AOI, 2IP, 2WIDE, DUAL	FLP14	+5V	70C	2 8MA	20MXNS	Y004	FAS	S54LS51W
74LS54	LST	AOI	4-WIDE 2-INPUT AOI GATE	DIL14P	+5V	70C	-	-	Y013	VAR	SN74LS54N
74LS54FC	LST	AOI	AND/OR INVERT,2-2-2-3IP	FLP14	+5V	70C	2MA	20MXNS	Y013	FAS	S54LS54W
74LS55	LST	AOI	2 WIDE 2IP EXPANDABLE AOI GATE	DIL14P	+5V	70C	-	-	Y017	VAR	SN74LS55N
74LS55FC	LST	AOI	AND/OR INVERT,4IP 2WIDE,EXPDBL	FLP14	+5V	70C	1 3MA	20MXNS	Y017	FAS	S54LS55W
74LS63	LST	XXX	CURRENT SENSING GATE,IFACE,HEX	DIL14P	+5V	70C	-	-	B015	VAR	SN74LS63N
74LS73	LST	FFJ	DUAL JK FLIP FLOP	DIL14P	+5V	70C	-	-	F007	VAR	SN74LS73N
74LS73A	LST	FFJ	DUAL JK FLIP FLOP	DIL14P	+5V	70C	-	-	F007	VAR	SN74LS73AN
74LS73FC	LST	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	FLP14C	+5V	70C	8MA	30MXMHZ	F007	FAS	S54LS73W
74LS74	LST	FFD	DUAL D-TYPE FLIP-FLOP	DIL14P	+5V	70C	-	-	F008	VAR	SN74LS74N
74LS74A	LST	FFD	DUAL D-TYPE FLIP-FLOP	DIL14P	+5V	70C	-	-	F008	VAR	MC74LS74AP
74LS74FC	LST	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	FLP14	+5V	70C	8MA	30MXMHZ	F008	FAS	S54LS74W
74LS75	LST	LCH	QUAD LATCH, BISTABLE	DIL16P	+5V	70C	-	-	L001	VAR	SN74LS75N
74LS76	LST	FFJ	DUAL JK FLIP FLOP	DIL16P	+5V	70C	-	-	F010	VAR	SN74LS76N
74LS76A	LST	FFJ	DUAL JK FLIP FLOP	DIL16P	+5V	70C	-	-	F010	VAR	SN74LS76AN
74LS76AFC	LST	FFJ	FF/JK, M-S, SEP S/R/CK, DUAL	FLP16	+5V	70C	6MA	30MXMHZ	F010	FAS	-
74LS77	LST	LCH	4-BIT BISTABLE LATCH	FLP14	+5V	70C	-	-	L002	VAR	-
74LS78	LST	FFJ	DUAL JK FLIP FLOP	DIL14P	+5V	70C	-	-	F012	VAR	SN74LS78N
74LS78A	LST	FFJ	DUAL JK FLIP FLOP	DIL14P	+5V	70C	-	-	F012	VAR	SN74LS78AN
74LS78FC	LST	FFJ	FF/JK,M-S,COMM R/CK,SEP S,DUAL	FLP14	+5V	70C	8MA	30MXMHZ	F012	FAS	S54LS78W
74LS83	LST	ADD	4-BIT BINARY FULL ADDER	DIL16P	+5V	70C	-	-	Z004	VAR	SN74LS83AN
74LS83A	LST	ADD	4-BIT BINARY FULL ADDER	DIL16P	+5V	70C	-	-	Z004	VAR	SN74LS83AN
74LS83AFC	LST	ADD	ADDER,FULL,4BT BINARY,FST CRRY	FLP16	+5V	70C	34MA	24MXNS	Z004	FAS	-
74LS85	LST	CMP	4-BIT COMPARATOR	DIL16P	+5V	70C	-	-	Z005	VAR	SN74LS85N
74LS85FC	LST	CMP	COMPARATOR, MAGNITUDE, 4 BIT	FLP16	+5V	70C	20MA	45MXNS	Z005	FAS	S54LS85W
74LS86	LST	XOR	QUAD EXCLUSIVE OR-GATE	DIL14P	+5V	70C	-	-	X001	VAR	SN74LS86N
74LS86FC	LST	XOR	EXCLUSIVE OR, 2IP, QUAD	FLP14	+5V	70C	10MA	30MXNS	X001	FAS	S54LS86W
74LS89	LST	MEM	64-BIT RANDOM ACCESS MEMORY	DIL16P	+5V	70C	-	-	S001	VAR	74LS89PC
74LS89DC	LST	MEM	RAM, 64=16X4 BIT, OC OP	DIL16C	+5V	70C	40MA	60MXNS	S001	FAS	N74LS89F
74LS89FC	LST	MEM	RAM, 64=16X4 BIT, OC OP	FLP16	+5V	70C	40MA	60MXNS	S001	FAS	-
74LS89PC	LST	MEM	RAM, 64=16X4 BIT, OC OP	DIL16P	+5V	70C	40MA	60MXNS	S001	FAS	N74LS89N
74LS90	LST	CTR	DECADE COUNTER	DIL14P	+5V	70C	-	-	C001	VAR	SN74LS90N
74LS90A	LST	CTR	DECADE COUNTER	DIL14P	+5V	70C	-	-	C001	VAR	-
74LS90FC	LST	CTR	COUNTER, DECADE,2X5 DIV,RIPPLE	FLP14	+5V	70C	15MA	16MXMHZ	C001	FAS	S54LS90W
74LS91	LST	SRG	8-BIT SHIFT REGISTER, SISO	DIL14P	+5V	70C	-	-	R001	VAR	SN74LS91N
74LS92	LST	CTR	DIVIDE BY 12 COUNTER	DIL14P	+5V	70C	-	-	C002	VAR	SN74LS92N
74LS92FC	LST	CTR	COUNTER, DUODECIMAL,2X6 DIVIDE	FLP14	+5V	70C	15MA	16MXMHZ	C002	FAS	S54LS92W
74LS93	LST	CTR	4-BIT BINARY COUNTER	DIL14P	+5V	70C	-	-	C003	VAR	SN74LS93N
74LS93FC	LST	CTR	COUNTER,4BT BIN,2X8 DIV,RIPPLE	FLP14	+5V	70C	15MA	16MXMHZ	C003	FAS	S54LS93W
74LS95	LST	SRG	4-BIT SHIFT REGISTER, PIPO	DIL14P	+5V	70C	-	-	R004	VAR	SN74LS95BN
74LS95A	LST	SRG	4-BIT SHIFT REGISTER, PIPO	DIL14P	+5V	70C	-	-	R004	VAR	SN74LS95BN
74LS95B	LST	SRG	4-BIT SHIFT REGISTER, PIPO	DIL14P	+5V	70C	-	-	R004	VAR	SN74LS95BN
74LS95BFC	LST	SRG	SHIFT REG,4BIT,L/R SHIFT, PIPO	FLP14	+5V	70C	21MA	25MXMHZ	R004	FAS	-
74LS96	LST	SRG	5-BIT SHIFT REGISTER, PIPO	DIL16P	+5V	70C	-	-	R005	VAR	SN74LS96N

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
74LS107	LST	FFJ	DUAL JK FLIP FLOP WITH CLEAR	DIL14P	+5V	70C	-	-	F018	VAR	SN74LS107N
74LS107A	LST	FFJ	DUAL JK FLIP FLOP WITH CLEAR	DIL14P	+5V	70C	-	-	F018	VAR	SN74LS107AN
74LS107FC	LST	FFJ	FF/JK, M-S, SEP R/CK, DUAL	FLP14	+5V	70C	8MA	30MXMHZ	F018	FAS	S54LS107W
74LS109	LST	FFJ	DUAL JK FLIP FLOP PRESET+CLEAR	DIL16P	+5V	70C	-	-	F021	VAR	DM74LS109N
74LS109FC	LST	FFJ	FF/J(-K), +ET,SEP S/R/CK, DUAL	FLP16	+5V	70C	8MA	30MXMHZ	F021	FAS	S54LS109W
74LS112	LST	FFJ	DUAL JK FLIP FLOP PRESET+CLEAR	DIL16P	+5V	70C	-	-	F022	VAR	SN74LS112N
74LS112A	LST	FFJ	DUAL JK FLIP FLOP PRESET+CLEAR	DIL16P	+5V	70C	-	-	F022	VAR	SN74LS112AN
74LS112FC	LST	FFJ	FF/JK, NEG ET,SEP S/R/CK, DUAL	FLP16	+5V	70C	8MA	30MXMHZ	F022	FAS	S54LS112W
74LS113	LST	FFJ	DUAL JK FLIP FLOP WITH PRESET	DIL14P	+5V	70C	-	-	F023	VAR	SN74LS113N
74LS113FC	LST	FFJ	FF/JK,(-)ET,SEP S/CK,NO R,DUAL	FLP14	+5V	70C	8MA	30MXMHZ	F023	FAS	S54LS113W
74LS114	LST	FFJ	DUAL JK FLIP FLOP PRESET+CLEAR	DIL14P	+5V	70C	-	-	F024	VAR	SN74LS114N
74LS114A	LST	FFJ	DUAL JK FLIP FLOP PRESET+CLEAR	DIL14P	+5V	70C	-	-	F024	VAR	SN74LS114AN
74LS114FC	LST	FFJ	FF/JK, -ET,COM R/CK,SEP S,DUAL	FLP14	+5V	70C	8MA	30MXMHZ	F024	FAS	S54LS114W
74LS122	LST	MON	MONOSTABLE MULTIVIBRATOR	DIL14P	+5V	70C	-	-	U002	VAR	SN74LS122N
74LS123	LST	MON	DUAL MONOSTABLE MULTI RETRIGG	DIL16P	+5V	70C	-	-	U003	VAR	SN74LS123N
74LS124	LST	VCO	DUAL VOLTAGE CONTROLLED OSC	DIL16P	+5V	70C	-	-	V001	VAR	SN74LS124N
74LS125	LST	BUF	QUAD 3-STATE BUFFER	DIL14P	+5V	70C	-	-	B002	VAR	SN74LS125AN
74LS125A	LST	BUF	QUAD 3-STATE BUFFER	DIL14P	+5V	70C	-	-	B002	VAR	SN74LS125AN
74LS125AFC	LST	LND	LINE DRIVER, 3S OP,LO EN, QUAD	FLP14	+5V	70C	20MA	25MXNS	B002	FAS	-
74LS126	LST	BUF	QUAD 3-STATE BUFFER	DIL14P	+5V	70C	-	-	B003	VAR	74LS126PC
74LS126A	LST	BUF	QUAD 3-STATE BUFFER	DIL14P	+5V	70C	-	-	B003	VAR	SN74LS126AN
74LS126DC	LST	LND	LINE DRIVER, 3S OP,HI EN, QUAD	DIL14C	+5V	70C	24MA	30MXNS	B003	FAS	DM74LS126J
74LS126FC	LST	LND	LINE DRIVER, 3S OP,HI EN, QUAD	FLP14	+5V	70C	24MA	30MXNS	B003	FAS	S54LS126W
74LS126PC	LST	LND	LINE DRIVER, 3S OP,HI EN, QUAD	DIL14P	+5V	70C	24MA	30MXNS	B003	FAS	DM74LS126N
74LS132	LST	NAN	QUAD 2-INPUT NAND SCHMITT	DIL14P	+5V	70C	-	-	N001	VAR	SN74LS132N
74LS132FC	LST	SCH	NAND, 2IP,SCHMITT, QUAD	FLP14	+5V	70C	14MA	22MXNS	N001	FAS	-
74LS133	LST	NAN	13-INPUT NAND GATE	DIL16P	+5V	70C	-	-	N012	VAR	74LS133PC
74LS133DC	LST	NAN	NAND, 13IP	DIL16C	+5V	70C	1.1MA	38MXNS	N012	FAS	-
74LS133FC	LST	NAN	NAND, 13IP	FLP16	+5V	70C	1.1MA	38MXNS	N012	FAS	-
74LS133PC	LST	NAN	NAND, 13IP	DIL16P	+5V	70C	1.1MA	38MXNS	N012	FAS	-
74LS136	LST	XOR	QUAD EXCLUSIVE OR O/C O/P	DIL14P	+5V	70C	-	-	X001	VAR	SN74LS136N
74LS136FC	LST	ZOR	EXCLUSIVE OR, OC OP, QUAD	FLP14	+5V	70C	99MA	15MXNS	X001	FAS	S54LS136W
74LS137	LST	DCD	3-TO-8 LINE DECODER/DEMUX/LCHS	DIL16P	+5V	70C	-	-	D005	VAR	SN74LS137N
74LS138	LST	DCD	3-TO-8 LINE DECODER/DEMUX	DIL16P	+5V	70C	-	-	D006	VAR	SN74LS138N
74LS138FC	LST	DCD	DECODER/DEMUX,3-8 LN, NO LATCH	FLP16	+5V	70C	10MA	41MXNS	D006	FAS	S54LS138W
74LS139	LST	DCD	DUAL 2-TO-4 LINE DECODER/DEMUX	DIL16P	+5V	70C	-	-	D007	VAR	SN74LS139N
74LS139FC	LST	DCD	DECODER/DEMUX,2-4 LINE, DUAL	FLP16	+5V	70C	11MA	38MXNS	D007	FAS	S54LS139W
74LS145	LST	DCD	BCD DECIMAL DECDR/DRVR O/C 15V	DIL16P	+5V	70C	-	-	D001	VAR	SN74LS145N
74LS147	LST	ENC	10-TO-4 LINE PRIORITY ENCODER	DIL16P	+5V	70C	-	-	M017	VAR	SN74LS147N
74LS148	LST	ENC	8-TO-3 LINE PRIORITY ENCODER	DIL16P	+5V	70C	-	-	M015	VAR	SN74LS148N
74LS151	LST	SEL	8 BIT DATA SELECTOR	DIL16P	+5V	70C	-	-	M002	VAR	SN74LS151N
74LS151FC	LST	MUX	MUX/DATA SELECTOR, 8-TO-1 LINE	FLP16	+5V	70C	10MA	43MXNS	M002	FAS	S54LS151W
74LS152FC	LST	MUX	MUX/DATA SELECTOR,14 PIN 74151	FLP14	+5V	70C	9MA	32MXNS	M003	FAS	-
74LS153	LST	SEL	DUAL 4-TO-1 LINE SELECTOR	DIL16P	+5V	70C	-	-	M004	VAR	SN74LS153N
74LS153FC	LST	MUX	MUX/DATA SELECTOR,4-1 LIN,DUAL	FLP16	+5V	70C	10MA	38MXNS	M004	FAS	S54LS153W
74LS154	LST	DCD	4-TO-16 LINE DECODER	DIL24P	+5V	70C	-	-	D009	VAR	SN74LS154N
74LS155	LST	DCD	DUAL 2-TO-4 LINE DECODER	DIL16P	+5V	70C	-	-	D010	VAR	SN74LS155N
74LS155FC	LST	DCD	DECODER/DEMUX,2-TO-4 LINE,DUAL	FLP16	+5V	70C	10MA	30MXNS	D010	FAS	S54LS155W
74LS156	LST	DCD	DUAL 2-TO-4 LINE DECODER O/C	DIL16P	+5V	70C	-	-	D010	VAR	SN74LS156N
74LS156FC	LST	DCD	DECODER/DEMUX,2-4 LINE,OC,DUAL	FLP16	+5V	70C	10MA	51MXNS	D010	FAS	S54LS156W
74LS157	LST	SEL	QUAD 2-TO-1 LINE SELECTOR	DIL16P	+5V	70C	-	-	M005	VAR	SN74LS157N
74LS157FC	LST	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	FLP16	+5V	70C	16MA	24MXNS	M005	FAS	S54LS157W
74LS158	LST	SEL	QUAD 2-TO-1 LN SELECTOR INV	DIL16P	+5V	70C	-	-	M006	VAR	SN74LS158N
74LS158FC	LST	MUX	MUX/DATA SELECTOR,INV OP 74157	FLP16	+5V	70C	8MA	24MXNS	M006	FAS	S54LS158W
74LS160	LST	CTR	SYNCHRONOUS DECADE COUNTER	DIL16P	+5V	70C	-	-	C004	VAR	74LS160PC
74LS160A	LST	CTR	SYNCHRONOUS DECADE COUNTER	DIL16P	+5V	70C	-	-	C004	VAR	SN74LS160AN
74LS160AFC	LST	CTR	COUNTER,DEC,4 BIT, SYNC,DRCT R	FLP16C	+5V	70C	32MA	25MXMHZ	C004	FAS	S54LS160AW
74LS160DC	LST	CTR	COUNTER,DEC,4 BIT, SYNC,DRCT R	DIL16C	+5V	70C	32MA	25MXMHZ	C004	FAS	DM74LS160J
74LS160PC	LST	CTR	COUNTER,DEC,4 BIT, SYNC,DRCT R	DIL16P	+5V	70C	32MA	25MXMHZ	C004	FAS	DM74LS160N
74LS161	LST	CTR	SYNCHRONOUS BINARY COUNTER 4BT	DIL16P	+5V	70C	-	-	C004	VAR	SN74LS161N
74LS161A	LST	CTR	SYNCHRONOUS BINARY COUNTER 4BT	DIL16P	+5V	70C	-	-	C004	VAR	SN74LS161AN
74LS161AFC	LST	CTR	COUNTER, BIN,4 BIT,SYNC,DRCT R	FLP16	+5V	70C	32MA	25MXMHZ	C004	FAS	S54LS161AW
74LS161DC	LST	CTR	COUNTER, BIN,4 BIT,SYNC,DRCT R	DIL16C	+5V	70C	32MA	25MXMHZ	C004	FAS	DM74LS161J
74LS161PC	LST	CTR	COUNTER, BIN,4 BIT,SYNC,DRCT R	DIL16P	+5V	70C	32MA	25MXMHZ	C004	FAS	DM74LS161N
74LS162	LST	CTR	SYNCHRONOUS DECADE COUNTER	DIL16P	+5V	70C	-	-	C005	VAR	SN74LS162N
74LS162A	LST	CTR	SYNCHRONOUS DECADE COUNTER	DIL16P	+5V	70C	-	-	C005	VAR	SN74LS162AN
74LS162FC	LST	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	FLP16	+5V	70C	32MA	25MXMHZ	C005	FAS	S54LS162AW
74LS163	LST	CTR	SYNCHRONOUS BINARY COUNTER 4BT	DIL16P	+5V	70C	-	-	C005	VAR	74LS163PC
74LS163A	LST	CTR	SYNCHRONOUS BINARY COUNTER 4BT	DIL16P	+5V	70C	-	-	C005	VAR	SN74LS163AN
74LS163DC	LST	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	DIL16C	+5V	70C	32MA	25MXMHZ	C005	FAS	DM74LS163J
74LS163FC	LST	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	FLP16	+5V	70C	32MA	25MXMHZ	C005	FAS	S54LS163AW
74LS163PC	LST	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	DIL16P	+5V	70C	32MA	25MXMHZ	C005	FAS	DM74LS163N
74LS164	LST	SRG	8-BIT SHIFT REGISTER SIPO	DIL14P	+5V	70C	-	-	R006	VAR	SN74LS164N
74LS164FC	LST	SRG	SHIFT REGISTER, 8 BIT, SIPO	FLP14	+5V	70C	27MA	25MXMHZ	R006	FAS	S54LS164W
74LS165	LST	SRG	8-BIT SHIFT REGISTER PISO	DIL16P	+5V	70C	-	-	R007	VAR	SN74LS165N

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAK ER	SUBSTITUTE
74LS165FC	LST	SRG	SHIFT REGISTER, 8 BIT, PISO	FLP16	+5V	70C	36MA	25MXMHZ	R007	FAS	-
74LS166	LST	SRG	8-BIT SHIFT REGISTER PISO	DIL16P	+5V	70C	-	-	R008	VAR	SN74LS166N
74LS168	LST	CTR	SYNCH DECADE UP/DOWN COUNTER	DIL16P	+5V	70C	-	-	C006	VAR	SN74LS168N
74LS168FC	LST	CTR	COUNTER,4 BT,DEC,UP/DOWN, SYNC	FLP16	+5V	70C	34MA	25MXMHZ	C006	FAS	S54LS168AW
74LS169	LST	CTR	SYNCH 4BT BIN UP/DWN COUNTER	DIL16P	+5V	70C	-	-	C006	VAR	SN74LS169N
74LS169FC	LST	CTR	COUNTER,UP/DOWN,4 BIT BIN,SYNC	FLP16	+5V	70C	34MA	25MXMHZ	C006	FAS	S54LS169AW
74LS170	LST	REG	4X4 REGISTER FILE O/C O/P	DIL16P	+5V	70C	-	-	R009	VAR	SN74LS170N
74LS170FC	LST	RAM	RAM, SIM READ/WRITE,4X4 BIT,OC	FLP16	+5V	70C	40MA	45MXNS	R009	FAS	S54LS170W
74LS173	LST	LCH	QUAD 3-STATE LATCH	DIL16P	+5V	70C	-	-	F025	VAR	SN74LS173AN
74LS174	LST	FFD	HEX D-TYPE FLIP-FLOP WITH CLR	DIL16P	+5V	70C	-	-	F025	VAR	SN74LS174N
74LS174FC	LST	FFD	FF/D, EDGE TRIG,COMM R/CK, HEX	FLP16	+5V	70C	26MA	30MXMHZ	F025	FAS	S54LS174W
74LS175	LST	FFD	QUAD D-TYPE FLIP-FLOP COMM CLR	DIL16P	+5V	70C	-	-	F026	VAR	SN74LS175N
74LS175FC	LST	FFD	FF/D, ET,COM R/CK,COMP OP,QUAD	FLP16	+5V	70C	18MA	30MXMHZ	F026	FAS	S54LS175W
74LS181	LST	ALU	4 BIT ARITHMETIC LOGIC UNIT	DIL24P	+5V	70C	-	-	Z010	VAR	SN74LS181N
74LS181FC	LST	ARI	ALU/FUNCTION-GENERATOR,4 BIT	FLP24	+5V	70C	37MA	50MXNS	Z010	FAS	S54LS181W
74LS183	LST	ADD	DUAL CARRY-SAVE FULL ADDER	DIL14P	+5V	70C	-	-	Z011	VAR	SN74LS183N
74LS189	LST	MEM	64=16X4BT RAM, 3S INV O/P	DIL16P	+5V	70C	-	-	S001	VAR	SN74LS189N
74LS189FC	LST	MEM	RAM, 64=16X4 BIT, 3S INV OP	FLP16	+5V	70C	40MA	60MXNS	S001	FAS	-
74LS190	LST	CTR	REVERSIBLE DECADE COUNTER O/C	DIL16P	+5V	70C	-	-	C008	VAR	SN74LS190N
74LS190FC	LST	CTR	COUNTER,DEC,UP/DWN,SYNC,PRESET	FLP16	+5V	70C	35MA	52MXNS	C008	FAS	S54LS190W
74LS191	LST	CTR	REVERSIBLE BINARY COUNTER 4BIT	DIL16P	+5V	70C	-	-	C008	VAR	SN74LS191N
74LS191FC	LST	CTR	COUNTER, 4 BT HEX, UP/DWN,SYNC	FLP16	+5V	70C	35MA	52MXNS	C008	FAS	S54LS191W
74LS192	LST	CTR	REVERSIBLE DECADE COUNTER	DIL16P	+5V	70C	-	-	C009	VAR	SN74LS192N
74LS192FC	LST	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	FLP16	+5V	70C	34MA	25MXMHZ	C009	FAS	S54LS192W
74LS193	LST	CTR	REVERSIBLE BINARY COUNTER 4BIT	DIL16P	+5V	70C	-	-	C009	VAR	SN74LS193N
74LS193FC	LST	CTR	COUNTER,HEX,UP/DWN,SYNC,2CK,3S	FLP16	+5V	70C	34MA	30MXMHZ	C009	FAS	S54LS193W
74LS194	LST	SRG	4 BIT SHIFT REGISTER PIPO	DIL16P	+5V	70C	-	-	R013	VAR	N74LS194B
74LS194A	LST	SRG	4 BIT SHIFT REGISTER PIPO	DIL16P	+5V	70C	-	-	R013	VAR	SN74LS194AN
74LS195	LST	SRG	4-BIT SHIFT REGISTER PIPO	DIL16P	+5V	70C	-	-	R014	VAR	N74LS195B
74LS195A	LST	SRG	4-BIT SHIFT REGISTER PIPO	DIL16P	+5V	70C	-	-	R014	VAR	SN74LS195AN
74LS195AFC	LST	SRG	SHIFT REGISTER,4 BIT, PIPO	FLP16	+5V	70C	21MA	30MXMHZ	R014	FAS	S54LS195AW
74LS196	LST	CTR	DECADE COUNTER (N8290)	DIL14P	+5V	70C	-	-	C010	VAR	SN74LS196N
74LS196FC	LST	CTR	COUNTER,DEC,BCD/BIQUIN,RIPPLE	FLP14	+5V	70C	27MA	30MXMHZ	C010	FAS	S54LS196W
74LS197	LST	CTR	4-BIT BINARY COUNTER (N8291)	DIL14P	+5V	70C	-	-	C010	VAR	SN74LS197N
74LS197FC	LST	CTR	COUNTER,HEXADEC,4 BIT, RIPPLE	FLP14	+5V	70C	27MA	30MXMHZ	C010	FAS	S54LS197W
74LS200	LST	MEM	256=256X1 BIT RAM 3S O/P	DIL16P	+5V	70C	-	-	S009	VAR	SN74LS200AN
74LS202	LST	MEM	256=256X1 BIT RAM 3S POWER DWN	DIL16P	+5V	70C	-	-	S009	VAR	SN74LS202N
74LS221	LST	MON	DUAL MONOSTABLE	DIL16P	+5V	70C	-	-	U003	VAR	SN74LS221N
74LS240	LST	INV	OCTAL INVERTER 3-STATE	DIL20P	+5V	70C	-	-	B004	VAR	SN74LS240N
74LS240FC	LST	LND	LINE DRIVER,3S,INV,LO EN,OCTAL	FLP20	+5V	70C	50MA	30MXNS	B004	FAS	-
74LS241	LST	BUF	OCTAL BUFFER NON-INV 3-STATE	DIL20P	+5V	70C	-	-	B005	VAR	SN74LS241N
74LS241FC	LST	LND	LINE DRIVER,3S,DIR,LO EN,OCTAL	FLP20	+5V	70C	54MA	30MXNS	B005	FAS	-
74LS242	LST	TRX	QUAD BUS TRANSCEIVER 3-STATE	DIL14P	+5V	70C	-	-	T001	VAR	SN74LS242N
74LS242FC	LST	TRX	TRANSCVR,BUS,BIDIR,INV,3S,QUAD	FLP14	+5V	70C	50MA	30MXNS	T001	FAS	S54LS242W
74LS243	LST	TRX	QUAD BUS TRANSCEIVER 3-STATE	DIL14P	+5V	70C	-	-	T002	VAR	SN74LS243N
74LS243FC	LST	TRX	TRANSCEIVER,BUS,NONINV,3S,QUAD	FLP14	+5V	70C	54MA	30MXNS	T002	FAS	S54LS243W
74LS244	LST	DVR	OCTAL 3-STATE DRIVER	DIL20P	+5V	70C	-	-	B006	VAR	SN74LS244N
74LS244FC	LST	LND	LINE DRIVER,3S OP,LO EN, OCTAL	FLP20	+5V	70C	54MA	30MXNS	B006	FAS	-
74LS245	LST	TRX	QUAD 3-STATE BUS TRANSCEIVER	DIL20P	+5V	70C	-	-	T003	VAR	SN74LS245N
74LS245FC	LST	TRX	TRANSCVR,BUS,NON INV 3S, OCTAL	FLP20	+5V	70C	95MA	40MXNS	T003	FAS	-
74LS247	LST	DCD	BCD-7SEGMENT DECODER 30V OC OP	DIL16P	+5V	70C	-	-	D018	VAR	SN74LS247N
74LS247FC	LST	DSP	DISPLAY DRIVER,BCD-7SGT,15V,OC	FLP16	+5V	70C	13MA	100MXNS	D018	FAS	-
74LS248	LST	DCD	BCD-7SEGMENT DECODER	DIL16P	+5V	70C	-	-	D011	VAR	SN74LS248N
74LS248FC	LST	DSP	DISPLAY DRIVER,BCD-7SG,2K,5.5V	FLP16	+5V	70C	38MA	100MXNS	D011	FAS	-
74LS249	LST	DCD	BCD-7SEGMENT DECODER O/C O/P	DIL16P	+5V	70C	-	-	D011	VAR	SN74LS249N
74LS249FC	LST	DSP	DISPLAY DRIVER,BCD-7SG,OC,5.5V	FLP16	+5V	70C	15MA	100MXNS	D011	FAS	-
74LS251	LST	SEL	8 INPUT SELECTOR 3 STATE	DIL16P	+5V	70C	-	-	M007	VAR	SN74LS251N
74LS251FC	LST	SEL	MUX/DATA SELECTOR,8-1 LINE, 3S	FLP16	+5V	70C	12MA	55MXNS	M007	FAS	S54LS251W
74LS253	LST	SEL	DUAL 4-TO-1 LINE SELECTOR 3S	DIL16P	+5V	70C	-	-	M008	VAR	SN74LS253N
74LS253FC	LST	SEL	MUX/DATA SELECTR,4-1LN,3S,DUAL	FLP16	+5V	70C	14MA	45MXNS	M008	FAS	S54LS253W
74LS256	LST	LCH	LATCH, ADDRESSABLE,4 BIT, DUAL	DIL16P	+5V	70C	-	-	L003	VAR	74LS256PC
74LS256DC	LST	LCH	LATCH,ADDRESSABLE,4 BIT, DUAL	DIL16C	+5V	70C	25MA	30MXNS	L003	FAS	N74LS256F
74LS256FC	LST	LCH	LATCH,ADDRESSABLE,4 BIT, DUAL	FLP16	+5V	70C	25MA	30MXNS	L003	FAS	S54LS256W
74LS256PC	LST	LCH	LATCH,ADDRESSABLE,4 BIT, DUAL	DIL16P	+5V	70C	25MA	30MXNS	L003	FAS	N74LS256N
74LS257	LST	SEL	QUAD 2-TO-1 LN SELECTOR 3S	DIL16P	+5V	70C	-	-	M009	VAR	74LS257PC
74LS257A	LST	SEL	QUAD 2-TO-1 LN SELECTOR 3S	DIL16P	+5V	70C	-	-	M009	VAR	SN74LS257AN
74LS257DC	LST	SEL	MUX/DATA SELECTR,2-1LN,3S,QUAD	DIL16C	+5V	70C	19MA	30MXNS	M009	FAS	DM74LS257J
74LS257FC	LST	SEL	MUX/DATA SELECTR,2-1LN,3S,QUAD	FLP16	+5V	70C	9MA	30MXNS	M009	FAS	-
74LS257PC	LST	SEL	MUX/DATA SELECTR,2-1LN,3S,QUAD	DIL16P	+5V	70C	19MA	30MXNS	M009	FAS	DM74LS257N
74LS258	LST	SEL	QUAD 2-TO-1 LN SELECTOR 3S INV	DIL16P	+5V	70C	-	-	M010	VAR	74LS258PC
74LS258A	LST	SEL	QUAD 2-TO-1 LN SELECTOR 3S INV	DIL16P	+5V	70C	-	-	M010	VAR	SN74LS258AN
74LS258DC	LST	SEL	MUX/DATA SELECTR,INV-OP-54257	DIL16C	+5V	70C	19MA	30MXNS	M010	FAS	DM74LS258J
74LS258FC	LST	SEL	MUX/DATA SELECTR,INV-OP-74257	FLP16	+5V	70C	19MA	30MXNS	M010	FAS	S54LS258AW
74LS258PC	LST	SEL	MUX/DATA SELECTR,INV-OP-74258	DIL16P	+5V	70C	19MA	30MXNS	M010	FAS	DM74LS258N
74LS259	LST	LCH	8 BIT ADDRESSABLE LATCH	DIL16P	+5V	70C	-	-	L001	VAR	SN74LS259N

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
74LS259FC	LST	LCH	LATCH,ADDRESSABLE,8 BIT,RESET	FLP16	+5V	70C	36MA	38MXNS	L004	FAS	S54LS259W
74LS260	LST	NOR	DUAL 5-INPUT NOR GATE	DIL14P	+5V	70C	-	-	Q006	VAR	74LS260PC
74LS260DC	LST	NOR	NOR 5 INPUT DUAL	DIL14C	+5V	70C	5.5MA	12MXNS	Q006	FAS	N74LS260F
74LS260FC	LST	NOR	NOR, 5 INPUT DUAL	FLP14	+5V	70C	5.5MA	12MXNS	Q006	FAS	S54LS260W
74LS260PC	LST	NOR	NOR 5 INPUT DUAL	DIL14P	+5V	70C	5.5MA	12MXNS	Q006	FAS	N74LS260N
74LS261	LST	MLT	4X2 BINARY MULTIPLIER	DIL16P	+5V	70C	-	-	Z032	VAR	SN74LS261N
74LS266	LST	XNR	QUAD 2IP EXCLUSIVE-NOR O/C O/P	DIL14P	+5V	70C	-	-	X003	VAR	N74LS266N
74LS266FC	LST	XNR	EXCLUSIVE NOR,2 IP,OC OP, QUAD	FLP14	+5V	70C	13MA	30MXNS	X003	FAS	S54LS266W
74LS273	LST	FFD	OCTAL D-TYPE FLIP-FLOP WTH CLR	DIL20P	+5V	70C	-	-	R017	VAR	SN74LS273N
74LS273FC	LST	FFD	FF/D COMMON R/CK OCTAL	FLP20	+5V	70C	27MA	30MXMHZ	R017	FAS	-
74LS275	LST	MLT	7BTX4BT BINARY MULTIPLIER 3S	DIL16P	+5V	70C	-	-	Z034	VAR	SN74LS275N
74LS279	LST	LCH	QUAD S-R LATCH	DIL16P	+5V	70C	-	-	L005	VAR	SN74LS279N
74LS279FC	LST	FFR	FF/RS, LATCH QUAD	FLP16	+5V	70C	7MA	27MXNS	L005	FAS	S54LS279W
74LS280	LST	PAR	9BT PARITY GENERATOR/CHECKER	DIL14P	+5V	70C	-	-	Z012	VAR	SN74LS280N
74LS283	LST	ADD	4-BIT FULL ADDER	DIL16P	+5V	70C	-	-	Z013	VAR	SN74LS283N
74LS283FC	LST	ADD	ADDER,FULL,4 BT BIN,FAST CARRY	FLP16	+5V	70C	39MA	24MXNS	Z013	FAS	S54LS283W
74LS289FC	LST	MEM	RAM 64=16X4 BIT OC INV OP	FLP16	+5V	70C	40MA	60MXNS	S001	FAS	S54LS289W
74LS290	LST	CTR	DECADE (2X5) COUNTER	DIL14P	+5V	70C	-	-	C011	VAR	SN74LS290N
74LS290FC	LST	CTR	COUNTER,DECADE 2X5 DIV RIPPLE	FLP14	+5V	70C	15MA	16MXMHZ	C011	FAS	S54LS290W
74LS293	LST	CTR	4-BIT BINARY COUNTER (2X8 DIV)	DIL14P	+5V	70C	-	-	C012	VAR	SN74LS293N
74LS293FC	LST	CTR	COUNTER,4 BIT,2X8 DIV, RIPPLE	FLP14	+5V	70C	15MA	16MXMHZ	C012	FAS	S54LS293W
74LS295A	LST	SRG	4-BIT L/R SHIFT REGISTER 3S	DIL14P	+5V	70C	-	-	R018	VAR	74LS295APC
74LS295ADC	LST	SRG	SHIFT REG,4 BIT,L/R,3S OP,PIPO	DIL14C	+5V	70C	25MA	30MXMHZ	R018	FAS	-
74LS295AFC	LST	SRG	SHIFT REG,4 BIT,L/R,3S OP,PIPO	FLP14	+5V	70C	25MA	30MXMHZ	R018	FAS	-
74LS295APC	LST	SRG	SHIFT REG,4 BIT,L/R,3S OP,PIPO	DIL14P	+5V	70C	25MA	30MXMHZ	R018	FAS	-
74LS295B	LST	SRG	4-BIT L/R SHIFT REGISTER 3S	DIL14P	+5V	70C	-	-	R018	VAR	SN74LS295BN
74LS298	LST	MUX	QUAD 2-IP MULTIPLEXER STORAGE	DIL16P	+5V	70C	-	-	R019	VAR	SN74LS298N
74LS298FC	LST	MUX	MUX,2 IP,LATCH,INV CLOCK, QUAD	FLP16	+5V	70C	21MA	32MXNS	R019	FAS	S54LS298W
74LS299	LST	SRG	8BT L/R SHIFT/STORAGE REG 3S	DIL20P	+5V	70C	-	-	R020	VAR	SN74LS299N
74LS299FC	LST	SRG	SHIFT REG,8 BIT,L/R SH,3S,PIPO	FLP20	+5V	70C	53MA	35MXMHZ	R020	FAS	-
74LS320	LST	VCO	CRYSTAL CONTROLLED OSCILLATOR	DIL16P	+5V	70C	-	-	Z999	VAR	SN74LS320N
74LS321	LST	VCO	CRYSTAL CONTROLLED OSCILLATOR	DIL16P	+5V	70C	-	-	Z999	VAR	SN74LS321N
74LS322A	LST	REG	8BT SERIAL/PARALLEL REG 3S OP	DIL20P	+5V	70C	-	-	R021	VAR	SN74LS322AN
74LS322FC	LST	SRG	SHIFT REG,8 BIT,RIGHT EXTD, 3S	FLP20	+5V	70C	60MA	35MXMHZ	R021	FAS	-
74LS323	LST	SRG	8BT SHIFT/STORAGE REG 3S OP	DIL20P	+5V	70C	-	-	R022	VAR	SN74LS323N
74LS323FC	LST	SRG	SHIFT REG,8 BIT,L/R 3S,PIPO	FLP20	+5V	70C	53MA	35MXMHZ	R022	FAS	-
74LS324	LST	VCO	VCO, 2-PHASE OP,ENABLE CONTROL	DIL14P	+5V	70C	-	-	V003	VAR	SN74LS324N
74LS325	LST	VCO	VCO, 2-PHASE OP DUAL	DIL16P	+5V	70C	-	-	V004	VAR	SN74LS325N
74LS326	LST	VCO	VCO, 2-PHASE OP,EN CNTRL,DUAL	DIL16P	+5V	70C	-		V005	VAR	SN74LS326N
74LS327	LST	VCO	VCO, 1-PHASE OP, DUAL	DIL14P	+5V	70C	-	-	V006	VAR	SN74LS327N
74LS347	LST	DCD	DECODER, BCD-7SGT,7V OC OP DVR	DIL16P	+5V	70C	-	-	D011	VAR	SN74LS347N
74LS347FC	LST	DCD	DECODER,BCD-7 SGT,OC,7V,DRIVER	FLP16	+5V	70C	13MA	100MXNS	D011	FAS	-
74LS348	LST	ENC	8-TO-3 LINE ENCODER 3S O/P	DIL16P	+5V	70C	-	-	M015	VAR	SN74LS348N
74LS352	LST	SEL	DUAL 4-TO-1 LINE SELECTOR	DIL16P	+5V	70C	-	-	M011	VAR	SN74LS352N
74LS352FC	LST	MUX	MUX/DATA SELECT,4-1LN,INV,DUAL	FLP16	+5V	70C	10MA	38MXNS	M011	FAS	-
74LS353	LST	SEL	DUAL 4-TO-1 LINE SELECTOR 3S	DIL16P	+5V	70C	-	-	M012	VAR	SN74LS353N
74LS353FC	LST	MUX	MUX/DATA SEL,4-1LN,INV,3S,DUAL	DIL16P	+5V	70C	14MA	45MXNS	M012	FAS	-
74LS354	LST	SEL	8-TO-1 LN DATA SEL/MUX/REG	DIL20P	+5V	70C	-	-	Z999	VAR	SN74LS354N
74LS355	LST	SEL	8-TO-1 LN DATA SEL/MUX/REG OC	DIL20P	+5V	70C	-	-	Z999	VAR	SN74LS355N
74LS356	LST	SEL	8-TO-1 LN DATA SEL/MUX/REG 3S	DIL20P	+5V	70C	-	-	Z999	VAR	SN74LS356N
74LS357	LST	SEL	8-TO-1 LN DATA SEL/MUX/REG OC	DIL20P	+5V	70C	-	-	Z999	VAR	SN74LS357N
74LS362	LST	CLK	CLOCK DRIVER FOR TMS9900 3S	DIL20P	+5V	70C	-	-	Z041	VAR	SN74LS362N
74LS363	LST	LCH	LATCH, TRANSPARENT,3S OP,OCTAL	DIL20P	+5V	70C	-	-	L006	VAR	SN74LS363N
74LS364	LST	FFD	D-FLIP FLOP EDG TRG,3S,OCTAL	DIL20P	+5V	70C	-	-	F027	VAR	SN74LS364N
74LS365	LST	LND	HEX BUS DRIVER 3 STATE	DIL16P	+5V	70C	-	-	B007	VAR	SN74LS365N
74LS365A	LST	LND	HEX BUS DRIVER 3 STATE	DIL16P	+5V	70C	-	-	B007	VAR	SN74LS365AN
74LS365AFC	LST	LND	LINE DRIVER, 3S NON INV OP,HEX	FLP16	+5V	70C	24MA	40MXNS	B007	FAS	S54LS365AW
74LS366	LST	LND	HEX INVERTER BUS DRIVER 3S	DIL16P	+5V	70C	-	-	B008	VAR	SN74LS366N
74LS366A	LST	LND	HEX INVERTER BUS DRIVER 3S	DIL16P	+5V	70C	-	-	B008	VAR	SN74LS366A
74LS366AFC	LST	LND	LINE DRIVER, 3S INV OP, HEX	FLP16	+5V	70C	21MA	45MXNS	B008	FAS	S54LS366AW
74LS367	LST	LND	HEX BUS DRIVER 3 STATE	DIL16P	+5V	70C	-	-	B014	VAR	SN74LS367N
74LS367A	LST	LND	HEX BUS DRIVER 3 STATE	DIL16P	+5V	70C	-	-	B014	VAR	S54LS367AN
74LS367AFC	LST	LND	LINE DRIVER, 3S,2 ENABLE, HEX	FLP16	+5V	70C	24MA	40MXNS	B014	FAS	S54LS367AW
74LS368	LST	LND	HEX INVERTER BUS DRIVER 3S OP	DIL16P	+5V	70C	-	-	B009	VAR	SN74LS368N
74LS368A	LST	LND	HEX INVERTER BUS DRIVER 3S OP	DIL16P	+5V	70C	-	-	B009	VAR	SN74LS368AN
74LS368AFC	LST	LND	LINE DRIVER, 3S,2 EN,INV, HEX	FLP16	+5V	70C	21MA	45MXNS	B009	FAS	S54LS368AW
74LS373	LST	LCH	OCTAL TRANSPARENT LATCH 3S	DIL20P	+5V	70C	-	-	L006	VAR	SN74LS373N
74LS373FC	LST	LCH	LATCH, LO VOH 74363, OCTAL	FLP20	+5V	70C	40MA	36MXNS	L006	FAS	-
74LS374	LST	FFD	OCTAL D-TYPE FLIP-FLOP 3S O/P	DIL20P	+5V	70C	-	-	F027	VAR	SN74LS374N
74LS374FC	LST	FFD	FF/D, LO VOH 74364, OCTAL	FLP20	+5V	70C	40MA	35MXMHZ	F027	FAS	-
74LS375	LST	LCH	QUAD LATCH	DIL16P	+5V	70C	-	-	L007	VAR	SN74LS375N
74LS375FC	LST	FFD	FF/D, DIFFT PINOUT 7475, QUAD	FLP16	+5V	70C	12MA	30MXNS	L007	FAS	S54LS375W
74LS377	LST	FFD	OCTAL D-TYPE FLIP-FLOP, ENABLE	DIL20P	+5V	70C	-	-	F028	VAR	SN74LS377N
74LS377FC	LST	FFD	FF/D, COMMON EN + CLK, OCTAL	FLP20	+5V	70C	28MA	30MXMHZ	F028	FAS	-
74LS378	LST	FFD	HEX D-TYPE FLIP-FLOP (=25LS07)	DIL16P	+5V	70C	-	-	R023	VAR	SN74LS378N

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
74LS378FC	LST	FFD	FF/D, COMMON ENABLE, HEX	FLP16	+5V	70C	22MA	30MXMHZ	R023	FAS	S54LS378W
74LS379	LST	FFD	QUAD D-TYPE FLIP-FLOP, ENABLE	DIL16P	+5V	70C	-	-	R024	VAR	SN74LS379N
74LS379FC	LST	FFD	FF/D, COMMON ENABLE, QUAD	FLP16	+5V	70C	15MA	30MXMHZ	R024	FAS	S54LS379W
74LS381	LST	ALU	ALU/FUNCTION GENERATOR,=25LS08	DIL20P	+5V	70C	-	-	Z038	VAR	SN74LS381N
74LS382	LST	ALU	4BT ARITHMETIC/FUNCTION GEN	DIL20P	+5V	70C	-	-	Z038	VAR	SN74LS382N
74LS384	LST	MLT	8 BIT MULTIPLIER	DIL16P	+5V	70C	-	-	Z014	VAR	SN74LS384N
74LS384FC	LST	MLT	MULTIPLIER,8X1 BT,2-S COMPLEMT	FLP16	+5V	70C	155MA	25MXMHZ	Z014	FAS	-
74LS385	LST	ADD	QUAD ADDER/SUBTRACTOR	DIL20P	+5V	70C	-	-	Z039	VAR	SN74LS385N
74LS386	LST	XOR	QUAD EXCLUSIVE OR	DIL14P	+5V	70C	-	-	X007	VAR	SN74LS386
74LS390	LST	CTR	COUNTER, DECADE,UP,2X5DIV,DUAL	DIL16P	+5V	70C	-	-	C013	VAR	SN74LS390N
74LS390FC	LST	CTR	COUNTER,DECADE,2X5 DIV,UP,DUAL	FLP16	+5V	70C	26MA	20MXMHZ	C013	FAS	S54LS390W
74LS393	LST	CTR	DUAL 4-BIT BINARY COUNTER	DIL14P	+5V	70C	-	-	C014	VAR	SN74LS393N
74LS393FC	LST	CTR	COUNTER,BINARY,2X8 DIV,UP,DUAL	FLP14	+5V	70C	26MA	25MXMHZ	C014	FAS	S54LS393W
74LS395	LST	SRG	4 BIT CASCADABLE SHIFT REG 3S	DIL16P	+5V	70C	-	-	R025	VAR	SN74LS395N
74LS395A	LST	SRG	4 BIT CASCADABLE SHIFT REG. 3S	DIL16P	+5V	70C	-	-	R025	VAR	SN74LS395AN
74LS395FC	LST	SRG	SHIFT REG, 4 BIT,3S OP, PIPO	FLP16	+5V	70C	29MA	25MXMHZ	R025	FAS	S54LS39AW
74LS396	LST	SRG	SHIFT REG, 2-STAGE, 4 BIT WIDE	DIL16P	+5V	70C	-	-	R040	VAR	SN74LS396N
74LS398	LST	MUX	QUAD 2-IP MULTIPLEXER,STORAGE	DIL20P	+5V	70C	-	-	M018	VAR	SN74LS398N
74LS399	LST	MUX	QUAD 2-IP MULTIPLEXER(=25LS09)	DIL16P	+5V	70C	-	-	M019	VAR	SN74LS399N
74LS422	LST	MON	ONE SHOT (NO TRIGGER FROM CLR)	DIL14P	+5V	70C	-	-	-	VAR	SN74LS422N
74LS423	LST	MON	DUAL 74LS422	DIL16P	+5V	70C	-	-	-	VAR	SN74LS423N
74LS424	LST	CLK	CLOCK GENERATOR/DRIVER,2-PHASE	DIL16P	+5V	70C	-	-	Z040	VAR	SN74LS424N
74LS428	LST	XXX	SYSTEM CONTROLLER FOR TMS8080	DIL28P	+5V	70C	-	-	Z999	TII	SN74LS428N
74LS440	LST	TRX	TRIDIR BUS TRCVR OC, QUAD	DIL20P	+5V	70C	-	-	Z999	VAR	SN74LS440N
74LS441	LST	TRX	TRIDIR BUS TRCVR OC INV OP	DIL20P	+5V	70C	-	-	Z998	VAR	SN74LS441
74LS442	LST	TRX	TRIDIR BUS TRANSCVR 3S, QUAD	DIL20P	+5V	70C	-	-	T006	VAR	SN74LS442N
74LS443	LST	TRX	TRIDIR BUS TRANSCVR INV 3S	DIL20P	+5V	70C	-	-	T006	VAR	SN74LS443N
74LS444	LST	TRX	TRIDIR BUS TRCVR TRU/INV ,QUAD	DIL20P	+5V	70C	-	-	T006	VAR	SN74LS444N
74LS445	LST	DCD	80MA OP VERSION OF 74LS145	DIL16P	+5V	70C	-	-	D001	VAR	SN74LS445N
74LS446	LST	TRX	BUS TRCVR(INDIV DIR CTRL),QUAD	DIL20P	+5V	70C	-	-	Z999	VAR	SN74LS446N
74LS447	LST	DSP	DISPLAY DRIVER, BCD-7SGT,7V OC	DIL16P	+5V	70C	-	-	Z999	VAR	SN74LS447N
74LS447FC	LST	DSP	DISPLAY DRIVER,BCD-7 SGT,7V,OC	FLP16	+5V	70C	13MA	100MXNS	Z999	FAS	-
74LS448	LST	TRX	TRID BUS TRCVR TRUE/INV OC OP	DIL20P	+5V	70C	-	-	Z999	VAR	SNLS448N
74LS449	LST	TRX	QUAD BUS TRCVR WITH INDIV CTRL	DIL20P	+5V	70C	-	-	Z999	TII	SN74LS449N
74LS450	LST	CTR	COUNTER LATCH DECODER	-	+5V	70C	-	-	Z999	TII	-
74LS462	LST	XXX	FIBRE OPTIC DATA LINK CTRL TRX	DIL20P	+5V	70C	-	-	Z999	TII	SN74LS462N
74LS463	LST	XXX	FIBRE OPTIC DATA LINK CTRL RX	DIL20P	+5V	70C	-	-	Z999	TII	SN74LS463N
74LS468	LST	LSH	DUAL MOS-TO-TTL LEVEL SHIFT 3S	-	+5V	70C	-	-	Z999	TII	-
74LS484	LST	CVR	BCD-TO-BINARY CONVERTER, 3S	DIL20P	+5V	70C	-	-	Z999	TII	SN74LS484N
74LS485	LST	CVR	BINARY-TO-BCD CONVERTER, 3S	DIL20P	+5V	70C	-	-	Z999	TII	SN74LS485N
74LS490	LST	CTR	DUAL 4-BIT DECADE COUNTER	DIL16P	+5V	70C	-	-	C015	VAR	SN74LS490N
74LS490FC	LST	CTR	COUNTER,4 BT,DECAD,RIPPLE,DUAL	FLP16	+5V	70C	70MA	25MXMHZ	C015	FAS	S54LS490W
74LS502	LST	REG	REGISTER,8 BT,SUCCESSIV APPROX	DIL16P	+5V	70C	-	-	R026	FAS	74LS502PC
74LS502DC	LST	REG	REGISTER,8 BT,SUCCESSIV APPROX	DIL16C	+5V	70C	65MA	15MXMHZ	R026	FAS	-
74LS502FC	LST	REG	REGISTER,8 BT,SUCCESSIV APPROX	FLP16	+5V	70C	65MA	15MXMHZ	R026	FAS	-
74LS502PC	LST	REG	REGISTER,8 BT,SUCCESSIV APPROX	DIL16P	+5V	70C	65MA	15MXMHZ	R026	FAS	-
74LS503	LST	REG	REG, SUCC APPX,EXPANDED 74502	DIL16P	+5V	70C	-	-	R027	FAS	74LS503PC
74LS503DC	LST	REG	REG,SUCC APPX,EXPANDED 54502	DIL16C	+5V	70C	65MA	15MXMHZ	R027	FAS	-
74LS503FC	LST	REG	REG,SUCC APPX,EXPANDED 54502	FLP16	+5V	70C	65MA	15MXMHZ	R027	FAS	-
74LS503PC	LST	REG	REG,SUCC APPX,EXPANDED 54502	DIL16P	+5V	70C	65MA	15MXMHZ	R027	FAS	-
74LS504	LST	REG	REGISTER,SUCC APPROX, 12 BIT	DIL24P	+5V	70C	-	-	R028	FAS	74LS504PC
74LS504PC	LST	REG	REGISTER,SUCC APPROX,12 BIT	DIL24P	+5V	70C	90MA	15MXMHZ	R028	FAS	-
74LS533	LST	LCH	LATCH,TRANSPARENT,3S INV,OCTAL	DIL20P	+5V	70C	-	-	L008	FAS	74LS533PC
74LS533DC	LST	LCH	LATCH,TRANSPARENT,3S INV,OCTAL	DIL20C	+5V	70C	40MA	35MXNS	L008	FAS	-
74LS533FC	LST	LCH	LATCH,TRANSPARENT,3S INV,OCTAL	FLP20	+5V	70C	40MA	35MXNS	L008	FAS	-
74LS533PC	LST	LCH	LATCH,TRANSPARENT,3S INV,OCTAL	DIL20P	+5V	70C	40MA	35MXNS	L008	FAS	-
74LS534	LST	FFD	FF/D, EDG TRIG,3S INV OP,OCTAL	DIL20P	+5V	70C	-	-	F029	FAS	74LS534PC
74LS534DC	LST	FFD	FF/D, EDG TRIG,3S INV OP,OCTAL	DIL20C	+5V	70C	45MA	35MXMHZ	F029	FAS	-
74LS534FC	LST	FFD	FF/D, EDG TRIG,3S INV OP,OCTAL	FLP20	+5V	70C	45MA	35MXMHZ	F029	FAS	-
74LS534PC	LST	FFD	FF/D, EDG TRIG,3S INV OP,OCTAL	DIL20P	+5V	70C	45MA	35MXMHZ	F029	FAS	-
74LS540FC	LST	LND	LINE DRIVER,DIFFT PINOUT 54240	FLP20	+5V	70C	50MA	30MXNS	B010	FAS	-
74LS540J	LST	LND	LINE DRIVER,DIFFT PINOUT 74240	DIL20C	+5V	70C	-	-	B010	VAR	SN74LS540J
74LS541	LST	TRX	OCTAL BUFFER-LINE DVR/RCVR DIR	DIL20P	+5V	70C	-	-	B011	VAR	SN74LS541N
74LS541FC	LST	LND	LINE DRIVER,DIFFT PINOUT 74241	FLP20	+5V	70C	54MA	30MXNS	B011	FAS	-
74LS563	LST	LCH	LATCH,TRANSPARENT,3S INV,OCTAL	DIL20P	+5V	70C	-	-	L009	FAS	74LS563PC
74LS563DC	LST	LCH	LATCH,TRANSPARENT,3S INV,OCTAL	DIL20C	+5V	70C	40MA	35MXNS	L009	FAS	-
74LS563FC	LST	LCH	LATCH,TRANSPARENT,3S INV,OCTAL	FLP20	+5V	70C	40MA	35MXNS	L009	FAS	-
74LS563PC	LST	LCH	LATCH,TRANSPARENT,3S INV,OCTAL	DIL20P	+5V	70C	40MA	35MXNS	L009	FAS	-
74LS564	LST	FFD	FF/D,INV 3S OP,COM CK/OE,OCTAL	DIL20P	+5V	70C	-	-	F030	FAS	74LS564PC
74LS564DC	LST	FFD	FF/D,INV 3S OP,COM CK/OE,OCTAL	DIL20C	+5V	70C	45MA	35MXMHZ	F030	FAS	-
74LS564FC	LST	FFD	FF/D,INV 3S OP,COM CK/OE,OCTAL	FLP20	+5V	70C	-	35MXMHZ	F030	FAS	-
74LS564PC	LST	FFD	FF/D,INV 3S OP,COM CK/OE,OCTAL	DIL20P	+5V	70C	45MA	35MXMHZ	F030	FAS	-
74LS568	LST	CTR	COUNTER, DECADE,UP/DOWN, 3S	DIL20P	+5V	70C	-	-	C023	VAR	MC74LS568P
74LS569	LST	CTR	COUNTER 4BT BIN UP/DWN 3S OP	DIL20P	+5V	70C	-	-	C023	VAR	MC74LS569N
74LS573	LST	LCH	OCTAL LATCH, 3S OP	DIL20P	+5V	70C	-	-	F029	VAR	SN74LS573N

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
74LS574	LST	FFD	OCTAL D-TYPE FLIP-FLOP 3S OP	DIL20P	+5V	70C	-	-	F029	MUT	SN74LS574N
74LS590	LST	CTR	COUNTERS WITH LATCH	DIL--P	+5V	70C	-	-	Z999	TII	SN74LS590N
74LS591	LST	CTR	COUNTERS WITH LATCH	DIL--P	+5V	70C	-	-	Z999	TII	SN74LS591N
74LS592	LST	CTR	COUNTERS WITH LATCH	DIL--P	+5V	70C	-	-	Z999	TII	SN74LS592N
74LS593	LST	CTR	COUNTERS WITH LATCH	DIL--P	+5V	70C	-	-	Z999	TII	SN74LS593N
74LS594	LST	CTR	COUNTERS WITH LATCH	DIL--P	+5V	70C	-	-	Z999	TII	SN74LS594N
74LS595	LST	CTR	SHIFT REGISTERS WITH LATCH	DIL--P	+5V	70C	-	-	Z999	TII	SN74LS595N
74LS596	LST	CTR	SHIFT REGISTERS WITH LATCH	DIL--P	+5V	70C	-	-	Z999	TII	SN74LS596N
74LS597	LST	CTR	SHIFT REGISTERS WITH LATCH	DIL--P	+5V	70C	-	-	Z999	TII	SN74LS597N
74LS598	LST	CTR	SHIFT REGISTERS WITH LATCH	DIL--P	+5V	70C	-	-	Z999	TII	SN74LS598N
74LS600	LST	XXX	MEMORY CONTROLLER, 4/16K TRANS	DIL20P	+5V	70C	-	-	Z043	TII	SN74LS600N
74LS601	LST	XXX	MEMORY CONTROLLER, 64K TRANS	DIL20P	+5V	70C	-	-	Z999	TII	SN74LS601N
74LS602	LST	XXX	MEMORY CONTROLLER, 4/16K STEAL	DIL20P	+5V	70C	-	-	Z999	TII	SN74LS602N
74LS603	LST	XXX	MEMORY CONTROLLER, 64K STEAL	DIL20P	+5V	70C	-	-	Z999	TII	SN74LS603N
74LS604	LST	MUX	16-TO-8 MULTIPLEXER HI SPD 3S	DIL28P	+5V	70C	-	-	M021	VAR	SN74LS604N
74LS605	LST	MUX	16-TO-8 MULTIPLEXER HI SPD OC	DIL28P	+5V	70C	-	-	M021	VAR	SN74LS605N
74LS606	LST	MUX	16-TO-8 MULTIPLEXER MED SPD 3S	DIL28P	+5V	70C	-	-	M021	VAR	SN74LS606N
74LS607	LST	MUX	16-TO-8 MULTIPLEXER MED SPD OC	DIL28P	+5V	70C	-	-	M021	VAR	SN74LS607N
74LS608	LST	XXX	MEMORY CYCLE CONTROLLER 3S	DIL16P	+5V	70C	-	-	Z044	VAR	SN74LS608N
74LS610	LST	XXX	MEMORY MAPPER WITH LATCH 3S	DIL40P	+5V	70C	-	-	Z045	TII	SN74LS610N
74LS611	LST	XXX	MEMORY MAPPER WITH LATCH	DIL40P	+5V	70C	-	-	Z999	TII	SN74LS611N
74LS612	LST	XXX	LATCHLESS VERSION OF 74LS610	DIL40P	+5V	70C	-	-	Z999	TII	SN74LS612N
74LS613	LST	XXX	LATCHLESS VERSION OF 74LS611	DIL40P	+5V	70C	-	-	Z999	TII	SN74LS613N
74LS620	LST	XXX	DUAL CONTROL OCTAL XCVR INV 3S	DIL20P	+5V	70C	-	-	Z999	VAR	SN74LS620N
74LS621	LST	XXX	DUAL CONTROL OCTAL XCVR DIR OC	DIL20P	+5V	70C	-	-	Z999	VAR	SN74LS621N
74LS622	LST	XXX	DUAL CONTROL OCTAL XCVR INV OC	DIL20P	+5V	70C	-	-	Z999	VAR	SN74LS622N
74LS623	LST	XXX	DUAL CONTROL OCTAL XCVR DIR 3S	DIL20P	+5V	70C	-	-	Z999	VAR	SN74LS623N
74LS624	LST	VCO	VCO (IMPROVED 74LS324)	DIL14P	+5V	70C	-	-	V003	VAR	SN74LS624N
74LS625	LST	VCO	VCO (IMPROVED 74LS325)	DIL14P	+5V	70C	-	-	V003	VAR	SN74LS625N
74LS626	LST	VCO	VCO (IMPROVED 74LS326), DUAL	DIL14P	+5V	70C	-	-	V005	VAR	SN74LS626N
74LS627	LST	VCO	VCO (IMPROVED 74LS327), DUAL	DIL14P	+5V	70C	-	-	V006	VAR	SN74LS627N
74LS628	LST	VCO	VCO, 2-PHASE OP	DIL14P	+5V	70C	-	-	Z999	VAR	SN74LS628N
74LS629	LST	VCO	VCO (IMPROVED 74LS124), DUAL	DIL16P	+5V	70C	-	-	Z999	VAR	SN74LS629N
74LS630	LST	XXX	16BT PARAL ERROR CORRECTN CCT	DIL28P	+5V	70C	-	-	Z999	VAR	SN74LS630N
74LS631	LST	XXX	16BT PARAL ERROR CORRCN OC CCT	DIL28P	+5V	70C	-	-	Z999	VAR	SN74LS631N
74LS638	LST	TRX	OCTAL BUS XCVR OC TS INV	DIL20P	+5V	70C	-	-	Z999	TII	SN74LS638N
74LS639	LST	TRX	OCTAL BUS XCVR OC TS NON INV	DIL20P	+5V	70C	-	-	Z999	TII	SN74LS639N
74LS640	LST	TRX	OCTAL BUS XCVR INVERTING 3S	DIL20P	+5V	70C	-	-	T007	VAR	SN74LS640N
74LS641	LST	TRX	OCTAL BUS XCVR NON-INV OC	DIL20P	+5V	70C	-	-	T003	VAR	SN74LS641N
74LS642	LST	TRX	OCTAL BUS XCVR INV OC OP	DIL20P	+5V	70C	-	-	T003	VAR	SN74LS642N
74LS643	LST	TRX	OCTAL BUS XCVR TRUE/INVERT 3S	DIL20P	+5V	70C	-	-	Z999	VAR	SN74LS643N
74LS644	LST	TRX	OCTAL BUS XCVR TRUE/INV OC OP	DIL20P	+5V	70C	-	-	Z999	VAR	SN74LS644N
74LS645	LST	TRX	QUAD BUS TRANSCEIVER 3S	DIL20P	+5V	70C	-	-	Z999	VAR	SN74LS645N
74LS646	LST	TRX	OCTAL BUS XCVR/REGISTER 3S OP	DIL24P	+5V	70C	-	-	Z999	VAR	SN74LS646N
74LS647	LST	TRX	OCTAL BUS XCVR/REGISTER OC OP	DIL24P	+5V	70C	-	-	Z999	VAR	SN74LS647N
74LS648	LST	TRX	OCTAL BUS XCVR/REGISTER INV 3S	DIL24P	+5V	70C	-	-	Z999	VAR	SN74LS648N
74LS649	LST	TRX	OCTAL BUS XCVR/REGISTER INV OC	DIL24P	+5V	70C	-	-	Z999	VAR	SN74LS649N
74LS668	LST	CTR	SYNCHR UP/DOWN DECADE COUNTER	DIL16P	+5V	70C	-	-	C006	VAR	SN74LS668N
74LS669	LST	CTR	SYNCHR UP/DWN 4BT BIN COUNTER	DIL16P	+5V	70C	-	-	C006	VAR	SN74LS669N
74LS670	LST	REG	4X4 REGISTER FILE 3S O/P	DIL16P	+5V	70C	-	-	R029	VAR	SW74LS670N
74LS670FC	LST	REG	REGISTER FILE,4X4 BIT, 3S OP	FLP16	+5V	70C	50MA	50MXNS	R029	FAS	S54LS670W
74LS671	LST	SRG	SHIFT REGISTER WITH LATCH	-	+5V	70C	-	-	Z999	TII	SN74LS671N
74LS672	LST	SRG	SHIFT REGISTER WITH LATCH	-	+5V	70C	-	-	Z999	TII	SN74LS672N
74LS673	LST	SRG	16 BIT SISO SHIFT REGISTER	DIL24P	+5V	70C	-	-	R041	VAR	SN74LS643N
74LS674	LST	SRG	16 BIT PISO SHIFT REGISTER	DIL24P	+5V	70C	-	-	R042	VAR	SN74LS674N
74LS681	LST	ALU	ARITHMETIC LOGIC UNIT	DIL20P	+5V	70C	-	-	W003	VAR	SN74LS681N
74LS682	LST	CMP	8 BIT MAGNITUDE COMPARATOR	DIL20P	+5V	70C	-	-	Z999	VAR	SN74LS682N
74LS683	LST	CMP	8 BIT MAGNITUDE COMPARATOR OC	DIL20P	+5V	70C	-	-	Z999	VAR	SN74LS683N
74LS684	LST	CMP	8 BIT MAGNITUDE COMPARATOR	DIL20P	+5V	70C	-	-	Z046	VAR	SN74LS684N
74LS685	LST	CMP	8 BIT MAGNITUDE COMPARATOR OC	DIL20P	+5V	70C	-	-	Z999	VAR	SN74LS685N
74LS686	LST	CMP	8 BIT MAGNITUDE COMPARATOR	DIL24P	+5V	70C	-	-	Z999	TII	SN74LS686N
74LS687	LST	CMP	8 BIT MAGNITUDE COMPARATOR OC	DIL24P	+5V	70C	-	-	Z999	TII	SN74LS687N
74LS688	LST	CMP	8 BIT MAGNITUDE COMPARATOR	DIL20P	+5V	70C	-	-	Z999	VAR	SN74LS688N
74LS689	LST	CMP	8 BIT MAGNITUDE COMPARATOR OC	DIL20P	+5V	70C	-	-	Z999	VAR	SN74LS689N
74LS690	LST	CTR	DECADE COUNTER, DIR CLR,MUX 3S	DIL20P	+5V	70C	-	-	C021	VAR	SN74LS690N
74LS691	LST	CTR	BINARY COUNTER, DIR CLR,MUX 3S	DIL20P	+5V	70C	-	-	C021	VAR	SN74LS691N
74LS692	LST	CTR	DECADE COUNTER, SYN CLR,MUX 3S	DIL20P	+5V	70C	-	-	C021	VAR	SN74LS692N
74LS693	LST	CTR	BINARY COUNTER, SYN CLR,MUX 3S	DIL20P	+5V	70C	-	-	C021	VAR	SN74LS693N
74LS696	LST	CTR	DEC UP/DWN COUNTER DIR CLR 3S	DIL20P	+5V	70C	-	-	C022	VAR	SN74LS696N
74LS697	LST	CTR	BIN UP/DWN COUNTER DIR CLR 3S	DIL20P	+5V	70C	-	-	C022	VAR	SN74LS697N
74LS698	LST	CTR	DEC UP/DWN COUNTER SYN CLR 3S	DIL20P	+5V	70C	-	-	C022	VAR	SN74LS698N
74LS699	LST	CTR	BIN. UP/DWN COUNTER SYN CLR 3S	DIL20P	+5V	70C	-	-	C022	VAR	SN74LS699N
74H00 SERIES	HTL	-	HOUSE CODES FOR SN74H00 SERIES	-	-	70C	-	-	-	RAY	SN74H00 SER
74S SERIES	STL	-	ALTERNATE NAME FOR 74S00 SER.	-	-	-	-	-	-	-	SN74S00 SER
74S00	STL	NAN	QUAD 2-INPUT NAND GATE	DIL14P	+5V	70C	36MA	5MXNS	N001	VAR	SN74S00N

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
74S00 SERIES	STL	-	GENERIC TITLE FOR SN74S00N SER	DIL--P	+5V	70C	-	-	-	VAR	SN74S00N SER
74S00DC SER	STL	-	HOUSE CODES FOR SN74S00J SER	DIL--C	-	70C	-	-	-	FAS	SN74S00J SER
74S00F SERIES	STL	-	SHORT CODE FOR N74800F SERIES	DIL--C	+5V	70C	-	-	-	SIG	SN74S00J SER
74S00FC	STL	NAN	NAND, 2IP, QUAD	FLP14	+5V	70C	36MA	5MXNS	N001	FAS	74S00FC
74S00FC SER.	STL	-	HOUSE CODES FOR SN74S00W SER	FLP---	-	70C	-	-	-	FAS	SN74S00W SER
74S00N SERIES	STL	-	SHORT CODE FOR N74S00N SERIES	DIL--P	+5V	70C	-	-	-	SIG	SN7400N SER
74S00N3 SER	STL	-	GENERIC NOS FOR SN74S00N3 SER.	DIL--P	+5V	70C		-	-	TII	SN74S00N3 SER
74S00PC SER	STL	-	HOUSE CODES FOR SN74S00N SER	DIL--P	-	70C	-	-	-	FAS	SN74S00N SER
74S00W SERIES	STL	-	SHORT CODE FOR N74S00W SERIES	FLP---	+5V	70C	-	-	-	SIG	SN74S00W SER
74S02	STL	NOR	NOR, 2IP, QUAD	DIL14P	+5V	70C	45MA	5.5MXNS	Q001	VAR	SN74S02N
74S02FC	STL	NOR	NOR, 2IP, QUAD	FLP14	+5V	70C	45MA	5.5MXNS	Q001	FAS	S54S02W
74S03	STL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	70C	36MA	7 5MXNS	N001	VAR	SN74S03N
74S03FC	STL	NAN	NAND, 2IP, OC OP, QUAD	FLP14	+5V	70C	36MA	7 5MXNS	N001	FAS	S54S03W
74S04	STL	INV	HEX INVERTER	DIL14P	+5V	70C	54MA	5MXNS	I001	VAR	SN74S04N
74S04AFC	STL	INV	INVERTER, HEX	FLP14	+5V	70C	58MA	10MXNS	I001	FAS	-
74S04FC	STL	INV	INVERTER, HEX	FLP14	+5V	70C	54MA	5MXNS	I001	FAS	S54S04W
74S05	STL	INV	HEX INVERTER, O/C O/P	DIL14P	+5V	70C	54MA	7 5MXNS	I001	VAR	SN74S05N
74S05A	STL	INV	HEX INVERTER, O/C O/P	DIL14P	+5V	70C	54MA	55MXNS	I001	VAR	SN74S05AN
74S05AFC	STL	INV	INVERTER, OC 15V OP, HEX	FLP14	+5V	70C	54MA	5 5MXNS	I001	FAS	-
74S05FC	STL	INV	INVERTER, OC OP, HEX	FLP14	+5V	70C	54MA	7 5MXNS	I001	FAS	S54S05W
74S08	STL	AND	QUAD 2-INPUT AND GATE	DIL14P	+5V	70C	-	-	A001	VAR	SN74S08N
74S08FC	STL	AND	AND, 2IP, QUAD	FLP14	+5V	70C	57MA	7 5MXNS	A001	FAS	S54S08W
74S09	STL	AND	QUAD 2-INPUT AND GATE, O/C O/P	DIL14P	+5V	70C	-	-	A001	VAR	SN74S09N
74S09FC	STL	AND	AND, 2IP, OC OP, QUAD	FLP14	+5V	70C	57MA	10MXNS	A001	FAS	S54S09W
74S10	STL	NAN	TRIPLE 3-INPUT NAND GATE	DIL14P	+5V	70C	-	-	N004	VAR	SN74S10N
74S10FC	STL	NAN	NAND, 3IP, TRIPLE	FLP14	+5V	70C	27MA	5MXNS	N004	FAS	S54S10W
74S11	STL	AND	TRIPLE 3-INPUT AND GATE	DIL14P	+5V	70C	-	-	A003	VAR	SN74S11N
74S11FC	STL	AND	AND, 3IP, TRIPLE	FLP14	+5V	70C	42MA	7 5MXNS	A003	FAS	S54S11W
74S15	STL	AND	TRIPLE 3-IP AND GATE O/C O/P		+5V	70C	-	-	A003	VAR	SN74S15N
74S15FC	STL	AND	AND, 3IP, OC OP, TRIPLE	FLP14	+5V	70C	4 2MA	9MXNS	A003	FAS	S54S15W
74S20	STL	NAN	DUAL 4-INPUT NAND GATE	DIL14P	+5V	70C	-	-	N008	VAR	SN74S20N
74S20FC	STL	NAN	NAND, 4IP, DUAL	FLP14	+5V	70C	18MA	5MXNS	N008	FAS	S54S20W
74S21	STL	AND	DUAL 4-INPUT AND GATE	DIL14P	+5V	70C	-	-	A005	VAR	N74S21A
74S22	STL	NAN	DUAL 4-INPUT NAND GATE,O/C O/P	DIL14P	+5V	70C	-	-	N008	VAR	SN74S22N
74S22FC	STL	NAN	NAND, 4IP, OC OP, DUAL	FLP14	+5V	70C	18MA	7 5MXNS	N008	FAS	S54S22W
74S30	STL	NAN	8-INPUT NAND GATE	DIL14P	+5V	70C	-	-	N010	VAR	SN74S30N
74S30FC	STL	NAN	NAND, 8IP	FLP14	+5V	70C	10MA	7MXNS	N010	FAS	-
74S32	STL	ORG	QUAD 2-INPUT OR GATE	DIL14P	+5V	70C	-	-	O001	VAR	SN74S32N
74S32FC	STL	ORG	OR, 2IP, QUAD	FLP14	+5V	70C	68MA	7MXNS	O001	FAS	S54S32W
74S37	STL	BUF	QUAD 2-INPUT NAND BUFFER	DIL14P	+5V	70C	-	-	N001	VAR	SN74S37N
74S38	STL	BUF	QUAD 2-INPUT NAND BUFFER,OC OP	DIL14P	+5V	70C	-	-	N001	VAR	SN74S38N
74S40	STL	BUF	DUAL 4-INPUT NAND BUFFER	DIL14P	+5V	70C	-	-	N008	VAR	SN74S40N
74S40FC	STL	NAN	NAND, BUFFER, 4IP, DUAL	FLP14	+5V	70C	44MA	6TPNS	N008	FAS	S54S40W
74S51	STL	AOI	DUAL 2-WIDE 2-INPUT AOI GATES	DIL14P	+5V	70C	-	-	Y003	VAR	SN74S51N
74S51FC	STL	AOI	AOI, 2IP, 2WIDE, DUAL	FLP14	+5V	70C	22MA	5 5TPNS	Y003	FAS	S54S51W
74S64	STL	AOI	4-2-3-2 INPUT AOI GATE	DIL14P	+5V	70C	-	-	Y020	VAR	SN74S64N
74S64FC	STL	AOI	AOI, 4-2-3-2IP, EXPANDABLE	FLP14	+5V	70C	16MA	5.5TPNS	Y020	FAS	S54S64W
74S65	STL	AOI	4-2-3-2 INPUT AOI GATE O/C O/P	DIL14P	+5V	70C	-	-	Y020	VAR	SN74S65N
74S65FC	STL	AOI	AOI, 4-2-3-2IP,OC OP,EXPANDBLE	FLP14	+5V	70C	16MA	6.5TPNS	Y020	FAS	S54S65W
74S74	STL	FFD	DUAL D-TYPE FLIP-FLOP	DIL14P	+5V	70C	-	-	F008	VAR	SN74S74N
74S74FC	STL	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	FLP14	+5V	70C	50MA	75MXMHZ	F008	FAS	S54S74W
74S85	STL	CMP	4-BIT COMPARATOR -	DIL16P	+5V	70C	-	-	Z005	VAR	SN74S85N
74S86	STL	XOR	QUAD EXCLUSIVE OR-GATE	DIL14P	+5V	70C	-	-	X001	VAR	SN74S86N
74S86FC	STL	XOR	EXCLUSIVE OR, 2IP, QUAD	FLP14	+5V	70C	50MA	30MXNS	X001	FAS	S54S86W
74S109DC	STL	FFJ	FF/J(-K), +ET,SEP S/R/CK, DUAL	DIL16C	+5V.	70C	52MA	75MXMHZ	F021	FAS	-
74S109FC	STL	FFJ	FF/J(-K), +ET,SEP S/R/CK, DUAL	FLP16	+5V	70C	52MA	75MXMHZ	F021	FAS	-
74S109PC	STL	FFJ	FF/J(-K), +ET,SEP S/R/CK, DUAL	DIL16P	+5V	70C	52MA	75MXMHZ	F021	FAS	-
74S112	STL	FFJ	DUAL JK FLIP FLOP PRESET+CLEAR	DIL16P	+5V	70C	-	-	F022	VAR	SN745112N
74S112FC	STL	FFJ	FF/JK, NEG ET,SEP S/R/CK, DUAL	FLP16	+5V	70C	50MA	80MXMHZ	F022	FAS	S54S112W
74S113	STL	FFJ	DUAL JK FLIP FLOP WITH PRESET	DIL14P	+5V	70C	-	-	F023	VAR	SN74S113N
74S113FC	STL	FFJ	FF/JK,(-)ET,SEP S/CK,NO R,DUAL	FLP14	+5V	70C	50MA	80MXMHZ	F023	FAS	S54S113W
74S114	STL	FFJ	DUAL JK FLIP FLOP PRESET+CLEAR	DIL14P	+5V	70C	-	-	F024	VAR	SN74S114N
74S114FC	STL	FFJ	FF/JK, -ET,COM R/CK,SEP S,DUAL	FLP14	+5V	70C	50MA	80MXMHZ	F024	FAS	S54S114W
74S124	STL	VCO	DUAL VOLTAGE CONTROLLED OSC	DIL16P	+5V	70C	-	-	V001	VAR	SN74S124N
74S132	STL	NAN	QUAD 2-INPUT NAND SCHMITT	DIL14P	+5V	70C	-	-	N001	VAR	SN74S132N
74S132FC	STL	SCH	NAND, 2IP,SCHMITT, QUAD	FLP14	+5V	70C	68MA	13MXNS	N001	FAS	-
74S133	STL	NAN	13-INPUT NAND GATE	DIL16P	+5V	70C	-	-	N012	VAR	SN74S133N
74S133FC	STL	NAN	NAND, 13IP	FLP16	+5V	70C	10MA	6.5TPNS	N012	FAS	S54S133W
74S134	STL	NAN	12-INPUT 3-STATE NAND	DIL16P	+5V	70C	-	-	N013	VAR	SN74S134N
74S134FC	STL	NAN	NAND, 12IP, 3S OP	FLP16	+5V	70C	25MA	21MXNS	N013	FAS	S54S134W
74S135	STL	XON	QUAD EXCLUSIVE OR/NOR GATE 3S	DIL16P	+5V	70C	-	-	X002	VAR	SN74S135N
74S135FC	STL	XON	EXCLUSIVE OR/NOR, QUAD	FLP16	+5V	70C	99MA	15MXNS	X002	FAS	S54S135W
74S136	STL	XOR	QUAD EXCLUSIVE OR O/C O/P	DIL14P	+5V	70C	-	-	X001	VAR	SN74S136N
74S137DC	STL	DCD	DECODER/DEMUX,3-8 LN,ADDR LTCH	DIL16C	+5V	70C	95MA	20MXNS	D005	FAS	-
74S137FC	STL	DCD	DECODER/DEMUX,3-8 LN,ADDR LTCH	FLP16	+5V	70C	95MA	20MXNS	D005	FAS	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
74S137PC	STL	DCD	DECODER/DEMUX,3-8 LN,ADDR LTCH	DIL16P	+5V	70C	95MA	20MXNS	D005	FAS	-
74S138	STL	DCD	3-TO-8 LINE DECODER/DEMUX	DIL16P	+5V	70C	-	-	D006	VAR	SN74S138N
74S138FC	STL	DCD	DECODER/DEMUX,3-8 LN, NO LATCH	FLP16	+5V	70C	74MA	12MXNS	D006	FAS	S54S138W
74S139	STL	DCD	DUAL 2-TO-4 LINE DECODER/DEMUX	DIL16P	+5V	70C	-	-	D007	VAR	SN74S139N
74S139FC	STL	DCD	DECODER/DEMUX,2-4 LINE, DUAL	FLP16	+5V	70C	90MA	12MXNS	D007	FAS	S54S139W
74S140	STL	LND	DUAL INPUT NAND LINE DRIVER	DIL16P	+5V	70C	-	-	N008	VAR	SN74S140N
74S140FC	STL	LND	LINE DRVR,4IP NAND,50 OHM,DUAL	FLP14	+5V	70C	44MA	18MXNS	N008	FAS	S54S140W
74S151	STL	SEL	8 BIT DATA SELECTOR	DIL16P	+5V	70C	-	-	M002	VAR	SN74S151N
74S151FC	STL	MUX	MUX/DATA SELECTOR, 8-TO-1 LINE	FLP16	+5V	70C	70MA	18MXNS	M002	FAS	S54S151W
74S153	STL	SEL	DUAL 4-TO-1 LINE SELECTOR	DIL16P	+5V	70C	-	-	M004	VAR	SN74S153N
74S153FC	STL	MUX	MUX/DATA SELECTOR,4-1 LIN,DUAL	FLP16	+5V	70C	70MA	18MXNS	M004	FAS	S54S153W
74S157	STL	SEL	QUAD 2-TO-1 LINE SELECTOR	DIL16P	+5V	70C	-	-	M005	VAR	SN74S157N
74S157FC	STL	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	FLP16	+5V	70C	81MA	15MXNS	M005	FAS	S54S157W
74S158	STL	SEL	QUAD 2-TO-1 LINE SELECTOR	DIL16P	+5V	70C	-	-	M006	VAR	SN74S158N
74S158FC	STL	MUX	MUX/DATA SELECTOR,INV OP 74157	FLP16	+5V	70C	81MA	12MXNS	M006	FAS	S54S158W
74S162	STL	CTR	SYNCHRONOUS DECADE COUNTER	DIL16P	+5V	70C	-	-	C005	VAR	SN74S162N
74S163	STL	CTR	SYNCHRONOUS BINARY COUNTER 4BT	DIL16P	+5V	70C	-	-	C005	VAR	SN74S163N
74S168	STL	CTR	SYNCHR. DECADE UP/DOWN COUNTER	DIL16P	+5V	70C	-	-	C006	VAR	SN74S168N
74S169	STL	CTR	SYNCH 4BT BIN UP/DWN COUNTER	DIL16P	+5V	70C	-	-	C006	VAR	SN74S169N
74S172	STL	REG	16BIT QUADRIPORT REGR FILE 3S	DIL24P	+5V	70C	-	-	R037	VAR	SN74S172N
74S174	STL	FFD	HEX D-TYPE FLIP-FLOP WITH CLR	DIL16P	+5V	70C	-	-	F025	VAR	SN74S174N
74S174FC	STL	FFD	FF/D, EDGE TRIG,COMM R/CK, HEX	FLP16	+5V	70C	144MA	75MXMHZ	F025	FAS	S54S174W
74S175	STL	FFD	QUAD D-TYPE FLIP-FLOP COMM CLR	DIL16P	+5V	70C	-	-	F026	VAR	SN74S175N
74S175FC	STL	FFD	FF/D, ET,COM R/CK,COMP OP,QUAD	FLP16	+5V	70C	96MA	75MXMHZ	F026	FAS	S54S175W
74S176	STL	CTR	COUNTER,DEC,2X5 DIV,PROG,LATCH	DIL14P	+5V	70C	-	-	C007	VAR	N74S176A
74S177	STL	CTR	COUNTER,HEX,2X8 DIV,PROG,LATCH	DIL14P	+5V	70C	-	-	C007	VAR	N74S177A
74S178	STL	SRG	SHIFT REG, L/R,4 BIT,1 OP,PIPO	DIL14P	+5V	70C	-	-	R011	VAR	SN74S178N
74S179	STL	SRG	SHIFT REG,L/R,4 BT,CMP OP,PIPO	DIL16P	+5V	70C	-	-	R012	SIG	SN74S179B
74S181	STL	ALU	4 BIT ARITHMETIC LOGIC UNIT	DIL24P	+5V	70C	-	-	Z010	VAR	SN74S181N
74S182	STL	LAC	CARRY-LOOK-AHEAD UNIT	DIL16P	+5V	70C	-	-	Z018	VAR	SN74S182N
74S188	STL	MEM	256=32X8 BIT PROM O/C O/P	DIL16P	+5V	70C	-	-	S007	VAR	SN74S188N
74S189	STL	MEM	64=16X4BT RAM, 3S INV O/P	DIL16P	+5V	70C	-	-	S001	VAR	SN74S189N
74S189FC	STL	MEM	RAM, 64=16X4 BIT, 3S INV OP	FLP16	+5V	70C	110MA	35MXNS	S001	FAS	-
74S194	STL	SRG	4 BIT SHIFT REGISTER PIPO	DIL16P	+5V	70C	-	-	R013	VAR	SN74S194N
74S194FC	STL	SRG	SHIFT REGISTER,4 BIT,L/R, PIPO	FLP16	+5V	70C	110MA	70MXMHZ	R013	FAS	S54S194W
74S195	STL	SRG	4-BIT SHIFT REGISTER PIPO	DIL16P	+5V	70C	-	-	R014	VAR	SN74S195N
74S196	STL	CTR	COUNTER,DEC,BCD/BIQUIN,RIPPLE	DIL14P	+5V	70C	-	-	C010	TII	SN74S196N
74S197N	STL	CTR	COUNTER,HEXADEC,4 BIT, RIPPLE	DIL14P	+5V	70C	-	-	C010	TII	SN74S197N
74S200	STL	MEM	RAM, 256=256X1 BT, 3S OP	DIL16P	+5V	70C	-	-	S009	TII	SN74S200N
74S201	STL	MEM	256=256X1 BIT RAM 3S OP	DIL16P	+5V	70C	-	-	S009	VAR	SN74S201N
74S206	STL	MEM	RAM, 256=256X1 BIT, OC OP	DIL16P	+5V	70C	-	-	S009	NAT	DM74S206N
74S207	STL	MEM	RAM,1K=256X4 BIT,3S, COMMON IO	DIL16P	+5V	70C	-	-	Z030	TII	SN74S207N
74S208	STL	MEM	RAM,1K=256X4 BT,3S,SEPARATE IO	DIL20P	+5V	70C	-	-	Z031	TII	SN74S208N
74S214	STL	MEM	RAM,1K=1024X1 BT,3S,CHP SELECT	DIL16P	+5V	70C	-	-	S010	TII	SN74S214N
74S225	STL	MEM	FIFO MEMORY, 16X5 BT,3S,ASYNCH	DIL20P	+5V	70C	-	-	S011	TII	SN74S225N
74S226	STL	TRX	4 BIT TRANSCEIVER 3S OP	DIL16C	+5V	70C	-	-	T005	VAR	SN74S226N
74S240	STL	INV	OCTAL INVERTER 3-STATE	DIL20P	+5V	70C	-	-	B004	VAR	SN74S240N
74S240FC	STL	LND	LINE DRIVER,3S,INV,LO EN,OCTAL	FLP20	+5V	70C	150MA	15MXNS	B004	FAS	-
74S241	STL	BUF	OCTAL BUFFER NON-INV 3-STATE	DIL20P	+5V	70C	-	-	B005	VAR	SN74S241N
74S242	STL	TRX	QUAD BUS TRANSCEIVER 3-STATE	DIL14P	+5V	70C	-	-	T001	VAR	DM74S242N
74S243	STL	TRX	QUAD BUS TRANSCEIVER 3-STATE	DIL14P	+5V	70C	-	-	T002	VAR	DM74S243N
74S244	STL	DVR	OCTAL 3-STATE DRIVER	DIL20P	+5V	70C	-	-	B006	VAR	SN74S244N
74S251	STL	SEL	8 INPUT SELECTOR 3 STATE	DIL16P	+5V	70C	-	-	M007	VAR	SN74S251N
74S251FC	STL	SEL	MUX/DATA SELECTOR,8-1 LINE, 3S	FLP16	+5V	70C	85MA	19.5MXNS	M007	FAS	S54S251W
74S253	STL	SEL	DUAL 4-TO-1 LINE SELECTOR 3S	DIL16P	+5V	70C	-	-	M008	VAR	74S253PC
74S253DC	STL	SEL	MUX/DATA SELECTR,4-1LN,3S,DUAL	DIL16C	+5V	70C	100MA	21MXNS	M008	FAS	DM74S253DC
74S253FC	STL	SEL	MUX/DATA SELECTR,4-1LN,3S,DUAL	FLP16	+5V	70C	100MA	21MXNS	M008	FAS	S54S253W
74S253PC	STL	SEL	MUX/DATA SELECTR,4-1LN,3S,DUAL	DIL16P	+5V	70C	100MA	21MXNS	M008	FAS	DM74S253N
74S257	STL	SEL	QUAD 2-TO-1 LN SELECTOR 3S	DIL16P	+5V	70C	-	-	M009	VAR	SN74S257N
74S257A	STL	SEL	QUAD 2-TO-1 LN SELECTOR 3S	DIL16P	+5V	70C	-	-	M009	VAR	SN74S257A
74S257ADC	STL	SEL	MUX/DATA SELECTR,2-1LN,3S,QUAD	DIL16C	+5V	70C	99MA	21MXNS	M009	FAS	-
74S257AFC	STL	SEL	MUX/DATA SELECTR,2-1LN,3S,QUAD	FLP16	+5V	70C	99MA	21MXNS	M009	FAS	-
74S257APC	STL	SEL	MUX/DATA SELECTR,2-1LN,3S,QUAD	DIL16P	+5V	70C	99MA	21MXNS	M009	FAS	-
74S257FC	STL	SEL	MUX/DATA SELECTR,2-1LN,3S,QUAD	FLP16	+5V	70C	99MA	21MXNS	M009	FAS	S54S257W
74S258	STL	SEL	QUAD 2-TO-1 LN SELECTOR 3S INV	DIL16P	+5V	70C	-	-	M010	VAR	SN74S258N
74S258FC	STL	SEL	MUX/DATA SELECTR,INV-OP-74257	FLP16	+5V	70C	87MA	12MXNS	M010	FAS	S54S258W
74S260	STL	NOR	DUAL 5-INPUT NOR GATE	DIL14P	+5V	70C	-	-	Q006	VAR	SN74S260N
74S260FC	STL	NOR	NOR, 5 INPUT, DUAL	FLP14	+5V	70C	45MA	6MXNS	Q006	FAS	S54S260W
74S266	STL	XNR	QUAD 2-INPUT EXCLUSIVE NOR O/C	DIL14P	+5V	70C	-	-	X003	SIG	N74S266B
74S270	STL	MEM	ROM, 2K=512X4 BIT, OC OP	DIL16P	+5V	70C	-	-	S012	TII	SN74S270N
74S271	STL	MEM	ROM, 2K=256X8 BIT, OC OP	DIL20P	+5V	70C	-	-	S013	TII	SN74S271N
74S274	STL	MLT	MULTIPLIER, 4X4 BT BINARY, 3S	DIL20P	+5V	70C	-	-	Z033	TII	SN74S274N
74S275	STL	XXX	WALLACE TREE, 7 BT SLICE,3S OP	DIL16P	+5V	70C	-	-	Z034	TII	SN74S275N
74S280	STL	PAR	9BT PARITY GENERATOR/CHECKER	DIL14P	+5V	70C	-	-	Z012	VAR	SN74S280N
74S280FC	STL	PAR	PARITY GENERATOR/CHECKER,9 BIT	FLP14	+5V	70C	105MA	21MXNS	Z012	FAS	S54S280W

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
74S281	STL	ACC	4BT PARALLEL BINARY ACCUMULATR	DIL24P	+5V	70C	-	-	Z035	VAR	SN74S281N
74S283	STL	ADD	4-BIT FULL ADDER	DIL16P	+5V	70C	-	-	Z013	VAR	SN74S283N
74S287	STL	MEM	PROM, 1K=256X4BIT, 3S OP	DIL16P	+5V	70C	-	-	S006	VAR	SN74S287N
74S288	STL	MEM	PROM, 256=32X8 BIT, 3S OP	DIL16P	+5V	70C	-	-	S007	VAR	SN74S288N
74S289	STL	MEM	RAM, 64=16X4 BIT, INV O/C O/P	DIL16P	+5V	70C	-	-	S001	VAR	SN74S289N
74S289FC	STL	MEM	RAM, 64=16X4 BIT,OC INV OP	FLP16	+5V	70C	105MA	35MXNS	S001	FAS	-
74S299	STL	SRG	8BT L/R SHIFT/STORAGE REG 3S	DIL20P	+5V	70C	-	-	R020	VAR	SN74S299N
74S299FC	STL	SRG	SHIFT REG,8 BIT,L/R SH,3S,PIPO	FLP20	+5V	70C	225MA	50MXMHZ	R020	FAS	-
74S300A	STL	MEM	RAM,256=256X1 BIT, OC OP	DIL16P	+5V	70C	-	-	S009	TII	SN74S300AN
74S301	STL	MEM	RAM, 256X1BT,O/C O/P	DIL16P	+5V	70C	-	-	S009	VAR	SN74S301N
74S301A	STL	MEM	RAM, 256X1BT,O/C O/P	DIL16P	+5V	70C	-	-	S009	VAR	SN74S301A
74S302	STL	MEM	RAM,256=256X1 BT,OC,POWER DOWN	DIL16P	+5V	70C	-	-	S009	TII	SN74S302N
74S302A	STL	MEM	RAM,256=256X1 BT,OC,POWER DOWN	DIL16P	+5V	70C	-	-	S009	TII	SN74S302AN
74S314	STL	MEM	RAM,IK=1024X1 BT,OC,CHP SELECT	DIL16P	+5V	70C	-	-	S010	TII	SN74S314N
74S340	STL	INV	OCTAL INVERTER 3S O/P	DIL20P	+5V	70C	-	-	B004	VAR	SN74S340N
74S341	STL	BUF	OCTAL BUFFER 3S O/P	DIL20P	+5V	70C	-	-	B005	VAR	SN74S341N
74S344	STL	DVR	OCTAL 3S DRIVER	DIL20P	+5V	70C	-	-	B006	VAR	SN74S344N
74S370	STL	MEM	ROM, 2K=512X4 BIT, 3S OP	DIL16P	+5V	70C	-	-	S012	TII	SN74S370N
74S371	STL	MEM	ROM, 2K=256X8 BIT, 3S OP	DIL20P	+5V	70C	-	-	S013	TII	SN74S371N
74S373	STL	LCH	OCTAL TRANSPARENT LATCH 3S	DIL20P	+5V	70C	-	-	L006	VAR	SN74S373N
74S374	STL	FFD	OCTAL D-TYPE FLIP-FLOP 3S O/P	DIL20P	+5V	70C	-	-	F027	VAR	SN74S374N
74S381	STL	ALU	ALU/FUNCTION GENERATOR,=25LS08	DIL20P	+5V	70C	-	-	Z038	VAR	SN74S381N
74S387	STL	MEM	PROM, 1K=256X4 BIT,OC OP	DIL16P	+5V	70C	-	-	S006	VAR	SN74S387N
74S412	STL	XXX	INPUT/OUTPUT PORT MPU	DIL24P	+5V	70C	-	-	L017	VAR	SN74S412N
74S428	STL	XXX	CONTROLLER,BUS,DRIVER FOR 8080	DIL28P	+5V	70C	-	-	B016	TII	SN74S428N
74S438	STL	XXX	CONTROLLER,BUS,DRIVER FOR 8080	DIL28P	+5V	70C	-	-	B013	TII	SN74S438N
74S470	STL	MEM	PROM, 2K=256X8 BIT,FUZ LNK, OC	DIL20P	+5V	70C	-	-	S013	VAR	SN74S470N
74S471	STL	MEM	PROM, 2K=256X8 BIT,FUZ LNK, 3S	DIL20P	+5V	70C	-	-	S013	VAR	SN74S471N
74S472	STL	MEM	PROM, 4K=512X8 BIT,FUZ LNK, OC	DIL20P	+5V	70C	-	-	S014	VAR	SN74S472N
74S473	STL	MEM	PROM, 4K=512X8 BIT,FUZ LNK, 3S	DIL20P	+5V	70C	-	-	S014	VAR	SN74S473N
74S474	STL	MEM	PROM, 4K BIT, ALT PIN 74S472	DIL24P	+5V	70C	-	-	S015	VAR	SN74S474N
74S475	STL	MEM	PROM, 4K BIT, ALT PIN 74S473	DIL24P	+5V	70C	-	-	S015	VAR	SN74S475N
74S481	STL	MIC	ALU, MICROPROCESSOR, 4BT SLICE	XTR48P	+5V	70C	-	-	W001	TII	SN74S481N
74S482	STL	XXX	CONTROLLER, 4BT SLICE, EXPDBLE	DIL20P	+5V	70C	-	-	W002	TII	SN74S482N
74S484	STL	CVR	BCD-TO-BINARY CONVERTER, 3S	DIL20P	+5V	70C	-	-	Z999	TII	SN74S484N
74S485	STL	CVR	BINARY-TO-BCD CONVERTER, 3S	DIL20P	+5V	70C	-	-	Z999	TII	SN74S485N
74S540	STL	TRX	OCTAL BUFFER LINE DVR/RCVR INV	DIL20P	+5V	70C	-	-	B010	VAR	SN74S540N
74S541	STL	TRX	OCTAL BUFFER LINE DVR/RCVR DIR	DIL20P	+5V	70C	-	-	B011	VAR	SN74S541N
74S544	STL	TRX	OCTAL BUFFER/LINE DVR/RX DIR	DIL20P	+5V	70C	-	-	Z999	TII	SN74S544N
74S570	STL	MEM	PROM,2K=512X4 BIT,OC OP	DIL16P	+5V	70C	-	-	Z999	NAT	DM74S570N
74S571	STL	MEM	PROM, 2K=512X4BT, 3S OP	DIL16P	+5V	70C	-	-	Z999	VAR	DM74S571N
74S740	STL	LND	OCTAL BUFFER/LINE-DRIVER 3S	DIL20P	+5V	70C	-	-	Z999	TII	SN74S740N
74S741	STL	LND	OCTAL BUFFER/LINE-DRIVER 3S	DIL20P	+5V	70C	-	-	Z999	TII	SN74S741N
74S744	STL	LND	OCTAL BUFFER/LINE-DRIVER 3S	DIL20P	+5V	70C	-	-	Z999	TII	SN74S744N
74S940	STL	BUF	OCTAL BUFFER 3S OP	DIL20P	+5V	70C	-	-	B026	VAR	DM74S940N
74S941	STL	BUF	OCTAL BUFFER 3S OP	DIL20P	+5V	70C	-	-	B026	VAR	DM74S941N
74SS SERIES	SST	-	ALTERN NAME FOR RAY74SS00 SER	-	-	-	-	-	-	RAY	RAY54SS00 SER
74SS00 SERIES	SST	-	FAMILY TITLE FOR RAY74SS00 SER	-	-	-	-	-	-	RAY	RAY74SS00 SER
82HS00 SERIES	STL	VAR	H(IGH) S(PEED) VRSN 8200 SER	-	+5V	VAR	-	-	-	SIG	N/S82HS00 SER
82LS00 SERIES	LST	VAR	LO PWR SCHOTTKY VRSN 8200 SER	-	+5V	VAR	-	-	-	SIG	N/S82LS00 SER
82S00 SERIES	STL	VAR	SCHOTTKY TTL VRSN 8200 SERIES	-	+5V	VAR	-	-	-	SIG	N/S82LS00 SER
84 SERIES	TTL	-	ALTERNATE NAME FOR 8400 SERIES	-	-	-	-	-	-	TII	SN8400 SERIES
84H SERIES	HTL	-	ALTERNATE NAME FOR 84H00 SER	-	-	-	-	-	-	-	SN84H00 SER
84H00 SERIES	HTL	-	FAMILY TITLE FOR SN84H00 SER	-	-	-	-	-	-	-	SN84H00 SER
84L SERIES	LTL	-	ALTERNATE NAME FOR 84L00 SER	-	-	-	-	-	-	-	SN84L00 SER
84L00 SERIES	LTL	-	FAMILY TITLE FOR SN84L00 SER	-	-	-	-	-	-	-	SN84L00 SER
84LS SERIES	LST	-	ALTERNATE NAME FOR 84LS00 SER	-	-	-	-	-	-	-	SN84LS00 SER
84LS00 SERIES	LST	-	FAMILY TITLE FOR SN84LS00 SER.	-	-	-	-	-	-	-	SN84LS00
84S SERIES	STL	-	ALTERNATE NAME FOR 84S00 SER	-	-	-	-	-	-	-	SN84S00 SER
84S00 SERIES	STL	-	FAMILY TITLE FOR SN84S00 SER	-	-	-	-	-	-	-	SN84S00 SER
93 SERIES	TTL	-	ADVERT JARGON FOR 9300P SER	DIL--P	+5V	70C	-	-	-	FAS	9300P SERIES
93H00 SERIES	HTL	-	HTL VERSION OF 9300 SERIES	-	+5V	VAR	-	-	-	FAS	-
93H00DC SER	HTL	-	CER DIL 75C VRSN OF 93H00 SER.	DIL--C	+5V	75C	-	-	-	FAS	-
93H00DM SER	HTL	-	CER DIL 125C VRSN OF 93H00 SER	DIL--C	+5V	125	-	-	-	FAS	-
93H00FM SER	HTL	-	FLAT PCK 125C VRSN OF 93H00 SR	FLP---	+5V	125	-	-	-	FAS	-
93H00PC SER	HTL	-	PLAS DIL 75C VRSN OF 93H00 SER	DIL--P	+5V	75C	-	-	-	FAS	-
93H000 SERIES	HTL	-	ALTERNATE NAME FOR 93H000 SER	-	+5V	VAR	-	-	-	FAS	-
93H00	HTL	SRG	SHIFT REGISTER, 4BIT, L/R	16LEAD	+5V	VAR	112MA	45MXMHZ	R014	FAS	54/74S195
93H72	HTL	SRG	SHIFT REGISTER, 4 BIT, L/R	16LEAD	+5V	VAR	135MA	45MXMHZ	R032	FAS	-
93H100 SERIES	HTL	-	HTL VERSN OF 93100 SERIES	-	+5V	VAR	-	-	-	FAS	-
93H100DC SER	HTL	-	CER DIL 75C VRSN 93H100 SERIES	DIL--C	+5V	75C	-	-	-	FAS	-
93H100DM SER	HTL	-	CER DIL 125C VRSN 93H100 SER.	DIL--C	+5V	125	-	-	-	FAS	-
93H100FM SER	HTL		FLAT PK 125C VRSN 93H100 SER.	FLP---	+5V	125	-	-	-	FAS	-
93H100PC SER.	HTL	-	PLAS DIL 75C VRSN 93H100 SER	DIL--P	+5V	75C	-	-	-	FAS	-
93L00	LTL	SRG	SHIFT REGISTER, 4BIT, L/R	16LEAD	+5V	VAR	23MA	-	-	FAS	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAK ER	SUBSTITUTE
93L00 SERIES	LTL	-	LTL VERSION OF 9300 SERIES	-	+5V	VAR	-	-	-	FAS	-
93L00DC SER.	LTL	-	CER DIL 75C VRSN OF 93L00 SER.	DIL--C	+5V	75C	-	-	-	FAS	-
93L00DM SER.	LTL		CER DIL 125C VRSN OF 93L00 SER	DIL--C	+5V	125	-	-	-	FAS	-
93L00FM SER.	LTL	-	FLAT PCK 125C VRSN OF 93L00 SR	FLP---	+5V	125	-	-	-	FAS	-
93L00PC SER.	LTL	-	PLAS DIL 75C VRSN OF 93L00 SER	DIL--P	+5V	75C	-	-	-	FAS	-
93L01	LTL	DCD	DECODER, 1-OF-10	16LEAD	+5V	VAR	13MA	36MXNS	D012	FAS	54/74L42
93L08	LTL	LCH	LATCH, 4 BIT, DUAL	24LEAD	+5V	VAR	29MA	45MXNS	L011	FAS	54/74L116
93L09	LTL	MUX	MULTIPLEXER, 4IP, DUAL	16LEAD	+5V	VAR	12MA	70MXNS	M013	FAS	-
93L10	LTL	CTR	COUNTER, BCD-DECADE	16LEAD	+5V	VAR	28MA	13MXMHZ	C004	FAS	54/74LS160
93L11	LTL	DCD	DECODER, 1-OF-16	24LEAD	+5V	VAR	17MA	75MXNS	D009	FAS	54/74L154
93L12	LTL	MUX	MULTIPLEXER, 8IP	16LEAD	+5V	VAR	14MA	60MXNS	M014	FAS	-
93L14	LTL	LCH	LATCH, 4 BIT	16LEAD	+5V	VAR	17MA	45MXNS	L012	FAS	-
93L16	LTL	CTR	COUNTER, BINARY, 4 BIT	16LEAD	+5V	VAR	28MA	13MXMHZ	C004	FAS	54/74LS161
93L18	LTL	ENC	ENCODER, PRIORITY, 8 IP	16LEAD	+5V	VAR	22MA	50MXNS	M015	FAS	54/74LS148
93L21	LTL	DCD	DECODER, 1-OF-4, DUAL	16LEAD	+5V	VAR	14MA	65TPNS	D007	FAS	54/74LS139
93L22	LTL	MUX	MULTIPLEXER, 2 IP, QUAD	16LEAD	+5V	VAR	14MA	49MXNS	M005	FAS	54/74L157
93L24	LTL	CMP	COMPARATOR, 5 BIT	16LEAD	+5V	VAR	21MA	35MXNS	Z016	FAS	-
93L28	LTL	SRG	SHIFT REGISTER, 8 BIT, DUAL	16LEAD	+5V	VAR	26MA	5MXMHZ	R030	FAS	-
93L34	LTL	LCH	LATCH, 8 BIT, ADDRESSABLE	16LEAD	+5V	VAR	26MA	45MXNS	L004	FAS	54/74LS259
93L38	LTL	REG	REGISTER, MULTIPORT, 8 BIT	16LEAD	+5V	VAR	33MA	95MXNS	R031	FAS	-
93L41	LTL	ALU	ALU, 4 BIT	24LEAD	+5V	VAR	36MA	22MXNS	Z010	FAS	54/74LS181
93L400 SERIES	LTL	MEM	LTL VERSION OF 93400 SERIES	-	+5V	VAR	-	-	-	FAS	-
93L400DC SER.	LTL	MEM	CER DIL 75C VRSN 93L400 SERIES	DIL--C	+5V	75C	-	-	-	FAS	-
93L400DM SER.	LTL	MEM	CER DIL 125C VRSN 93L400 SER.	DIL--C	+5V	125	-	-	-	FAS	-
93L400FM SER.	LTL	MEM	FLAT PK 125C VRSN 93L400 SER	FLP---	+5V	125	-	-	-	FAS	-
93L400PC SER.	LTL	MEM	PLAS DIL 75C VRSN 93L400 SER	DIL--P	+5V	75C	-	-	-	FAS	-
93L412	TTL	MEM	RAM, 1K=256X4 BIT, OC,LO POWER	24LEAD	+5V	VAR	90MA	75MXNS	S019	FAS	54/74L214
93L415	TTL	MEM	RAM, 1K=1024X1 BIT,OC,LO POWER	16LEAD	+5V	VAR	65MA	70MXNS	S010	FAS	54/74L314
93L420	LTL	MEM	RAM, 256=256X1BT, 3S, LO POWER	16LEAD	+5V	VAR	100MA	55MXNS	S009	FAS	-
93L421	LTL	MEM	RAM, 256=256X1BT, 3S, LO POWER	16LEAD	+5V	VAR	100MA	100MXNS	S009	FAS	54/74L200
93L422	LTL	MEM	RAM, 1K=256X4 BIT,3S, HI SPEED	22LEAD	+5V	VAR	80MA	75MXNS	S019	FAS	-
93L425	LTL	MEM	RAM, 1K=1024X1 BIT, 3S,LO PWR	16LEAD	+5V	VAR	65MA	70MXNS	S010	FAS	54/74L214
93L470	LTL	MEM	RAM, 4K=4096X1 BIT, OC	18LEAD	+5V	VAR	80MA	40TPNS	S034	FAS	-
93L471	LTL	MEM	RAM, 4K=4096X1 BIT, 3S	18LEAD	+5V	VAR	80MA	40TPNS	S034	FAS	-
93S00	STL	SRG	SHIFT REGISTER, 4BIT, L/R	16LEAD	+5V	VAR	120MA	70MXMHZ	R014	FAS	54/74S195
93S00 SERIES	STL	-	STL VERSION OF 9300 SERIES	-	+5V	VAR	-	-	-	FAS	-
93S00DC SER.	STL	-	CER DIL 75C VERSN OF 93S00 SER	DIL--C	+5V	75C	-	-	-	FAS	-
93S00DM SER.	STL	-	CER DIL 125C VRSN OF 93S00 SER	DIL--C	+5V	125	-	-	-	FAS	-
93S00FM SER	STL	-	FLAT PK 125C VRSN OF 93S00 SER	FLP---	+5V	125	-	-	-	FAS	-
93S00PC SER.	STL	-	PLAS DIL 75C VRSN OF 93S00 SER	DIL--P	+5V	75C	-	-	-	FAS	-
93S000 SERIES	STL	-	ALTERNATE NAME FOR 93S100 SER.	-	+5V	VAR	-	-	-	FAS	-
93S10	STL	CTR	COUNTER, BCD-DECADE	16LEAD	+5V	VAR	127MA	70MXMHZ	C004	FAS	54/74LS160
93S12	STL	MUX	MULTIPLEXER, 8IP	16LEAD	+5V	VAR	62MA	17MXNS	M014	FAS	-
93S16	STL	CTR	COUNTER, BINARY, 4 BIT	16LEAD	+5V	VAR	-	70MXMHZ	C004	FAS	-
93S41	STL	ALU	ALU, 4 BIT	24LEAD	+5V	VAR	150MA	12MXNS	Z010	FAS	54/74S181
93S42	STL	LAC	LOOK AHEAD CARRY GENERATOR	16LEAD	+5V	VAR	80MA	12MXNS	Z018	FAS	54/74S182
93S43	STL	MLT	MULTIPLIER, 2'S COMPLT,4BTX2BT	24LEAD	+5V	VAR	-	20TPNS	Z019	FAS	-
93S62	STL	PAR	PARITY GEN/CHECKER, 9 BIT	14LEAD	+5V	VAR	65MA	26MXNS	Z023	FAS	-
93S100 SERIES	STL	-	STL VERSN OF 93100 SERIES	-	+5V	STL	-	-	-	FAS	-
93S100DC SER	STL	-	CER DIL 75C VRSN 93S100 SER	DIL--C	+5V	75C	-	-	-	FAS	-
93S100DM SER	STL	-	CER DIL 125C VRSN 93S100 SER	DIL--C	+5V	125	-	-	-	FAS	-
93S100FM SER	STL	-	FLAT PK 125C VRSN 93S100 SER	FLP---	+5V	125	-	-	-	FAS	-
93S100PC SER	STL	-	PLAS DIL 75C VRSN 93S100 SER.	DIL--P	+5V	75C	-	-	-	FAS	-
93S137	STL	DCD	DECODER, 1-OF-8, IP LATCHES	16LEAD	+5V	VAR	80MA	14MXNS	-	FAS	54/74S137
95H00 SERIES	ECL	-	FAIRCHILD PROPRIETARY ECL SER	-	-5.2V	125	-	-	-	FAS	-
95H00DC SER	ECL	-	75C VERSION OF 95H00D SERIES	DIL--C	-5.2V	75C	-	-	-	FAS	-
95H00DM SER.	ECL	-	125C VERSION OF 95H00D SERIES	DIL--C	-5.2V	125	-	-	-	FAS	-
95H00D	ECL	SRG	SHIFT REGISTER, 4 BIT	DIL16C	-5.2V	VAR	600MW	150MXMHZ	Z999	FAS	-
95H02D	ECL	ORN	OR/NOR, 4 IP- 1 COMMON IP,DUAL	DIL16C	-5.2V	VAR	250MW	1.6TPNS	Z999	FAS	-
95H03D	ECL	ORN	OR/NOR, 3IP-1 COMMON IP,TRIPLE	DIL16C	-5.2V	VAR	350MW	1.6MXNS	Z999	FAS	-
95H04D	ECL	NOR	NOR, 2IP+1 COMMON IP, QUAD	DIL16C	-5.2V	VAR	400MW	1.6TPNS	Z999	FAS	-
95H16D	ECL	CTR	COUNTER, BIN, MODULO 2-4-8-16	DIL16C	-5.2V	VAR	700MW	200MXMHZ	Z999	FAS	-
95H22D	ECL	ORN	OR/NOR, 4IP+1 COMMON IP, DUAL	DIL16C	-5.2V	VAR	200MW	1.6TPNS	Z999	FAS	-
95H23D	ECL	ORN	OR/NOR, 3IP+1 COMMON IP,TRIPLE	DIL16C	-5.2V	VAR	350MW	1.6TPNS	Z999	FAS	-
95H24D	ECL	NOR	NOR, 2IP+1 COMMON IP, QUAD	DIL16C	-5.2V	VAR	120MW	1.6TPNS	Z999	FAS	-
95H28D	ECL	FFD	FF/D, DUAL	DIL16C	-5.2V	VAR	500MW	3.6TPNS	Z999	FAS	-
95H29D	ECL	FFJ	FF/JK	DIL16C	-5.2V	VAR	250MW	3TPNS	Z999	FAS	-
95H55D	ECL	CMP	COMPARATOR, 4 BIT	DIL16C	-5.2V	VAR	600MW	6TPNS	Z999	FAS	-
95H84D	ECL	ADD	ADDER/SUBTRACTOR, 2X2 IP BITS	DIL16C	-5.2V	VAR	800MW	4.6MXNS	Z999	FAS	-
95H90D	ECL	CTR	COUNTER,PRESCALER,DIV BY 10/11	DIL16C	-5.2V	VAR	600MW	320MXMHZ	Z999	FAS	-
95H91D	ECL	CTR	COUNTER, PRESCALER,DIV BY 5/6	DIL16C	-5.2V	VAR	600MW	5TPNS	Z999	FAS	-
95K SERIES	ECL	-	ALTERNATE TITLE FOR95000 SER.	-	-5.2V	VAR	-	-	-	FAS	-
95L00 SERIES	ECL	-	FAIRCHILD PROPRIETARY ECL SER	-	-5.2V	125	-	-	-	FAS	-
95L00DC	ECL	-	75C VERSION OF 95L00D SERIES	DIL--C	-5.2V	75C	-	-	-	FAS	-
95L00DM SER.	ECL	-	125C VERSION OF 95L00D SERIES	DIL--C	-5.2V	125	-	-	-	FAS	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
95L22D	ECL	ORN	OR/NOR, 4IP+1 COMMON IP DUAL	DIL16C	-5 2V	VAR	80MW	2TPNS	Z999	FAS	-
95L23D	ECL	ORN	OR/NOR, 3IP+1 COMMON IP TRIPLE	DIL16C	-5 2V	VAR	100MW	2TPNS	Z999	FAS	-
95L24D	ECL	NOR	NOR, 2IP+1 COMMON IP QUAD	DIL16C	-5 2V	VAR	120MW	2 0TPNS	Z999	FAS	-
96L02	LTL	MON	MONOSTABLE MULTI RETRIG DUAL	16LEAD	+5V	VAR	16MA	80MXNS	U006	FAS	-
96LS02	LST	MON	MONOSTABLE MULTI RETRIG, DUAL	16LEAD	+5V	VAR	36MA	60MXNS	U006	FAS	-
96LS32	TTL	XXX	ADDRESS MUX/REFRESH COUNTER	24LEAD	+5V	VAR	-	-	Z023	FAS	-
96LS42	LST	XXX	ADDRESS MUX/REFRESH COUNTER	DIL28	+5V	VAR	-	-	Z024	FAS	-
96S02	STL	MON	MONOSTABLE MULTI, RETRIG, DUAL	16LEAD	+5V	VAR	75MA	20MXNS	U006	FAS	-
301	HNL	NAN	NAND, POWER, 5IP, DUAL	DIL16	-	-	-	-	-	TEL	OBSOLETE
302	HNL	NAN	NAND, POWER, 2IP, OC OP, QUAD	DIL16	-	-	-	-	-	TEL	OBSOLETE
303	HNL	NAN	NAND POWER, 2IP,PASSV PU,QUAD	DIL16	-	-	-	-	-	TEL	OBSOLETE
304	HNL	NAN	NAND, POWER, 2IP, QUAD	DIL16	-	-	-	-	-	TEL	OBSOLETE
306	HNL	NOR	NOR 2IP, DUAL + 3IP, DUAL	DIL16	-	-	-	-	-	TEL	OBSOLETE
307	HNL	NOR	NOR, 2IP DUAL + 3IP, DUAL	DIL16	-	-	-	-	-	TEL	OBSOLETE
311	HNL	FFJ	FF/JK, RST, DUAL	DIL16	-	-	-	-	-	TEL	OBSOLETE
312	HNL	FFJ	FF/JK (RS), DUAL	DIL16	-	-	-	-	-	TEL	OBSOLETE
313	HNL	FFJ	FF/JK, MS, DUAL	DIL16	-	-	-	-	-	TEL	OBSOLETE
321	HNL	NAN	NAND, 2IP QUAD	DIL16	-	-	-	-	-	TEL	OBSOLETE
322	HNL	NAN	NAND, 5IP, DUAL	DIL16	-	-	-	-	-	TEL	OBSOLETE
323	HNL	NAN	NAND, 2IP, OC OP, QUAD	DIL16	-	-	-	-	-	TEL	OBSOLETE
324	HNL	NAN	NAND, 2IP, PASSIVE PU, QUAD	DIL16	-	-	-	-	-	TEL	OBSOLETE
325	HNL	NAN	NAND, 2-3-3-3 IP	DIL16	-	-	-	-	-	TEL	OBSOLETE
326	HNL	NAN	NAND, 2-3-3-3 IP, PASSIVE PU	DIL16	-	-	-	-	-	TEL	OBSOLETE
331	HNL	EXP	EXPANDER, 5IP, DUAL	DIL16	-	-	-	-	-	TEL	OBSOLETE
332	HNL	INV	INVERTER, OC OP, HEX	DIL16	-	-	-	-	-	TEL	OBSOLETE
333	HNL	INV	INVERTER, PASSIVE PU, HEX	DIL16	-	-	-	-	-	TEL	OBSOLETE
334	HNL	INV	INVERTER, OC OP, STROBE, HEX	DIL16	-	-	-	-	-	TEL	OBSOLETE
335	HNL	INV	INVERTER, PASSIV PU,STROBE,HEX	DIL16	-	-	-	-	-	TEL	OBSOLETE
336	HNL	INV	INVERTER, OC OP, STROBE, HEX	DIL16	-	-	-	-	-	TEL	OBSOLETE
341	HNL	AOI	AOI, 2IP, DUAL	DIL16	-	-	-	-	-	TEL	OBSOLETE
342	HNL	MON	MONOSTABLE MULTIVIBRATOR, DUAL	DIL16	-	-	-	-	-	TEL	OBSOLETE
343	HNL	CMP	COMPARATOR, 4 BIT	DIL16	-	-	-	-	-	TEL	OBSOLETE
344	HNL	AND	AND/NOR, EXPANDABLE	DIL16	-	-	-	-	-	TEL	OBSOLETE
347	HNL	MON	MONOSTABLE MULTI RETRIG DUAL	DIL16	-	-	-	-	-	TEL	OBSOLETE
349	HNL	MON	MONOSTABLE MULTI DUAL	DIL16	-	-	-	-	-	TEL	OBSOLETE
350	HNL	MUX	MUX, 8 BIT	DIL16	-	-	-	-	-	TEL	OBSOLETE
351	HNL	MUX	MUX, 4 BIT DUAL	DIL16	-	-	-	-	-	TEL	OBSOLETE
355	HNL	MON	MONOSTABLE MULTI (DIL8)	DIL8P	-	-	-	-	-	TEL	OBSOLETE
361	HNL	XXX	INTERFACE, DUAL-IP	DIL16	-	-	-	-	-	TEL	OBSOLETE
362	HNL	XXX	INTERFACE, DUAL OP	DIL16	-	-	-	-	-	TEL	OBSOLETE
363	HNL	XXX	INTERFACE QUAD OP	DIL16	-	-	-	-	-	TEL	OBSOLETE
367	HNL	RCV	RECEIVER LINE, SCHMITT QUAD	DIL16	-	-	-	-	-	TEL	OBSOLETE
368	HNL	RCV	RECEIVER LINE,SCHMITT,OC,QUAD	DIL16	-	-	-	-	-	TEL	OBSOLETE
370	HNL	FFD	FF/D, PASSIVE PULLUP QUAD	DIL16	-	-	-	-	-	TEL	OBSOLETE
371	HNL	CTR	COUNTER DECADE PASSIVE PU	DIL16	-	-	-	-	-	TEL	OBSOLETE
372	HNL	CTR	COUNTER HEXADEC PASSIVE PU	DIL16	-	-	-	-	-	TEL	OBSOLETE
373	HNL	CTR	COUNTER, BCD, UP/DOWN,RES PU	DIL16	-	-	-	-	-	TEL	OBSOLETE
374	HNL	CTR	COUNTER, HEXADEC UP/DOWN,R PU	DIL16	-	-	-	-	-	TEL	OBSOLETE
375	HNL	SRG	SHIFT REGISTER 4 BIT	DIL16	-	-	-	-	-	TEL	OBSOLETE
380	HNL	DCD	DECODER/LINE-DRIVER,BCD-DEC,OC	DIL16	-	-	-	-	-	TEL	OBSOLETE
381	HNL	DCD	DECODER BCD-DECADE OC OP	DIL16	-	-	-	-	-	TEL	OBSOLETE
382	HNL	DED	DECODER BCD-DEC, GAS DISCHRGE	DIL16	-	-	-	-	-	TEL	OBSOLETE
383	HNL	DCD	DECODER/DRIVER, BCD-7 SEGMENT	DIL16	-	-	-	-	-	TEL	OBSOLETE
660	HNL	NAN	NAND 4IP,EXPDBL,ACTIV PU DUAL	DIL14	+15V	75C	150MW	110TPNS	N015	MOT	-
661	HNL	NAN	NAND 4IP,EXPDBL,PASSV PU,DUAL	DIL14	+15V	75C	150MW	125TPNS	N015	MOT	-
662	HNL	LND	LINE DRVR, 4IP,NAND,EXPDB DUAL	DIL14	+15V	75C	360MW	140TPNS	N015	MOT	-
663	HNL	FFJ	FF/JK DUAL	DIL14	+15V	75C	400MW	3TPMHZ	-	MOT	-
664	HNL	FFR	FF/RS, MASTER-SLAVE	DIL14	+15V	75C	320MW	3TPMHZ	F040	MOT	-
665	HNL	LSH	LEVEL SHIFT, HNL-TO-TTL,TRIPLE	DIL14	+15V	75C	200MW	40TPNS	-	MOT	-
666	HNL	LSH	LEVEL SHIFT, TTL-TO-HNL,TRIPLE	DIL14	+15V	75C	210MW	40TPNS	-	MOT	-
667	HNL	MON	MULTI, MONOSTABLE, DUAL	DIL14	+15V	75C	480MW	140TPNS	-	MOT	-
668	HNL	NAN	NAND, 2IP, PASSIVE PU QUAD	DIL14	+15V	75C	350MW	125TPNS	N001	MOT	-
669	HNL	EXP	EXPANDER, 4IP, DUAL	DIL14	+15V	75C	-	-	-	MOT	-
670	HNL	NAN	NAND, 3IP, PASSIVE PU, TRIPLE	DIL14	+15V	75C	250MW	125TPNS	N004	MOT	-
671	HNL	NAN	NAND, 3IP, ACTIVE PU, TRIPLE	DIL14	+15V	75C	250MW	110TPNS	N004	MOT	-
672	HNL	NAN	NAND, 2IP, ACTIVE PU, QUAD	DIL14	+15V	75C	350MW	110TPNS	N001	MOT	-
673	HNL	AOI	AOI, 2IP, ACTIVE PU, DUAL	DIL14	+15V	75C	300MW	110TPNS	-	MOT	-
674	HNL	AOI	AOI, 2IP, PASSIV PU, DUAL	DIL14	+15V	75C	300MW	125TPNS	-	MOT	-
675	HNL	MON	PULSE STRETCHER MONO DUAL	DIL14	+15V	75C	350MW	150TPNS	-	MOT	-
676	HNL	DCD	DECODER-DRIVER, BCD-TO-DECIMAL	DIL16	+15V	75C	700MW	-	-	MOT	-
677	HNL	INV	INVERTER, ACTIVE PU,STROBE,HEX	DIL16	+15V	75C	450MW	110TPNS	-	MOT	-
678	HNL	INV	INVERTER, NO OP R, STROBE, HEX	DIL16	+15V	75C	350MW	125TPNS	-	MOT	-
679	HNL	LMP	LAMP/LINE DRIVER, DUAL	DIL14	+15V	75C	500MW	500TPNS	N015	MOT	-
680	HNL	INV	INVERTER ACTIVE PU HEX	DIL14	+15V	75C	500MW	110TPNS	I001	MOT	-
681	HNL	INV	INVERTER, OC OP, HEX	DIL14	+15V	75C	380MW	125TPNS	I001	MOT	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
682	HNL	LCH	LATCH, QUAD	DIL16	+15V	75C	700MW	250TPNS	-	MOT	-
683	HNL	XOR	EXCLUSIVE-OR, 2IP, QUAD	DIL14	+15V	75C	750MW	-	X001	MOT	-
684	HNL	CTR	COUNTER, DECADE	DIL16	+15V	75C	900MW	0.5TPMHZ	-	MOT	-
685	HNL	CTR	COUNTER, BINARY	DIL16	+15V	75C	900MW	0.5TPMHZ	-	MOT	-
686	HNL	SRG	SHIFT REGISTER, 4 BIT	DIL16	+15V	75C	900MW	0.5TPMHZ	-	MOT	-
688	HNL	FFJ	FF/JK, DUAL	DIL16	+15V	75C	700MW	2.5TPMHZ	-	MOT	-
689	HNL	INV	INVERTER, HIGH VOLTAGE, HEX	DIL14	+15V	75C	350MW	150TPNS	I001	MOT	-
690	HNL	INV	INVERTER, ACTIVE PU, HEX	DIL14	+15V	75C	350MW	150TPNS	I001	MOT	-
691	HNL	INV	INVERTER/INTERFACE ELEMENT,HEX	DIL14	+15V	75C	350MW	150TPNS	I001	MOT	-
696	HNL	TRX	LINE DRVR/RCVR, 25V IFACE,DUAL	DIL16	+15V	75C	450MW	750TPNS	-	MOT	-
697	HNL	INV	INVERTER, PASSIVE PU, HEX	DIL16	+15V	75C	350MW	150TPNS	I001	MOT	-
699	HNL	AND	AND, POWER, 2IP, DUAL	DIL14	+15V	75C	-	-	-	MOT	-
700 SERIES	-	-	55C VERSION OF 125C 900 SERIES	-	+5V	55C	-	-	-	VAR	900 SERIES
800 SERIES	-	-	75C VERSION OF 125C 900 SERIES	-	+5V	75C	-	-	-	MOT	900 SERIES
830 SERIES	DTL	-	DTL PART OF 800 SERIES	-	+5V	75C	-	-	-	MOT	930 SERIES
900 SERIES	-	-	FAIRCHILD DTL,RTL,CTL 900 SER	-	+3/5V	-	-	-	-	FAS	-
900 SERIES	-	-	GENERIC NOS FOR OBS MC900 SER	-	-	-	-	-	-	VAR	900 SERIES
900FM SERIES	RTL	-	FLP PACKAGE VERSN OF 900 SER	FLP---	+3.5V	125	-	-	-	FAS	-
900HC SERIES	RTL	-	TO5 75C VERSION OF 900 SERIES	TO5	+3/5V	75C	-	-	-	FAS	-
900HM SERIES	RTL	-	TO5 125C VERSION OF 900 SERIES	TO5---	+3/5V	125	-	-	-	FAS	-
900	RTL	BUF	BUFFER	8,10LD	+3.5V	125	70MW	20TPNS	B012	MOT	OBSOLETE
901	RTL	CTR	COUNTER ADAPTER	TO5/8	+3.5V	125	80MW	22TPNS	C018	MOT	OBSOLETE
902	RTL	FFR	RS FLIP FLOP	TO5/8	+3.5V	125	40MW	14TPNS	F039	MOT	OBSOLETE
903	RTL	NOR	NOR, 3IP	8,10LD	+3.5V	125	30MW	12TPNS	Q009	MOT	OBSOLETE
904	RTL	ADD	ADDER, HALF	8,10LD	+3.5V	125	80MW	14TPNS	Z025	MOT	OBSOLETE
905	RTL	SRG	SHIFT REGISTER, HALF	8,10LD	+3.5V	125	75MW	22TPNS	R033	MOT	OBSOLETE
906	RTL	SRG	SHIFT REGISTER, HALF,W/O INV	8,10LD	+3.5V	125	50MW	22TPNS	R034	MOT	OBSOLETE
907	RTL	NOR	NOR, 4IP	8,10LD	+3.5V	125	30MW	12TPNS	Q010	MOT	OBSOLETF
908	RTL	ADD	ADDER, HALF	8,10LD	+3.5V	125	21MW	60TPNS	Z026	MOT	OBSOLETE
909	RTL	BUF	BUFFER, 2IP	8,10LD	+3.5V	125	24MW	57TPNS	B013	MOT	OBSOLETE
910	RTL	NOR	NOR, 2IP, DUAL	8,10LD	+3.5V	125	12MW	27TPNS	Q011	MOT	OBSOLETE
911	RTL	ORN	OR/NOR, 4 IP	8,10LD	+3.5V	125	10MW	60TPNS	Q012	MOT	OBSOLETE
912	RTL	ADD	ADDER, HALF	8,10LD	+3.5V	125	18MW	57TPNS	Z027	MOT	OBSOLETE
913	RTL	FFD	D-TYPE FLIP FLOP	8,10LD	+3.5V	125	24MW	75TPNS	F036	MOT	OBSOLETE
914	RTL	NOR	NOR, 2 IP, DUAL	8,10LD	+3.5V	125	60MW	12TPNS	Q013	MOT	OBSOLETE
915	RTL	NOR	NOR, 3IP, DUAL	8,10LD	+3.5V	125	60MW	12TPNS	Q014	MOT	OBSOLETE
916	RTL	FFJ	JK FLIP FLOP	8,10LD	+3.5V	125	100MW	30TPNS	-	MOT	OBSOLETE
917	RTL	NOR	NOR, 2 IP, QUAD	8,10LD	+3.5V	125	24MW	27TPNS	-	MOT	OBSOLETE
918	RTL	NOR	NOR, 3IP, DUAL	8,10LD	+3.5V	125	15MW	27TPNS	-	MOT	OBSOLETE
919	RTL	NOR	NOR, 4 IP, DUAL	8,10LD	+3.5V	125	18MW	27TPNS	-	MOT	OBSOLETE
920	RTL	FFJ	JK FLIP FLOP	8,10LD	+3.5V	125	24MW	50TPNS	-	MOT	OBSOLETE
921	RTL	EXP	EXPANDER, GATE, 2 IP, DUAL	8,10LD	+3.5V	125	5MW	27TPNS	E008	MOT	OBSOLETE
922	RTL	FFJ	JK FLIP FLOP	8,10LD	+3.5V	125	24MW	70TPNS	-	MOT	OBSOLETE
923	RTL	FFJ	JK FLIP FLOP	TO5/8	+3.5V	125	150MW	30TPNS	F037	MOT	OBSOLETE
924	RTL	NOR	NOR, 2 IP, QUAD	14LEAD	+3.5V	125	120MW	12TPNS	-	MOT	OBSOLETE
925	RTL	NOR	NOR, 4 IP, DUAL	14LEAD	+3.5V	125	60MW	12TPNS	-	MOT	OBSOLETE
926	RTL	FFJ	JK FLIP FLOP	10LEAD	+3.5V	125	200MW	35TPNS	F038	MOT	OBSOLETE
927	RTL	INV	INVERTER, QUAD	10LEAD	+3.5V	125	120MW	12TPNS	I003	MOT	OBSOLETE
928	RTL	NOR	NOR, 5 IP	10LEAD	+3.5V	125	10MW	27TPNS	-	MOT	OBSOLETE
929	RTL	NOR	NOR, 5 IP	8,10LD	+5V	125	-	-	-	MOT	OBSOLETE
930 SERIES	DTL	-	PART 930/1800/9090/9100 DTL SR	-	+5V	-	-	-	-	FAS	-
930	DTL	NAN	NAND, 4IP, EXPANDABLE, DUAL	10/14L	+5V	125	35MW	30TPNS	N015	FAS	-
931	DTL	FF-	FF, CLOCKED	10/14L	+5V	125	80MW	40TPNS	-	FAS	-
932	DTL	NAN	NAND, BUFFER, 4IP EXPNDBL,DUAL	10/14L	+5V	125	140MW	35TPNS	N015	FAS	-
933	DTL	EXP	EXPANDER, 4IP, DUAL	10,14L	+5V	125	-	-	E009	FAS	-
934	DTL	INV	INVERTER, HEX	14LEAD	+5V	125	100MW	30TPNS	-	FAS	-
935	DTL	INV	INVERTER, OC OP,EXPANDABLE,HEX	14LEAD	+5V	125	75MW	30TPNS	I001	FAS	-
936	DTL	INV	INVERTER, HEX	14LEAD	+5V	125	100MW	30TPNS	I001	FAS	-
937	DTL	INV	INVERTER, HEX	14LEAD	+5V	125	140MW	25TPNS	I001	FAS	-
938	DTL	CTR	COUNTER, DECADE, 30MHZ	14LEAD	+5V	125	250MW	30MNMHZ	Z998	FAS	-
939	DTL	CTR	COUNTER, 4 BIT BINARY, 30MHZ	14LEAD	+5V	125	240MW	30MNMHZ	-	FAS	-
940	DTL	INV	INVERTER, W/O IP DIODES, HEX	14LEAD	+5V	125	100MW	30TPNS	I001	FAS	-
941	DTL	MON	MONOSTABLE MULTIVIBRATOR	14LEAD	+5V	125	60MW	30TPNS	U007	FAS	-
941	DTL	INV	INVERTER, OC,W/O IP DIODES,HEX	14LEAD	+5V	125	65MW	30TPNS	I001	FAS	-
942	DTL	XXX	FF/D + 2 WIDE,2 IP NAND	14LEAD	+5V	125	200MW	40TPNS	-	FAS	-
943	DTL	AND	AND, DRIVER, 4IP, NOR STROBE	TO5/10	+5V	125	80MW	80TPNS	-	FAS	-
944	DTL	NAN	NAND, BUFFER,4IP,OC,EXPBL,DUAL	10,14L	+5V	125	100MW	27TPNS	N015	FAS	-
945	DTL	FFR	FF/RS, CLOCKED	10,14L	+5V	125	100MW	40TPNS	F040	FAS	-
946	DTL	NAN	NAND, 2IP, QUAD	TO5/10	+5V	125	70MW	30TPNS	N001	FAS	-
947	DTL	EXP	EXPANDER, 2IP, QUAD	14LEAD	+5V	125	-	-	-	FAS	-
948	DTL	FFR	FF/RS, CLOCKED	10/14L	+5V	125	110MW	40TPNS	F040	FAS	-
949	DTL	NAN	NAND, 2IP, 2K PULLUPS, QUAD	10/14L	+5V	125	100MW	25TPNS	N001	FAS	-
950	DTL	FFR	FF/RS, AC COUPLED	10/14L	+5V	125	80MW	15TPNS	F041	FAS	-
951	DTL	MON	MONOSTABLE MULTIVIBRATOR	14LEAD	+5V	125	50MW	40TPNS	U007	FAS	-
952	DTL	FFJ	FF/JK, COMM CK/R,SEP S, DUAL	14LEAD	+3.5V	125	200MW	40TPNS	F042	FAS	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
953	DTL	FFJ	FF/JK, SEP. CK/S,NO R, DUAL	14LEAD	+5V	125	200MW	40TPNS	F023	FAS	-
955	DTL	FFJ	FF/JK, COMM CK/R,SEP S, DUAL	14LEAD	+5V	125	200MW	40TPNS	F042	FAS	-
956	DTL	FFJ	FF/JK, SEP CK/S, NO R, DUAL	14LEAD	+5V	125	200MW	40TPNS	F023	FAS	-
957	DTL	BUF	BUFFER, NAND, 2IP, QUAD	14LEAD	+5V	125	250MW	35TPNS	N018	FAS	-
958 (FAS)	RTL	CTR	COUNTER, DECADE (= 9158)	8,14LD	+5V	125	-	-	-	FAS	9518
958 (MOT)	DTL	NAN	NAND, DRIVER, 2IP, QUAD	14LEAD	+5V	125	200MW	30TPNS	N018	MOT	-
959 (FAS)	RTL	LCH	LATCH, 4 BIT	DIL16C	+3.5V	125	-	-	-	FAS	-
960 (FAS)	DTL	DCD	DECODER/DRIVER, BCD (=9160)	DIL16C	+5V	125	-	-	-	FAS	-
961	DTL	NAN	NAND, 4IP, EXPANDABLE, DUAL	10/14L	+5V	125	50MW	25MXNS	N015	FAS	-
962	DTL	NAN	NAND, 3IP, OC OP, TRIPLE	10/14L	+5V	125	50MW	30TPNS	N004	FAS	-
963	DTL	NAN	NAND, 3IP, TRIPLE	10/14L	+5V	125	80MW	25TPNS	N004	FAS	-
964	RTL	XOR	EXCLUSIVE OR/NOR, DUAL	DIL16	+3.5V	125	40MW	-	-	FAS	OBSOLETE
967	RTL	LCH	LATCH, QUAD	DIL16	+3.5V	125	180MW	50TPNS	-	FAS	OBSOLETE
970	RTL	DCD	DECODER, BCD-DECIMAL	DIL16	+3.5V	125	150MW	36TPNS	-	FAS	OBSOLETE
971	RTL	XOR	EXCLUSIVE OR, QUAD	FLP14	+3.5V	125	120MW	12TPNS	-	MOT	OBSOLETE
974	RTL	FFJ	JK FLIP FLOP	TO5/8	+3.5V	125	200MW	35TPNS	-	MOT	OBSOLETE
975	RTL	ADD	ADDER, HALF, DUAL	14LEAD	+3.5V	125	150MW	20TPNS	-	MOT	OBSOLETE
976	RTL	FFJ	JK FLIP FLOP, DUAL	14LEAD	+3.5V	125	50MW	50TPNS	-	MOT	OBSOLETE
977	RTL	CTR	COUNTER, BINARY, UP	DIL14	+3.5V	125	200MW	-	-	MOT	OBSOLETE
978	RTL	FFD	D TYPE FLIP FLOP, DUAL	14LEAD	+3.5V	125	50MW	60TPNS	-	MOT	OBSOLETE
979	RTL	FFJ	JK FLIP FLOP, 1 EXPAND,2 BFFRS	DIL14	+3.5V	125	200MW	-	-	MOT	OBSOLETE
980	RTL	CTR	COUNTER, DECADE, UP	DIL14	+3.5V	125	360MW	-	-	MOT	OBSOLETE
981	RTL	BUF	BUFFER, DUAL	TO5/10	+3.5V	125	50MW	57TPNS	-	MOT	OBSOLETE
982	RTL	FFJ	JK FLIP FLOP	TO5/10	+3.5V	125	25MA	80TPNS	-	MOT	OBSOLETE
983	RTL	SRG	SHIFT REGISTER, HALF, DUAL	14LEAD	+3.5V	125	200MW	22TPNS	-	MOT	OBSOLETE
984	RTL	SRG	SHIFT REG, HALF, INV, DUAL	14LEAD	+3.5V	125	120MW	22TPNS	-	MOT	OBSOLETE
985	RTL	EXP	EXPANDER, 2 IP, QUAD	14LEAD	+3.5V	125	25MW	12TPNS	-	MOT	OBSOLETE
986	RTL	EXP	EXPANDER, 4 IP, DUAL	14LEAD	+3.5V	125	25MA	12TPNS	-	MOT	OBSOLETE
987	RTL	FFJ	1 JK FLIP FLOP, 1 INV,2 BUFFRS	DIL14	+3.5V	125	200MW	-	-	MOT	OBSOLETE
988	RTL	BUF	BUFFER, 3IP, NON INV, DUAL	14LEAD	+3.5V	125	200MW	24TPNS	-	MOT	OBSOLETE
989 (FAS)	RTL	CTR	COUNTER, BINARY	8/14LD	+3.5V	125	120MW	-	-	FAS	OBSOLETE
989 (MOT)	RTL	INV	INVERTER HEX	14LEAD	+3.5V	125	120MW	12TPNS	-	MOT	OBSOLETE
990	RTL	FFJ	JK FLIP FLOP, DUAL	14LEAD	+3.5V	125	200MW	35TPNS	-	MOT	OBSOLETE
991	RTL	FFJ	JK FLIP FLOP, DUAL	14LEAD	+3.5V	125	250MW	40TPNS	-	MOT	OBSOLETE
992	RTL	NOR	NOR, 3 IP, TRIPLE	14LEAD	+3.5V	125	100MW	12TPNS	-	MOT	OBSOLETE
993	RTL	NOR	NOR, 3 IP, TRIPLE	14LEAD	+3.5V	125	25MW	27TPNS	-	MOT	OBSOLETE
994	RTL	SRG	SHIFT REGISTER, SERIAL-PARALL.	DIL14	+3.5V	125	300MW	16TPNS	-	MOT	OBSOLETE
996	RTL	ADD	ADDER, FULL, DUAL	14LEAD	+3.5V	125	300MW	60TPNS	-	MOT	OBSOLETE
997	RTL	XXX	SUBTRACTOR, FULL, DUAL	14LEAD	+3.5V	125	300MW	60TPNS	-	MOT	OBSOLETE
998	RTL	BUF	BUFFER, 2 IP, DUAL	14LEAD	+3.5V	125	50MW	57TPNS	-	MOT	OBSOLETE
999	RTL	BUF	BUFFER, DUAL	10LEAD	+3.5V	125	150MW	15TPNS	-	MOT	OBSOLETE
1000 SERIES	ECL	-	GENERIC NOS OF MC1000 ECL SER.	-	-5.2V	75C	-	-	-	VAR	MC1000 SERIES
1001	ECL	ORN	OR/NOR, 6IP, 3OR OP, 3NOR OP	14LEAD	-5.2V	75C	170MW	4TPNS	Z998	VAR	SP1001
1002	ECL	ORN	OR/NOR, 6IP, 3OR OP,3NOR OE OP	14LEAD	-5.2V	75C	120MW	4TPNS	Z998	VAR	MC1002
1003	ECL	ORN	OR/NOR, 6IP,OE, 3OR OP,3NOR OP	14LEAD	-5.2V	75C	60MW	4TPNS	Z998	VAR	MC1003
1004	ECL	ORN	OR/NOR, 4IP,1OR+1NOR OP, DUAL	14LEAD	-5.2V	75C	150MW	4TPNS	Z998	VAR	SP1004
1005	ECL	ORN	OR/NOR,4IP,1OR+1DE NOR OP,DUAL	14LEAD	-5.2V	75C	100MW	4TPNS	Z998	VAR	MC1005
1006	ECL	ORN	OR/NOR,4IP,OE,1OR+1NOR OP,DUAL	14LEAD	-5.2V	75C	70MW	4TPNS	Z998	VAR	MC1006
1007	ECL	NOR	NOR, 3IP, TRIPLE	14LEAD	-5.2V	75C	160MW	4TPNS	Z998	VAR	SP1007
1008	ECL	NOR	NOR,3IP,1NOR+2NOR OE OP,TRIPLE	14LEAD	-5.2V	75C	110MW	4TPNS	Z998	VAR	MC1008
1009	ECL	NOR	NOR, 3IP, OE OP, TRIPLE	14LEAD	-5.2V	75C	90MW	4TPNS	Z998	VAR	MC1009
1010	ECL	NOR	NOR, 2IP, QUAD	14LEAD	-5.2V	75C	160MW	4.5TPNS	Q015	VAR	SP1010
1011	ECL	NOR	NOR, 2IP,2NOR+2NOR OE OPS,QUAD	14LEAD	-5.2V	75C	140MW	4.5TPNS	Z998	VAR	MC1011
1012	ECL	NOR	NOR, 2IP,OE OP, QUAD	14LEAD	-5.2V	75C	100MW	4.5TPNS	Q015	VAR	MC1012
1013	ECL	FFJ	FF/JK, ET,AC COUPLED, 85TP MHZ	14LEAD	-5.2V	75C	190MW	6TPNS	Z998	VAR	SP1013
1014	ECL	FFR	FF/RS, POSITIVE CLOCK, DUAL	14LEAD	-5.2V	75C	200MW	6TPNS	Z998	VAR	SP1014
1015	ECL	FFR	FF/RS, NEGATIVE CLOCK, DUAL	14LEAD	-5.2V	75C	210MW	6TPNS	Z998	VAR	SP1015
1016	ECL	FFR	FF/RS, D TYPE,SINGLE RAIL,DUAL	14LEAD	-5.2V	75C	200MW	6TPNS	Z998	VAR	SP1016
1017	ECL	LSH	LEVEL SHIFT, DTL-TO-ECL, DUAL	14LEAD	-5.2V	75C	150MW	15TPNS	Z998	VAR	MC1017
1018	ECL	LSH	LEVEL SHIFT, ECL-TO-DTL, DUAL	14LEAD	-5.2V	75C	80MW	19TPNS	Z998	VAR	MC1018
1019	ECL	ADD	ADDER, FULL,SINGLE BIT	14LEAD	-5.2V	75C	200MW	3-8TPNS	Z998	VAR	MC1019
1020	ECL	RCV	LINE RECEIVER, QUAD	14LEAD	-5.2V	75C	160MW	4TPNS	Z998	VAR	SP1020
1021	ECL	ALU	SUBTRACTOR, FULL, SINGLE BIT	14LEAD	-5.2V	75C	200MW	4-11TPNS	Z998	VAR	MC1021
1022	ECL	FFR	FLIP FLOP, D TYPE	14LEAD	-5.2V	75C	165MW	8TPNS	Z998	VAR	MC1022
1023	ECL	CLK	CLOCK DRVR, 4IP, OR/NOR, DUAL	14LEAD	-5.2V	75C	375MW	2TPNS	Z998	VAR	SP1023
1024	ECL	ORN	OR/NOR, 2IP, EXPANDABLE, DUAL	14LEAD	-5.2V	75C	150MW	4TPNS	Z998	VAR	MC1024
1025	ECL	EXP	EXPANDER, GATE, 4IP, 5IP	14LEAD	-5.2V	75C	-	-	Z998	VAR	MC1025
1026	ECL	CLK	CLOCK DRVR, 3IP, 4IP	14LEAD	-5.2V	75C	200MW	2TPNS	Z998	VAR	SP1026
1027	ECL	FFJ	FF/JK, ET, AC-COUPLED,120TPMHZ	14LEAD	-5.2V	75C	400MW	4TPNS	Z998	VAR	SP1027
1028	ECL	SEL	DATA SELECTOR, 4 CHANNEL, DUAL	16LEAD	-5.2V	75C	250MW	5TPNS	Z998	VAR	MC1028
1029	ECL	XXX	DATA DISTRIBUTOR, 2X3 OR NET	14LEAD	-5.2V	75C	250MW	4TPNS	Z998	VAR	MC1029
1030	ECL	XOR	EXCLUSIVE OR, 2IP, QUAD	14LEAD	-5.2V	75C	200MW	5TPNS	Z998	VAR	SP1030
1031	ECL	XNR	EXCLUSIVE NOR, 2IP, QUAD	14LEAD	-5.2V	75C	200MW	5TPNS	Z998	VAR	SP1031
1032	ECL	FFJ	FF/JK, ET, 100MHZ, DUAL	16LEAD	-5.2V	75C	270MW	4.5TPNS	Z998	VAR	SP1032
1033	ECL	FFR	FF/RS,SINGLE RAIL,NEG CLK,DUAL	14LEAD	-5.2V	75C	210MW	6TPNS	Z998	VAR	SP1033

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
1034	ECL	FFD	D TYPE FLIP FLOP	14LEAD	-5.2V	75C	275MW	4TPNS	Z998	VAR	SP1034
1035	ECL	RCV	LINE RECVR,TRUE-COMP OP,TRIPLE	14LEAD	-5.2V	75C	210MW	5TPNS	Z998	VAR	SP1035
1036	ECL	MEM	RAM, 16BT, X-Y DECODE	14LEAD	-5.2V	75C	375MW	17TPNS	Z998	VAR	MC1036
1037	ECL	MEM	RAM, 16BT, X-Y DECODE, OE OP	14LEAD	-5.2V	75C	375MW	17TPNS	Z998	VAR	MC1037
1038	ECL	SEL	DATA SELECTOR, 8 CHANNEL	14LEAD	-5.2V	75C	230MW	7-18TPNS	Z998	VAR	MC1038
1039	ECL	LSH	LEVEL SHIFT, ECL TO DTL, QUAD	16LEAD	-5.2V	75C	300MW	12TPNS	Z998	VAR	SP1039
1040	ECL	LCH	LATCH, QUAD	14LEAD	-5.2V	75C	375MW	8TPNS	Z998	VAR	MC1040
1042	ECL	DCD	DECODER, 1-OF-4, BINARY, DUAL	16LEAD	-5.2V	75C	360MW	6.5TPNS	Z998	VAR	MC1042
1043	ECL	DCD	DECODER, BINARY, 1-OF-8	14LEAD	-5.2V	75C	300MW	6-11TPNS	Z998	VAR	MC1043
1044	ECL	DCD	DECODER, BINARY, 1-OF-10	16LEAD	-5.2V	75C	350MW	6TPNS	Z998	VAR	MC1044
1045	ECL	DSP	DECODER/DRIVER, NIXIE	16LEAD	-5.2V	75C	300MW	-	Z998	VAR	MC1045
1046	ECL	PAR	PARITY GENERATOR/CHECKER,8 BIT	14LEAD	-5.2V	75C	250MW	14TPNS	Z998	VAR	MC1046
1047	ECL	AND	AND, 2IP, QUAD	14LEAD	-5.2V	75C	200MW	5TPNS	Z998	VAR	MC1047
1048	ECL	NAN	NAND, 2IP, QUAD	14LEAD	-5.2V	75C	200MW	5TPNS	Z998	VAR	SP1048
1059	ECL	ADD	ADDER, FULL, DUAL	16LEAD	-5.2V	75C	550MW	9TPNS	Z998	VAR	MC1059
1062	ECL	NOR	NOR, 2IP, QUAD	16LEAD	-5.2V	75C	500MW	2TPNS	Z998	VAR	MC1062
1063	ECL	NOR	NOR, 2IP, QUAD	14LEAD	-5.2V	75C	500MW	2TPNS	Z998	VAR	MC1063
1065	ECL	RCV	LINE RECEIVER, TRIPLE	16LEAD	-5.2V	75C	-	-	Z998	VAR	MC1065
1066	ECL	RCV	LINE RCVR, 2T/C 1C OP, TRIPLE	14LEAD	-5.2V	75C	500MW	2TPNS	Z998	VAR	MC1066
1067	ECL	LSH	LEVEL SHIFT, TTL-TO-ECL, QUAD	16LEAD	-5.2V	75C	450MW	5TPNS	Z998	VAR	MC1067
1068	ECL	LSH	LEVEL SHIFT, ECL-TO-TTL, QUAD	16LEAD	-5.2V	75C	500MW	5TPNS	Z998	VAR	MC1068
1070	ECL	LCH	LATCH, QUAD	14LEAD	-5.2V	75C	300MW	8TPNS	Z998	VAR	MC1070
1200 SERIES	ECL	-	125C MIL VRSN OF 75C 1000 SER,	-	-5.2V	125	-	-	-	VAR	MC1200 SERIES
1601	ECL	ORN	OR/NOR, 2IP(1COMMON), QUAD	16LEAD	-5.2V	85C	600MW	500MXMHZ	-	MOT	MC1601
1602	ECL	ORN	OR/NOR, 3-2-2IP, TRIPLE	16LEAD	-5.2V	85C	460MW	0.75TPNS	-	MOT	MC1602
1603	ECL	ORN	OR/NOR, 5+4IP,TRU/COMP OP,DUAL	16LEAD	-5.2V		320MW	0.75TPNS	-	MOT	MC1603
1605	ECL	FFD	FF/D, DUAL	16LEAD	-5.2V	85C	525MW	500MXMHZ	-	MOT	MC1605
1638	ECL	VCO	VOLTAGE CONTROLLED OSCILLATOR	16LEAD	-5.2V	85C	200MW	150TPMHZ	-	MOT	MC1638
1644	ECL	XXX	DIGITAL MIXER, 250MHZ TYPICAL	DIL14	-5.2V	85C	-	175MXMHZ	-	MOT	MC1644
1646	ECL	CTR	COUNTER, BIN,PRESCALER,250MHZ	DIL14	-5.2V	85C	-	175MXMHZ	-	MOT	MC1646
1648	ECL	VCO	VOLTAGE CONTROLLED OSCILLATOR	14LEAD	-5.2V	75C	250MW	225TPMHZ	-	MOT	MC1648
1650	ECL	CMP	COMPARATOR, A/D, LATCH, DUAL	16LEAD	-5+5V	85C	400MW	3.5TPNS	-	MOT	MC1650
1651	ECL	CMP	COMPARATOR A/D, DUAL	16LEAD	-5+5V	85C	400MW	2.5TPNS	-	MOT	MC1651
1654	ECL	CTR	COUNTER, BINARY, 4 BIT, HI Z	16LEAD	-5.2V	85C	1W	325TPMHZ	-	MOT	MC1654
1658	ECL	VCO	VOLTAGE CONTROLLED MULTIVIB	14LEAD	-5.2V	85C	200MW	150TPMHZ	-	MOT	MC1658
1660	ECL	ORN	OR/NOR, 4IP,HI Z, DUAL	16LEAD	-5.2V	85C	200MW	1.1TPNS	-	MOT	MC1660
1661	ECL	ORN	OR/NOR, 4IP,LO Z, DUAL	16LEAD	-5.2V	85C	200MW	1.1TPNS	-	MOT	SP1661
1662	ECL	NOR	NOR, 2IP, HI Z, QUAD	16LEAD	-5.2V	85C	360MW	1.1MXNS	-	MOT	MC1662
1663	ECL	NOR	NOR, 2IP, LO Z, QUAD	16LEAD	-5.2V	85C	360MW	1.1TPNS	-	MOT	SP1663
1664	ECL	ORG	OR, 2IP, HI Z, QUAD	16LEAD	-5.2V	85C	360MW	1.1TPNS	-	MOT	MC1664
1665	ECL	ORG	OR, 2IP, LO Z, QUAD	16LEAD	-5.2V	85C	360MW	1.1TPNS	-	MOT	SP1665
1666	ECL	FFR	FF/RS, CLOCKED, HI Z, DUAL	16LEAD	-5.2V	85C	330MW	1.8TPNS	-	MOT	SP1666
1667	ECL	FFR	FF/RS, CLOCKED, LO Z, DUAL	16LEAD	-5.2V	85C	335MW	1.8TPNS	-	MOT	SP1667
1668	ECL	LCH	LATCH, CLOCKED, HI Z, DUAL	16LEAD	-5.2V	85C	330MW	1.8TPNS	-	MOT	MC1668
1669	ECL	LCH	LATCH, CLOCKED, LO Z, DUAL	16LEAD	-5.2V	85C	330MW	1.8TPNS	-	MOT	SP1669
1670	ECL	FFD	FF/D, MASTER-SLAVE,HI Z	16LEAD	-5.2V	85C	330MW	350TPMHZ	-	MOT	MC1670
1671	ECL	FFD	FF/D, MASTER-SLAVE, LO Z	16LEAD	-5.2V	85C	330MW	350TPMHZ	-	MOT	SP1671
1672	ECL	XOR	EXCLUSIVE-OR, 2IP,HI Z ,TRIPLE	16LEAD	-5.2V	85C	330MW	1.3TPNS	-	MOT	MC1672
1673	ECL	XOR	EXCLUSIVE-OR, 2IP,LO Z, TRIPLE	16LEAD	-5.2V	85C	375MW	1.3MXNS	-	MOT	SP1673
1674	ECL	XNR	EXCLUSIVE-NOR, 2IP,HI Z,TRIPLE	16LEAD	-5.2V	85C	330MW	1.3TPNS	-	MOT	MC1674
1675	ECL	XNR	EXCLUSIVE-NOR, 2IP,LO Z,TRIPLE	16LEAD	-5.2V	85C	375MW	1.3TPNS	-	MOT	SP1675
1678	ECL	CTR	COUNTER, BIQUINARY, HI Z	16LEAD	-5.2V	85C	1W	350TPMHZ	-	MOT	MC1678
1679	ECL	CTR	COUNTER, BIQUINARY, LO Z	16LEAD	-5.2V	85C	1W	350TPMHZ	-	MOT	MC1679
1680	ECL	MEM	RAM, CELL, HI Z	16LEAD	-5.2V	85C	400MW	2.5TPNS	-	MOT	MC1680
1681	ECL	MEM	RAM, CELL, LO Z	16LEAD	-5.2V	85C	400MW	2.5TPNS	-	MOT	MC1681
1682	ECL	MEM	CAM, CELL, HI Z	16LEAD	-5.2V	85C	400MW	2.8TPNS	-	MOT	MC1682
1684	ECL	MEM	CARAM, CONTENT ADDR RAM, HI Z	16LEAD	-5.2V	85C	400MW	2.8TPNS	-	MOT	MC1684
1685	ECL	MEM	CARAM, CONTENT ADDR RAM, LO Z	16LEAD	-5.2V	85C	400MW	2.8TPNS	-	MOT	MC1685
1688	ECL	ORN	OR/NOR, 5-4IP,COMP OP, DUAL	16LEAD	-5.2V	85C	156MW	1.3TPNS	-	MOT	MC1688
1690	ECL	CTR	COUNTER, PRESCALER,UHF, FF/D	16LEAD	-5.2V	85C	300MW	500TPMHZ	-	MOT	SP1690
1692	ECL	RCV	LINE RECEIVER, QUAD	16LEAD	-5.2V	85C	300MW	1.1TPNS	-	MOT	MC1692
1694	ECL	SRG	SHIFT REGISTER, 4 BIT, HI Z	16LEAD	-5.2V	85C	-	325TPMHZ	-	MOT	MC1692
1696	ECL	CTR	COUNTER, DIV BY 10, 1GHZ	16LEAD	-5.2V	85C	1W	1MXGHZ	-	MOT	MC1696
1697	ECL	CTR	COUNTER, PRESCALER,DIVIDE BY 4	8 LEAD	-5.2V	75C	320MW	1.6TPGHZ	-	MOT	MC1697
1699	ECL	CTR	COUNTER, BINARY,DIV BY 4, 1GHZ	16LEAD	-5+2V	85C	-	1TPGHZ	-	MOT	MC1699
1800 SERIES	DTL	-	PART 930/1800/9090/9100 DTL SR	-	+5V	-	-	-	-	FAS	-
1800 SERIES	DTL	-	SHORT FORM NOS FOR MC1800 SER	-	+5V	75C	-	-	-	VAR	-
1800	DTL	NAN	NAND, 6IP, DUAL	14LEAD	+5V	75C	40MW	30TPNS	N015	FAS	-
1801	DTL	NAN	NAND, 5IP, 2K PULLUP, DUAL	14LEAD	+5V	75C	50MW	25MXNS	N015	FAS	-
1802	DTL	NAN	NAND, 8IP,EXPANDABLE	14LEAD	+5V	75C	20MW	30TPNS	N016	FAS	-
1803	DTL	NAN	NAND, 8IP,EXPANDBLE, 2K PULLUP	14LEAD	+5V	75C	25MW	25TPNS	N016	FAS	-
1804	DTL	NAN	NAND, 10 IP	14LEAD	+5V	75C	20MW	30TPNS	N017	FAS	-
1805	DTL	NAN	NAND, 10 IP, 2K PULLUP	14LEAD	+5V	75C	25MW	25TPNS	N017	FAS	-
1806	DTL	AND	AND, 2IP, QUAD	14LEAD	+5V	75C	100MW	35TPNS	N001	FAS	-
1807	DTL	AND	AND, 2IP, 2K PULLUP, QUAD	14LEAD	+5V	75C	140MW	30TPNS	N001	FAS	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
1808	DTL	ORG	OR, 2IP, QUAD	14LEAD	+5V	75C	150MW	35TPNS	O001	FAS	-
1809	DTL	ORG	OR, 2IP, 2K PULLUP, QUAD	14LEAD	+5V	75C	150MW	30TPNS	O001	FAS	-
1810	DTL	NOR	NOR, 2IP, QUAD	14LEAD	+5V	75C	100MW	30TPNS	Q015	FAS	-
1811	DTL	NOR	NOR, 2IP, 2K PULLUP, QUAD	14LEAD	+5V	75C	120MW	25TPNS	Q015	FAS	-
1812	DTL	XOR	EXCLUSIVE OR, 2IP, QUAD	14LEAD	+5V	75C	200MW	40TPNS	X001	FAS	-
1813	DTL	LCH	LATCH, QUAD	16LEAD	+5V	75C	350MW	35TPNS	L014	FAS	-
1814	DTL	LCH	LATCH, QUAD	14LEAD	+5V	75C	350MW	35TPNS	L015	FAS	-
1815	DTL	FF-	FF, CLOCKED, PARALLEL GATED	14LEAD	+5V	75C	100MW	40TPNS	-	FAS	-
1816	DTL	FF-	FF, CLOCKED, PARALLEL GATED	14LEAD	+5V	75C	120MW	40TPNS	-	FAS	-
1818	DTL	NAN	NAND, 2IP, OC OP, QUAD	14LEAD	+5V	75C	50MW	30TPNS	N001	FAS	-
1820	DTL	INV	INVERTER, HI VOLTAGE, HEX	14LEAD	+5V	75C	75MW	40TPNS	I001	FAS	-
1900 SERIES	DTL	-	125C VERSION OF 75C 1800 SER	-	+5V	125	-	-	-	FAS	-
4000 SERIES	CMS	-	ADVERT JARGON FOR CD4000B SER	DIL--P	+15V	85C	-	-	-	VAR	CD4000B SER.
4000	CMS	NOR	DUAL 3-IP NOR GATE PLUS INVRTR	DIL14P	+10V	85C	-	-	Q016	VAR	CD4000AE
4000A SERIES	CMS	VAR	ABBREVIATION FOR CD4000A SER	-	+10V	VAR	-	-	-	VAR	CD4000A SER
4000A	CMS	NOR	NOR, 3IP + INVERTER, DUAL	DIL14P	+10V	85C	-	-	Q016	VAR	CD4000AE
4000B SERIES	CMS	VAR	ABBREVIATION FOR CD4000B SER	-	+15V	VAR	-	-	-	VAR	CD4000B SER
4000B	CMS	NOR	NOR, 3-IP + INVERTER, DUAL	DIL14P	+15V	85C	-	-	Q016	VAR	CD4000BE
4000UB	CMS	NOR	NOR, 3-IP + INVERTER, DUAL	DIL14P	+15V	85C	-	-	Q016	VAR	CD4000UBE
4000UB SERIES	CMS	VAR	ABBREVIATION FOR CD4000UB SER.	-	+15V	VAR	-	-	-	VAR	CD4000UB SER
4000UB SERIES	CMS	-	ADVERT JARGON FOR CD4000UB SR	DIL--P	+15V	85C	-	-	-	VAR	CD4000UB SER
4001	CMS	NOR	NOR, 2-IP, QUAD	DIL14P	+10V	85C	-	-	Q017	VAR	CD4001AE
4001A	CMS	NOR	NOR, 2-IP, QUAD	DIL14P	+10V	85C	-	-	Q017	VAR	CD4001AE
4001B	CMS	NOR	NOR, 2-IP, QUAD	DIL14P	+15V	85C	-	-	Q017	VAR	CD4001BE
4001BFC	CMS	NOR	NOR, 2 IP, QUAD	FLP14	+15V	85C	-	-	Q017	FAS	CD4001BMW
4001BFM	CMS	NOR	NOR, 2 IP, QUAD	FLP14	+15V	125	-	-	Q017	FAS	CD4001BMW
4001UB	CMS	NOR	NOR, 2-IP, QUAD	DIL14P	+15V	85C	-	-	Q017	VAR	CD4001UBE
4002	CMS	NOR	NOR, 4-IP, DUAL	DIL14P	+10V	85C	-	-	Q018	VAR	CD4002AE
4002A	CMS	NOR	NOR, 4-IP, DUAL	DIL14P	+10V	85C	-	-	Q018	VAR	CD4002AE
4002B	CMS	NOR	NOR, 4-IP, DUAL	DIL14P	+15V	85C	-	-	Q018	VAR	CD4002BE
4002BFC	CMS	NOR	NOR, 4 IP, DUAL	FLP14	+15V	85C	-	-	Q018	FAS	CD4002BMW
4002BFM	CMS	NOR	NOR, 4 IP, DUAL	FLP14	+15V	125	-	-	Q018	FAS	CD4002BMW
4002UB	CMS	NOR	NOR, 4 IP, DUAL	DIL14P	+15V	85C	-	-	Q018	VAR	CD4002UBE
4006	CMS	SRG	SHIFT REGISTER, 18 BIT, STATIC	DIL14P	+10V	85C	-	-	R043	VAR	CD4006AE
4006A	CMS	SRG	SHIFT REGISTER, 18 BIT, STATIC	DIL14P	+10V	85C	-	-	R043	VAR	CD4006AE
4006B	CMS	SRG	SHIFT REGISTER, 18 BIT, STATIC	DIL14P	+15V	85C	-	-	R043	VAR	CD4006BE
4006BFC	CMS	SRG	SHIFT REGISTER, 18 BIT, STATIC	FLP14	+15V	85C	-	-	R043	FAS	CD4006BMW
4006BFM	CMS	SRG	SHIFT REGISTER, 18 BIT, STATIC	FLP14C	+15V	125	-	-	R043	FAS	CD4006BMW
4007	CMS	INV	COMPLMT PAIR + INVERTER, DUAL	DIL14P	+10V	85C	-	-	I005	VAR	CD4007AE
4007A	CMS	INV	COMPLMT. PAIR + INVERTER, DUAL	DIL14P	+10V	85C	-	-	I005	VAR	CD4007AE
4007UB	CMS	INV	COMPLMT. PAIR + INVERTER, DUAL	DIL14P	+15V	85C	-	-	I005	VAR	CD4007UBE
4007UBFC	CMS	INV	COMPLMT. PAIR + INVERTER, DUAL	FLP14	+15V	85C	-	-	I005	FAS	4007UBFM
4007UBFM	CMS	INV	COMPLMT. PAIR + INVERTER, DUAL	FLP14	+15V	125	-	-	I005	FAS	BCL4007UBF
4008	CMS	ADD	ADDER, FULL,4BT,PARALLEL CARRY	DIL16P	+10V	85C	-	-	Z047	VAR	CD4008AE
4008A	CMS	ADD	ADDER, FULL,4BT,PARALLEL CARRY	DIL16P	+10V	85C	-	-	Z047	VAR	CD4008AE
4008B	CMS	ADD	ADDER, FULL,4BT,PARALLEL CARRY	DIL16P	+15V	85C	-	-	Z047	VAR	CD4008BE
4008BFC	CMS	ADD	ADDER, FULL,4BT,PARALLEL CARRY	FLP16	+15V	85C	-	-	Z047	FAS	CD4008BMW
4008BFM	CMS	ADD	ADDER, FULL,4BT,PARALLEL CARRY	FLP16	+15V	125	-	-	Z047	FAS	CD4008BMW
4009	CMS	INV	INVERTER/BUFFER,SPLIT VCC, HEX	DIL16P	+10V	85C	-	-	I012	VAR	CD4009AE
4009A	CMS	INV	INVERTER/BUFFER,SPLIT VCC, HEX	DIL16P	+10V	85C	-	-	I012	VAR	
4009UB	CMS	INV	INVERTER/BUFFER,SPLIT VCC, HEX	DIL16P	+15V	85C	-	-	I012	VAR	CD4009UBE
4010	CMS	BUF	BUFFER, NON INV,SPLIT VCC, HEX	DIL16P	+10V	85C	-	-	B021	VAR	CD4010AE
4010A	CMS	BUF	BUFFER, NON INV,SPLIT VCC, HEX	DIL16P	+10V	85C	-	-	B021	VAR	CD4010AE
4010B	CMS	BUF	BUFFER, NON INV,SPLIT VCC, HEX	DIL16P	+15V	85C	-	-	B021	VAR	CD4010BE
4011	CMS	NAN	NAND, 2IP, QUAD	DIL14P	+10V	85C	-	-	N020	VAR	CD4011AE
4011A	CMS	NAN	NAND, 2IP, QUAD	DIL14P	+10V	85C	-	-	N020	VAR	CD4011AE
4011B	CMS	NAN	NAND, 2IP, QUAD	DIL14P	+15V	85C	-	-	N020	VAR	CD4011BE
4011BFC	CMS	NAN	NAND, 2IP, QUAD	FLP14	+15V	85C	-	-	N020	FAS	CD4011BMW
4011BFM	CMS	NAN	NAND, 2IP, QUAD	FLP14	+15V	125	-	-	N020	FAS	CD4011BMW
4011UB	CMS	NAN	NAND, 2IP, QUAD	DIL14P	+15V	85C	-	-	N020	VAR	CD4011UBE
4012	CMS	NAN	NAND, 4IP, DUAL	DIL14P	+10V	85C	-	-	N021	VAR	CD4012AE
4012A	CMS	NAN	NAND, 4IP, DUAL	DIL14P	+10V	85C	-	-	N021	VAR	CD4012AE
4012B	CMS	NAN	NAND, 4IP, DUAL	DIL14P	+15V	85C	-	-	N021	VAR	CD4012BE
4012BFC	CMS	NAN	NAND, 4IP, DUAL	FLP14	+15V	85C	-	-	N021	FAS	CD4012BMW
4012BFM	CMS	NAN	NAND, 4IP, DUAL	FLP14	+15V	125	-	-	N021	FAS	CD4012BMW
4012UB	CMS	NAN	NAND, 4IP, DUAL	DIL14P	+15V	85C	-	-	N021	VAR	CD4012UBE
4013	CMS	FFD	FF/D, SET RESET, DUAL	DIL14P	+10V	85C	-	-	F051	VAR	CD4013AE
4013A	CMS	FFD	FF/D, SET RESET, DUAL	DIL14P	+10V	85C	-	-	F051	VAR	CD4013AE
4013B	CMS	FFD	FF/D, SET RESET, DUAL	DIL14P	+15V	85C	-	-	F051	VAR	CD4013BE
4013BFC	CMS	FFD	FF/D, SET RESET, DUAL	FLP14	+15V	85C	-	-	F051	FAS	CD4013BMW
4013BFM	CMS	FFD	FF/D, SET RESET, DUAL	FLP14	+15V	125	-	-	F051	FAS	CD4013BMW
4014	CMS	SRG	SHFT REG, 8BT,SER-PAR,STAT,SYN	DIL16P	+10V	85C	-	-	R044	VAR	CD4014AE
4014A	CMS	SRG	SHFT REG, 8BT,SER-PAR,STAT,SYN	DIL16P	+10V	85C	-	-	R044	VAR	CD4014AE
4014B	CMS	SRG	SHFT REG, 8BT,SER-PAR,STAT,SYN	DIL16P	+15V	85C	-	-	R044	VAR	CD4014BE
4014BFM	CMS	SRG	SHFT REG, 8BT,SER-PAR,STAT,SYN	FLP16	+15V	125	-	-	R044	FAS	CD4014BMW

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
4014BFC	CMS	SRG	SHFT REG, 8BT,SER-PAR,STAT,SYN	FLP16	+15V	85C	-	-	R044	FAS	CD4014BMW
4015	CMS	SRG	SHIFT REG, 4BT,SIPO,STAT, DUAL	DIL16P	+10V	85C	-	-	R045	VAR	CD4015AE
4015A	CMS	SRG	SHIFT REG, 4BT,SIPO,STAT, DUAL	DIL16P	+10V	85C	-	-	R045	VAR	CD4015AE
4015B	CMS	SRG	SHIFT REG, 4BT,SIPO,STAT, DUAL	DIL16P	+15V	85C	-	-	R045	VAR	CD4015BE
4015BFC	CMS	SRG	SHIFT REG, 4BT,SIPO,STAT, DUAL	FLP16	+15V	85C	-	-	R045	FAS	SCL4015BF
4015BFM	CMS	SRG	SHIFT REG, 4BT,SIPO,STAT, DUAL	FLP16	+15V	125	-	-	R045	FAS	BCL4015BF
4016	CMS	SWT	SWITCH, SPST,BILATERAL, QUAD	DIL14P	+10V	85C	-	-	Z048	VAR	CD4016AE
4016A	CMS	SWT	SWITCH, SPST,BILATERAL, QUAD	DIL14P	+10V	85C	-	-	Z048	VAR	CD4016AE
4016B	CMS	SWT	SWITCH, SPST, BILATERAL, QUAD	DIL14P	+15V	85C	-	-	Z048	VAR	CD4016BE
4016BFC	CMS	SWT	SWITCH, SPST,BILATERAL, QUAD	FLP14	+15V	85C	-	-	Z048	FAS	CD4016BMW
4016BFM	CMS	SWT	SWITCH SPST,BILATERAL, QUAD	FLP14	+15V	85C	-	-	Z048	FAS	CD4016BMW
4017	CMS	CTR	COUNTER/DIVIDER, DECADE,SYNCHR	DIL16P	+10V	85C	-	-	C024	VAR	CD4017AE
4017A	CMS	CTR	COUNTER/DIVIDER, DECADE,SYNCHR	DIL16P	+10V	85C	-	-	C024	VAR	CD4017AE
4017B	CMS	CTR	COUNTER/DIVIDER, DECADE,SYNCHR	DIL16P	+15V	85C	-	-	C024	VAR	CD4017BE
4017BFC	CMS	CTR	COUNTER/DIVIDER, DECADE,SYNCHR	FLP16	+15V	85C	-	-	C024	FAS	CD4017BMW
4017BFM	CMS	CTR	COUNTER/DIVIDER, DECADE,SYNCHR	FLP16	+15V	125	-	-	C024	FAS	CD4017BMW
4018	CMS	CTR	COUNTER, DIV BY N(2-10),SYNCHR	DIL16P	+10V	85C	-	-	C025	VAR	CD4018AE
4018A	CMS	CTR	COUNTER, DIV BY N(2-10),SYNCHR	DIL16P	+10V	85C	-	-	C025	VAR	CD4018AE
4018B	CMS	CTR	COUNTER, DIV BY N(2-10),SYNCHR	DIL16P	+15V	85C	-	-	C025	VAR	CD4018BE
4018BFC	CMS	CTR	COUNTER, DIV BY N(2-10),SYNCHR	FLP16	+12V	85C	-	-	C025	FAS	CD4018BMW
4018BFM	CMS	CTR	COUNTER, DIV BY N(2-10),SYNCHR	FLP16	+15V	125	-	-	C025	FAS	CD4018BMW
4019	CMS	AOR	AND/OR, 2IP, QUAD	DIL16P	+10V	85C	-	-	Y026	VAR	CD4019AE
4019A	CMS	AOR	AND/OR, 2IP, QUAD	DIL16P	+10V	85C	-	-	Y026	VAR	CD4019AE
4019B	CMS	AOR	AND/OR, 2IP, QUAD	DIL16P	+15V	85C	-	-	Y026	VAR	CD4019BE
4019BDC	CMS	AOR	AND/OR, 2IP, QUAD	DIL16C	+15V	85C	-	-	Y026	FAS	CD4019BCJ
4019BFC	CMS	AOR	AND/OR, 2IP, QUAD	FLP16	+15V	85C	-	-	Y026	FAS	CD4019BMW
4019BFM	CMS	AOR	AND/OR, 2IP, QUAD	FLP16	+15V	125	-	-	Y026	FAS	CD4019BMW
4020	CMS	CTR	COUNTER/DIVIDER, 14BT,BIN,RPPL	DIL16P	+10V	85C	-	-	C026	VAR	CD4020AE
4020A	CMS	CTR	COUNTER/DIVIDER, 14BT,BIN,RPPL	DIL16P	+10V	85C	-	-	C026	VAR	CD4020AE
4020B	CMS	CTR	COUNTER/DIVIDER, 14BT,BIN,RPPL	DIL16P	+15V	85C	-	-	C026	VAR	CD4020BE
4020BFC	CMS	CTR	COUNTER/DIVIDER 14BT,BIN,RPPL	FLP16	+15V	85C	-	-	C026	FAS	CD4020BMW
4020BFM	CMS	CTR	COUNTER/DIVIDER, 14BT,BIN,RPPL	FLP16	+15V	125	-	-	C026	FAS	CD4020BMW
4021	CMS	SRG	SHIFT REG, 8BT,PISO,ASYNC,STAT	DIL16P	+10V	85C	-	-	R046	VAR	CD4021AE
4021A	CMS	SRG	SHIFT REG, 8BT,PISO,ASYNC,STAT	DIL16P	+10V	85C	-	-	R046	VAR	CD4021AE
4021B	CMS	SRG	SHIFT REG, 8BT,PISO,ASYNC,STAT	DIL16P	+15V	85C	-	-	R046	VAR	CD4021BE
4021BFC	CMS	SRG	SHIFT REG 8BT,PISO,ASYNC,STAT	FLP16	+15V	85C	-	-	R046	FAS	CD4021BMW
4021BFM	CMS	SRG	SHIFT REG, 8BT,PISO,ASYNC,STAT	FLP16	+15V	125	-	-	R046	FAS	CD4021BMW
4022	CMS	CTR	COUNTER/DIVIDER, DIV BY 8,SYNC	DIL16P	+10V	85C	-	-	C027	VAR	CD4022AE
4022A	CMS	CTR	COUNTER/DIVIDER, DIV BY 8,SYNC	DIL16P	+10V	85C	-	-	C027	VAR	CD4022AE
4022B	CMS	CTR	COUNTER/DIVIDER DIV BY 8,SYNC	DIL16P	+15V	85C	-	-	C027	VAR	CD4022BE
4022BFC	CMS	CTR	COUNTER/DIVIDER, DIV BY 8,SYNC	FLP16	+15V	85C	-	-	C027	FAS	CD4022BMW
4022BFM	CMS	CTR	COUNTER/DIVIDER, DIV BY 8,SYNC	FLP16	+15V	125	-	-	C027	FAS	CD4022BMW
4023	CMS	NAN	NAND, 3IP, TRIPLE	DIL14P	+10V	85C	-	-	N022	VAR	CD4023AE
4023A	CMS	NAN	NAND 3IP, TRIPLE	DIL14P	+10V	85C	-	-	N022	VAR	CD4023AE
4023B	CMS	NAN	NAND, 3IP, TRIPLE	DIL14P	+15V	85C	-	-	N022	VAR	CD4023BE
4023BFC	CMS	NAN	NAND, 3IP, TRIPLE	FLP14	+15V	85C	-	-	N022	FAS	CD4023BMW
4023BFM	CMS	NAN	NAND, 3IP TRIPLE	FLP14	+15V	125	-	-	N022	FAS	CD4023BMW
4023UB	CMS	NAN	NAND 3IP, TRIPLE	DIL14P	+15V	85C	-	-	N022	VAR	CD4023UBE
4024	CMS	CTR	COUNTER 7BT,BINARY RIPPLE	DIL14P	+10V	85C	-	-	C028	VAR	CD4024AE
4024A	CMS	CTR	COUNTER 7BT,BINARY, RIPPLE	DIL14P	+10V	85C	-	-	C028	VAR	CD4024AE
4024B	CMS	CTR	COUNTER, 7BT,BINARY, RIPPLE	DIL14P	+15V	85C	-	-	C028	VAR	CD4024BE
4024BFC	CMS	CTR	COUNTER, 7BT,BINARY,RIPPLE	FLP14	+15V	85C	-	-	C028	FAS	CD4024BMW
4024BFM	CMS	CTR	COUNTER, 7BT,BINARY,RIPPLE	FLP14	+15V	125	-	-	C028	FAS	CD4024BMW
4025	CMS	NOR	NOR 3IP, TRIPLE	DIL14P	+10V	85C	-	-	Q019	VAR	CD4025AE
4025A	CMS	NOR	NOR, 3IP, TRIPLE	DIL14P	+10V	85C	-	-	Q019	VAR	CD4025AE
4025B	CMS	NOR	NOR, 3IP, TRIPLE	DIL14P	+15V	85C	-	-	Q019	VAR	CD4025BE
4025BFC	CMS	NOR	NOR 3IP, TRIPLE	FLP14	+15V	85C	-	-	Q019	FAS	CD4025BMW
4025BFM	CMS	NOR	NOR, 3IP TRIPLE	FLP14	+15V	125	-	-	Q019	FAS	CD4025BMW
4025UB	CMS	NOR	NOR, 3IP, TRIPLE	DIL14P	+15V	85C	-	-	Q019	VAR	CD4025UBE
4026	CMS	DSP	DISPLAY DRIVER, 7SGT, DECADE	DIL16P	+10V	85C	-	-	C029	VAR	CD4026AE
4026A	CMS	DSP	DISPLAY DRIVER, 7SGT, DECADE	DIL16P	+10V	85C	-	-	C029	VAR	CD4026AE
4026B	CMS	DSP	DISPLAY DRIVER, 7SGT, DECADE	DIL16P	+15V	85C	-	-	C029	VAR	CD4026BE
4027	CMS	FFJ	FF/JK, MASTER SLAVE, DUAL	DIL16P	+10V	85C	-	-	F052	VAR	CD4027AE
4027A	CMS	FFJ	FF/JK, MASTER SLAVE, DUAL	DIL16P	+10V	85C	-	-	F052	VAR	CD4027AE
4027B	CMS	FFJ	FF/JK, MASTER SLAVE, DUAL	DIL16P	+15V	85C	-	-	F052	VAR	CD4027BE
4027BFC	CMS	FFJ	FF/JK, MASTER SLAVE, DUAL	FLP16	+15V	85C	-	-	F052	FAS	CD4027BMW
4027BFM	CMS	FFJ	FF/JK, MASTER SLAVE, DUAL	FLP16	+15V	125	-	-	F052	FAS	CD4027BMW
4028	CMS	DCD	DECODER, BCD-DECML,BNARY-OCTAL	DIL16P	+10V	85C	-	-	D022	VAR	CD4028AE
4028A	CMS	DCD	DECODER, BCD-DECML,BNARY-OCTAL	DIL16P	+10V	85C	-	-	D022	VAR	CD4028AE
4028B	CMS	DCD	DECODER, BCD-DECML,BNARY-OCTAL	DIL16P	+15V	85C	-	-	D022	VAR	CD4028BE
4028BFC	CMS	DCD	DECODER, BCD-DECML,BNARY-OCTAL	FLP16	+15V	85C	-	-	D022	FAS	CD4028BMW
4028BFM	CMS	DCD	DECODER, BCD-DECML,BNARY-OCTAL	FLP16	+15V	125	-	-	D022	FAS	CD4028BMW
4029	CMS	CTR	COUNTER,UP/DWN, DECADE,SYNCHR.	DIL14P	+10V	85C	-	-	C030	VAR	CD4029AE
4029A	CMS	CTR	COUNTER,UP/DWN, DECADE,SYNCHR.	DIL14P	+10V	85C	-	-	C030	VAR	CD4029AE
4029B	CMS	CTR	COUNTER,UP/DWN, DECADE,SYNCHR.	DIL16P	+15V	85C	-	-	C030	VAR	CD4029BE

TYPE NUMBER	LOC IC	USF	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
4029BFC	CMS	CTR	COUNTER,UP/DWN, DECADE,SYNCHR.	FLP16C	+15V	85C	-	-	C030	FAS	CD4029BMW
4029BFM	CMS	CTR	COUNTER,UP/DWN, DECADE,SYNCHR.	FLP16	+15V	125	-	-	C030	FAS	CD4029BMW
4030	CMS	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14P	+10V	85C	-	-	X008	VAR	CD4030AE
4030A	CMS	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14P	+10V	85C	-	-	X008	VAR	C4030AE
4030B	CMS	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14P	+15V	85C	-	-	X008	VAR	CD4030BE
4030BDC	CMS	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14C	+15V	85C	-	-	X008	FAS	CD4030BD
4030BFC	CMS	XOR	EXCLUSIVE OR, 2IP, QUAD	FLP14	+15V	85C	-	-	X008	FAS	HCF4030BK
4030BFM	CMS	XOR	EXCLUSIVE OR, 2IP, QUAD	FLP14	+15V	125	-	-	X008	FAS	4030BFM
4031	CMS	SRG	SHIFT REG, 64BT,SERIAL IP,STAT	DIL16P	+10V	85C	-	-	R047	VAR	CD4031AE
4031A	CMS	SRG	SHIFT REG, 64BT,SERIAL IP,STAT	DIL16P	+10V	85C	-	-	R047	VAR	CD4031AE
4031B	CMS	SRG	SHIFT REG, 64BT,SERIAL IP,STAT	DIL16P	+15V	85C	-	-	R047	VAR	CD4031BE
4031BDC	CMS	SRG	SHIFT REG, 64BT,SERIAL IP,STAT	DIL16C	+15V	85C	-	-	R047	FAS	CD4031BCJ
4031BFC	CMS	SRG	SHIFT REG, 64BT,SERIAL IP,STAT	FLP16	+15V	85C	-	-	R047	FAS	CD4031BMW
4031BFM	CMS	SRG	SHIFT REG, 64BT,SERIAL IP,STAT	FLP16	+15V	125	-	-	R047	FAS	CD4031BMW
4032	CMS	ADD	ADDER, SERIAL,ACT HIGH, TRIPLE	DIL16P	+10V	85C	-	-	Z049	VAR	CD4032AE
4032A	CMS	ADD	ADDER, SERIAL,ACT HIGH, TRIPLE	DIL16P	+10V	85C	-	-	Z049	VAR	CD4032AE
4032B	CMS	ADD	ADDER, SERIAL,ACT HIGH, TRIPLE	DIL16P	+15V	85C	-	-	Z049	VAR	CD4032BE
4033	CMS	DSP	DISPLAY DRIVER, 7SGT, DECADE	DIL16P	+10V	85C	-	-	C031	VAR	CD4033AE
4033A	CMS	DSP	DISPLAY DRIVER, 7SGT, DECADE	DIL16P	+10V	85C	-	-	C031	VAR	CD4033AE
4033B	CMS	DSP	DISPLAY DRIVER, 7SGT, DECADE	DIL16P	+15V	85C	-	-	C031	VAR	CD4033BE
4034	CMS	SRG	SHIFT REG, 8BT,BIDIR BUS,STAT	DIL24P	+10V	85C	-	-	R048	VAR	CD4034AE
4034A	CMS	SRG	SHIFT REG, 8BT,BIDIR. BUS,STAT	DIL24P	+10V	85C	-	-	R048	VAR	CD4034AE
4034B	CMS	SRG	SHIFT REG, 8BT,BIDIR. BUS,STAT	DIL24P	+15V	85C	-	-	R048	VAR	CD4034BE
4034BDC	CMS	SRG	SHIFT REG, 8BT,BIDIR BUS,STAT	DIL24C	+15V	85C	-	-	R048	FAS	CD4034BCJ
4034BFC	CMS	SRG	SHIFT REG, 8BT,BIDIR. BUS,STAT	FLP24	+15V	85C	-	-	R048	FAS	CD4034BMW
4034BFM	CMS	SRG	SHIFT REG, 8BT,BIDIR. BUS,STAT	FLP24	+15V	125	-	-	R048	FAS	CD4034BMW
4035	CMS	SRG	SHIFT REG, 4BT, PIPO	DIL16P	+10V	85C	-	-	R049	VAR	CD4035AE
4035A	CMS	SRG	SHIFT REG, 4BT, PIPO	DIL16P	+10V	85C	-	-	R049	VAR	CD4035AE
4035B	CMS	SRG	SHIFT REG, 4BT, PIPO	DIL16P	+15V	85C	-	-	R049	VAR	CD4035BE
4035BFC	CMS	SRG	SHIFT REG, 4BT, PIPO	FLP16	+15V	85C	-	-	R049	FAS	CD4035BMW
4035BFM	CMS	SRG	SHIFT REG, 4BT, PIPO	FLP16	+15V	125	-	-	R049	FAS	CD4035BMW
4036	CMS	MEM	RAM, 32(4X8)BT,BINARY ADDRESSG	DIL24P	+10V	85C	-	-	S018	VAR	HBF4036AE
4037	CMS	AOR	AND/OR, BIPHASE PAIRS, TRIPLE	DIL14P	+10V	85C	-	-	Y029	VAR	CD4037AE
4037A	CMS	AOR	AND/OR, BIPHASE PAIRS, TRIPLE	DIL14P	+15V	85C	-	-	Y029	VAR	CD4037AE
4038	CMS	ADD	ADDER, SERIAL,ACT LOW, TRIPLE	DIL16P	+10V	85C	-	-	Z050	VAR	CD4038AE
4038A	CMS	ADD	ADDER, SERIAL,ACT LOW, TRIPLE	DIL16P	+10V	85C	-	-	Z050	VAR	CD4038AE
4038B	CMS	ADD	ADDER, SERIAL,ACT LOW, TRIPLE	DIL16P	+15V	85C	-	-	Z050	VAR	CD4038BE
4039	CMS	MEM	RAM, 32(4X8)BT,DIR WRD LN ADDR	DIL24P	+10V	85C	-	-	S017	VAR	HBF4039AE
4040	CMS	CTR	COUNTER, 12BT,BINARY, RIPPLE	DIL16P	+10V	85C	-	-	C032	VAR	CD4040AE
4040A	CMS	CTR	COUNTER, 12BT,BINARY, RIPPLE	DIL16P	+10V	85C	-	-	C032	VAR	CD4040AE
4040B	CMS	CTR	COUNTER, 12BT,BINARY,RIPPLE	DIL16P	+15V	85C	-	-	C032	VAR	CD4040BE
4040BFC	CMS	CTR	COUNTER, 12BT,BINARY,RIPPLE	FLP16	+15V	85C	-	-	C032	FAS	CD4040BMW
4040BFM	CMS	CTR	COUNTER, 12BT,BINARY,RIPPLE	FLP16	+15V	125	-	-	C032	FAS	CD4040BMW
4041	CMS	INV	INVERTER/BUFFER, TRUE CMP,QUAD	DIL14P	+10V	85C	-	-	I006	VAR	CD4041AN
4041A	CMS	INV	INVERTER/BUFFER, TRUE CMP,QUAD	DIL14P	+10V	85C	-	-	I006	VAR	CD4041AN
4041B	CMS	INV	INVERTER/BUFFER, TRUE CMP,QUAD	DIL14P	+15V	85C	-	-	I006	FAS	4041BPC
4041BDC	CMS	INV	INVERTER/BUFFER, TRUE CMP,QUAD	DIL14C	+15V	85C	-	-	I006	FAS	4041BDM
4041BDM	CMS	INV	INVERTER/BUFFER, TRUE CMP,QUAD	DIL14C	+15V	125	-	-	I006	FAS	-
4041BFC	CMS	INV	INVERTER/BUFFER, TRUE CMP,QUAD	FLP14	+15V	85C	-	-	I006	FAS	4041BFM
4041BPC	CMS	INV	INVERTER/BUFFER, TRUE CMP,QUAD	DIL14P	+15V	85C	-	-	I006	FAS	4041BDC
4041BFM	CMS	INV	INVERTER/BUFFER, TRUE CMP,QUAD	FLP14	+15V	125	-	-	I006	FAS	-
4041UB	CMS	INV	INVERTER/BUFFER, TRUE CMP,QUAD	DIL14P	+15V	85C	-	-	I006	VAR	CD4041UBE
4042	CMS	LCH	LATCH, D TYPE,CLOCKED, QUAD	DIL16P	+10V	85C	-	-	L018	VAR	CD4042AE
4042A	CMS	LCH	LATCH, D TYPE,CLOCKED, QUAD	DIL16P	+10V	85C	-	-	L018	VAR	CD4042AE
4042B	CMS	LCH	LATCH, D TYPE,CLOCKED, QUAD	DIL16P	+15V	85C	-	-	L018	VAR	CD4042BE
4042BFC	CMS	LCH	LATCH, D TYPE,CLOCKED, QUAD	FLP16	+15V	85C	-	-	L018	FAS	CD4042BMW
4042BFM	CMS	LCH	LATCH, D TYPE,CLOCKED, QUAD	FLP	+15V	125	-	-	L018	FAS	CD4042BMW
4043	CMS	LCH	LATCH, RS, NOR, 3S, QUAD	DIL16P	+10V	85C	-	-	L019	VAR	CD4043AE
4043A	CMS	LCH	LATCH, RS, NOR, 3S, QUAD	DIL16P	+10V	85C	-	-	L019	VAR	CD4043AE
4043B	CMS	LCH	LATCH, RS, NOR, 3S, QUAD	DIL16P	+15V	85C	-	-	L019	VAR	CD4043BE
4043BFC	CMS	LCH	LATCH, RS, NOR, 3S, QUAD	FLP16	+15V	85C	-	-	L019	FAS	CD4043BMW
4043BFM	CMS	LCH	LATCH, RS, NOR, 3S, QUAD	FLP16	+15V	125	-	-	L019	FAS	CD4043BMW
4044	CMS	LCH	LATCH, RS, NOR, 3S, QUAD	DIL16P	+10V	85C	-	-	L020	VAR	CD4044AE
4044A	CMS	LCH	LATCH, RS, NOR, 3S, QUAD	DIL16P	+10V	85C	-	-	L020	VAR	CD4044AE
4044B	CMS	LCH	LATCH, RS, NOR, 3S, QUAD	DIL16P	+15V	85C	-	-	L020	VAR	CD4044BE
4044BFC	CMS	LCH	LATCH, RS, NOR, 3S, QUAD	FLP16	+15V	85C	-	-	L020	FAS	CD4044BMW
4044BFM	CMS	LCH	LATCH, RS, NOR, 3S, QUAD	FLP16C	+15V	125	-	-	L020	FAS	CD4044BMW
4045BDC	CMS	CTR	COUNTER, OSC,21BT BINRY,RIPPLE	DIL16C	+15V	85C	-	-	C033	FAS	CD4045BD
4045	CMS	CTR	COUNTER, OSC,21BT BINRY,RIPPLE	DIL16P	+10V	85C	-	-	C033	VAR	CD4045BE
4045A	CMS	CTR	COUNTER, OSC,21BT BINRY,RIPPLE	DIL16P	+10V	85C	-	-	C033	VAR	CD4045BE
4045B	CMS	CTR	COUNTER, OSC,21BT BINRY,RIPPLE	DIL16P	+15V	85C	-	-	C033	VAR	CD4045BE
4045BFC	CMS	CTR	COUNTER, OSC,21BT BINRY,RIPPLE	FLP16	+15V	85C	-	-	C033	FAS	HCC4045BK
4045BFM	CMS	CTR	COUNTER, OSC,21BT BINRY,RIPPLE	FLP16	+15V	125	-	-	C033	FAS	HCC4045BK
4046	CMS	PLL	PHASE LOCK LOOP, MICROPOWER	DIL16P	+10V	85C	-	-	Z051	VAR	CD4046AE
4046A	CMS	PLL	PHASE LOCK LOOP, MICROPOWER	DIL16P	+10V	85C	-	-	Z051	VAR	CD4046AE

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
4046B	CMS	PLL	PHASE LOCK LOOP, MICROPOWER	DIL16P	+10V	85C	-	-	Z051	VAR	CD4046BE
4046BFC	CMS	PLL	PHASE LOCK LOOP, MICROPOWER	FLP16	+15V	85C	-	-	Z051	FAS	CD4046BMW
4046BFM	CMS	PLL	PHASE LOCK LOOP, MICROPOWER	FLP16	+15V	125	-	-	Z051	FAS	CD4046BMW
4047	CMS	MON	MULTIVIBRATOR, MONO/ASTABLE	DIL14P	+10V	85C	-	-	U008	VAR	CD4047AE
4047A	CMS	MON	MULTIVIBRATOR, MONO/ASTABLE	DIL14P	+10V	85C	-	-	U008	VAR	CD4047AE
4047B	CMS	MON	MULTIVIBRATOR, MONO/ASTABLE	DIL14P	+15V	85C	-	-	U008	VAR	CD4047BE
4047BDC	CMS	MON	MULTIVIBRATOR, MONO/ASTABLE	DIL14C	+15V	85C	-	-	U008	FAS	CD4047BCJ
4047BFC	CMS	MON	MULTIVIBRATOR, MONO/ASTABLE	FLP14	+15V	85C	-	-	U008	FAS	CD4047BMW
4047BFM	CMS	MON	MULTIVIBRATOR, MONO/ASTABLE	FLP14	+15V	125	-	-	U008	FAS	CD4047BMW
4048	CMS	XXX	MULTIFUNCTION GATE, 8IP,EXPDBL	DIL16P	+10V	85C	-	-	Z052	VAR	CD4048AE
4048A	CMS	XXX	MULTIFUNCTION GATE, 8IP,EXPDBL	DIL16P	+10V	85C	-	-	Z052	VAR	CD4048AE
4048B	CMS	XXX	MULTIFUNCTION GATE, 8IP,EXPDBL	DIL16P	+15V	85C	-	-	Z052	VAR	CD4048BE
4049	CMS	INV	INVERTER, BUFFER, HEX	DIL16P	+10V	85C	-	-	I007	VAR	CD4049AE
4049A	CMS	INV	INVERTER, BUFFER, HEX	DIL16P	+10V	85C	-	-	I007	VAR	CD4049AE
4049B	CMS	INV	INVERTER, BUFFER, HEX	DIL16P	+15V	85C	-	-	I007	VAR	4049BPC
4049BDC	CMS	INV	INVERTER, BUFFER, HEX	DIL16C	+15V	85C	-	-	I007	FAS	HCF4049BD
4049BDM	CMS	INV	INVERTER, BUFFER, HEX	DIL16C	+15V	125	-	-	I007	FAS	-
4049BFC	CMS	INV	INVERTER, BUFFER, HEX	FLP16	+15V	85C	-	-	I007	FAS	-
4049BFM	CMS	INV	INVERTER, BUFFER, HEX	FLP16	+15V	125	-	-	I007	FAS	-
4049BPC	CMS	INV	INVERTER, BUFFER, HEX	DIL16P	+15V	85C	-	-	I007	FAS	-
4049UB	CMS	INV	INVERTER, BUFFER, HEX	DIL16P	+15V	85C	-	-	I007	VAR	CD4049UBE
4050	CMS	BUF	BUFFER, NON INVERTING, HEX	DIL16P	+10V	85C	-	-	B017	VAR	CD4050AE
4050A	CMS	BUF	BUFFER, NON INVERTING, HEX	DIL16P	+10V	85C	-	-	B017	VAR	CD4050AE
4050B	CMS	BUF	BUFFER, NON INVERTING, HEX	DIL16P	+15V	85C	-	-	B017	VAR	CD4050BE
4050BFC	CMS	BUF	BUFFER, NON INVERTING, HEX	FLP16	+15V	85C	-	-	B017	FAS	CD4050BMW
4050BFM	CMS	BUF	BUFFER, NON INVERTING, HEX	FLP16	+15V	125	-	-	B017	FAS	CD4050BMW
4051B	CMS	MUX	MULTIPLEXER, 8-CHANNEL SWITCH	DIL16P	+15V	85C	-	-	M022	VAR	CD4051BE
4051BFC	CMS	MUX	MULTIPLEXER, 8-CHANNEL SWITCH	FLP16	+15V	85C	-	-	M022	FAS	CD4051BMW
4051BFM	CMS	MUX	MULTIPLEXER, 8-CHANNEL SWITCH	FLP16	+15V	125	-	-	M022	FAS	CD4051BMW
4052B	CMS	MUX	MUX, 4-CH SWITCH,COUPLED, DUAL	DIL16P	+15V	85C	-	-	M023	VAR	CD4052BE
4052BFC	CMS	MUX	MUX, 4-CH SWITCH,COUPLED, DUAL	FLP16	+15V	85C	-	-	M023	FAS	CD4052BMW
4052BFM	CMS	MUX	MUX, 4-CH SWITCH,COUPLED, DUAL	FLP16	+15V	125	-	-	M023	FAS	CD4052BMW
4053B	CMS	MUX	MUX, 2-CH SWTCH,COUPLED,TRIPLE	DIL16P	+15V	85C	-	-	M024	VAR	CD4053BE
4053BFC	CMS	MUX	MUX, 2-CH SWTCH,COUPLED,TRIPLE	FLP16	+15V	85C	-	-	M024	FAS	CD4053BMW
4053BFM	CMS	MUX	MUX, 2-CH SWTCH,COUPLED,TRIPLE	FLP16	+15V	125	-	-	M024	FAS	CD4053BMW
4054B	CMS	DSP	DISPLAY DRIVER,LCD,BCD-7SG DEC	DIL16P	+15V	85C	-	-	D023	VAR	CD4054BE
4055	CMS	DSP	DISPLAY DRIVER,LCD,BCD-7SG DEC	DIL16P	+10V	85C	-	-	D024	VAR	HBF4055AE
4055A	CMS	DSP	DISPLAY DRIVER,LCD,BCD-7SG DEC	DIL16P	+10V	85C	-	-	D024	VAR	HBF4055AE
4055B	CMS	DSP	DISPLAY DRIVER,LCD,BCD-7SG DEC	DIL16P	+15V	85C	-	-	D024	VAR	CD4055BE
4056B	CMS	DSP	DISPLAY DRIVER,LCD,BCD-7SG DEC	DIL16P	+15V	85C	-	-	D025	VAR	CD4056BE
4057	CMS	ALU	ARITHMETIC LOGIC UNIT, LSI	DIL28P	+10V	85C	-	-	W005	VAR	CD4057AE
4057A	CMS	ALU	ARITHMETIC LOGIC UNIT, LSI	DIL28P	+10V	85C	-	-	W005	VAR	CD4057AE
4059	CMS	CTR	COUNTER, DIV BY N PROGRAM SYNC	DIL24P	+10V	85C	-	-	C047	VAR	CD4059AE
4059A	CMS	CTR	COUNTER, DIV BY N PROGRAM SYNC	DIL24P	+10V	85C	-	-	C047	VAR	CD4059AE
4060	CMS	CTR	COUNTER+OSC,14BT,BINARY,RIPPLE	DIL16P	+10V	85C	-	-	C034	VAR	CD4060AE
4060A	CMS	CTR	COUNTER+OSC,14BT,BINARY,RIPPLE	DIL16P	+10V	85C	-	-	C034	VAR	CD4060AE
4060B	CMS	CTR	COUNTER+OSC,14BT,BINARY,RIPPLE	DIL16P	+15V	85C	-	-	C034	VAR	CD4060BE
4061	CMS	MEM	RAM, 256X1 BIT, STATIC	DIL16C	+10V	85C	-	-	S016	RCA	CD4061AE
4062	CMS	SRG	SHIFT REG, 200BT, DYNAMIC	DIL16P	+10V	85C	-	-	R056	VAR	CD4062AE
4062A	CMS	SRG	SHIFT REG, 200BT, DYNAMIC	DIL16P	+10V	85C	-	-	R056	VAR	CD4062AE
4063B	CMS	CMP	COMPARATOR, MAGNITUDE, 4 BIT	DIL16P	+15V	85C	-	-	Z053	VAR	CD4063BE
4066	CMS	SWT	SWITCH, SPST,BILATERAL, QUAD	DIL14P	+10V	85C	-	-	Z054	VAR	CD4066AE
4066A	CMS	SWT	SWITCH, SPST, BILATERAL, QUAD	DIL14P	+10V	85C	-	-	Z054	VAR	CD4066AE
4066B	CMS	SWT	SWITCH, SPST, BILATERAL, QUAD	DIL14P	+15V	85C	-	-	Z054	VAR	CD4066BE
4066BFC	CMS	SWT	SWITCH, SPST,BILATERAL, QUAD	FLP14	+15V	85C	-	-	Z054	FAS	CD4066BMW
4066BFM	CMS	SWT	SWITCH, SPST,BILATERAL, QUAD	FLP14	+15V	125	-	-	Z054	FAS	CD4066BMW
4067B	CMS	XXX	MUX/DEMUX, 1 TO(FROM) 16 LINES	DIL24P	+15V	85C	-	-	M025	VAR	CD4067BE
4067BFC	CMS	XXX	MUX/DEMUX, 1 TO(FROM) 16 LINES	FLP24	+15V	85C	-	-	M025	FAS	HCF4067BK
4067BFM	CMS	XXX	MUX/DEMUX, 1 TO(FROM) 16 LINES	FLP24	+15V	125	-	-	M025	FAS	HCC4067BK
4068B	CMS	NAN	NAND, 8IP	DIL14P	+15V	85C	-	-	N023	VAR	CD4068BE
4068BDC	CMS	NAN	NAND, 8IP	DIL14C	+15V	85C	-	-	N023	FAS	MC14068BCL
4068BFC	CMS	NAN	NAND, 8IP	FLP14	+15V	85C	-	-	N023	FAS	HCC4068BE
4068BFM	CMS	NAN	NAND, 8IP	FLP14	+15V	125	-	-	N023	FAS	HCC4068BK
4069	CMS	INV	INVERTER, HEX	DIL14P	+10V	85C	-	-	I008	VAR	CD4069CN
4069A	CMS	INV	INVERTER, HEX	DIL14P	+10V	85C	-	-	I008	VAR	HBF4069AE
4069B	CMS	INV	INVERTER, HEX	DIL14P	+15V	85C	-	-	I008	VAR	HFC4069B
4069UB	CMS	INV	INVERTER, HEX	DIL14P	+15V	85C	-	-	I008	VAR	CD4069UBE
4069UBFC	CMS	INV	INVERTER, HEX	FLP14	+15V	85C	-	-	I008	FAS	HCF4069UBK
4069UBFM	CMS	INV	INVERTER, HEX	FLP14	+15V	125	-	-	I008	FAS	HBC4069UBK
4070B	CMS	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14P	+15V	85C	-	-	X008	VAR	CD4070BE
4070BFC	CMS	XOR	EXCLUSIVE OR, 2IP, QUAD	FLP14	+15V	85C	-	-	X008	FAS	CD4070BMW
4070BFM	CMS	XOR	EXCLUSIVE OR, 2IP, QUAD	FLP14	+15V	125	-	-	X008	FAS	CD4070BMW
4071	CMS	ORG	OR, 2 IP, QUAD	DIL14P	+10V	85C	-	-	O002	VAR	MC14071CP
4071A	CMS	ORG	OR, 2 IP, QUAD	DIL14P	+10V	85C	-	-	O002	VAR	MC14071CP
4071B	CMS	ORG	OR, 2IP, QUAD	DIL14P	+15V	85C	-	-	O002	VAR	CD4071BE

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
4071BFC	CMS	ORG	OR, 2IP, QUAD	FLP14	+15V	85C	-	-	O002	FAS	CD4071BMW
4071BFM	CMS	ORG	OR, 2IP, QUAD	FLP14	+15V	125		-	O002	FAS	CD4071BMW
4072B	CMS	ORG	OR, 4IP, DUAL	DIL14P	+15V	85C		-	O003	VAR	CD4072BE
4072BFC	CMS	ORG	OR, 4IP, DUAL	FLP14	+15V	85C	-	-	O003	FAS	CD4072BMW
4072BFM	CMS	ORG	OR, 4IP, DUAL	FLP14	+15V	125	-	-	O003	FAS	CD4072BMW
4073B	CMS	AND	AND, 3IP, TRIPLE	DIL14P	+15V	85C	-	-	A008	VAR	CD4073BE
4073BFC	CMS	AND	AND, 3IP, TRIPLE	FLP14	+15V	85C	-	-	A008	FAS	CD4073BMW
4073BFM	CMS	AND	AND, 3IP, TRIPLE	FLP14	+15V	125	-	-	A008	FAS	CD4073BMW
4075B	CMS	ORG	OR, 3IP, TRIPLE	DIL14P	+15V	85C	-	-	O004	VAR	CD4075BE
4075BFC	CMS	ORG	OR, 3IP, TRIPLE	FLP14	+15V	85C	-	-	O004	FAS	CD4075BMW
4075BFM	CMS	ORG	OR, 3IP, TRIPLE	FLP14	+15V	125	-	-	O004	FAS	CD4075BMW
4076B	CMS	FFD	FF/D, REGISTER, QUAD	DIL16P	+15V	85C	-	-	F053	VAR	CD4076BE
4076BFC	CMS	FFD	FF/D, REGISTER, QUAD	FLP16	+15V	85C	-	-	F053	FAS	CD4076BMW
4076BFM	CMS	FFD	FF/D, REGISTER, QUAD	FLP16	+15V	125	-	-	F053	FAS	CD4076BMW
4077B	CMS	XNR	EXCLUSIVE NOR, QUAD	DIL14P	+15V	85C	-	-	X009	VAR	CD4077BE
4077BFC	CMS	XNR	EXCLUSIVE NOR, QUAD	FLP14	+15V	85C	-	-	X009	FAS	HCF4077BK
4077BFM	CMS	XNR	EXCLUSIVE NOR, QUAD	FLP14	+15V	125	-	-	X009	FAS	HCC4077BK
4078B	CMS	NOR	NOR, 8IP	DIL14P	+15V	85C	-	-	Q020	VAR	CD4078BE
4078BFC	CMS	NOR	NOR, 8IP	FLP14	+15V	85C	-	-	Q020	FAS	HCF4078BK
4078BFM	CMS	NOR	NOR, 8IP	FLP14	+15V	125	-	-	Q020	FAS	HCC4078BK
4081	CMS	AND	AND, 2 IP, QUAD	DIL14P	+10V	85C	-	-	A009	VAR	MC14081CP
4081A	CMS	AND	AND, 2 IP, QUAD	DIL14P	+10V	85C	-	-	A009	VAR	CM4081AE
4081B	CMS	AND	AND, 2 IP, QUAD	DIL P	+15V	85C	-	-	A009	VAR	CD4081BE
4081BFC	CMS	AND	AND, 2IP, QUAD	FLP14	+15V	85C	-	-	A009	FAS	CD4081BMW
4081BFM	CMS	AND	AND, 2IP, QUAD	FLP14	+15V	125	-	-	A009	FAS	CD4081BMW
4082B	CMS	AND	AND, 4 IP, DUAL	DIL14P	+15V	85C	-	-	A010	VAR	CD4082BE
4082BFC	CMS	AND	AND, 4IP, DUAL	FLP14	+15V	85C	-	-	A010	FAS	CD4082BMW
4082BFM	CMS	AND	AND, 4IP, DUAL	FLP14	+15V	125	-	-	A010	FAS	CD4082BFM
4085B	CMS	AOI	AND-OR-INVERT, 2IP,2 WIDE,DUAL	DIL14P	+15V	85C	-	-	Y027	VAR	CD4085BE
4085BDC	CMS	AOI	AND-OR-INVERT, 2IP,2 WIDE,DUAL	DIL14C	+15V	85C	-	-	Y027	FAS	CD4085BD
4085BFC	CMS	AOI	AND-OR-INVERT, 2IP,2 WIDE,DUAL	FLP14	+15V	85C	-	-	Y027	FAS	HCF4085BK
4085BFM	CMS	AOI	AND-OR-INVERT, 2IP,2 WIDE,DUAL	FLP14	+15V	125	-	-	Y027	FAS	HCC4085AK
4086B	CMS	AOI	AOI, 2 IP,4 WIDE,EXPANDABLE	DIL14P	+15V	85C	-	-	Y028	VAR	CD4086BE
4086BDC	CMS	AOI	AOI, 2IP,4 WIDE,EXPANDABLE	DIL14C	+15V	85C	-	-	Y028	FAS	CD4086BD
4086BFC	CMS	AOI	AOI, 2IP,4 WIDE,EXPANDABLE	FLP14	+15V	85C	-	-	Y028	FAS	HCF4086BK
4086BFM	CMS	AOI	AOI, 2IP,4 WIDE,EXPANDABLE	FLP14	+15V	125	-	-	Y028	FAS	HCC4086BK
4089B	CMS	MLT	MULTIPLIER, RATE, BINARY	DIL16P	+15V	85C	-	-	Z055	VAR	CD4089BCN
4093B	CMS	NAN	NAND, 2IP, SCHMITT, QUAD	DIL14P	+15V	85C	-	-	N024	VAR	CD4093BE
4093BFC	CMS	NAN	NAND, 2IP, SCHMITT, QUAD	FLP14	+15V	85C	-	-	N024	FAS	CD4093BMW
4093BFM	CMS	NAN	NAND, 2IP, SCHMITT, QUAD	FLP14	+15V	125	-	-	N024	FAS	CD4093BMW
4094B	CMS	REG	REGISTER, BUS,8BT,SER-PAR,HLDG	DIL14P	+15V	85C	-	-	R050	VAR	CD4094BE
4095B	CMS	FFJ	FF/JK, MASTER SLAVE, NON INV	DIL14P	+15V	85C	-	-	F054	VAR	CD4095BE
4096B	CMS	FFJ	FF/JK,MASTER SLAVE,INV+NON INV	DIL14P	+15V	85C	-	-	F057	VAR	CD4096BE
4097B	CMS	XXX	MUX/DEMUX, DIFF,8CHANNEL, DUAL	DIL24P	+15V	85C	-	-	M026	VAR	CD4097BE
4098B	CMS	MON	MULTI, MONO,RETRIGGERABLE,DUAL	DIL16P	+15V	85C	-	-	U009	VAR	CD4098BE
4099B	CMS	LCH	LATCH, 8 BIT, ADDRESSABLE	DIL16P	+15V	85C	-	-	L021	VAR	MC14099BCP
4104B	CMS	LSH	LEVEL TRANSLATOR,LO-HI V, QUAD	DIL16P	+15V	85C	-	-	N024	FAS	4104BPC
4104BDC	CMS	LSH	LEVEL TRANSLATOR,LO-HI V, QUAD	DIL16C	+15V	85C	-	-	N024	FAS	MD4104BC
4104BDM	CMS	LSH	LEVEL TRANSLATOR,LO-HI V, QUAD	DIL16C	+15V	125	-	-	N024	FAS	MD4104BD
4104BFC	CMS	LSH	LEVEL TRANSLATOR,LO-HI V, QUAD	FLP16	+15V	85C	-	-	N024	FAS	MD4104BK
4104BFM	CMS	LSH	LEVEL TRANSLATOR,LO-HI V, QUAD	FLP16	+15V	125	-	-	N024	FAS	MD4104BK
4104BPC	CMS	LSH	LEVEL TRANSLATOR,LO-HI V, QUAD	DIL16P	+15V	85C	-	-	N024	FAS	MD4104BE
4160B	CMS	CTR	COUNTER,DECADE,SYNC, ASYNC CLR	DIL16P	+15V	85C	-	-	C038	MOT	MC14160BCP
4161B	CMS	CTR	COUNTER,BIN 4BT,SYNC,ASYNC CLR	DIL16P	+15V	85C	-	-	C03	MOT	MC14161BCP
4162B	CMS	CTR	COUNTER,DECADE,SYNC, SYNC CLR	DIL16P	+15V	85C	-	-	C038	MOT	MC14162BCP
4163B	CMS	CTR	COUNTER,BINARY,SYNC, SYNC CLR	DIL16P	+15V	85C	-	-	C038	MOT	MC14163BCP
4174B	CMS	FFD	FF/D, HEX	DIL16P	+10V	85C	-	-	F055	MOT	MC14174BCP
4175B	CMS	FFD	FF/D, QUAD	DIL16P	+10V	85C	-	-	F056	MOT	MC14175BCL
4194B	CMS	SRG	SHIFT REG, 4BT, BIDIRECTIONAL	DIL16P	+10V	85C	-	-	R055	MOT	MC14194BCP
4400 SERIES	CMS	VAR	MOTOROLA SUBSYSTEM DEVICE SER.	DIL---	VAR	85C	-	-	VAR	MOT	MC14400 SER
4500 SERIES	CMS	VAR	ABBREVIATED CODE CD4500 SERIES	-	-	-	-	-	-	VAR	CD4500 SERIES
4500A SERIES	CMS	VAR	ABBREVIATED CODE CD4500A SER.	-	+10V	-	-	-	-	VAR	CD4500A SER.
4500B	CMS	XXX	INDUSTRIAL CONTROL UNIT	DIL16P	+15V	85C		-	Z999	VAR	MC14500BCP
4500B SERIES	CMS	VAR	ABBREVIATED CODE CD4500B SER.	-	+15V	-	-	-	-	VAR	CD4500B SER.
4500UB SERIES	CMS	VAR	ABBREVIATED CODE CD4500UB SER.	-	+15V	-	-	-	-	VAR	CD4500UB SER
4501UB	CMS	NAN	GATES,DUAL 4IP NAND,2IP NOR/OR	DIL16P	+15V	85C	-	-	Z999	VAR	MC14501UB
4502B	CMS	INV	INVERTER/BUFFER, STROBED, HEX	DIL16P	+15V	85C	-	-	I010	VAR	CD4502BE
4503B	CMS	BUF	BUFFER, NON-INV, 3S, HEX	DIL16P	+15V	85C	-	-	B020	VAR	MC14503BCP
4504B	CMS	LSH	LEVEL SHIFTER, TTL-CMOS, HEX	DIL16P	+15V	85C	-	-	Z999	MOT	MC14504BCP
4505C	CMS	MEM	RAM, 64X1 BIT, STATIC	DIL14P	+10V	85C	-	-	Z999	VAR	MCM14505CP
4506B	CMS	AOI	AOI, EXPANDABLE, DUAL	DIL16P	+15V	85C	-	-	Z999	VAR	-
4507B	CMS	XOR	EXCLUSIVE OR, QUAD	DIL14P	+15V	85C	-	-	X008	VAR	CD4507BCN
4507C	CMS	XOR	EXCLUSIVE OR, QUAD	DIL14P	+10V	85C	-	-	X008	MOT	MC14507CP
4508B	CMS	LCH	LATCH, 4 BIT, DUAL	DIL24P	+15V	85C	-	-	L022	VAR	CD4508BE
4510B	CMS	CTR	COUNTER,BCD,UP-DWN,SYNC,PRESET	DIL16P	+15V	85C	-	-	C040	VAR	CD4510BE

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
4510BFC	CMS	CTR	COUNTER,BCD,UP-DWN,SYNC,PRESET	FLP16	+15V	85C	-	-	C040	FAS	CD4510BMW
4510BFM	CMS	CTR	COUNTER,BCD,UP-DWN,SYNC,PRESET	FLP16	+15V	125	-	-	C040	FAS	CD4510BMW
4511B	CMS	DSP	DRIVER/DECODER/LATCH,BCD-7SGMT	DIL16P	+15V	85C	-	-	D026	VAR	CD4511BE
4511BFC	CMS	DSP	DRIVER/DECODER/LATCH,BCD-7SGMT	FLP16	+15V	85C	-	-	D026	FAS	CD4511BMW
4511BFM	CMS	DSP	DRIVER/DECODER/LATCH,BCD-7SGMT	FLP16	+15V	125	-	-	D026	FAS	CD4511BMW
4512A	CMS	MUX	MUX, DATA SELECTOR, 8 CHANNEL	DIL16P	+10V	85C	-	-	M028	VAR	CD4512CN
4512B	CMS	MUX	MUX, DATA SELECTOR, 8 CHANNEL	DIL16P	+15V	85C	-	-	M028	VAR	MC14512BCP
4512BFC	CMS	MUX	MUX, DATA SELECTOR, 8 CHANNEL	FLP16	+15V	85C	-	-	M028	FAS	HCF4512BK
4512BFM	CMS	MUX	MUX, DATA SELECTOR, 8 CHANNEL	FLP16	+15V	125	-	-	M028	FAS	HCC4512BK
4513B	CMS	DSP	DRIVER/LTCH/DECODER,BCD-7SG,RB	DIL18P	+15V	85C	-	-	Z999	VAR	MC14513BCP
4514B	CMS	DCD	DECODER, 4-16LN,4BT,ACT HI,LCH	DIL24P	+15V	85C	-	-	D027	VAR	CD4514BE
4514BFC	CMS	DCD	DECODER, 4-16LN,4BT,ACT HI,LCH	FLP24	+15V	85C	-	-	D027	FAS	CD4514BMW
4514BFM	CMS	DCD	DECODER, 4-16LN,4BT,ACT HI,LCH	FLP24	+15V	125	-	-	D027	FAS	CD4514BMW
4515B	CMS	DCD	DECODER,4-16 LN,4BT,ACT LO,LCH	DIL24P	+15V	85C	-	-	D028	VAR	CD4515BE
4515BFC	CMS	DCD	DECODER,4-16 LN,4BT,ACT LO,LCH	FLP24	+15V	85C	-	-	D028	FAS	CD4515BMW
4515BFM	CMS	DCD	DECODER,4-16 LN,4BT,ACT LO,LCH	FLP24	+15V	125	-	-	D028	FAS	CD4515BMW
4516B	CMS	CTR	COUNTER, BINARY,UP DOWN, SYNCH	DIL16P	+15V	85C	-	-	C041	VAR	CD4516BN
4516BFC	CMS	CTR	COUNTER, BINARY,UP DOWN, SYNCH	FLP16	+15V	85C	-	-	C041	FAS	CD4516BMW
4516BFM	CMS	CTR	COUNTER, BINARY,UP DOWN, SYNCH	FLP16	+15V	125	-	-	C041	FAS	CD4516BMW
4517B	CMS	SRG	SHIFT REG, 64 BIT, STATIC,DUAL	DIL16P	+15V	85C	-	-	Z999	VAR	CD4517BE
4518B	CMS	CTR	COUNTER, BCD,UP,SYNC, DUAL	DIL16P	+15V	85C	-	-	C042	VAR	CD4518BE
4518BFC	CMS	CTR	COUNTER, BCD,UP,SYNC, DUAL	FLP16	+15V	85C	-	-	C042	FAS	CD4518BMW
4518BFM	CMS	CTR	COUNTER, BCD,UP,SYNC, DUAL	FLP16	+15V	125	-	-	C042	FAS	CD4518BMW
4519B	CMS	MUX	MULTIPLEXER, 2IP, A/O SEL,QUAD	DIL16P	+15V	85C	-	-	M034	VAR	CD4519BCN
4519BFC	CMS	MUX	MULTIPLEXER, 2IP, A/O SEL,QUAD	FLP16	+15V	125	-	-	M034	FAS	CD4519BMW
4519BFM	CMS	MUX	MULTIPLEXER, 2IP, A/O SEL,QUAD	FLP16	+15V	125	-	-	M034	FAS	CD4519BMW
4520B	CMS	CTR	COUNTER, BINARY,UP,SYNC, DUAL	DIL16P	+15V	85C	-	-	C043	VAR	CD4502BE
4520BFC	CMS	CTR	COUNTER, BINARY,UP,SYNC, DUAL	FLP16	+15V	85C	-	-	C043	FAS	CD4520BMW
4520BFM	CMS	CTR	COUNTER, BINARY,UP,SYNC, DUAL	FLP16	+15V	125	-	-	C043	FAS	CD4520BMW
4521B	CMS	DIV	DIVIDER, FREQUENCY, 24-STAGE	DIL16P	+15V	85C	-	-	C044	VAR	MC14521BCP
4521BFC	CMS	DIV	DIVIDER, FREQUENCY, 24-STAGE	FLP16	+15V	85C	-	-	C044	FAS	4521BFM
4521BFM	CMS	DIV	DIVIDER, FREQUENCY, 24-STAGE	FLP16	+15V	125	-	-	C044	FAS	TC4521B
4522B	CMS	CTR	COUNTER, 4BT,DIV BY N,PROGRAMM	DIL16P	+15V	85C	-	-	C045	VAR	MC14522BCP
4522BFC	CMS	CTR	COUNTER, 4BT,DIV BY N,PROGRAMM	FLP16	+15V	85C	-	-	C045	FAS	CD4522BMW
4522BFM	CMS	CTR	COUNTER, 4BT,DIV BY N,PROGRAMM	FLP16	+15V	125	-	-	C045	FAS	CD4522BMW
4524	CMS	MEM	ROM, 1K=256X4 BIT	DIL16P	+10V	85C	-	-	Z999	VAR	MC14524CP
4526B	CMS	CTR	COUNTER, 4BT,BIN,DIV BY N,PROG	DIL16P	+15V	85C	-	-	C045	VAR	MC14526BCP
4526BFC	CMS	CTR	COUNTER, 4BT,BIN,DIV BY N,PROG	FLP16	+15V	85	-	-	C045	FAS	CD4526BMW
4526BFM	CMS	CTR	COUNTER, 4BT,BIN,DIV BY N,PROG	FLP16	+15V	125	-	-	C045	FAS	CD4526BMW
4527B	CMS	MLT	MULTIPLIER, RATE,BCD	DIL16P	+15V	85C	-	-	Z061	VAR	CD4527BE
4527BFC	CMS	MLT	MULTIPLIER, RATE,BCD	FLP16	+15V	85C	-	-	Z061	FAS	CD4527BMW
4527BFM	CMS	MLT	MULTIPLIER, RATE,BCD	FLP16	+15V	125	-	-	Z061	FAS	CD4527BMW
4528B	CMS	MON	MULTI, MONOSTABLE,RETRIGG,DUAL	DIL16P	+15V	85C	-	-	U009	VAR	MC14528BCP
4528BFC	CMS	MON	MULTI, MONOSTABLE,RETRIGG,DUAL	FLP16	+15V	85C	-	-	U009	FAS	CD4528BMW
4528BFM	CMS	MON	MULTI, MONOSTABLE,RETRIGG,DUAL	FLP16	+15V	125	-	-	U009	FAS	CD4528BMW
4529B	CMS	ASW	ANALOG DATA SELECTOR,4 CH,DUAL	DIL16P	+15V	85C	-	-	M029	VAR	MC14529B
4530B	CMS	XXX	MAJORITY LOGIC GATE	DIL16P	+15V	85C	-	-	Z062	VAR	MC14530BCP
4531B	CMS	XXX	PARITY TREE, 12 BIT	DIL16P	+15V	85C	-	-	Z999	VAR	MC14531BCP
4531BFC	CMS	XXX	PARITY TREE, 12 BIT	FLP16	+15V	85C	-	-	Z999	MOT	HD14351B
4531BFM	CMS	XXX	PARITY TREE, 12 BIT	FLP16	+15V	85C	-	-	Z999	FAS	HD14351B
4532B	CMS	ENC	ENCODER, PRIORITY	DIL16P	+15V	85C	-	-	M030	VAR	CD4532BE
4532BFC	CMS	ENC	ENCODER, PRIORITY	FLP16	+15V	85C	-	-	M030	FAS	HCF4532BK
4532BFM	CMS	ENC	ENCODER, PRIORITY	FLP16	+15V	85C	-	-	M030	FAS	HCF4532BK
4534B	CMS	CTR	COUNTER, 5 DECADE, REAL TIME	DIL24P	+15V	85C	-	-	Z999	VAR	MC14534BCP
4534BFC	CMS	CTR	COUNTER, 5 DECADE, REAL TIME	FLP24	+15V	85C	-	-	Z999	FAS	4534BFM
4534BFM	CMS	CTR	COUNTER, 5 DECADE, REAL TIME	FLP24	+15V	125	-	-	Z999	FAS	HD14534B
4536B	CMS	XXX	TIMER, PROGRAMMABLE	DIL16P	+15V	85C	-	-	Z999	VAR	CD4536BE
CD4536BE	CMS	XXX	TIMER, PROGRAMMABLE	DIL16P	+15V	85C	-	-	Z999	MOT	MC14536BCP
4537	CMS	MEM	RAM, 256X1 BIT, STATIC	DIL16C	+15V	85C	-	-	U006	VAR	MCM14537CL
4538B	CMS	MON	MULTI,MONOSTABLE,PRECISN, DUAL	DIL16P	+15V	85C	-	-	U006	VAR	MC14538BCP
4538BFC	CMS	MON	MULTI,MONOSTABLE,PRECISN, DUAL	FLP16	+15V	85C	-	-	U006	FAS	MSM4538B
4538BFM	CMS	MON	MULTI,MONOSTABLE,PRECISN, DUAL	FLP16	+15V	125	-	-	U006	FAS	MSM4538
4539B	CMS	MUX	MULTIPLEXER,4 CH SELECTOR,DUAL	DIL16P	+15V	85C	-	-	M004	VAR	MC14539BCP
4539BFC	CMS	MUX	MULTIPLEXER,4 CH SELECTOR,DUAL	FLP16	+15V	85C	-	-	M004	FAS	TC4539B
4539BFM	CMS	MUX	MULTIPLEXER,4 CH SELECTOR,DUAL	FLP16	+15V	125	-	-	M004	FAS	TC4539B
4541B	CMS	XXX	OSCILLATOR TIMER, PROGRAMMABLE	DIL14P	+15V	85C	-	-	Z063	VAR	MC14541BCP
4543B	CMS	DSP	DRIVER/LATCH/DECODER,BCD-7SGMT	DIL16P	+15V	85C	-	-	D024	VAR	MC14543BCP
4543BFC	CMS	DSP	DRIVER/LATCH/DECODER, BCD-7SGT	FLP16	+15V	85C	-	-	D024	FAS	CD4543BMW
4543BFM	CMS	DSP	DRIVER/LATCH/DECODR,BCD-7SGT	FLP16	+15V	125	-	-	D024	FAS	CD4543BMW
4544B	CMS	DSP	DRIVER/LTCH/DECDR,BCD-7SGT, RB	DIL18P	+15V	85C	-	-	Z999	VAR	MC14544BCP
4553BFC	CMS	CTR	COUNTER, BCD, 3 DIGIT	FLP16	+15V	85C	-	-	Z999	FAS	-
4553BFM	CMS	CTR	COUNTER, BCD, 3 DIGIT	FLP16	+15V	125	-	-	Z999	FAS	-
4547B	CMS	DSP	DRIVER/LATCH/DECODER, BCD-7SGT	DIL16P	+10V	85C	-	-	Z999	VAR	MC14547BCP
4549B	CMS	XXX	REGISTER, SUCCESSIVE APPROXN	DIL16P	+15V	85C	-	-	Z999	VAR	MC14549BCP
4551B	CMS	ASW	ANALOG MUX, 2 CHANNEL, QUAD	DIL16P	+10V	85C	-	-	M031	VAR	MC14551BCP

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
4552C	CMS	MEM	RAM, 64X4 BIT, STATIC	DIL24P	+15V	85C	-	-	Z999	VAR	MCM14552CP
4553B	CMS	CTR	COUNTER, BCD, 3 DIGIT	DIL16P	+15V	85C	-	-	Z999	VAR	MC14553BCP
4554B	CMS	MLT	MULTIPLIER, 2X2 BIT,PARALL,BIN	DIL16P	+15V	85C	-	-	Z999	VAR	MC14554CP
4555B	CMS	DCD	DECODER, 2-4 LN, NON INV, DUAL	DIL16P	+15V	85C	-	-	D029	VAR	CD4555BE
4555BFC	CMS	DCD	DECODER,2-4 LN,NON INV, DUAL	FLP16	+15V	85C	-	-	D029	FAS	4555BFC
4555BFM	CMS	DCD	DECODER,2-4 LN,NON INV, DUAL	FLP16	+15V	125	-	-	D029	FAS	HD1455B
4556B	CMS	DCD	DECODER,2-4 LN,INV,ACT LO DUAL	DIL16P	+15V	85C	-	-	D030	VAR	CD4556BE
4556BFC	CMS	DCD	DECODER,2-4 LN,INV,ACT LO,DUAL	FLP16	+15V	85C	-	-	D030	FAS	HCF4556BK
4556BFM	CMS	DCD	DECODER,2-4 LN,INV,ACT LO,DUAL	FLP16	+15V	125	-	-	D030	FAS	HCC4556BK
4557B	CMS	SRG	SHIFT REG,1-TO-64BT,VAR LENGTH	DIL16P	+15V	85C	-	-	Z999	VAR	MC14557BCP
4557BFC	CMS	SRG	SHIFT REG,1-TO-64BT,VAR LENGTH	FLP16	+15V	85C	-	-	Z999	FAS	HD14557B
4557BFM	CMS	SRG	SHIFT REG,1-TO-64BT,VAR LENGTH	FLP16	+15V	125	-	-	Z999	FAS	HD14557B
4558B	CMS	DSP	DECODER/LATCH, BCD-7 SGT	DIL16P	+15V	85C	-	-	D003	VAR	MC14558BCP
4559B	CMS	XXX	REGISTER, SUCCESSIVE APPROXN	DIL16P	+15V	85C	-	-	Z999	VAR	MC14559BCP
4560B	CMS	ADD	ADDER,NBCD(NATURL BIN COD DEC)	DIL16P	+15V	85C	-	-	Z999	VAR	MC14560BCP
4560BFC	CMS	ADD	ADDER,NBCD(NATURL BIN COD DEC)	FLP16	+15V	85C	-	-	Z999	FAS	TC4560B
4560BFM	CMS	ADD	ADDER,NBCD(NATURL BIN COD DEC)	FLP16	+15V	125	-	-	Z999	FAS	TC4560B
4561B	CMS	XXX	COMPLEMENTER, NINES	DIL14P	+15V	85C	-	-	Z999	VAR	MC14561BCP
4561BFC	CMS	XXX	COMPLEMENTER, NINES	FLP14	+15V	85C	-	-	Z999	FAS	TC4561B
4561BFM	CMS	XXX	COMPLEMENTER, NINES	FLP14	+15V	125	-	-	Z999	FAS	TC4561B
4562B	CMS	SRG	SHIFT REG, 128 BIT, STATIC	DIL14P	+15V	85C	-	-	Z999	VAR	MC14562BCP
4566B	CMS	XXX	TIME BASE GENERATOR,INDUSTRIAL	DIL16P	+15V	85C	-	-	Z999	VAR	MC14566BCP
4566BFC	CMS	XXX	TIME BASE GENERATOR,INDUSTRIAL	FLP16	+15V	85C	-	-	Z999	FAS	-
4566BFM	CMS	XXX	TIME BASE GENERATOR,INDUSTRIAL	FLP16	+15V	125	-	-	Z999	FAS	-
4568B	CMS	CTR	COUNTER,PHASE COMPARATOR,PROGR	DIL16P	+15V	85C	-	-	C046	VAR	MC14568BCP
4569B	CMS	CTR	COUNTER,BCD BINARY,PROGR, DUAL	DIL16P	+15V	85C	-	-	Z999	VAR	-
4572UB	CMS	XXX	GATES,2IP AND+2IP NOR+QUAD INV	DIL16P	+15V	85C	-	-	Z999	VAR	MC14572UBCP
4573	CMS	XXX	OPAMP, PROGRAMMABLE, QUAD	DIL16P	+10V	85C	-	-	Z999	VAR	MC14573CP
4574	CMS	CMP	COMPARATOR, PROGRAMMABLE, QUAD	DIL16P	+10V	85C	-	-	Z999	VAR	MC14574CP
4575	CMS	XXX	OPAMP/COMPARTR,PROGR,DUAL/DUAL	DIL16P	+10V	85C	-	-	Z999	VAR	MC14575CP
4580B	CMS	XXX	REGISTER, MULTIPORT, 4X4 BIT	DIL24P	+15V	85C	-	-	Z999	VAR	MC14580BCP
4581B	CMS	ALU	ALU(ARITHMETIC LOGIC UNIT),4BT	DIL24P	+15V	85C	-	-	Z999	VAR	MC14581BCP
4581BFC	CMS	ALU	ALU(ARITHMETIC LOGIC UNIT),4BT	FLP24	+15V	85C	-	-	Z999	FAS	SCL4581BF
4581BFM	CMS	ALU	ALU(ARITHMETIC LOGIC UNIT),4BT	FLP24	+15V	125	-	-	Z999	FAS	BCL4581BF
4582B	CMS	LAC	LOOK AHEAD CARRY BLOCK	DIL16P	+15V	85C	-	-	Z999	VAR	MC14582BCP
4582BFC	CMS	LAC	LOOK AHEAD CARRY BLOCK	FLP16	+15V	85C	-	-	Z999	FAS	SCL4582BF
4582BFM	CMS	LAC	LOOK AHEAD CARRY BLOCK	FLP16	+15V	125	-	-	Z999	FAS	BCL4582BF
4583B	CMS	SCH	SCHMITT TRIGGER, INVERTER,DUAL	DIL16P	+15V	85C	-	-	I011	VAR	MC14583BCP
4583BFC	CMS	SCH	SCHMITT TRIGGER, INVERTER,DUAL	FLP16	+15V	85C	-	-	I011	FAS	TC4583B
4583BFM	CMS	SCH	SCHMITT TRIGGER, INVERTER,DUAL	FLP16	+15V	125	-	-	I011	FAS	TC4583BF
4584B	CMS	SCH	SCHMITT TRIGGER, INVERTER, HEX	DIL14P	+15V	85C	-	-	I004	VAR	MC14584BCP
4585B	CMS	CMP	COMPARATOR, MAGNITUDE, 4 BIT	DIL16P	+15V	85C	-	-	Z025	VAR	CD4585BE
4597B	CMS	CTR	COUNTER/LATCH, 8BT,BUS COMPAT.	DIL16P	+15V	85C	-	-	Z999	VAR	MC4597BCP
4598B	CMS	LCH	LATCH,ADDRESSABLE,8BT,BUS COMP	DIL18P	+15V	85C	-	-	Z999	VAR	MC14598BCP
4599B	CMS	LCH	LATCH,ADDRESSABLE.8BT,BUS COMP	DIL18P	+15V	85C	-	-	Z999	VAR	MC14599BCP
4700A SERIES	CMS	VAR	SGS SPECIAL NON-4700B SERIES	DIL---	+10V	VAR	-	-	-	SGS	-
4700B SERIES	CMS	VAR	FAIRCHILD SPECIAL FUNCT SER	-	+15V	-	-	-	-	FAS	-
4700BDC SER.	CMS	VAR	85C CER DIL VRSN OF 4700B SER	DIL--C	+15V	85C	-	-	-	FAS	HEF4700BD SER
4700BDM SER	CMS	VAR	125C CER DIL VRSN 4700B SERIES	DIL--C	+15V	125	-	-	-	FAS	-
4700BFC SER.	CMS	VAR	85C FLAT PK VRSN 4700B SERIES	FLP---	+15V	85C	-	-	-	FAS	-
4700BFM SER	CMS	VAR	125C FLAT PK VRSN 4700B SERIES	FLP---	+15V	125	-	-	-	FAS	-
4700BPC SER	CMS	VAR	85C PLAS DIL VRSN 4700B SERIES	DIL--P	+15V	85C	-	-	-	FAS	-
4702BDC	CMS	XXX	RATE BIT GENERATOR, PROGRAMMBL	DIL16C	+5V	85C	-	-	Z999	FAS	-
4702BDM	CMS	XXX	RATE BIT GENERATOR, PROGRAMMBL	DIL16C	+5V	125	-	-	Z999	FAS	4702BXDM
4702BFC	CMS	XXX	RATE BIT GENERATOR, PROGRAMMBL	FLP16	+5V	85C	-	-	Z999	FAS	-
4702BFM	CMS	XXX	RATE BIT GENERATOR, PROGRAMMBL	FLP16	+5V	85C	-	-	Z999	FAS	-
4702BPC	CMS	XXX	RATE BIT GENERATOR, PROGRAMMBL	DIL16P	+5V	85C	-	-	Z999	FAS	-
4702BX GROUP	CMS	XXX	10V VERSION OF 5V 4702B GROUP	-	+10V	-	-	-	-	FAS	-
4703BDC	CMS	SRG	FIFO, 64=16X4 BIT, PISO	DIL24C	+10V	85C	-	-	Z999	FAS	-
4703BDM	CMS	SRG	FIFO, 64=16X4 BIT, PISO	DIL24C	+10V	125	-	-	Z999	FAS	4703BXDM
4703BFC	CMS	SRG	FIFO, 64=16X4 BIT, PISO	FLP24	+10V	85C	-	-	Z999	FAS	-
4703BFM	CMS	SRG	FIFO, 64=16X4 BIT, PISO	FLP24	+10V	85C	-	-	Z999	FAS	-
4703BPC	CMS	SRG	FIFO, 64=16X4 BIT, PISO	DIL24P	+10V	85C	-	-	Z999	FAS	-
4703BX GROUP	CMS	XXX	15V VERSION OF 10V 4703B GROUP	-	+15V	-	-	-	-	FAS	-
4704BDC	CMS	SWT	SWITCH, DATA PATH	DIL24C	+10V	85C	-	-	Z999	FAS	-
4704BDM	CMS	SWT	SWITCH, DATA PATH	DIL24C	+10V	125	-	-	Z999	FAS	4704BXDM
4704BFC	CMS	SWT	SWITCH, DATA PATH	FLP24	+10V	85C	-	-	Z999	FAS	-
4704BFM	CMS	SWT	SWITCH, DATA PATH	FLP24	+10V	85C	-	-	Z999	FAS	-
4704BPC	CMS	SWT	SWITCH, DATA PATH	DIL24P	+10V	85C	-	-	Z999	FAS	-
4704BX GROUP	CMS	SWT	15V VERSION OF 10V 4704B GROUP	-	+15V	-	-	-	-	FAS	-
4705BDC	CMS	XXX	REGISTER STACK, ALU	DIL24C	+10V	85C	-	-	Z999	FAS	-
4705BDM	CMS	XXX	REGISTER STACK, ALU	DIL24C	+10V	125	-	-	Z999	FAS	4705BXDM
4705BFC	CMS	XXX	REGISTER STACK, ALU	FLP24	+10V	85C	-	-	Z999	FAS	-
4705BFM	CMS	XXX	REGISTER STACK, ALU	FLP24	+10V	125	-	-	Z999	FAS	-
4705BPC	CMS	XXX	REGISTER STACK, ALU	DIL24P	+10V	85C	-	-	Z999	FAS	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
4705BX GROUP	CMS	XXX	15V VERSION OF 10V 4705B GROUP	-	+15V	-	-	-	-	FAS	-
4706BDC	CMS	XXX	PROGRAM STACK, 16 WORD, 4 BIT	DIL24C	+10V	85C	-	-	Z999	FAS	-
4706BDM	CMS	XXX	PROGRAM STACK, 16 WORD, 4 BIT	DIL24C	+10V	125	-	-	Z999	FAS	4706BXDM
4706BFC	CMS	XXX	PROGRAM STACK, 16 WORD, 4 BIT	FLP24C	+10V	85C	-	-	Z999	FAS	-
4706BFM	CMS	XXX	PROGRAM STACK, 16 WORD, 4 BIT	FLP24	+10V	125	-	-	Z999	FAS	-
4706BPC	CMS	XXX	PROGRAM STACK, 16 WORD, 4 BIT	DIL24P	+10V	85C	-	-	Z999	FAS	-
4706BX GROUP	CMS	XXX	15V VERSION OF 10V 4706B GROUP	-	+15V	-	-	-	-	FAS	-
4707BDC	CMS	REG	REGISTER, DATA ACCESS	DIL24C	+10V	85C	-	-	Z999	FAS	-
4707BDM	CMS	REG	REGISTER, DATA ACCESS	DIL24C	+10V	125	-	-	Z999	FAS	4707BXDM
4707BFC	CMS	REG	REGISTER, DATA ACCESS	FLP24	+10V	85C	-	-	Z999	FAS	-
4707BFM	CMS	REG	REGISTER, DATA ACCESS	FLP24	+10V	125	-	-	Z999	FAS	-
4707BPC	CMS	REG	REGISTER, DATA ACCESS	DIL24P	+10V	85C	-	-	Z999	FAS	-
4707BX GROUP	CMS	XXX	15V VERSION OF 10V 4707B GROUP	-	+15V	-	-	-	-	FAS	4707B GROUP
4708BDC	CMS	XXX	MICROPROGRAM SEQUENCER	DIL40C	+10V	85C	-	-	Z999	FAS	-
4708BDM	CMS	XXX	MICROPROGRAM SEQUENCER	DIL40C	+10V	125	-	-	Z999	FAS	4708BXDM
4708BPC	CMS	XXX	MICROPROGRAM SEQUENCER	DIL40P	+10V	85C	-	-	Z999	FAS	-
4708BX GROUP	CMS	XXX	15V VERSION OF 10V 4708B GROUP	-	+10V	-	-	-	-	FAS	-
4710BDC	CMS	MEM	RAM, 64=16X4 BIT, 3S, CLOCKED	DIL18C	+10V	85C	-	-	Z999	FAS	-
4710BDM	CMS	MEM	RAM, 64=16X4 BIT, 3S, CLOCKED	DIL18C	+10V	125	-	-	Z999	FAS	4710BXDM
4710BPC	CMS	MEM	RAM 64=16X4 BIT, 3S, CLOCKED	DIL18P	+10V	85C	-	-	Z999	FAS	-
4710BX GROUP	CMS	XXX	15V VERSION OF 10V 4710B GROUP	-	+10V	-	-	-	-	FAS	-
4720BDC	CMS	MEM	RAM, 256X1 BIT, 3S, STATIC	DIL16C	+10V	85C	-	-	S023	FAS	-
4720BDM	CMS	MEM	RAM, 256X1 BIT 3S, STATIC	DIL16C	+10V	125	-	-	S023	FAS	4720BXDM
4720BFC	CMS	MEM	RAM, 256X1 BIT, 3S, STATIC	FLP16	+10V	85C	-	-	S023	FAS	-
4720BFM	CMS	MEM	RAM, 256X1 BIT, 3S, STATIC	FLP16	+10V	125	-	-	S023	FAS	-
4720BPC	CMS	MEM	RAM, 256X1 BIT, 3S, STATIC	DIL16P	+10V	85C	-	-	S023	FAS	-
4720BX GROUP	CMS	XXX	15V VERSION OF 10V 4720B GROUP	-	+10V	-	-	-	S023	FAS	-
4721BDC	CMS	MEM	RAM, 1K=256X4BT, 3S, STATIC	DIL24C	+5V	85C	-	-	Z999	FAS	-
4721BDM	CMS	MEM	RAM, 1K=256X4BT, 3S, STATIC	DIL24C	+5V	125	-	-	Z999	FAS	4721BXDM
4721BFC	CMS	MEM	RAM, 1K=256X4BT, 3S, STATIC	FLP24	+5V	85C	-	-	Z999	FAS	-
4721BFM	CMS	MEM	RAM, 1K=256X4BT, 3S, STATIC	FLP24	+5V	125	-	-	Z999	FAS	-
4721BPC	CMS	MEM	RAM, 1K=256X4BT, 3S, STATIC	DIL24P	+5V	85C	-	-	Z999	FAS	-
4721BX GROUP	CMS	XXX	10V VERSION OF 5V 4721B GROUP	-	+10V	-	-	-	-	FAS	-
4722BDC	CMS	CTR	COUNTER/TIMER, PROGRAMMABLE	DIL16C	+15V	85C	-	-	Z999	FAS	-
4722BDM	CMS	CTR	COUNTER/TIMER, PROGRAMMABLE	DIL16C	+15V	125	-	-	Z999	FAS	-
4722BFC	CMS	CTR	COUNTER/TIMER, PROGRAMMABLE	FLP16	+15V	85C	-	-	Z999	FAS	-
4722BFM	CMS	CTR	COUNTER/TIMER, PROGRAMMABLE	FLP16	+15V	125	-	-	Z999	FAS	-
4722BPC	CMS	CTR	COUNTER/TIMER, PROGRAMMABLE	DIL16P	+15V	85C	-	-	Z999	FAS	-
4723BDC	CMS	LCH	LATCH, 4BT, ADDRESSABLE, DUAL	DIL16C	+15V	85C	-	-	L003	FAS	CD4723BCJ
4723BDM	CMS	LCH	LATCH, 4BT, ADDRESSABLE, DUAL	DIL16C	+15V	125	-	-	L003		CD4723BMJ
4723BFC	CMS	LCH	LATCH, 4BT, ADDRESSABLE, DUAL	FLP16	+15V	85C	-	-	L003	FAS	CD4723BMW
4723BFM	CMS	LCH	LATCH, 4BT, ADDRESSABLE, DUAL	FLP16	+15V	85C	-	-	L003	FAS	CD4723BMW
4723BPC	CMS	LCH	LATCH, 4BT, ADDRESSABLE, DUAL	DIL16P	+15V	85C	-	-	L003	FAS	CD4723BCN
4724BDC	CMS	LCH	LATCH, 8 BIT,ADDRESSABLE	DIL16C	+15V	85C	-	-	L004	FAS	CD4724BCJ
4724BFC	CMS	LCH	LATCH, 8 BIT,ADDRESSABLE	FLP16	+15V	85C	-	-	L004	FAS	CD4724BMW
4724BFM	CMS	LCH	LATCH, 8 BIT,ADDRESSABLE	FLP16	+15V	125	-	-	L004	FAS	CD4723BMW
4725BDC	CMS	MEM	RAM, 64=16X4BT,ADDRESSABLE,3S	DIL16C	+15V	85C	-	-	S001	FAS	-
4725BDM	CMS	MEM	RAM, 64=16X4BT,ADDRESSABLE,3S	DIL16C	+15V	125	-	-	S001	FAS	4725BXDM
4725BFC	CMS	MEM	RAM, 64=16X4BT,ADDRESSABLE,3S	FLP16	+15V	85C	-	-	S001	FAS	-
4725BFM	CMS	MEM	RAM, 64=16X4BT,ADDRESSABLE,3S	FLP16	+15V	85C	-	-	S001	FAS	-
4725BPC	CMS	MEM	RAM, 64=16X4BT,ADDRESSABLE,3S	DIL16P	+15V	85C	-	-	S001	FAS	-
4725BX GROUP	CMS	XXX	15V VERSION OF 10V 4725B GROUP	-	+10V	-	-	-	S001	FAS	-
4727BDC	CMS	DVD	COUNTER,7 STAGE,EL ORG DIVIDER	DIL14C	+15V	85C	-	-	-	FAS	-
4727BDM	CMS	DVD	COUNTER,7 STAGE,EL ORG DIVIDER	DIL14C	+15V	125	-	-	-	FAS	-
4727BFC	CMS	DVD	COUNTER,7 STAGE,EL ORG DIVIDER	FLP14	+15V	85C	-	-	-	FAS	-
4727BFM	CMS	DVD	COUNTER,7 STAGE,EL ORG DIVIDER	FLP14	+15V	125	-	-	-	FAS	-
4727BPC	CMS	DVD	COUNTER,7 STAGE,EL ORG DIVIDER	DIL14P	+15V	85C	-	-	-	FAS	-
4731BDC	CMS	SRG	SHIFT REG, 64 BIT,STATIC, QUAD	DIL14C	+10V	85C	-	-	-	FAS	-
4731BDM	CMS	SRG	SHIFT REG, 64 BIT,STATIC, QUAD	DIL14C	+10V	125	-	-	-	FAS	4731BXDM
4731BFM	CMS	SRG	SHIFT REG, 64 BIT,STATIC, QUAD	FLP16	+10V	85C	-	-	-	FAS	-
4731BPC	CMS	SRG	SHIFT REG, 64 BIT,STATIC, QUAD	DIL14P	+10V	85C	-	-	-	FAS	-
4731BX GROUP	CMS	XXX	15V VERSION OF 10V 4731B GROUP	-	+15V	-	-	-	-	FAS	-
4734BDC	CMS	DSP	DRVR/DECDR/LTCH, BCD-7SGMT, RB	DIL18C	+15V	85C	-	-	Z999	FAS	-
4734BDM	CMS	DSP	DRVR/DECDR/LTCH, BCD-7SGMT, RB	DIL18C	+15V	125	-	-	Z999	FAS	-
4734BPC	CMS	DSP	DRVR/DECDR/LTCH, BCD-7SGMT, RB	DIL18P	+15V	85C	-	-	Z999	FAS	-
4735BDC	CMS	MEM	ROM, 2K=256X8BT	DIL24C	+10V	85C	-	-	Z999	FAS	-
4735BDM	CMS	MEM	ROM, 2K=256X8BT	DIL24C	+10V	125	-	-	Z999	FAS	4735BXDM
4735BFC	CMS	MEM	ROM, 2K=256X8BT	FLP24	+10V	85C	-	-	Z999	FAS	-
4735BFM	CMS	MEM	ROM, 2K=256X8BT	FLP24	+10V	125	-	-	Z999	FAS	-
4735BPC	CMS	MEM	ROM, 2K=256X8BT	DIL24P	+10V	85C	-	-	Z999	FAS	-
4735BX GROUP	CMS	MEM	15V VERSION OF 10V 4735B GROUP	-	+15V	-	-	-	Z999	FAS	-
4736BDC	CMS	MEM	RAM, 1K=1024X1 BIT,3S, STATIC	DIL16C	+5V	85C	-	-	S010	FAS	-
4736BDM	CMS	MEM	RAM, 1K=1024X1 BIT,3S, STATIC	DIL16C	+5V	125	-	-	S010	FAS	4736BXDM
4736BFC	CMS	MEM	RAM, 1K=1024X1 BIT,3S, STATIC	FLP16	+5V	85C	-	-	S010	FAS	-
4736BFM	CMS	MEM	RAM, 1K=1024X1 BIT,3S, STATIC	FLP16	+5V	85C	-	-	S010	FAS	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
4736BPC	CMS	MEM	RAM, 1K=1024X1 BIT,3S, STATIC	DIL16P	+5V	85C	-	-	S010	FAS	-
4736BX GROUP	CMS	MEM	10V VERSION OF 5V 4736B GROUP	-	+10V	-	-	-	S010	FAS	-
4737BDC	CMS	DVD	COUNTER,7 STAGE,EL ORG OCT DVD	DIL14C	+15V	85C	-	-	Z999	FAS	-
4737BDM	CMS	DVD	COUNTER,7 STAGE,EL ORG OCT DVD	DIL14C	+15V	125	-	-	Z999	FAS	-
4737BFC	CMS	DVD	COUNTER,7 STAGE,EL ORG OCT DVD	FLP14	+15V	85C	-	-	Z999	FAS	-
4737BFM	CMS	DVD	COUNTER,7 STAGE,EL ORG OCT DIV	FLP14	+15V	85C	-	-	Z999	FAS	-
4737BPC	CMS	DVD	COUNTER,7 STAGE,EL ORG OCT DVD	DIL14P	+15V	85C	-	-	Z999	FAS	-
4741BDC	CMS	SWT	SWITCH, CROSS POINT, 4X4	DIL16C	+10V	85C	-	-	Z999	FAS	-
4741BDM	CMS	SWT	SWITCH, CROSS POINT, 4X4	DIL16C	+10V	125	-	-	Z999	FAS	-
4741BFC	CMS	SWT	SWITCH, CROSS POINT, 4X4	FLP16	+10V	85C	-	-	Z999	FAS	-
4741BFM	CMS	SWT	SWITCH, CROSS POINT, 4X4	FLP16	+10V	125	-	-	Z999	FAS	-
4741BPC	CMS	SWT	SWITCH, CROSS POINT, 4X4	DIL16P	+10V	85C	-	-	Z999	FAS	-
4900 SERIES	TTL	-	SIEMENS VERSN OF TL4900N SER.	DIL--P	+5V	70C	-	-	-	SIE	TL4900N SER
5400 SERIES	TTL	-	FAMILY TITLE FOR SN5400 SERIES	-	-	-	-	-	-	-	SN5400 SERIES
5400 SERIES	TTL	-	HOUSE CODES FOR DM5400N SERIES	DIL--P	-	70C	-	-	-	SIE	DM7400N SER
5400DM SERIES	TTL	-	HOUSE CODES FOR SN5400J SERIES	DIL--C	-	125	-	-	-	FAS	SN5400J SER
5400FM SERIES	TTL		HOUSE CODES FOR SN5400W SERIES	FLP---	-	125	-	-	-	FAS	SN5400FM SER
5400F SERIES	TTL	-	SHORT CODE FOR S5400F SERIES	DIL--C	+5V	125	-	-	-	SIG	SN5400J SER
5400W SERIES	TTL	-	SHORT CODE FOR S5400W SERIES	FLP---	+5V	125	-	-	-	SIG	SN5400W SER
5411FM	TTL	AND	AND, 3IP, TRIPLE	FLP14	+5V	125	24MA	27MXNS	A004	FAS	5411FM
5421DM	TTL	AND	AND, 4IP, DUAL	DIL14C	+5V	125	16MA	27MXNS	A005	FAS	-
5421FM	TTL	AND	AND, 4IP, DUAL	FLP14	+5V	125	16MA	27MXNS	A006	FAS	-
5426FM	TTL	NAN	NAND, 2IP, OC 15V OP, QUAD	FLP14	+5V	125	22MA	24MXNS	N001	FAS	-
5439DM	TTL	NAN	NAND, BUFFER, 2IP, OC OP, QUAD	DIL14C	+5V	125	54MA	22MXNS	N003	FAS	-
5439FM	TTL	NAN	NAND, BUFFER, 2IP, OC OP, QUAD	FLP14	+5V	125	54MA	22MXNS	N002	TII	-
5477DM	TTL	LCH	LATCH,FF/D,2BT,TRANSP,1OP,DUAL	DIL14C	+5V	125	46MA	40MXNS	L002	FAS	-
5489FM	TTL	MEM	RAM, 64=16X4 BIT, OC OP	FLP16	+5V	125	105MA	60MXNS	S001	FAS	-
5492APM	TTL	CTR	COUNTER, DUODECIMAL,2X6 DIVIDE	DIL14P	+5V	125	39MA	32MXMHZ	C002	FAS	SN5492AJ
6400 SERIES	TTL	-	FAMILY TITLE FOR SN6400 SERIES	-	-	-	-	-	-	-	SN6400 SERIES
7000 SERIES	TTL	-	GENERIC TITLE FOR DM7000 SER	-	+5V	125	-	-	-	NAT	DM7000 SERIES
7100 SERIES	TTL	VAR	GENERIC TITLE FOR DM7100 SER	-	+5V	125	-	-	-	NAT	DM7100 SERIES
7200 SERIES	TTL	-	GENERIC TITLE FOR DM7200 SER	-	+5V	125	-	-	-	NAT	DM7200 SERIES
7300 SERIES	TTL	VAR	GENERIC TITLE FOR DP7300 SER	-	+5V	125	-	-	-	NAT	DP7300 SERIES
7400 SERIES	TTL	-	HOUSE CODES FOR SN7400N SERIES	DIL--P	-	70C	-	-	-	SIE	SN7400N
7400 SERIES	TTL	-	FAMILY TITLE FOR SN7400 SERIES	-	-	-	-	-	-	-	SN7400 SERIES
7400	TTL	NAN	QUAD 2-INPUT NAND GATE	DIL14P	+5V	70C	22MA	22MXNS	N001	VAR	SN7400N
7400DC SERIES	TTL	-	HOUSE CODES FOR SN7400J SER	DIL--C	-	70C	-	-	-	FAS	SN7400J SER
7400F SERIES	TTL	-	SHORT CODE FOR N7400F SERIES	DIL--C	+5V	70C	-	-	-	SIG	SN7400J SER
7400FC	TTL	NAN	NAND, 2IP, QUAD	FLP14	+5V	70C	22MA	22MXNS	N002	FAS	DM5400W
7400FC SERIES	TTL	-	HOUSE CODES FOR SN7400W SERIES	FLP---	-	70C	-	-	-	FAS	SN7400W
7400N SERIES	TTL	-	SHORT CODE FOR N7400N SERIES	DIL--P	+5V	70C	-	-	-	SIG	SN7400N SER
7400N SERIES	TTL	-	FAMILY TITLE FOR SN7400N SER	DIL--P	-	-	-	-	-	-	SN7400N SER
7400N3 SERIES	TTL	-	GENERIC NOS FOR SN7400N3 SER	DIL--P	+5V	70C	-	-	-	TII	SN7400N3 SER
7400PC SERIES	TTL	-	HOUSE CODES FOR SN7400N SERIES	DIL--P	-	75C	-	-	-	FAS	SN7400N SER
7400W SERIES	TTL	-	SHORT CODE FOR N7400W SERIES	FLP---	+5V	70C	-	-	-	SIG	SN7400W SER
7401	TTL	NAN	QUAD 2-INPUT NAND GATE, OC OP	DIL14P	+5V	70C	22MA	45MXNS	N003	VAR	SN7401N
7401FC	TTL	NAN	NAND, 2IP, OC OP, QUAD	FLP14	+5V	70C	22MA	45MXNS	N002	FAS	SN74LS01W
7401A	TTL	NAN	QUAD 2-IP NAND GATE 15V OC O/P	DIL14P	+5V	70C	22MA	45MXNS	N003	VAR	SN7401AN
7402	TTL	NOR	QUAD 2-INPUT NOR GATE OC O/P	DIL14P	+5V	70C	27MA	15MXNS	Q001	VAR	SN7402N
7402FC	TTL	NOR	NOR, 2IP, QUAD	FLP14	+5V	70C	27MA	15MXNS	Q002	FAS	S54S02W
7403	TTL	NAN	QUAD 2-INPUT NAND GATE,O/C O/P	DIL14P	+5V	70C	22MA	45MXNS	N001	VAR	SN7403N
7403A	TTL	NAN	QUAD 2-IP NAND GATE,OC 15V O/P	DIL14P	+5V	70C	22MA	45MXNS	N001	VAR	SN7403AN
7403FC	TTL	NAN	NAND, 2IP, OC OP, QUAD	FLP14	+5V	70C	22MA	45MXNS	N001	FAS	S5403W
7404	TTL	INV	HEX INVERTER	DIL14P	+5V	70C	33MA	22MXNS	I001	VAR	SN7404N
7404FC	TTL	INV	INVERTER, HEX	FLP14	+5V	70C	33MA	22MXNS	I002	FAS	S5404W
7405	TTL	INV	HEX INVERTER, O/C O/P	DIL14P	+5V	70C	33MA	55MXNS	I001	VAR	SN7405N
7405A	TTL	INV	HEX INVERTER, 15V O/C O/P	DIL14P	+5V	70C	33MA	55MXNS	I001	VAR	SN7405AN
7405FC	TTL	INV	INVERTER, OC OP, HEX	FLP14	+5V	70C	33MA	55MXNS	I002	FAS	S5405W
7406	TTL	INV	HEX INVERTER BUFFER, 30V OC OP	DIL14P	+5V	70C	51MA	23MXNS	I001	VAR	SN7406N
7406FC	TTL	INV	INVERTER/DRIVER, OC 30V, HEX	FLP14	+5V	70C	51MA	23MXNS	I001	FAS	S5406W
7407	TTL	BUF	HEX BUFFER, 30V NON-INV O/C OP	DIL14P	+5V	70C	41MA	30MXNS	B001	VAR	SN7407N
7407FC	TTL	BUF	BUFFER, NON INV,OC 30V OP, HEX	FLP14	+5V	70C	41MA	30MXNS	B001	FAS	S5407W
7408	TTL	AND	QUAD 2-INPUT AND GATE	DIL14P	+5V	70C	33MA	27MXNS	A001	VAR	SN7408N
7409	TTL	AND	QUAD 2-INPUT AND GATE, O/C O/P	DIL14P	+5V	70C	-	-	A001	VAR	SN7409N
7409A	TTL	AND	QUAD 2-IP AND GATE,15V O/C O/P	DIL14P	+5V	70C	33MA	32MXNS	A001	VAR	SN7409AN
7409FC	TTL	AND	AND, 2IP, OC OP, QUAD	FLP14	+5V	70C	33MA	32MXNS	A001	FAS	S5409W
7410	TTL	NAN	TRIPLE 3-INPUT NAND GATE	DIL14P	+5V	70C	-	-	N004	VAR	SN7410N
7410FC	TTL	NAN	NAND, 3IP, TRIPLE	FLP14	+5V	70C	16MA	22MXNS	N005	FAS	S5410W
7411	TTL	AND	TRIPLE 3-INPUT AND GATE	DIL14P	+5V	70C	-	-	A003	VAR	SN7411N
7411FC	TTL	AND	AND, 3IP, TRIPLE	FLP14	+5V	70C	24MA	27MXNS	A004	FAS	S5410W
7412	TTL	NAN	TRIPLE 3-INPUT NAND GATE,OC OP	DIL14P	+5V	70C	-	-	N004	VAR	SN7412N
7412A	TTL	NAN	TRIPLE 3-IP NAND GATE,15V OC	DIL14P	+5V	70C	-	-	N004	VAR	SN7412AN
7412FC	TTL	NAN	NAND, 3IP, OC OP, TRIPLE	FLP14	+5V	70C	17MA	45MXNS	N004	FAS	S5412W
7413FC	TTL	NAN	NAND, 4IP, SCHMITT, DUAL	FLP14	+5V	70C	32MA	27MXNS	N007	FAS	S5413W
7413	TTL	NAN	DUAL 4-INPUT NAND GATE,SCHMITT	DIL14P	+5V	70C	-	-	N007	VAR	SN7413N

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
7414	TTL	INV	HEX INVERTER, SCHMITT	DIL14P	+5V	70C	-	-	I004	VAR	SN7414N
7415	TTL	AND	TRIPLE 3-IP AND GATE O/C O/P	DIL14P	+5V	70C	-	-	A003	VAR	-
7416	TTL	INV	HEX INVERTER/BUFFER 15V OC O/P	DIL14P	+5V	70C	-	-	I001	VAR	SN7416N
7416FC	TTL	INV	INVERTER/BUFFER,OC 15V OP, HEX	FLP14	+5V	70C	51MA	23MXNS	I001	FAS	S5416W
7417	TTL	BUF	HEX BUFFER, 15V O/C NON-INV OP	DIL14P	+5V	70C	-	-	B001	VAR	SN7417N
7417FC	TTL	BUF	BUFFER, NON INV,OC 15V OP, HEX	FLP14	+5V	70C	41MA	30MXNS	B001	FAS	S5417W
7419	TTL	OSC	OSCILLATOR 2 TO PWR 22 DIVIDER	-	+5V	70C	-	-	Z999	SSS	-
7420	TTL	NAN	DUAL 4-INPUT NAND GATE	DIL14P	+5V	70C	-	-	N008	VAR	SN7420N
7420FC	TTL	NAN	NAND, 4IP, DUAL	FLP14P	+5V	70C	11MA	22MXNS	N009	FAS	S5420W
7421	TTL	AND	DUAL 4-INPUT AND GATE	DIL14P	+5V	70C	-	-	A005	VAR	7421PC
7421DC	TTL	AND	AND, 4IP, DUAL	DIL14C	+5V	70C	16MA	27MXNS	A005	FAS	N7421F
7421FC	TTL	AND	AND, 4IP, DUAL	FLP14	+5V	70C	16MA	27MXNS	A005	FAS	S5421W
7421PC	TTL	AND	AND, 4IP, DUAL	DIL14P	+5V	70C	16MA	27MXNS	A005	FAS	N7421N
7422	TTL	NAN	DUAL 4-INPUT NAND GATE,O/C O/P	DIL14P	+5V	70C	-	-	N008	VAR	SN7422N
7422A	TTL	NAN	DUAL 4-INPUT NAND 15V O/C O/P	DIL14P	+5V	70C	-	-	N008	VAR	SN7422AN
7422FC	TTL	NAN	NAND, 4IP, OC OP, DUAL	FLP14	+5V	70C	11MA	45MXNS	N008	FAS	-
7423	TTL	NOR	DUAL 4-INPUT NOR GATE, STROBE	DIL16P	+5V	70C	-	-	Q003	VAR	SN7423N
7425	TTL	DVR	DUAL 4-INPUT NOR GATE, STROBE	DIL14P	+5V	70C	-	-	Q004	VAR	SN7425N
7426	TTL	NAN	QUAD 2-INPUT NAND GATE,15V O/C	DIL14P	+5V	70C	-	-	N001	VAR	SN7426N
7426FC	TTL	NAN	NAND, 2IP, OC 15V OP QUAD	FLP14	+5V	70C	22MA	24MXNS	N001	FAS	7426FC
7427	TTL	NOR	TRIPLE 3-INPUT NOR GATE	DIL14P	+5V	70C	-	-	Q005	VAR	SN7427N
7428	TTL	BUF	QUAD 2-INPUT NOR BUFFER	DIL14P	+5V	70C	-	-	Q001	VAR	SN7428N
7430	TTL	NAN	8-INPUT NAND GATE	DIL14P	+5V	70C	-	-	N010	VAR	SN7430N
7430FC	TTL	NAN	NAND, 8IP	FLP14	+5V	70C	6MA	22MXNS	N011	FAS	S5428W
7432	TTL	ORG	QUAD 2-INPUT OR GATE	DIL14P	+5V	70C	-	-	O001	VAR	SN7432N
7432FC	TTL	ORG	OR, 2IP, QUAD	FLP14	+5V	70C	38MA	22MXNS	O001	FAS	S5432W
7433	TTL	BUF	QUAD 2-INPUT NOR BUFFER,O/C OP	DIL14P	+5V	70C	-	-	Q001	VAR	SN7433AN
7433A	TTL	BUF	QUAD 2-IP NOR BUFFER,15V OC OP	DIL14P	+5V	70C	-	-	Q001	VAR	SN7433AN
7437	TTL	BUF	QUAD 2-INPUT NAND BUFFER	DIL14P	+5V	70C	-	-	N001	VAR	SN7437N
7438	TTL	BUF	QUAD 2-INPUT NAND BUFFER,OC OP	DIL14P	+5V	70C	-	-	N001	VAR	SN7438N
7438A	TTL	BUF	QUAD 2-IP NAND BUFFER,15V O/C	DIL14P	+5V	70C	-	-	N001	VAR	SN7438AN
7439	TTL	BUF	QUAD 2-IP NAND BUFFER, OC OP	DIL14P	+5V	70C	-	-	N003	VAR	7439PC
7439DC	TTL	NAN	NAND, BUFFER, 2IP, OC OP, QUAD	DIL14C	+5V	70C	54MA	22MXNS	N003	FAS	N7439F
7439FC	TTL	NAN	NAND, BUFFER, 2IP, OC OP, QUAD	FLP14	+5V	70C	54MA	22MXNS	N002	FAS	-
7439PC	TTL	NAN	NAND, BUFFER, 2IP, OC OP, QUAD	DIL14P	+5V	70C	54MA	22MXNS	N003	FAS	N7439N
7440	TTL	BUF	DUAL 4-INPUT NAND BUFFER	DIL14P	+5V	70C	-	-	N008	VAR	SN7440N
7440FC	TTL	NAN	NAND, BUFFER, 4IP, DUAL	FLP14	+5V	70C	27MA	22MXNS	N009	FAS	S5440W
7441	TTL	DSP	1-OF-10 DECODER/DRVR NIXIE 55V	DIL16P	+5V	70C	-	-	D008	VAR	SN7441AN
7441A	TTL	DSP	1-OF-10 DECODER/DRVR NIXIE 70V	DIL16	+5V	70C	-	-	D008	VAR	DM7441AN
7442	TTL	DCD	BCD-DECIMAL DECODER 4-10 LINE	DIL16P	+5V	70C	-	-	D001	VAR	DM7442N
7442A	TTL	DCD	BCD-DECIMAL DECODER 4-10 LINE	DIL16P	+5V	70C	-	-	D001	VAR	SN7442AN
7442AFC	TTL	DCD	DECODER, BCD-DECIMAL,4-10 LINE	FLP16	+5V	70C	56MA	30MXNS	D001	FAS	-
7443	TTL	DCD	EXCESS-3 DECIMAL DECODER	DIL16P	+5V	70C	-	-	D001	VAR	N7443N
7443A	TTL	DCD	EXCESS-3 DECIMAL DECODER 30V	DIL16P	+5V	70C	-	-	D001	VAR	SN7443AN
7443AFC	TTL	DCD	DECODER, EXC.3-DECIMAL,4-10 LN	FLP16	+5V	70C	56MA	30MXNS	D001	FAS	-
7444	TTL	DCD	EXCESS-3-GRAY-DECIMAL DECODER	DIL16P	+5V	70C	-	-	D001	VAR	N7444B
7444A	TTL	DCD	EXCESS-3-GRAY-DECIMAL DCDR 15V	DIL16P	+5V	70C	-	-	D001	VAR	SN7444AN
7444AFC	TTL	DCD	DECODER,EXC.3 GRAY-DEC,4-10 LN	FLP16	+5V	70C	56MA	30MXNS	D001	FAS	-
7445	TTL	DCD	BCD-DECIMAL DECODER, 30V OC OP	DIL16P	+5V	70C	-	-	D001	VAR	SN7445N
7446	TTL	DCD	BCD-7 SEGMENT DECODER O/C O/P	DIL16P	+5V	70C	-	-	D011	VAR	SN7446AN
7446A	TTL	DCD	BCD-7 SEGMENT DECODER, 30V O/C	DIL16P	+5V	70C	-	-	D011	VAR	SN7446AN
7447	TTL	DCD	BCD-7 SEGMENT DECODER O/C O/P	DIL16P	+5V	70C	-	-	D011	VAR	SN7447N
7447A	TTL	DCD	BCD-7 SEGMENT DECODER, 15V O/C	DIL16P	+5V	70C	-	-	D011	VAR	SN7447AN
7448	TTL	DCD	BCD-7 SEGMENT DECODER	DIL16P	+5V	70C	-	-	D011	VAR	SN7448N
7449	TTL	DCD	BCD-7 SEGMENT DECODER, O/C O/P	DIL16P	+5V	70C	-	-	D004	VAR	SN7449N
7449FC	TTL	DSP	DECODER,BCD-7SGT,OC, ACT HI	FLP16	+5V	70C	56MA	100MXNS	D004	FAS	-
7450	TTL	AOI	DUAL 2-WIDE 2-INPUT AOI GATES	DIL14P	+5V	70C	-	-	Y001	VAR	SN7450N
7450FC	TTL	AOI	AOI, 2IP(1EXPDBLE) 2WIDE, DUAL	FLP14	+5V	70C	14MA	22MXNS	Y002	FAS	S5450W
7451	TTL	AOI	DUAL 2-WIDE 2-INPUT AOI GATES	DIL14P	+5V	70C	-	-	Y003	VAR	SN7451N
7451FC	TTL	AOI	AOI, 2IP, 2WIDE, DUAL	FLP14	+5V	70C	14MA	15MXNS	Y005	FAS	-
7453	TTL	AOI	4-WIDE 2-INPUT AOI GATES	DIL14P	+5V	70C	-	-	Y008	VAR	SN7453N
7453FC	TTL	AOI	AND/OR INVERT,2-2-2-3IP,EXPDBL	FLP14	+5V	70C	9.5MA	22MXNS	Y010	FAS	-
7454	TTL	AOI	4-WIDE 2-INPUT AOI GATE	DIL14P	+5V	70C	-	-	Y013	VAR	SN7454N
7454FC	TTL	AOI	AND/OR INVERT,2-2-2-3IP	FLP14	+5V	70C	9.5MA	22MXNS	Y016	FAS	-
7455	TTL	AOI	2 WIDE 2IP EXPANDABLE AOI GATE	DIL14P	+5V	70C	-	-	Y017	VAR	SN74LS55N
7460	TTL	EXP	DUAL 4-INPUT EXPANDER O/C O/P	DIL14P	+5V	70C	-	-	E001	VAR	SN7460N
7460FC	TTL	EXP	EXPANDER, 4IP,OC,FOR AOI, DUAL	FLP14	+5V	70C	4MA	30MXNS	E002	FAS	S5460W
7464	TTL	AOI	4-2-3-2 INPUT AOI GATE	DIL14P	+5V	70C	-	-	Y020	VAR	SN74S64N
7465	TTL	AOI	4-2-3-2 INPUT AOI GATE O/C O/P	DIL14P	+5V	70C	-	-	Y020	VAR	SN7465N
7470	TTL	FFJ	JK FLIP-FLOP AND-IP PRESET+CLR	DIL14P	+5V	70C	-	-	F001	VAR	SN7470N
7472	TTL	FFJ	JK FLIP-FLOP, AND-IPS SET+CLR	DIL14P	+5V	70C	-	-	F005	VAR	SN7472N
7473	TTL	FFJ	DUAL JK FLIP FLOP	DIL14P	+5V	70C	-	-	F007	VAR	SN7473N
7473FC	TTL	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	FLP14	+5V	70C	40MA	15MXMHZ	F007	FAS	S5473W
7474	TTL	FFD	DUAL D-TYPE FLIP-FLOP	DIL14P	+5V	70C	-	-	F008	VAR	SN7474N
7474FC	TTL	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	FLP14	+5V	70C	30MA	10MXMHZ	F009	FAS	S5474W

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
7475	TTL	LCH	QUAD LATCH, BISTABLE	DIL16P	+5V	70C	-	-	L001	VAR	SN7475N
7475FC	TTL	LCH	LATCH,FF/D,2BT,TRANSP,2OP,DUAL	FLP16	+5V	70C	53MA	40MXNS	L001	FAS	S5475W
7476	TTL	FFJ	DUAL JK FLIP FLOP	DIL16P	+5V	70C	-	-	F010	VAR	SN7476N
7476FC	TTL	FFJ	FF/JK, M-S, SEP S/R/CK, DUAL	FLP16	+5V	70C	40MA	15MXMHZ	F010	FAS	S5476W
7477	TTL	LCH	4-BIT BISTABLE LATCH	FLP14	+5V	70C	-	-	L002	VAR	7477PC
7477DC	TTL	LCH	LATCH,FF/D,2BT,TRANSP,1OP,DUAL	DIL14C	+5V	70C	53MA	40MXNS	L002	FAS	-
7477FC	TTL	LCH	LATCH,FF/D,2BT,TRANSP,1OP,DUAL	FLP14	+5V	70C	53MA	40MXNS	L002	FAS	S5477W
7477PC	TTL	LCH	LATCH,FF/D,2BT,TRANSP,1OP,DUAL	DIL14P	+5V	70C	53MA	40MXNS	L002	FAS	-
7480	TTL	ADD	GATED FULL ADDER	DIL14P	+5V	70C	-	-	Z001	VAR	SN7480N
7480FC	TTL	ADD	ADDER, FULL,1 BIT,BINARY,GATED	FLP14	+5V	70C	35MA	80MXNS	Z002	FAS	S5480W
7481	TTL	MEM	16-BIT RANDOM ACCESS MEMORY	DIL14P	+5V	70C	-	-	S002	VAR	SN7481AN
7481A	TTL	MEM	16-BIT RANDOM ACCESS MEMORY	DIL14P	+5V	70C	-	-	S002	VAR	SN7481AN
7482	TTL	ADD	2-BIT BINARY FULL ADDER	DIL14P	+5V	70C	-	-	Z003	VAR	SN7482N
7482FC	TTL	ADD	ADDER, FULL, 2 BIT BINARY	FLP14	+5V	70C	58MA	42MXNS	Z003	FAS	7482FC
7483	TTL	ADD	4-BIT BINARY FULL ADDER	DIL16P	+5V	70C	-	-	Z004	VAR	DM7483N
7483A	TTL	ADD	4-BIT BINARY FULL ADDER	DIL16P	+5V	70C	-	-	Z004	VAR	SN7483AN
7483AFC	TTL	ADD	ADDER,FULL,4BT BINARY,FST CRRY	FLP16	+5V	70C	110MA	24MXNS	Z004	FAS	S54LS83AW
7484	TTL	MEM	16-BIT RANDOM ACCESS MEMORY	DIL16P	+5V	70C	-	-	S003	VAR	MC7484P
7484A	TTL	MEM	16-BIT RANDOM ACCESS MEMORY	DIL16P	+5V	70C	-		S003	VAR	SN7484AN
7485	TTL	CMP	4-BIT COMPARATOR	DIL16P	+5V	70C	-	-	Z005	VAR	SN7485N
7485FC	TTL	CMP	COMPARATOR, MAGNITUDE, 4 BIT	FLP16	+5V	70C	88MA	35MXNS	Z005	FAS	S5485W
7486	TTL	XOR	QUAD EXCLUSIVE OR-GATE	DIL14P	+5V	70C	-	-	X001	VAR	SN7486N
7489	TTL	MEM	64-BIT RANDOM ACCESS MEMORY	DIL16P	+5V	70C	-	-	S001	VAR	SN7489N
7489FC	TTL	MEM	RAM, 64=16X8 BIT, OC OP	FLP16	+5V	70C	105MA	60MXNS	S001	FAS	-
7490	TTL	CTR	DECADE COUNTER	DIL14P	+5V	70C	-	-	C001	VAR	SN7490N
7490A	TTL	CTR	DECADE COUNTER	DIL14P	+5V	70C	-	-	C001	VAR	SN7490AN
7490AFC	TTL	CTR	COUNTER, DECADE,2X5 DIV,RIPPLE	FLP14	+5V	70C	42MA	32MXMHZ	C001	FAS	-
7491	TTL	SRG	8-BIT SHIFT REGISTER, SISO	DIL14P	+5V	70C	-	-	R001	VAR	DM7491N
7491A	TTL	SRG	8-BIT SHIFT REGISTER, SISO	DIL14P	+5V	70C	-	-	R001	VAR	SN7491AN
7491AFC	TTL	SRG	SHIFT REG, 8BT,SISO,GATED IP	FLP14	+5V	70C	58MA	18TPMHZ	R001	FAS	S5491AW
7492	TTL	CTR	DIVIDE BY 12 COUNTER	DIL14P	+5V	70C	-	-	C002	VAR	SN7492N
7492A	TTL	CTR	DIVIDE BY 12 COUNTER	DIL14P	+5V	70C	-	-	C002	VAR	SN7492AN
7492AFC	TTL	CTR	COUNTER, DUODECIMAL,2X6 DIVIDE	FLP14	+5V	70C	39MA	32MXMHZ	C002	FAS	-
7493	TTL	CTR	4-BIT BINARY COUNTER	DIL14P	+5V	70C	-	-	C003	VAR	SN7493N
7493A	TTL	CTR	4-BIT BINARY COUNTER	DIL14P	+5V	70C	-	-	C003	VAR	SN7493AN
7494	TTL	SRG	4-BIT SHIFT REGISTER, PISO	DIL16P	+5V	70C	-	-	R003	VAR	SN7494N
7494FC	TTL	SRG	SHIFT REG, 4 BIT, 2 SET, PISO	FLP16	+5V	70C	58MA	10MXMHZ	R003	FAS	S5494W
7495	TTL	SRG	4-BIT SHIFT REGISTER, PIPO	DIL14P	+5V	70C	-	-	R004	VAR	SN7495N
7495A	TTL	SRG	4-BIT SHIFT REGISTER, PIPO	DIL14P	+5V	70C	-	-	R004	VAR	7495APC
7495ADC	TTL	SRG	SHIFT REG,4BIT,L/R SHIFT, PIPO	DIL14C	+5V	70C	63MA	25MXMHZ	R004	FAS	N7495AF
7495AFC	TTL	SRG	SHIFT REG,4BIT,L/R SHIFT, PIPO	FLP14	+5V	70C	63MA	25MXMHZ	R004	FAS	S5495AW
7495APC	TTL	SRG	SHIFT REG,4BIT,L/R SHIFT, PIPO	DIL14P	+5V	70C	63MA	25MXMHZ	R004	FAS	N7495AN
7496	TTL	SRG	5-BIT SHIFT REGISTER, PIPO	DIL16P	+5V	70C	-	-	R005	VAR	SN7496N
7497	TTL	MLT	6-BIT BINARY RATE MULTIPLIER	DIL16P	+5V	70C	-	-	Z007	VAR	SN7497N
7497FC	TTL	MLT	MULTIPLIER, RATE,BINARY, 6 BIT	FLP16	+5V	70C	120MA	25MXMHZ	Z007	FAS	7497FC
7499	TTL	SRG	4 BIT SHIFT REGISTER	DIL16P	+5V	70C	-	-	R036	VAR	SN7499N
7500 SERIES	TTL	VAR	GENERIC TITLE FOR DM7500 SER	-	+5V	125	-	-	-	NAT	DM7500 SERIES
7600 SERIES	TTL	-	GENERIC TITLE FOR DM7600 SER	-	+5V	125	-	-	-	NAT	DM7600 SERIES
7700 SERIES	TTL	-	GENERIC TITLE FOR DM7700 SER	-	+5V	125	-	-	-	NAT	DM7700 SERIES
7800 SERIES	TTL	VAR	GENERIC TITLE FOR DS7800 SER	-	+5V	-	-	-	-	NAT	DS7800 SERIES
8000 SERIES	TTL	VAR	GENERIC TITLE FOR DM8000 SER	-	+5V	70C	-	-	-	NAT	DM8000 SERIES
8100 SERIES	TTL	VAR	GENERIC TITLE FOR DM8100 SER	-	+5V	70C	-	-	-	NAT	DM8100 SERIES
8200 SERIES	TTL	VAR	GENERIC TITLE FOR DM8200 SER	-	+5V	70C	-	-	-	NAT	DM8200 SERIES
8200 SERIES	TTL	VAR	GENERIC NOS FOR N/S8200 SERIES	-	+5V	-	-	-	-	SIG	N/S8200 SER
		PRE	FIX: N=75C, S=125C SUFFIX: F	,D=DIC	I,N	B	=DIP,	Q,W=FLP			
8200	TTL	BUF	BUFFER, REGISTER, 5 BIT, DUAL	24LEAD	+5V	VAR	110MA	15MXMHZ	Z999	SIG	-
8201	TTL	BUF	BUFFER, REG, 5BT,D-COMP, DUAL	24LEAD	+5V	VAR	110MA	15MXMHZ	Z999	SIG	-
8202	TTL	BUF	BUFFER, REGISTER, 10 BIT	24LEAD	+5V	VAR	110MA	15MXMHZ	Z999	SIG	-
8203	TTL	BUF	BUFFER, REG, 10 BIT, D-COMPLT	24LEAD	+5V	VAR	110MA	15MXMHZ	Z999	SIG	-
8204	TTL	MEM	ROM, 256X8 BIT	24LEAD	+5V	VAR	170MA	75MXNS	Z999	SIG	-
8205	TTL	MEM	ROM, 512X8 BIT	24LEAD	+5V	VAR	170MA	75MXNS	Z999	SIG	-
8206	TTL	MEM	RAM, 256X1 BIT, 3S	16LEAD	+5V	VAR	115MA	65MXNS	S009	SIG	74S200A
8207	TTL	MEM	RAM, 256X1 BIT, OC	16LEAD	+5V	VAR	115MA	65MXNS	S009	SIG	74S300A
8212	TTL	MEM	SAM, 8X4 BIT,OC OP	24LEAD	+5V	VAR	160MA	30MXNS	Z999	SIG	-
8216	TTL	MEM	RAM, 256X1 BIT, 3S	16LEAD	+5V	VAR	115MA	50MXNS	S009	SIG	74200A
8217	TTL	MEM	RAM, 256X1 BIT, OC	16LEAD	+5V	VAR	115MA	50MXNS	Z999	SIG	74300A
8230	TTL	MUX	MULTIPLEXER, 8 IP, DIGITAL	16LEAD	+5V	VAR	48MA	30MXNS	M014	SIG	-
8231	TTL	MUX	MULTIPLEXER, 8 IP, DIGITAL	16LEAD	+5V	VAR	48MA	30MXNS	M014	SIG	-
8232	TTL	MUX	MULTIPLEXER, 8 IP, DIGITAL	16LEAD	+5V	VAR	50MA	30MXNS	M014	SIG	-
8233	TTL	MUX	MULTIPLEXER, 2IP,4 BIT,DIGITAL	16LEAD	+5V	VAR	48MA	38MXNS	Z999	SIG	-
8234	TTL	MUX	MULTIPLEXER, 2IP,4 BIT,DIGITAL	16LEAD	+5V	VAR	40MA	38MXNS	Z999	SIG	-
8235	TTL	MUX	MULTIPLEXER, 2IP,4 BIT,DIGITAL	16LEAD	+5V	VAR	59MA	38MXNS	Z999	SIG	-
8241	TTL	XOR	EXCLUSIVE-OR, QUAD	14LEAD	+5V	VAR	57MA	23MXNS	Z999	SIG	-
8242	TTL	XNR	EXCLUSIVE-NOR, QUADRUPLE, 4BT	14LEAD	+5V	VAR	48MA	28MXNS	Z999	SIG	-
8243	TTL	XXX	SCALER, POSITION, 8 BIT	24LEAD	+5V	VAR	75MA	45MXNS	Z999	SIG	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
8250	TTL	DCD	DECODER, BINARY-TO-OCTAL	14LEAD	+5V	VAR	24MA	35MXNS	Z999	SIG	-
8251	TTL	DCD	DECODER, BCD-DECIMAL	16LEAD	+5V	VAR	26MA	35MXNS	Z999	SIG	-
8252	TTL	DCD	DECODER, BCD-DECIMAL	16LEAD	+5V	VAR	26MA	35MXNS	Z999	SIG	-
8262	TTL	PAR	PARITY GEN/CHECKER, 8(9) BIT	14LEAD	+5V	VAR	70MA	55MXNS	Z056	SIG	-
8263	TTL	MUX	MULTIPLEXER, 3IP,4 BIT DIGITAL	24LEAD	+5V	VAR	90MA	36MXNS	Z999	SIG	-
8264	TTL	MUX	MULTIPLEXER, 3IP,4 BIT,DIGITAL	24LEAD	+5V	VAR	90MA	36MXNS	Z999	SIG	-
8266	TTL	MUX	MULTIPLEXER, 2IP,4 BIT,DIGITAL	16LEAD	+5V	VAR	69MA	30MXNS	Z999	SIG	-
8267	TTL	MUX	MULTIPLEXER, 2IP,4 BIT,DIGITAL	16LEAD	+5V	VAR	69MA	36MXNS	Z999	SIG	-
8268	TTL	ADD	ADDER, FULL,1BIT, GATED	14LEAD	+5V	VAR	-	-	Z001	ADM	54/7480
8269	TTL	CMP	COMPARATOR, 4 BIT	14LEAD	+5V	VAR	53MA	40MXNS	Z999	SIG	DM8200
8270	TTL	SRG	SHIFT REGISTER, 4 BIT, HI SPD	14LEAD	+5V	VAR	47MA	15MXMHZ	Z999	SIG	-
8271	TTL	SRG	SHIFT REGISTER, 4 BIT, HI SPD	16LEAD	+5V	VAR	65MA	15MXMHZ	Z999	SIG	-
8273	TTL	SRG	SHIFT REG, 10 BIT, SIPO	16LEAD	+5V	VAR	103MA	25MXMHZ			-
8274	TTL	SRG	SHIFT REG, 10 BIT, PISO	16LEAD	+5V	VAR	108MA	25MXMHZ	Z999	SIG	-
8275	TTL	LCH	LATCH, BISTABLE, QUAD	16LEAD	+5V	VAR	50MA	-	Z999	SIG	-
8276	TTL	SRG	SHIFT REGISTER, 8 BIT, SERIAL	16LEAD	+5V	VAR	-	-	Z999	SIG	-
8277	TTL	SRG	SHIFT REGISTER, 8 BIT, DUAL	16LEAD	+5V	VAR	103MA	40MXNS	Z999	SIG	-
8280	TTL	CTR	COUNTER, DECADE, PRSETTABLE	14LEAD	+5V	VAR	45MA	50MXNS	Z999	SIG	74LS176
8281	TTL	CTR	COUNTER, BINARY, PRESETTABLE	14LEAD	+5V	VAR	45MA	75MXNS	Z999	SIG	74LS197
8282	TTL	ALU	ARITHMETIC UNIT, 4 BIT BCD	24LEAD	+5V	VAR	120MA	50MXNS	Z999	SIG	-
8283	TTL	ADD	ADDER, 4 BIT BCD	16LEAD	+5V	VAR	114MA	40MXNS	Z999	SIG	-
8284	TTL	CTR	COUNTER, BINARY,4 BIT, UP/DOWN	14LEAD	+5V	VAR	80MA	20MXMHZ	Z999	SIG	-
8285	TTL	CTR	COUNTER, DECADE,UP/DOWN	14LEAD	+5V	VAR	80MA	20MXMHZ	Z999	SIG	-
8288	TTL	CTR	COUNTER, DIVIDE-BY-12,STORAGE	14LEAD	+5V	VAR	45MA	20MXMHZ	Z999	SIG	-
8290	TTL	CTR	COUNTER, DECADE,HI SPD,PRESETT	14LEAD	+5V	VAR	49MA	60MXNS	Z999	SIG	74LS196
8291	TTL	CTR	COUNTER, BINARY,HI SPD,PRESETT	14LEAD	+5V	VAR	49MA	60MXNS	Z999	SIG	74LS197
8292	TTL	CTR	COUNTER, DECADE,LO PWR,PRESETT	14LEAD	+5V	VAR	13MA	5MXMHZ	Z999	SIG	74LS196
8293	TTL	CTR	COUNTER, BINARY,LO PWR,PRESETT	14LEAD	+5V	VAR	13MA	5MXMHZ	Z999	SIG	74LS197
8300 SERIES	TTL	VAR	GENERIC TITLE FOR DP8300 SER.	-	+5V	70C	-	-	-	NAT	DP8300 SERIES
8400 SERIES	TTL	-	FAMILY TITLE FOR SN8400 SERIES	-	-	-	-	-	-	-	SN8400 SERIES
8500 SERIES	TTL	VAR	GENERIC TITLE FOR DM8500 SER	-	+5V	70C	-	-	-	NAT	DM8500 SERIES
8600 SERIES	TTL	-	GENERIC TITLE FOR DM8600 SER	-	+5V	70C	-	-	-	NAT	-
8700 SERIES	TTL	VAR	GENERIC TITLE FOR DM8700 SER	-	+5V	70C	-	-	-	NAT	DM8700 SERIES
8800 SERIES	TTL	VAR	GENERIC TITLE FOR DS8800 SER	-	+5V	70C	-	-	-	NAT	DS8800 SERIES
9000 SERIES	TTL	-	FAIRCHILD HOUSE CODE TTL SER	-	+5V	VAR	-	-	-	FAS	-
9000DC SERIES	TTL	-	CER DIL 75C VRSN OF 9000 SER	DIL--C	+5V	75C	-	-	-	FAS	-
9000DM SERIES	TTL	-	CER DIL 125C VRSN OF 9000 SER.	DIL--C	+5V	125	-	-	-	FAS	-
9000FC SERIES	TTL	-	FLAT PK 75C VERSN OF 9000 SER.	FLP---	+5V	75C	-	-	-	FAS	-
9000FM SERIES	TTL	-	FLAT PK 125C VRSN OF 9000 SER.	FLP---	+5V	125	-	-	-	FAS	-
9000	TTL	FFJ	FF/JK, MASTER SLAVE, SINGLE	14LEAD	+5V	VAR	28MA	20TPMHZ	F032	FAS	74104
9001	TTL	FFJ	FF/JK, MASTER SLAVE, SINGLE	14LEAD	+5V	VAR	33MA	50TPMHZ	F033	FAS	74105
9002	TTL	NAN	NAND, 2IP, QUAD	14LEAD	+5V	VAR	5.5MA	12MXNS	N001	FAS	7400
9003	TTL	NAN	NAND, 3IP, TRIPLE	14LEAD	+5V	VAR	5.5MA	12MXNS	N004	FAS	7410
9004	TTL	NAN	NAND, 4IP, DUAL	14LEAD	+5V	VAR	5.5MA	12MXNS	N008	FAS	7420
9005	TTL	EXP	EXPANDER, AOI, 2X2, DUAL	14LEAD	+5V	VAR	7.7MA	14MXNS	Y022	FAS	7450
9006	TTL	EXP	EXPANDER, 4IP, DUAL	14LEAD	+5V	VAR	5.9MA	4MXNS	E007	FAS	7460
9007	TTL	NAN	NAND, 8IP	14LEAD	+5V	VAR	5.5MA	12MXNS	N014	FAS	-
9008	TTL	AOI	AOI, 2-2-2-3 IP,EXPANDABLE	14LEAD	+5V	VAR	18MA	15MXNS	Y021	FAS	-
9009	TTL	NAN	NAND, 4IP, DUAL	14LEAD	+5V	VAR	100MW	10TPNS	N008	FAS	54/7440
9012	TTL	NAN	NAND, 2IP, OC OP, QUAD	14LEAD	+5V	VAR	5.5MA	45MXNS	N001	FAS	7403
9014	TTL	XOR	EXCLUSIVE OR/NOR, 2 IP, QUAD	16LEAD	+5V	VAR	35MA	28MXNS	X004	FAS	-
9015	TTL	NOR	NOR, 2-2-2-4 IP, QUAD	16LEAD	+5V	VAR	27MA	15MXNS	Q007	FAS	-
9014	TIL	XOR	EXCLUSIVE OR/NOR, 2 IP, QUAD	16LEAD	+5V	VAR	35MA	28MXNS	X004	FAS	-
9015	TTL	NOR	NOR, 2-2-2-4 IP, QUAD	16LEAD	+5V	VAR	27MA	15MXNS	Q007	FAS	-
9016	TTL	INV	INVERTER, HEX	14LEAD	+5V	VAR	5.5MA	12MXNS	I001	FAS	7404
9017	TTL	INV	INVERTER, OC, HEX	14LEAD	+5V	VAR	5.5MA	45MXNS	I001	FAS	7405
9020	TTL	FFJ	FF/JK, MASTER SLAVE, DUAL	16LEAD	+5V	VAR	60MA	50TPMHZ	F034	FAS	-
9022	TTL	FFJ	FF/JK, MASTER SLAVE, S+R, DUAL	16LEAD	+5V	VAR	60MA	50TPMHZ	F035	FAS	-
9024	TTL	FFJ	FF/JK, +ET, S+R, DUAL	16LEAD	+5V	VAR	14MA	33MXNS	F021	FAS	74109
9033	TTL	MEM	RAM, 16=4X4 BIT, OC OP	14LEAD	+5V	VAR	60MA	30MXNS	S002	FAS	93433
9034	TTL	MEM	ROM, 256=32X8 BIT, OC OP	16LEAD	+5V	VAR	80MA	35MXNS	S004	FAS	93434
9035	TTL	MEM	RAM, 64=16X4 BIT, OC OP	16LEAD	+5V	VAR	120MA	35MXNS	S001	FAS	93435
9090 SERIES	DTL	-	PART 930/1800/9090/9100 DTL SR	14LEAD	+5V	VAR	-	-	-	FAS	-
9093	DTL	FFJ	FF/JK, DUAL	14LEAD	+5V	VAR	-	-	F044	FAS	-
9094	DTL	FFJ	FF/JK, DUAL	14LEAD	+5V	VAR	-	-	F044	FAS	-
9097	DTL	FFJ	FF/JK, DUAL	14LEAD	+5V	VAR	-	-	F042	FAS	-
9099	DTL	FFJ	FF/JK, DUAL	14LEAD	+5V	VAR	-	-	F042	FAS	-
9100 SERIES	DTL	-	PART 930/1800/9090/9100 DTL SR	14LEAD	+5V	VAR	-	-	-	FAS	-
9109	DTL	INV	INVERTER, HI LEVEL, HEX	14LEAD	+5V	VAR	-	-	I001	FAS	-
9110	DTL	INV	INVERTER, HI LEVEL, HEX	14LEAD	+5V	VAR	-	-	I001	FAS	-
9111	DTL	FFR	FF/RS	14LEAD	+5V	VAR	-	-	F043	FAS	-
9112	DTL	INV	INVERTER, HI LEVEL, HEX	14LEAD	+5V	VAR	-	-	I001	FAS	-
9135	DTL	INV	INVERTER, OC OP, HEX	14LEAD	+5V	VAR	-	-	I001	FAS	-
9157	DTL	NAN	NAND, BUFFER, 2IP, QUAD,(=957)	14LEAD	+5V	VAR	250MW	35TPNS	N018	FAS	-
9158	DTL	NAN	NAND, POWER, 2IP, QUAD (=958)	14LEAD	+5V	VAR	200MW	30TPNS	N018	FAS	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
9159 (959)	RTL	LCH	LATCH, 4 BIT	DIL16C	+3.5V	125	-	-	-	FAS	-
9300 SERIES	TTL	-	FAIRCHILD PROPRIETARY TTL SER.	-	+5V	VAR	-	-	-	FAS	-
9300DC SERIES	TTL	-	CER DIL 75C VRSN OF 9300 SER.	DIL--C	+5V	75C	-	-	-	FAS	-
9300DM SERIES	TTL	-	CER DIL 125C VRSN OF 9300 SER.	DIL--C	+5V	125	-	-	-	FAS	-
9300FM SERIES	TTL	-	FLAT PK 125C VRSN OF 9300 SER.	FLP---	+5V	125	-	-	-	FAS	-
9300PC SERIES	TTL	-	PLAS DIL 75C VRSN OF 9300 SER.	DIL--P	+5V	75C	-	-	-	FAS	-
9300	TTL	SRG	SHIFT REGISTER, 4BIT, L/R	16LEAD	+5V	VAR	92MA	30MXMHZ	R014	FAS	54/74195
9301	TTL	DCD	DECODER, 1-OF-10	16LEAD	+5V	VAR	44MA	35MXNS	D012	FAS	54/7442
9302	TTL	DCD	DECODER, 1-OF-10, OC OP	16LEAD	+5V	VAR	44MA	35MXNS	D012	FAS	-
9304	TTL	ADD	ADDER, FULL, DUAL	16LEAD	+5V	VAR	55MA	36MXNS	Z015	FAS	-
9305	TTL	CTR	COUNTER, VARIABLE MODULUS	16LEAD	+5V	VAR	66MA	23MXMHZ	C016	FAS	-
9306	TTL	CTR	COUNTER, DECADE, UP/DWN,PRESET	24LEAD	+5V	VAR	-	-	-	FAS	-
9307	TTL	DCD	DECODER, 7 SEGMENT	16LEAD	+5V	VAR	82MA	750MXNS	D013	FAS	54/7448
9308	TTL	LCH	LATCH, 4 BIT, DUAL	24LEAD	+5V	VAR	100MA	30MXNS	L011	FAS	54/74116
9309	TTL	MUX	MULTIPLEXER, 4IP, DUAL	16LEAD	+5V	VAR	44MA	29MXNS	M013	FAS	-
9310	TTL	CTR	COUNTER, BCD-DECADE	16LEAD	+5V	VAR	92MA	30MXMHZ	C004	FAS	54/74160
9311	TTL	DCD	DECODER, 1-OF-16	24LEAD	+5V	VAR	56MA	31MXNS	D009	FAS	54/74154
9312	TTL	MUX	MULTIPLEXER, 8IP	16LEAD	+5V	VAR	44MA	34MXNS	M014	FAS	-
9313	TTL	MUX	MULTIPLEXER, 8IP, OC OP	16LEAD	+5V	VAR	47MA	34MXNS	M014	FAS	-
9314	TTL	LCH	LATCH, 4 BIT	16LEAD	+5V	VAR	55MA	24MXNS	L012	FAS	-
9315	TTL	DCD	DECODER, DRIVER,1-OF-10,70V OP	16LEAD	+5V	VAR	31MA	-	D008	FAS	54/74141
9316	TTL	CTR	COUNTER, BINARY, 4 BIT	16LEAD	+5V	VAR	92MA	30MXMHZ	C004	FAS	54/74161
9317B	TTL	DCD	DECODER, DRIVER, 7SGT,20V,40MA	16LEAD	+5V	VAR	40MA	500MXNS	D014	FAS	54/7446A
9317C	TTL	DCD	DECODER, DRIVER, 7SGT,30V,20MA	16LEAD	+5V	VAR	20MA	500MXNS	D014	FAS	54/7446A
9318	TTL	ENC	ENCODER, PRIORITY, 8 IP	16LEAD	+5V	VAR	77MA	18MXNS	M015	FAS	54/74148
9319	TTL	XXX	SEQUENCER,DECADE,TOTEM POLE OP	16LEAD	+5V	VAR	60MA	35MXMHZ	C017	FAS	-
9320	TTL	XXX	SEQUENCER,DECADE,R PULLUP OP	16LEAD	+5V	VAR	60MA	35MXMHZ	C017	FAS	-
9321	TTL	DCD	DECODER, 1-OF-4, DUAL	16LEAD	+5V	VAR	50MA	21TPNS	D007	FAS	54/74139
9322	TTL	MUX	MULTIPLEXER, 2 IP, QUAD	16LEAD	+5V	VAR	47MA	27MXNS	M005	FAS	54/74157
9324	TTL	CMP	COMPARATOR, 5 BIT	16LEAD	+5V	VAR	81MA	14MXNS	Z016	FAS	-
9325	TTL	DCD	DECODER/DRVR, 1-OF-10,OC,NIXIE	16LEAD	+5V	VAR	25MA	-	D008	FAS	54/74141
9328	TTL	SRG	SHIFT REGISTER, 8 BIT, DUAL	16LEAD	+5V	VAR	77MA	20MXMHZ	R030	FAS	-
9334	TTL	LCH	LATCH, 8 BIT, ADDRESSABLE	16LEAD	+5V	VAR	86MA	23MXNS	L004	FAS	54/74259
9338	TTL	REG	REGISTER, MULTIPORT, 8 BIT	16LEAD	+5V	VAR	135MA	35MXNS	R031	FAS	-
9339	TTL	REG	REGISTER, MULTIPORT, 8 BIT	16LEAD	+5V	VAR	-	-	R031	FAS	-
9340	TTL	ALU	ALU, 4 BIT	24LEAD	+5V	VAR	146MA	30MXNS	Z017	FAS	-
9341	TTL	ALU	ALU, 4 BIT	24LEAD	+5V	VAR	150MA	17MXNS	Z010	FAS	54/74181
9342	TTL	LAC	LOOK AHEAD CARRY GENERATOR	16LEAD	+5V	VAR	72MA	19MXNS	Z018	FAS	54/74182
9343	TTL	MLT	MULTIPLIER, 2'S COMPLT,4BTX2BT	24LEAD	+5V	VAR	-	-	Z019	FAS	-
9344	TTL	MLT	MULTIPLIER, 4 BIT X 2 BIT	24LEAD	+5V	VAR	175MA	30TPNS	Z020	FAS	-
9345	TTL	DCD	DECODER, 1-OF-10, OC OP	16LEAD	+5V	VAR	62MA	50MXNS	D001	FAS	54/7445
9346	TTL	CMP	COMPARATOR, IDENTITY,6BT,HI SP	16LEAD	+5V	VAR	70MA	17MXNS	Z021	FAS	-
9347	TTL	CMP	COMPARATOR, IDENTITY,6BT,HI SP	16LEAD	+5V	VAR	65MA	17TPNS	Z022	FAS	-
9348	TTL	PAR	PARITY GEN/CHECKER, 12 IP	16LEAD	+5V	VAR	82MA	46MXNS	P001	FAS	-
9349	TTL	PAR	PARITY GENERATOR/CHECKER,8 BIT	14LEAD	+5V	VAR	56MA	68MXNS	Z009	FAS	54/74180
9350	TTL	CTR	COUNTER, DECADE	14LEAD	+5V	VAR	25MA	30MXMHZ	C011	FAS	54/74290
9352	TTL	DCD	DECODER, BCD TO DECIMAL	16LEAD	+5V	VAR	56MA	25MXNS	D001	FAS	54/7442
9353	TTL	DCD	DECODER, EXCESS-3 TO DECIMAL	16LEAD	+5V	VAR	56MA	25MXNS	D001	FAS	54/7443
9354	TTL	DCD	DECODER, EXCESS-3-GRAY TO DEC.	16LEAD	+5V	VAR	56MA	25MXNS	D001	FAS	54/7444A
9356	TTL	CTR	COUNTER, BINARY, MODULO 16	14LEAD	+5V	VAR	39MA	32MXMHZ	C012	FAS	54/74293
9357A	TTL	DSP	DECODER/DRIVER,BCD-7SGT,OC,30V	16LEAD	+5V	VAR	103MA	100MXNS	D002	FAS	54/7446A
9357B	TTL	DSP	DECODER/DRIVER,BCD-7SGT,OC,15V	16LEAD	+5V	VAR	103MA	100MXNS	D002	FAS	54/7447A
9358	TTL	DCD	DECODER, BCD-7SGT	16LEAD	+5V	VAR	90MA	100MXNS	D003	FAS	54/7448
9359	TTL	DCD	DECODER, BCD-7SGT	14LEAD	+5V	VAR	56MA	100MXNS	D004	FAS	54/7449
9360	TTL	CTR	COUNTER, DECADE, UP/DOWN	16LEAD	+5V	VAR	102MA	25MXMHZ	C009	FAS	54/74192
9362	TTL	PAR	PARITY GEN/CHECKER, 9 BIT	14LEAD	+5V	VAR	94MA	21MXNS	Z023	FAS	-
9366	TTL	CTR	COUNTER, BINARY, 4 BIT,UP DOWN	16LEAD	+5V	VAR	102MA	25MXMHZ	C009	FAS	54/74193
9368	TTL	DSP	DECODER/DRVR,LATCH,7SGT, LO OP	16LEAD	+5V	VAR	67MA	50MXNS	D015	FAS	-
9370	TTL	DSP	DECODER/DRIVER,LATCH,7SGT, OC	16LEAD	+5V	VAR	105MA	75MXNS	D016	FAS	-
9372	TTL	DSP	SHIFT REGISTER, 4 BIT, L/R	16LEAD	+5V	VAR	63MA	25MXMHZ	R032	FAS	-
9374	TTL	DSP	DECODER/DRVR,LATCH,7SGT, LO OP	16LEAD	+5V	VAR	50MA	140MXNS	D016	FAS	-
9375	TTL	LCH	LATCH, 4 BIT, BISTABLE	16LEAD	+5V	VAR	53MA	30MXNS	L001	FAS	54/7475
9377	TTL	LCH	LATCH, 4 BIT, D TYPE	16LEAD	+5V	VAR	53MA	30MXNS	L002	FAS	54/7477
9380	TTL	ADD	ADDER, FULL, 1 BIT, GATED	14LEAD	+5V	VAR	35MA	17MXNS	Z001	FAS	54/7480
9382	TTL	ADD	ADDER, FULL, 2 BIT	14LEAD	+5V	VAR	58MA	40MXNS	Z001	FAS	54/7482
9383	TTL	ADD	ADDER, FULL, 4 BIT,FAST CARRY	16LEAD	+5V	VAR	110MA	21MXNS	Z005	FAS	54/7483
9385	TTL	CMP	COMPARATOR, MAGNITUDE, 4 BIT	16LEAD	+5V	VAR	88MA	30MXNS	Z005	FAS	54/7485
9386	TTL	XNR	EXCLUSIVE NOR, 2 IP, OC, QUAD	14LEAD	+5V	VAR	48MA	25MXNS	X003	FAS	54/74LS266
9387	TTL	XXX	TRUE/COMPLT(ZERO-ONE) ELMT,4BT	14LEAD	+5V	VAR	89MA	20MXNS	Z006	FAS	54/7487
9390	TTL	CTR	COUNTER, DECADE	14LEAD	+5V	VAR	42MA	32MXMHZ	C001	FAS	54/7490
9391	TTL	SRG	SHIFT REGISTER, 8 BIT	14LEAD	+5V	VAR	58MA	10MXMHZ	R001	FAS	54/7491A
9392	TTL	CTR	COUNTER, DIVIDE BY 12	14LEAD	+5V	VAR	39MA	32MXMHZ	C002	FAS	54/7492
9393	TTL	CTR	COUNTER, BINARY, DIVIDE BY 16	14LEAD	+5V	VAR	39MA	32MXMHZ	C003	FAS	54/7493
9394	TTL	SRG	SHIFT REGISTER, 4 BIT	16LEAD	+5V	VAR	58MA	10MXMHZ	R003	FAS	54/7494
9395	TTL	SRG	SHIFT REGISTER, 4 BIT, L/R	14LEAD	+5V	VAR	63MA	25MXMHZ	R004	FAS	54/7495

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
9396	TTL	SRG	SHIFT REGISTER, 5 BIT	16LEAD	+5V	VAR	79MA	10MXMHZ	R005	FAS	54/7496
9400 SERIES	STL	-	MICROPROCESSOR SER.(BIT SLICE)	DIL---	+5V	VAR	-	-	-	FAS	-
9400DC SERIES	STL	-	CER DIL 75C VRSN OF 9400 SER.	DIL--C	+5V	75C	-	-	-	FAS	-
9400DM SERIES	STL	-	CER DIL 125C VRSN OF 9400 SER.	DIL--C	+5V	125	-	-	-	FAS	-
9400PC SERIES	STL	-	PLAS DIL 75C VRSN OF 9400 SER.	DIL--P	+5V	75C	-	-	-	FAS	-
9401	STL	XXX	CYCLIC REDUNDANCY GEN/CHCK,16B	DIL14	+5V	VAR	500MW	18TPMHZ	Z999	FAS	-
9403	STL	MEM	FIFO, 64=16X4 BIT, SER/PARALL.	DIL24	+5V	VAR	900MW	10TPMHZ	Z999	FAS	-
9404	STL	SWT	DATA PATH SWITCH	DIL24	+5V	VAR	500MW	10TPMHZ	Z999	FAS	-
9405	STL	REG	ARITH LOGIC REG. STACK, 4 BIT	DIL24	+5V	VAR	900MW	13TPMHZ	Z999	FAS	-
9406	STL	REG	PROGRAM STACK, 16X4 PUSH/POP	DIL24	+5V	VAR	800MW	10TPMHZ	Z999	FAS	-
9407	STL	REG	DATA ACCESS REG	DIL24	+5V	VAR	700MW	10TPMHZ	Z999	FAS	-
9408	STL	XXX	SEQUENCER/CONTROLLER,10B MICRO	DIL40	+5V	VAR	1W	10TPMHZ	Z999	FAS	-
9410	STL	REG	REGISTER STACK, 16X4BT RAM,LCH	DIL18	+5V	VAR	600MW	25TPMHZ	Z999	FAS	-
9423	STL	MEM	FIFO, 64X4BT SER/PAR, BUFFER	DIL24	+5V	VAR	1.2W	8TPMHZ	Z999	FAS	-
9440 SERIES	I2L	XXX	MICROPROCESSOR SER., 16 BIT	DIL---	+5V	VAR	-	-	Z999	FAS	-
9440DC SERIES	I2L	XXX	CER DIL 75C VRSN OF 9440 SER	DIL--C	+5V	75C	-	-	Z999	FAS	-
9440DM SERIES	I2L	XXX	CER DIL 125C VRSN OF 9440 SER.	DIL--C	+5V	125	-	-	Z999	FAS	-
9440	I2L	XXX	MICROCOMPUTER CPU,	DIL40	+5V	VAR	-	-	Z999	FAS	-
9441	STL	XXX	MEMORY CONTROL UNIT FOR 9440	DIL40	+5V	VAR	-	-	Z999	FAS	-
9442	STL	XXX	IP/OP CONTROL UNIT FOR 9440	-	+5V	VAR	-	-	Z999	FAS	-
9443	STL	XXX	SPECIAL FUNCTIONS UNIT FR 9440	-	+5V	VAR	-	-	Z999	FAS	-
9500 SERIES	ECL	-	FAIRCHILD PROPRIETARY ECL SER.	-	-5.2V	VAR	-	-	-	FAS	-
9500DC SERIES	ECL	-	75C VERSION OF 9500D SERIES	DIL--C	-5.2V	75C	-	-	-	FAS	-
9500DM SERIES	ECL	-	125C VERSION OF 9500D SERIES	DIL--C	-5.2V	125	-	-	-	FAS	-
9502D	ECL	ORN	OR/NOR, 4 IP- 1 COMMON IP,DUAL	DIL16C	-5.2V	VAR	220MW	2.3TPNS	Z999	FAS	-
9503D	ECL	ORN	OR/NOR, 3IP-1 COMMON IP,TRIPLE	DIL16C	-5.2V	VAR	400MW	2.3TPNS	Z999	FAS	-
9504D	ECL	NOR	NOR, 2IP+1 COMMON IP, QUAD	DIL16C	-5.2V	VAR	350MW	2.3TPNS	Z999	FAS	-
9505D	ECL	AOR	OR/AND, 4 WIDE, 4-3-2-2IP	DIL16C	-5.2V	VAR	500MW	2.6TPNS	Z999	FAS	-
9507D	ECL	AND	AND/NAND,2IP AND,8IP NAND,QUAD	DIL16C	-5.2V	VAR	500MW	3.2TPNS	Z999	FAS	-
9512D	ECL	ORN	OR/NOR,4IP+1 COMMON IP, DUAL	DIL16C	-5.2V	VAR	250MW	1.6TPNS	Z999	FAS	-
9513D	ECL	ORN	OR/NOR,3IP+1 COMMON IP, TRIPLE	DIL16C	-5.2V	VAR	350MW	1.6TPNS	Z999	FAS	-
9514D	ECL	NOR	NOR, 2IP+1 COMMON IP, QUAD	DIL16C	-5.2V	VAR	400MW	1.6TPNS	Z999	FAS	-
9528D	ECL	FFD	FF/D, DUAL	DIL16C	-5.2V	VAR	500MW	3.6TPNS	Z999	FAS	-
9534D	ECL	LCH	LATCH, QUAD	DIL16C	-5.2V	VAR	600MW	5.6TPNS	Z999	FAS	-
9538D	ECL	DCD	DECODER, 1 OF 8	DIL16C	-5.2V	VAR	450MW	3TPNS	Z999	FAS	-
9578D	ECL	CMP	COMPARATOR, 4 BIT	DIL16C	-5.2V	VAR	500MW	3.2TPNS	Z999	FAS	-
9579D	ECL	MUX	MUX, QUAD	DIL16C	-5.2V	VAR	400MW	2.6TPNS	Z999	FAS	-
9580D	ECL	MUX	MUX, TRIPLE	DIL16C	-5.2V	VAR	500MW	3.2TPNS	Z999	FAS	-
9581D	ECL	MUX	MUX, 8 TO 1	DIL16C	-5.2V	VAR	400MW	3.5TPNS	Z999	FAS	-
9582D	ECL	RCV	LINE RECEIVER, TRIPLE	DIL16C	-5.2V	VAR	350MW	2.2TPNS	Z999	FAS	-
9595D	ECL	LSH	LEVEL SHIFT, ECL-TO-TTL, DUAL	DIL16C	-5+5V	VAR	500MW	6TPNS	Z999	FAS	-
9600	TTL	MON	MONOSTABLE MULTI, R+S	14LEAD	+5V	VAR	26MA	56MXNS	U004	FAS	-
9601	TTL	MON	MONOSTABLE MULTI, RETRIG.	14LEAD	+5V	VAR	25MA	40MXNS	W005	FAS	-
9602	TTL	MON	MONOSTABLE MULTI, RETRIG, DUAL	16LEAD	+5V	VAR	52MA	48MXNS	U006	FAS	-
9603	TTL	MON	MONOSTABLE MULTI, NON-RETRIGG.	14LEAD	+5V	VAR	150MW	40MXNS	Z999	FAS	-
9612	TTL	LND	DRIVER, LINE, DUAL	DIL8	+5V	VAR	250MW	14TPNS	Z999	FAS	-
9613	TTL	RCV	RECEIVER, LINE, DIFF, DUAL	DIL8	-+15V	VAR	225MW	25TPNS	Z999	FAS	-
9614	TTL	LND	DRIVER, LINE, DUAL	16LEAD	+5V	VAR	300MW	16TPNS	Z999	FAS	-
9615	TTL	RCV	RECEIVER, LINE, DIFF, DUAL	16LEAD	+5V	VAR	240MW	30TPNS	Z999	FAS	-
9616	TTL	LND	DRIVER, LINE, RS232, TRIPLE	16LEAD	-+12V	VAR	250MW	16TPNS	Z999	FAS	-
9617	TTL	RCV	RECEIVER, LINE, RS232, TRIPLE	DIL14-	+5V	VAR	100MW	60TPNS	Z999	FAS	-
9620	TTL	RCV	RECEIVER, LINE, DIFF, DUAL	14LEAD	5-12V	VAR	200MW	35TPNS	Z999	FAS	-
9621	TTL	LND	DRIVER, LINE, DUAL	16LEAD	5/15V	VAR	150MW	10TPNS	Z999	FAS	-
9622	TTL	RCV	RECEIVER, LINE, DUAL	-	5-12V	VAR	250MW	38TPNS	Z999	FAS	-
9624	TTL	LSH	LEVEL SHIFT, TTL TO MOS	14LEAD	+5V	VAR	70MW	120TPNS	Z999	FAS	-
9625	TTL	LSH	LEVEL SHIFT, MOS TO TTL, DUAL	14LEAD	+5V	VAR	100MW	70TPNS	Z999	FAS	-
9627	TTL	RCV	RECEIVER, LINE, RS232, DUAL	16LEAD	-+12V	VAR	400MW	70TPNS	Z999	FAS	-
9632	TTL	XXX	ADDRESS MUX/REFRESH COUNTER	24LEAD	+5V	VAR	-	-	Z023	FAS	-
9634	TTL	LND	DRIVER, LINE, DUAL	16LEAD	+5V	VAR	300MW	10MXNS	Z999	FAS	-
9636	TTL	LND	DRIVER, LINE	16LEAD	-+15V	VAR	300MW	-	Z999	FAS	-
9637	TTL	RCV	RECEIVER, LINE, RS422/423,DUAL	DIL8--	+5V	VAR	-	17TPNS	Z999	FAS	-
9638	TTL	LND	DRIVER, LINE, DIFF, DUAL	DIL8--	+5V	VAR	-	10TPNS	Z999	FAS	-
9640	TTL	TRX	TRANSCEIVER, LINE, OC INV,QUAD	16LEAD	+5V	VAR	-	18TPNS	Z999	FAS	-
9641	TTL	TRX	TRANSCEIVER, LINE, OC, QUAD	16LEAD	+5V	VAR	-	20TPNS	Z999	FAS	-
9642	TTL	TRX	TRANSCEIVER, OC OP, INV, QUAD	DIL16	+5V	VAR	-	18TPNS	Z999	FAS	-
9643	TTL	LSH	LEVEL SHIFT, TTL TO MOS ,DUAL	8/14LD	+5V	VAR	-	8TPNS	Z999	FAS	-
9644	TTL	DVR	DRIVER, TTL TO CMOS, DUAL	DIL8	+5V	VAR	-	8TPNS	Z999	FAS	-
9645	TTL	DVR	DRIVER, TTL TO CMOS, QUAD	DIL16-	+5V	VAR	-	8TPNS	Z999	FAS	-
9646	TTL	CLK	CLOCK DRIVER, MOS, DUAL	8/14LD	+-22V	VAR	-	30TPNS	Z999	FAS	-
9650	TTL	XXX	CURRENT SOURCE, 4 BIT	DIL16	+5V	VAR	-	-	Z999	FAS	-
9664	TTL	DSP	DISPLAY DIGIT DRIVER, LED, HEX	DIL14-	-	VAR	-	-	Z999	FAS	-
9665	TTL	DSP	DISPLAY DVR, 7-DARLINGTON, LED	DIL14	-	VAR	-	-	Z999	FAS	-
9666	TTL	DSP	DISPLAY DVR,PMOS IP,7-DARL,LED	DIL14	-	VAR	-	-	Z999	FAS	-
9667	TTL	DSP	DISPLAY DVR,CMOS IP,7-DARL,LED	DIL14	-	VAR	-	-	Z999	FAS	-
9668	TTL	DSP	DISPLAY DVR, 7-DARLINGTON, LED	DIL14	-	VAR	-	-	Z999	FAS	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
9700 SERIES	RTL	-	55C VERSIONS OF 75C 9800 SER.	14/16L	+3.5V	55C	-	-	-	MOT	OBSOLETE
9701	RTL	SEL	DATA SELECTOR, 4 CHANNEL, DUAL	DIL16P	+3.5V	70C	150MW	25TPNS	Z998	MOT	OBSOLETE
9702	RTL	FFJ	FF/JK, DUAL	DIL14P	+3.5V	70C	250MW	35TPNS	Z998	MOT	OBSOLETE
9704	RTL	ADD	ADDER, 4 BIT	DIL16P	+3.5V	70C	400MW	125TPNS	Z998	MOT	OBSOLETE
9706	TTL	XXX	DIGITAL-ANALOG CVR,8 CH, 6 BIT	DIL14	+5V	VAR	-	-	Z999	FAS	-
9707	RTL	MUX	MULTIPLEXER, DATA, 4 CH, DUAL	DIL16P	+3.5V	70C	225MW	25TPNS	Z998	MOT	OBSOLETE
9708	TTL	ADC	ANALOG-DIGITAL CVR,6 CH, 8 BIT	DIL16	+5V	VAR	-	-	Z999	FAS	-
9709	RTL	SCH	SCHMITT TRIGGER, QUAD	DIL14P	+3.5V	70C	150MW	30TPNS	Z998	MOT	OBSOLETE
9710	TTL	XXX	DIGITAL-ANALOG CVR, 10 BIT	DIL24	+5V	VAR	-	-	Z999	FAS	-
9712	RTL	XXX	DIGITAL-ANALOG CVR, 12 BIT	DIL24	+5V	VAR	-	-	Z999	FAS	-
9713	RTL	AND	AND, 2 IP, QUAD	DIL14P	+3.5V	70C	150MW	28TPNS	Z998	MOT	OBSOLETE
9714	RTL	NAN	NAND, 2 IP, QUAD	DIL14P	+3.5V	70C	220MW	14TPNS	Z998	MOT	OBSOLETE
9715	RTL	ORG	OR, 2 IP, QUAD	DIL14P	+3.5V	70C	100MW	14TPNS	Z998	MOT	OBSOLETE
9719	RTL	EXP	EXPANDER, HEX	14LEAD	+3.5V	70C	-	12TPNS	Z998	MOT	OBSOLETE
9800 SERIES	RTL	-	ABBREVIATION FOR MC9800 SERIES	-	+3.5V	75C	-	-	-	MOT	MC9800 SERIES
9900 SERIES	RTL	-	FAIRCHILD VERSION OF MC900 SER	-	+3.5V	125	-	-	-	FAS	900 SERIES
9900FM SERIES	RTL	-	FLAT PACK VRSN OF 9900 SERIES	FLP---	+3.5V	125	-	-	-	FAS	900FM SERIES
9900HC	RTL	-	TO5 75C VRSN OF 9900 SERIES	TO5---	+3.5V	75C	-	-	-	FAS	900HC SERIES
9900HM SERIES	RTL	-	TO5 125C VRSN OF 9900 SERIES	TO5---	+3.5V	125	-	-	-	FAS	900HM SERIES
9930 SERIES	DTL	-	FAIRCHILD VRSN OF 930 SERIES	-	+5V	VAR	-	-	-	FAS	930 SERIES
9930DC SERIES	DTL	-	CER DIL 70C VRSN OF 9930 SER	DIL--C	+5V	70C	-	-	-	FAS	930DC SERIES
9930DM SERIES	DTL	-	CER DIL 125C VRSN OF 930 SER	DIL--C	+5V	125	-	-	-	FAS	930DM SERIES
9930FM SERIES	DTL	-	FLAT PK 125 VRSN OF 9930 SER	FLP---	+5V	125	-	-	-	FAS	930FM SERIES
9930HC SERIES	DTL	-	TO5 CAN 70C VRSN OF 9930 SER	TO5---	+5V	70C	-	-	-	FAS	930HC SERIES
9930HM SERIES	DTL	-	TO5 CAN 125C VRSN OF 9930 SER	TO5---	+5V	125	-	-	-	FAS	930HM SERIES
10000 SERIES	ECL	-	GENERIC NOS FOR F10000 ECL SER	-	-5.2V	-	-	-	-	FAS	F10000 SERIES
10000	ECL	SRG	SHIFT REGISTER,4BT,PS IP,PS OP	16LEAD	-5.2V	85C	85MA	150MXMHZ	R060	FAS	F10000
10010	ECL	CTR	COUNTER,4BT BIN,SYNC,PRESETTBL	16LEAD	-5.2V	85C	115MA	140MXMHZ	C055	FAS	F10010
10014	ECL	XXX	ACTIVE TERMINATOR, 14 TERMINAL	16LEAD	-5.2V	85C	16MA	140MXMHZ	Z999	FAS	F10014
10016	ECL	CTR	COUNTER, 4BT,BIN,SYNC,PRESETT	16LEAD	-5.2V	85C	115MA	140MXMHZ	C055	FAS	F10016
10100 SERIES	ECL	-	GENERIC NOS FOR MC10100 ECL SR	-	-5.2V	85C	-	-	-	VAR	MC10100 SER
10100	ECL	NOR	NOR, 2IP,STROBE, QUAD	16LEAD	-5.2V	85C	26MA	2.9MXNS	Q021	VAR	SP10100
10101	ECL	ORN	OR/NOR, 2IP,COMP OPS, QUAD	16LEAD	-5.2V	85C	26MA	2.9MXNS	O005	VAR	MC10101
10102	ECL	NOR	NOR, 2IP, QUAD	16LEAD	-5.2V	85C	26MA	2.9MXNS	Q022	VAR	MC10102
10103	ECL	ORG	OR, 2IP, QUAD	16LEAD	-5.2V	85C	150MW	2.9MXNS	O006	VAR	MC10103
10104	ECL	AND	AND, 2IP, QUAD	16LEAD	-5.2V	85C	210MW	2.9MXNS	A011	VAR	MC10104
10105	ECL	ORN	OR/NOR, 3-2-2 IP TRIPLE	16LEAD	-5.2V	85C	21MA	2.9MXNS	O007	VAR	MC10105
10106	ECL	NOR	NOR, 4-3-3 IP, TRIPLE	16LEAD	-5.2V	85C	21MA	2.9MXNS	Q023	VAR	MC10106
10107	ECL	XON	XOR/XNOR, 2IP, TRIPLE	16LEAD	-5.2V	85C	28MA	2.9MXNS	X010	VAR	MC10107
10108	ECL	AND	AND/NAND, 3IP, DUAL	16LEAD	-5.2V	85C	100MW	2.8MXNS	A012	VAR	GXB10108
10109	ECL	ORN	OR/NOR, 4-5 IP, DUAL	16LEAD	-5.2V	85C	14MA	2.9MXNS	O008	VAR	MC10109
10110	ECL	ORG	OR, 3IP, 3OP, DUAL	16LEAD	-5.2V	85C	38MA	2.9MXNS	O009	VAR	MC10110
10111	ECL	NOR	NOR, 3IP, 3OP, DUAL	16LEAD	-5.2V	85C	38MA	2.9MXNS	Q024	VAR	MC10111
10112	ECL	ORN	OR/NOR 3IP, 1 OR 2NOR OP, DUAL	16LEAD	-5.2V	85C	38MA	2.9MXNS	O010	VAR	SP10112
10113	ECL	XOR	EXCLUSIVE-OR, ENABLE, QUAD	16LEAD	-5.2V	85C	40MA	2.5TPNS	X011	VAR	MC10113
10114	ECL	RCV	LINE RECEIVER, DIFFRNTL,TRIPLE	16LEAD	-5.2V	85C	35MA	2.5TPNS	Z072	VAR	MC10114
10115	ECL	RCV	LINE RECEIVER, DIFFERENTL,QUAD	16LEAD	-5.2V	85C	26MA	2.9MXNS	Z073	VAR	MC10115
10116	ECL	RCV	LINE RECVR, OR/NOR,DIFF,TRIPLE	16LEAD	-5.2V	85C	20MA	2.9MXNS	Z072	VAR	MC10116
10117	ECL	AOI	AO/AOI, 2 WIDE,2-3 IP, DUAL	16LEAD	-5.2V	85C	26MA	3.4MXNS	Y030	VAR	MC10117
10118	ECL	AOR	AND-OR, 2 WIDE, 3-3 IP, DUAL	16LEAD	-5.2V	85C	26MA	2.9MXNS	Y031	VAR	MC10118
10119	ECL	AOR	AND-OR, 4 WIDE,4-3-3-3IP, DUAL	16LEAD	-5.2V	85C	26MA	2.9MXNS	Y032	VAR	MC10119
10121	ECL	AVI	AO/AOI, 4 WIDE,3-3-3-3 IP	16LEAD	-5.2V	85C	26MA	2.9MXNS	Y033	VAR	MC10121
10123	ECL	DVR	DRIVER, BUS, 4-3-3 IP, TRIPLE	16LEAD	-5.2V	85C	165MW	3TPNS	B030	VAR	MC10123
10124	ECL	LSH	LEVEL SHIFT, TTL TO ECL, QUAD	16LEAD	-5.2V	85C	66MA	3.5TPNS	Z074	VAR	MC10124
10125	ECL	LSH	LEVEL SHIFT, ECL TO TTL, QUAD	16LEAD	-5.2V	85C	40MA	4.5TPNS	Z075	VAR	SP10125
10127	ECL	LSH	LEVEL SHIFT, ECL-MOS, DUAL	16LEAD	-5.2V	85C	-	-	Z076	MOT	MC10127
10128	ECL	DVR	DRIVER, BUS, DUAL	16LEAD	-5.2V	85C	950MW	12TPNS	B031	VAR	MC10128
10129	ECL	RCV	RECEIVER, BUS, QUAD	16LEAD	-5.2V	85C	225MW	2.5TPNS	Z077	VAR	MC10129
10130	ECL	LCH	LATCH, D TYPE,COMM CLOCK, DUAL	16LEAD	-5.2V	85C	35MA	2.5TPNS	L023	VAR	MC10130
10131	ECL	FFD	FF/D, MASTER SLAVE, DUAL	16LEAD	-5.2V	85C	56MA	160MXMHZ	F059	VAR	MC10131
10132	ECL	MUX	DATA SEL/MUX,LATCH,COMM R,DUAL	16LEAD	-5.2V	85C	50MA	3TPNS	M035	VAR	MC10132
10133	ECL	LCH	LATCH, D, NEG TR,GATED OP,QUAD	16LEAD	-5.2V	85C	75MA	4TPNS	L024	VAR	MC10133
10134	ECL	MUX	DATA SELECTOR/MUX, LATCH, DUAL	16LEAD	-5.2V	85C	55MA	3TPNS	M036	VAR	MC10134
10135	ECL	FFJ	FF/JK, MASTER SLAVE, DUAL	16LEAD	-5.2V	85C	57MA	140MXMHZ	F060	VAR	MC10135
10136	ECL	CTR	COUNTER, HEXADEC, UP/DOWN	16LEAD	-5.2V	85C	950MW	150MXMHZ	C056	VAR	MC10136
10137	ECL	CTR	COUNTER, DECADE, UP/DOWN	16LEAD	-5.2V	85C	950MW	150MXMHZ	C056	VAR	MC10137
10138	ECL	CTR	COUNTER, BIQUINARY	16LEAD	-5.2V	85C	550MW	150MXMHZ	C057	VAR	MC10138
10139	ECL	MEM	PROM 256=32X8BT	16LEAD	-5.2V	85C	145MA	20MXNS	S024	VAR	N10139
10140	ECL	MEM	RAM, 64=64X1BT, 90 OHM LOAD	16LEAD	-5.2V	85C	120MA	15MXNS	S025	VAR	MCM10140
10140A	ECL	MEM	RAM, 64=64X1BT, 90 OHM LOAD	16LEAD	-5.2V	85C	-	-	S025	VAR	MCM10140A
10141	ECL	MEM	SHIFT REGISTER, 4BT, L/R	16LEAD	-5.2V	85C	102MA	200MXMHZ	R061	VAR	MC10141
10142	ECL	MEM	RAM, 64=64X1BT	16LEAD	-5.2V	85C	-	10MXNS	S025	VAR	GXB10142
10143	ECL	REG	REGISTER FILE, MULTIPORT,8X2BT	24LEAD	-5.2V	85C	6TPW	10MXNS	R062	VAR	MCM10143
10144	ECL	MEM	RAM, 256=256X1BT	16LEAD	-5.2V	85C	4TPW	30MXNS	S026	VAR	MCM10144
10144A	ECL	MEM	RAM, 256=256X1 BIT	16LEAD	-5.2V	85C	-	-	S026	MOT	MC10144A

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
10145	ECL	REG	REGISTER FILE, 16X4 BIT RAM	16LEAD	-5.2V	85C	145MA	10MXNS	R063	VAR	MCM10145
10145A	ECL	REG	REGISTER FILE, 16X4 BIT,HI SPD	16LEAD	-5.2V	85C	150MA	7TPNS	R063	FAS	-
10146	ECL	MEM	RAM, 1K=1024X1 BIT	16LEAD	-5.2V	85C	-	24TPNS	S027	VAR	GXB10146
10147	ECL	MEM	RAM, 128=128X1 BIT	16LEAD	-5.2V	85C	4MXW	12MXNS	S028	VAR	MCM10147
10148	ECL	MEM	RAM, 64=64X1 BIT, 500 OHM LOAD	16LEAD	-5.2V	85C	120MA	15MXNS	S025	VAR	MCM10148
10149	ECL	MEM	PROM, 1K=256X4 BIT	16LEAD	-5.2V	85C	-	25MXNS	S029	VAR	MCM10149
10150A	ECL	MEM	PROM, 1K=1024X1 BIT	16LEAD	-5.2V	85C	-	-	Z999	MOT	MCM10150A
10151	ECL	MEM	RAM, 64=64X1 BIT,LATCH, 50 OHM	16LEAD	-5.2V	85C	120MA	15MXNS	S025	VAR	N10151
10152	ECL	MEM	RAM, 256=256X1 BIT	16LEAD	-5.2V	85C	-	15TPNS	Z999	VAR	-
10153	ECL	LCH	LATCH, D-TYPE, +VE TRANSN,QUAD	16LEAD	-5.2V	85C	450MW	4TPNS	L025	VAR	MC10153
10155	ECL	MEM	CAM, 16=8X2BT RAM	16LEAD	-5.2V	85C	-	-	S030	VAR	GXB10155
10158	ECL	MUX	DATA SEL/MUX, 2IP,NONINV ,QUAD	16LEAD	-5.2V	85C	50MA	2.5TPNS	M037	VAR	N10158
10159	ECL	MUX	DATA SEL/MUX, 2IP, INV., QUAD	16LEAD	-5.2V	85C	50MA	2.5TPNS	M038	VAR	N10159
10160	ECL	PAR	PARITY GENERATOR/CHECKER, 12BT	16LEAD	-5.2V	85C	78MA	5TPNS	P003	VAR	MC10160
10161	ECL	DCD	DECODER, BIN TO 1-OF-8, LO OP	16LEAD	-5.2V	85C	72MA	4TPNS	D033	VAR	MC10161
10162	ECL	DCD	DECODER, BIN TO 1-OF-8, HI OP	16LEAD	-5.2V	85C	72MA	4TPNS	D034	VAR	MC10162
10163	ECL	XXX	ERROR DETECTOR, IBM CODE	16LEAD	-5.2V	85C	750MW	5TPNS	P004	VAR	MC10163
10164	ECL	MUX	DATA SELECTOR/MUX, 8-TO-1 LINE	16LEAD	-5.2V	85C	75MA	3TPNS	M039	VAR	MC10164
10165	ECL	ENC	ENCODER, PRIORITY, 8 INPUT	16LEAD	-5.2V	85C	800MW	7TPNS	M040	VAR	MC10165
10166	ECL	CMP	COMPARATOR, MAGNITUDE, 5 BIT	16LEAD	-5.2V	85C	660MW	6TPNS	Z078	VAR	MC10166
10168	ECL	LCH	LATCH, D-TYPE,COMM ENABLE,QUAD	16LEAD	-5.2V	85C	500MW	3TPNS	L026	VAR	MC10168
10170	ECL	PAR	PARITY GEN/CHECKER, 9+2 BIT IP	16LEAD	-5.2V	85C	68MA	4TPNS	P005	VAR	-
10171	ECL	DCD	DECODER, BIN TO 1-OF-4,LO,DUAL	16LEAD	-5.2V	85C	75MA	4TPNS	D035	VAR	MC10171
10172	ECL	DCD	DECODER, BIN TO 1-OF-4,HI,DUAL	16LEAD	-5.2V	85C	75MA	4MXNS	D036	VAR	MC10172
10173	ECL	MUX	DATA SEL/MUX, LATCH, 2IP, QUAD	16LEAD	-5.2V	85C	78MA	2.5TPNS	M041	VAR	MC10173
10174	ECL	MUX	DATA SEL/MUX, 4-1 LINE,EN,DUAL	16LEAD	-5.2V	85C	73MA	3.5TPNS	M041	VAR	MC10174
10175	ECL	LCH	LATCH, QUINT	16LEAD	-5.2V	85C	600MW	2.5TPNS	L027	VAR	MC10175
10176	ECL	FFD	FF/D, MASTER-SLAVE, HEX	16LEAD	-5.2V	85C	700MW	150TPMHZ	F061	VAR	MC10176
10177	ECL	LSH	LEVEL SHIFTER, ECL-NMOS,TRIPLE	16LEAD	-5.2V	85C	1TPW	-	Z079	VAR	MC10177
10178	ECL	CTR	COUNTER BINARY	16LEAD	-5.2V	85C	500MW	150MXMHZ	C058	VAR	MC10178
10179	ECL	LAC	LOOK AHEAD CARRY GENERATOR	16LEAD	-5.2V	85C	450MW	4TPNS	Z080	VAR	MC10179
10180	ECL	ADD	ADDER/SUBTRACTOR, HI SPD, DUAL	16LEAD	-5.2V	85C	550MW	4 5TPNS	Z081	VAR	MC10180
10181	ECL	ALU	ALU, FUNCTION GENERATOR, 4 BIT	24LEAD	-5.2V	85C	145MA	7MXNS	Z082	VAR	MC10181
10182	ECL	ALU	ALU, FUNCTION GENERATOR, 2 BIT	16LEAD	-5.2V	85C	718MW	7.5MXNS	Z083	VAR	MC10182
10183	ECL	MLT	MULTIPLIER, 4X2 BIT	24LEAD	-5.2V	85C	8TPW	50TPNS	Z084	VAR	-
10186	ECL	FFD	FF/D, MASTER SLAVE, RESET, HEX	16LEAD	-5.2V	85C	5TPW	150MXMHZ	F062	VAR	F10186
10188	ECL	BUF	DRIVER, BUFFER, ENABLE, HEX	16LEAD	-5.2V	85C	750MW	11MXNS	B032	VAR	GXB10188
10189	ECL	INV	DRIVER, INVERTER, ENABLE, HEX	16LEAD	-5.2V	85C	-	-	B033	VAR	GXB10189
10190	ECL	LSH	LEVEL SHIFT, IBM-ECL,DIFF,QUAD	16LEAD	-5 2V	85C	45MA	2.5TPNS	Z999	VAR	N10190
10191	ECL	LSH	LEVEL SHIFT, ECL-IBM,DIFF,QUAD	16LEAD	-5 2V	85C	38MA	2.2TPNS	Z999	VAR	N10191
10192	ECL	LND	LINE DRIVER, DIFFERENTIAL,QUAD	16LEAD	-5.2V	85C	140MA	6MXNS	B034	VAR	F10192
10193	ECL	XXX	ERROR DETECTOR/CORRECTOR,MOTLA	16LEAD	-5.2V	85C	5TPW	7 5TPNS	Z999	VAR	MC10193
10194	ECL	TRX	TRANSCEIVER, BUS,SIM,DUAL	16LEAD	-5.2V	85C	.4TPW	2.5TPNS	T008	VAR	-
10195	ECL	INV	INVERTER/BUFFER, HEX	16LEAD	-5.2V	85C	2TPW	2TPNS	Z999	VAR	MC10195
10197	ECL	AND	AND, HEX	16LEAD	-5.2V	85C	2TPW	2.8TPNS	Z999	VAR	MC10197
10198	ECL	MON	MONOSTABLE, MULTI,PROGRAMMABLE	16LEAD	-5.2V	85C	4TPW	-	Z999	VAR	-
10199	ECL	CTR	COUNTER 4 DECADE,DIV BY N,PRG	16LEAD	-5.2V	85C	2TPW	1.5TPNS	Z999	VAR	-
10200 SERIES	ECL	-	IMPROVED VERSN OF 10100 SERIES	-	-5.2V	85C	-	-	-	VAR	F10200 SERIES
10210	ECL	ORG	OR, 3 IP, 3 OP, DUAL	16LEAD	-5.2V	85C	225MW	1.5TPNS	O009	FAS	MC10210
10211	ECL	NOR	NOR, 3 IP, 3-OP, DUAL	16LEAD	-5.2V	85C	225MW	1.5TPNS	Q024	FAS	MC10211
10212	ECL	ORN	OR/NOR, 3IP, 1OR 2NOR OP, DUAL	16LEAD	-5.2V	85C	225MW	1.5TPNS	O010	SIG	MC10212
10216	ECL	RCV	HI PERFORMANCE 10116	16LEAD	-5.2V	85C	1TPW	1.8TPNS	Z072	SIG	MC10216
10231	ECL	FFD	FF/D, HI SPD, DUAL,IMPVD 10131	16LEAD	-5.2V		3TPW	225MXMHZ	F059	FAS	MC10231
10301	ECL	SRG	SHIFT REGISTER, 8 BIT, PISO	16LEAD	-5.2V	85C	-	-	-	VAR	-
10400	ECL	MEM	MEMORY SERIES OF 10000 SERIES	-	-5.2V	75C	-	-	-	VAR	F10400 SERIES
10405	ECL	MEM	RAM, 128=128X1BT,FULLY DECODED	16LEAD	-5.2V	75C	150MA	15MXNS	Z999	VAR	F10405
10410	ECL	MEM	RAM, 256=256X1BT,FULLY DECODED	16LEAD	-5.2V	75C	130MA	30MXNS	Z999	FAS	F10410
10411	ECL	MEM	RAM, 256=256X1BT,FULLY DECODED	16LEAD	-5.2V	75C	125MA	35MXNS	Z999	VAR	F10411
10414	ECL	MEM	RAM, 256=256X1BT,FULLY DECODED	16LEAD	-5.2V	75C	450MW	7TPNS	Z999	VAR	F10414
10415	ECL	MEM	RAM, 1K=1024X1 BIT	16LEAD	-5.2V	75C	150MA	60MXNS	Z999	VAR	F10415
10415A	ECL	MEM	RAM, 1K=1024X1 BIT, HI SPEED	16LEAD	-5.2V	75C	150MA	35MXNS	Z999	FAS	F10415A
10416	ECL	MEM	RAM, 1K=1024X1BT,FULLY DECODED	16LEAD	-5.2V	75C	-	15TPNS	Z999	VAR	F10416
10422	ECL	MEM	RAM, 1K=256X4 BIT	16LEAD	-5.2V	75C	.9TPW	10MXNS	Z999	FAS	F10422
10470	ECL	MEM	RAM, 4K=4096X1BT,FULLY DECODED	18LEAD	-5.2V	75C	200MA	25TPNS	Z999	VAR	F10470
10500 SERIES	ECL	-	MIL VERSN OF 85C 10100 SERIES	-	-5.2V	125	-	-	-	VAR	MC10500 SER.
10600 SERIES	ECL	-	MIL VERSN OF 85C 10200 SERIES	-	-5.2V	125	-	-	-	VAR	MC10500 SER.
14100BDC SER	CMS	-	FAIRCHILD VERSN MC14100BCL SER	DIL--C	+15V	85C	-	-	-	FAS	MC14100BCL SR
14100BDM SER	CMS	-	FAIRCHILD VERSN MC14100BAL SER	DIL--C	+15V	125	-	-	-	FAS	MC14100BAL SR
14100BFC SER	CMS	-	FLATPACK VERSN MC14100BDC SER	FLP---	+15V	85C	-	-	-	FAS	-
14100BFM SER	CMS	-	FLATPACK VERSN MC14100BDM SER.	FLP---	+15V	125	-	-	-	FAS	-
14100BPC SER	CMS	-	FAIRCHILD VERSN MC14100BCP SER	DIL--P	+15V	85C	-	-	-	FAS	MC14100BCP SR
22100 SERIES	CMS	VAR	RCA SPECIAL FUNCTION SERIES	DIL---	+15V	VAR	-	-	Z999	RCA	CD22100D SER.
34000 SERIES	CMS	VAR	ALTERNATE CODE FOR FAS 4000 SR	-	-	-	-	-	-	FAS	4000 SER(FAS)
34500 SERIES	CMS	VAR	FAIRCHILD CODE FOR 4500 SERIES	-	-	-	-	-	-	FAS	4500 SERIES
40000 SER	CMS	CAR	CONTINUATION OF 4000 SERIES	-	-	-	-	-	-	FAS	CD40000 SER.

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
40000B SERIES	CMS	VAR	CONTINUATION OF 4000B SERIES	-	+15V	VAR	-	-	-	FAS	CD40000B SER
40014B	CMS	SCH	SCHMITT TRIGGER, HEX	DIL14P	+15V	85C	-	-	I009	VAR	40014BPC
40014BDC	CMS	SCH	SCHMITT TRIGGER, HEX	DIL14C	+15V	85C	-	-	I009	FAS	HCF40106BF
40014BDM	CMS	SCH	SCHMITT TRIGGER, HEX	DIL14C	+15V	125	-	-	I009	FAS	CD40106BD
40014BFC	CMS	SCH	SCHMITT TRIGGER, HEX	FLP14	+15V	85C	-	-	I009	FAS	-
40014BFM	CMS	SCH	SCHMITT TRIGGER, HEX	FLP14	+15V	125	-	-	I009	FAS	CD40106BMW
40014BPC	CMS	SCH	SCHMITT TRIGGER, HEX	DIL14P	+15V	85C	-	-	I009	FAS	CD40106BE
40061A	CMS	MEM	RAM, 256X1 BIT, 3S	DIL16P	+10V	85C	-	-	Z999	VAR	CD40061AE
40085B	CMS	CMP	COMPARATOR, MAGNITUDE, 4 BIT	DIL16P	+15V	85C	-	-	Z028	VAR	40085BPC
40085BDM	CMS	CMP	COMPARATOR, MAGNITUDE, 4 BIT	DIL16C	+15V	125	-	-	Z028	FAS	MM54C85D
40085BDC	CMS	CMP	COMPARATOR, MAGNITUDE, 4 BIT	DIL16C	+15V	85C	-	-	Z028	FAS	MM74C85J
40085BFC	CMS	CMP	COMPARATOR, MAGNITUDE, 4 BIT	FLP16	+15V	85C	-	-	Z028	FAS	MM54C85W
40085BFM	CMS	CMP	COMPARATOR, MAGNITUDE, 4 BIT	FLP16C	+15V	125	-	-	Z028	FAS	MM54C85W
40085BPC	CMS	CMP	COMPARATOR, MAGNITUDE, 4 BIT	DIL16P	+15V	85C	-	-	Z028	FAS	MM74C85N
40097B	CMS	BUF	BUFFER, NON-INVERTING,3S, HEX	DIL16P	+15V	85C	-	-	B020	VAR	40097BPC
40097BDM	CMS	BUF	BUFFER, NON-INVERTING, 3S, HEX	DIL16C	+15V	125	-	-	B020	FAS	MC14503BAL
40097BDC	CMS	BUF	BUFFER, NON-INVERTING, 3S, HEX	DIL16C	+15V	85C	-	-	B020	FAS	MC4503BCL
40097BFC	CMS	BUF	BUFFER, NON-INVERTING, 3S, HEX	FLP16	+15V	85C	-	-	B020	FAS	CD4503MW
40097BFM	CMS	BUF	BUFFER, NON-INVERTING, 3S, HEX	FLP16	+15V	125	-	-	B020	FAS	CD4503MW
40097BPC	CMS	BUF	BUFFER, NON-INVERTING, 3S, HEX	DIL16P	+15V	85C	-	-	B020	FAS	MC14503BCP
40098B	CMS	INV	INVERTER, 3S, HEX	DIL16P	+15V	85C	-	-	B020	VAR	40098BPC
40098BDC	CMS	INV	INVERTER, 3S, HEX	DIL16C	+15V	85C	-	-	B020	FAS	-
40098BDM	CMS	INV	INVERTER, 3S, HEX	DIL16C	+15V	125	-	-	B020	FAS	-
40098BFC	CMS	INV	INVERTER, 3S, HEX	FLP16	+15V	85C	-	-	B020	FAS	-
40098BFM	CMS	INV	INVERTER, 3S, HEX	FLP16	+15V	125	-	-	B020	FAS	-
40098BPC	CMS	INV	INVERTER, 3S, HEX	DIL16P	+15V	85C	-	-	B020	FAS	-
40098BFC	CMS	INV	INVERTER, 3S, HEX	FLP16	+15V	85C	-	-	B020	FAS	-
40100 SERIES	CMS	VAR	FAIRCHILD VRSN CD40100 SERIES	-	-	VAR	-	-	-	FAS	CD40100 SER
40100B SERIES	CMS	VAR	FAIRCHILD VRSN CD40100B SERIES	-	+15V	VAR	-	-	-	FAS	CD40100B SER
40100B	CMS	SRG	SHIFT REG, 32 BIT,LEFT/RIGHT	DIL16P	+15V	85C	-	-	R051	VAR	CD40100BE
40101B	CMS	PAR	PARITY GEN/CHECKER, 9 BIT	DIL14P	+15V	85C	-	-	Z056	VAR	CD40101BE
40102B	CMS	CTR	COUNTER, BCD,DOWN,SYNC,PRESETT	DIL16P	+15V	85C	-	-	C035	VAR	CD40102BE
40103B	CMS	CTR	COUNTER,BINARY,DOWN,SYNC,8 BIT	DIL16P	+15V	85C	-	-	C036	VAR	CD40103BE
40104B	CMS	SRG	SHIFT REG, 4 BIT,L/R, 3S	DIL16P	+15V	85C	-	-	R052	VAR	HCF40104BE
40105B	CMS	REG	FIFO,BUFFER,4BT WIDE,16BT LONG	DIL16P	+15V	85C	-	-	R053	VAR	CD40105BE
40106B	CMS	SCH	SCHMITT, INVERTER, HEX	DIL14P	+15V	85C	-	-	I009	VAR	CD40106BE
40107B	CMS	NAN	NAND, BUFFER/DRIVER, 2IP, DUAL	DIL8 P	+15V	85C	-	-	B018	VAR	CD40107BE
40108B	CMS	REG	REGISTER, MULTIPORT, 4X4 PORT	DIL24P	+15V	85C	-	-	R054	VAR	CD40108BE
40109B	CMS	LSH	LEVEL SHIFTER,LO-HI VOLT, QUAD	DIL16P	+15V	85C	-	-	B019	VAR	CD40109BE
40110B	CMS	CTR	COUNTER/LATCH/DECODER, DECADE	DIL16P	+15V	85C	-	-	C037	VAR	CD40110BE
40114B	CMS	MEM	RAM, 16X4 BIT	DIL16P	+15V	85C	-	-	S001	VAR	CD40114BE
40115	CMS	LSH	LEVEL SHIFTER, CMOS-TTL, 8 BIT	DIL22P	+10V	85C	-	-	Z999	VAR	CD40115D
40116	CMS	LSH	LEVEL SHIFTER,CMOS-TTL, 8 BIT	DIL22P	+12V	125	-	-	Z999	RCA	CD40116E
40147B	CMS	ENC	ENCODER,PRIORITY,10-4 LINE,BCD	DIL16P	+15V	85C	-	-	Z999	VAR	CD40147BE
40160B	CMS	CTR	COUNTER,DECADE,SYNC,ASYN RESET	DIL16P	+15V	85C	-	-	C038	VAR	CD40160BE
40160BDC	CMS	CTR	COUNTER,DECADE,SYNC,ASYN RESET	DIL16C	+15V	85C	-	-	C038	FAS	CD40160BCJ
40160BFC	CMS	CTR	COUNTER,DECADE,SYNC,ASYN RESET	FLP16	+15V	85C	-	-	C038	FAS	CD40160BMW
40160BFM	CMS	CTR	COUNTER,DECADE,SYNC,ASYN RESET	FLP16	+15V	125	-	-	C038	FAS	CD40160BMW
40161B	CMS	CTR	COUNTER,4BT BIN,SYN,ASYN RESET	DIL16P	+15V	85C	-	-	C038	VAR	CD40161BE
40161BDC	CMS	CTR	COUNTER,4BT BIN,SYN,ASYN RESET	DIL16C	+15V	85C	-	-	C038	FAS	CD40161BCJ
40161BFC	CMS	CTR	COUNTER,4BT BIN,SYN,ASYN RESET	FLP16	+15V	85C	-	-	C038	FAS	CD40161BMW
40161BFM	CMS	CTR	COUNTER,4BT BIN,SYN,ASYN RESET	FLP16	+15V	125	-	-	C038	FAS	CD40161BMW
40162B	CMS	CTR	COUNTER,DECADE,SYNC,SYNC RESET	DIL16P	+15V	85C	-	-	C038	VAR	CD40162BE
40162BDC	CMS	CTR	COUNTER,DECADE,SYNC,SYNC RESET	DIL16C	+15V	85C	-	-	C038	FAS	CD40162BCJ
40162BFC	CMS	CTR	COUNTER,DECADE,SYNC,SYNC RESET	FLP16	+15V	85C	-	-	C038	FAS	CD40162BMW
40162BFM	CMS	CTR	COUNTER,DECADE,SYNC,SYNC RESET	FLP16	+15V	125	-	-	C038	FAS	CD40162BMW
40163B	CMS	CTR	COUNTER,4BT BIN,SYNC,SYN RESET	DIL16P	+15V	85C	-	-	C038	VAR	CD40163BE
40163BDC	CMS	CTR	COUNTER,4BT BIN,SYNC,SYN RESET	DIL16C	+15V	85C	-	-	C038	FAS	CD40163BCJ
40163BFC	CMS	CTR	COUNTER,4BT BIN,SYNC,SYN RESET	FLP16	+15V	85C	-	-	C038	FAS	CD40163BMW
40163BFM	CMS	CTR	COUNTER,4BT BIN,SYNC,SYN RESET	FLP16	+15V	125	-	-	C038	FAS	CD40163BMW
40174B	CMS	FFD	FF/D, HEX	DIL16P	+15V	85C	-	-	F055	VAR	CD40174BE
40174BDC	CMS	FFD	FF/D, HEX	DIL16C	+15V	85C	-	-	F055	FAS	CD40174BCJ
40174BFC	CMS	FFD	FF/D, HEX	FLP16	+15V	85C	-	-	F055	FAS	CD40174BMW
40174BFM	CMS	FFD	FF/D, HEX	FLP16	+15V	125	-	-	F055	FAS	CD40174BMW
40175B	CMS	FFD	FF/D, QUAD	DIL16P	+15V	85C	-	-	F056	VAR	40175BPC
40175BDC	CMS	FFD	FF/D, QUAD	DIL16C	+15V	85C	-	-	F056	FAS	CD40175BCJ
40175BDM	CMS	FFD	FF/D, QUAD	DIL16C	+15V	125	-	-	F056	FAS	CD40175BMJ
40175BFC	CMS	FFD	FF/D, QUAD	FLP16	+15V	85C	-	-	F056	FAS	CD40175BMW
40175BFM	CMS	FFD	FF/D, QUAD	FLP16	+15V	125	-	-	F056	FAS	CD40175BMW
40175BPC	CMS	FFD	FF/D, QUAD	DIL16P	+15V	85C	-	-	F056	FAS	CD40175BCN
40181B	CMS	MLT	RATE MULTIPLIER,ALU, 4 BIT	DIL24P	+15V	85C	-	-	Z057	VAR	CD40181BE
40182B	CMS	MLT	RATE MULTIPLIER,ALU,LAHC BLOCK	DIL16P	+15V	85C	-	-	Z058	VAR	CD40182BE
40192B	CMS	CTR	COUNTER,BCD,UP/DWN,SYN,DUAL CK	DIL16P	+15V	85C	-	-	C039	VAR	CD40192BE
40192BDC	CMS	CTR	COUNTER,BCD,UP/DWN,SYN,DUAL CK	DIL16C	+15V	85C	-	-	C039	FAS	CD40192BCJ
40192BFC	CMS	CTR	COUNTER,BCD,UP/DWN,SYN,DUAL CK	FLP16	+15V	85C	-	-	C039	FAS	CD40192BMW

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
40192BFM	CMS	CTR	COUNTER,BCD,UP/DWN,SYN,DUAL CK	FLP16	+15V	125	-	-	C039	FAS	CD40192BMW
40193B	CMS	CTR	COUNTER,BIN,UP/DWN,SYN,DUAL CK	DIL16P	+15V	85C	-	-	C039	VAR	CD40193BE
40193BDC	CMS	CTR	COUNTER,BIN,UP/DWN,SYN,DUAL CK	DIL16C	+15V	85C	-	-	C039	FAS	CD40193BCJ
40193BFC	CMS	CTR	COUNTER,BIN,UP/DWN,SYN,DUAL CK	FLP16	+15V	85C	-	-	C039	FAS	CD40193BMW
40193BFM	CMS	CTR	COUNTER,BIN,UP/DWN,SYN,DUAL CK	FLP16	+15V	125	-	-	C039	FAS	CD40193BMW
40194B	CMS	SRG	SHIFT REG,4BT, BIDIRECTIONAL	DIL16P	+15V	85C	-	-	R055	VAR	40194BPC
40194BDC	CMS	SRG	SHIFT REG,4BT, BIDIRECTIONAL	DIL16C	+15V	85C	-	-	R055	FAS	HCF40194BF
40194BDM	CMS	SRG	SHIFT REG,4BT, BIDIRECTIONAL	DIL16C	+15V	125	-	-	R055	FAS	HCC40194BD
40194BFC	CMS	SRG	SHIFT REG,4BT, BIDIRECTIONAL	FLP16	+15V	85C	-	-	R055	FAS	HCF40194BK
40194BFM	CMS	SRG	SHIFT REG,4BT, BIDIRECTIONAL	FLP16	+15V	125	-	-	R055	FAS	HCC40194BK
40194BPC	CMS	SRG	SHIFT REG,4BT, BIDIRECTIONAL	DIL16P	+15V	85C	-	-	R055	FAS	HCF40194BE
40195B	CMS	SRG	SHIFT REG, 4 BIT, PAR ACCESS	DIL16P	+15V	85C	-	-	R014	VAR	40195BPC
40195BDC	CMS	SRG	SHIFT REG, 4 BIT, PAR ACCESS	DIL16C	+15V	85C	-	-	R014	FAS	CD40195BCJ
40195BDM	CMS	SRG	SHIFT REG, 4 BIT, PAR ACCESS	DIL16C	+15V	125	-	-	R014	RCA	CD40195BMJ
40195BFC	CMS	SRG	SHIFT REG, 4 BIT, PAR ACCESS	FLP16	+15V	85C	-	-	R014	FAS	CD40195BMW
40195BFM	CMS	SRG	SHIFT REG, 4 BIT, PAR ACCESS	FLP16	+15V	125	-	-	R014	FAS	CD40195BMW
40195BPC	CMS	SRG	SHIFT REG, 4 BIT, PAR ACCESS	DIL16P	+15V	85C	-	-	R014	FAS	CD40195BCN
40208B	CMS	REG	REGISTER,MULTIPORT,4X4 RW RAM	DIL24P	+15V	85C	-	-	R054	VAR	CD40208BE
40257B	CMS	MUX	MUX/DATA SELECTOR,2-1 LN, QUAD	DIL16P	+15V	85C	-	-	M027	VAR	CD40257BE
40272DC	MOS	RAM	RAM, 4K=4096X1, DYNAMIC	DIL16C	-	85C	-	150MXNS	Z999	FAS	-
40272PC	MOS	RAM	RAM, 4K=4096X1, DYNAMIC	DIL16P	-	85C	-	150MXNS	Z999	FAS	-
40273DC	MOS	RAM	RAM, 4K=4096X1, DYNAMIC	DIL16C	-	85C	-	200MXNS	Z999	FAS	-
40273PC	MOS	RAM	RAM, 4K=4096X1, DYNAMIC	DIL16P	-	85C	-	200MXNS	Z999	FAS	-
40274DC	MOS	RAM	RAM, 4K=4096X1, DYNAMIC	DIL16C	-	85C	-	250MXNS	Z999	FAS	-
40274PC	MOS	RAM	RAM, 4K=4096X1, DYNAMIC	DIL16P	-	85C	-	250MXNS	Z999	FAS	-
40275DC	MOS	RAM	RAM, 4K=4096X1, DYNAMIC	DIL16C	-	85C	-	300MXNS	Z999	FAS	-
40275PC	MOS	RAM	RAM, 4K=4096X1, DYNAMIC	DIL16P	-	85C	-	300MXNS	Z999	FAS	-
41000	CMS	MIC	MICROCOMPUTER, 1-CHIP	DIL28P	+5V	85C	-	-	Z999	MOT	MC41000P
41099	CMS	MIC	MPU, SINGLE CHIP	DIL48C	+5V	85C	-	-	Z999	MOT	MC141099P
41200	CMS	MIC	MICROCOMPUTER, SINGLE CHIP	DIL40P	+5V	85C	-	-	Z999	MOT	MC14200P
42100	CMS	SWT	SWITCH, CROSSPOINT, 4X4	DIL16P	+15V	85C	-	-	Z999	MOT	MC142100P
44100	CMS	DSP	REGISTER,32BT,+4DIG+DISPL DRVR	DIL24P	-	85C	-	-	Z999	MOT	MC144100P
44102P	CMS	MEM	MEMORY,TUNING,STATIC, 16X16BT	DIL8P	-	85C	-	-	Z999	MOT	MCM144102P
44110	CMS	DAC	D/A CONVERTER, HEX	DIL18P	-	85C	-	-	Z999	MOT	MC144110P
44111	CMS	DAC	D/A CONVERTER, QUAD	DIL14P	-	85C	-	-	Z999	MOT	MC144111P
45100 SERIES	CMS	VAR	CONTINUATION OF 4500 SERIES	-	VAR	VAR	-	-	-	MOT	MC145100 SER.
45100	CMS	SWT	SWITCH, CROSSPOINT, 4X4	DIL16P	+15V	85C	-	-	Z999	MOT	MC145100P
45101	CMS	MEM	RAM, 1K=256X4BT,STATIC	DIL22P	+5V	85C	-	-	Z999	VAR	MCM145101P
45104	CMS	PLL	PLL, FREQUENCY SYNTESISER	DIL16P	+10V	85C	-	-	Z999	VAR	MC145104P
45106	CMS	PLL	PLL FREQUENCY SYNTHESISER	DIL18P	+10V	85C	-	-	Z999	VAR	MC145106
45107	CMS	PLL	PLL FREQUENCY SYNTHESISER	DIL16P	+10V	85C	-	-	Z999	VAR	MC145107P
45109	CMS	PLL	PLL, FREQUENCY SYNTHESISER	DIL16P	+10V	85C	-	-	Z999	VAR	MC145109P
45112	CMS	PLL	PLL, FREQUENCY SYNTHESISER	DIL18P	+10V	85C	-	-	Z999	VAR	MC145112P
46500 SERIES	CMS	MEM	SHORT FORM FOR MCM146500 SER	-	-	85C	-	-	-	MOT	MCM146500 SER
46504	CMS	MEM	RAM, 4K=4096X1, STATIC, 3S	DIL18P	+5V	85C	-	-	Z999	MOT	MCM146504P
46508	CMS	MEM	RAM, 1K=1024X1BT, STATIC	DIL16P	+5V	85C	-	-	Z999	MOT	MCM146508P
46518	CMS	MEM	RAM, 1K=1024X1, STATIC	DIL18P	+5V	85C	-	-	Z999	MOT	MCM146518L
46818	CMS	XXX	REAL TIME CLOCK/RAM	DIL22P	+5V	85C	-	-	Z999	MOT	MC146818L
46819	CMS	XXX	REAL TIME CLOCK/RAM	DIL28P	+5V	85C	-	-	Z999	MOT	MCM146819
46805	CMS	XXX	MICROCOMPUTER, SINGLE CHIP	DIL40P	-	85C	-	-	Z999	MOT	MCM146805
49700 SERIES	TTL	-	SIEMENS VERSN OF TL49700N SER	DIL--P	+5V	70C	-	-	-	SIE	TL49700N SER
49800 SERIES	TTL	-	SIEMENS VERSN OF TL49800 SER	DIL--P	+5V	85C	-	-	-	SIE	TL49800N SER
55000 SERIES	TTL	VAR	FAIRCHILD VRSN SN55000 SERIES	-	+5V	125	-	-	-	FAS	SN55000 SER
		1ST	SUFFIX D=DIC, F=FLP	2ND SU	FFIX.	M=	MIL				
55000 SERIES	TTL	VAR	GENERIC NOS FOR SN55000 SERIES	-	+5V	125	-	-	-	TII	SN55000 SER
74100	TTL	LCH	DUAL QUAD LATCH	DIL24P	+5V	70C	-	-	L016	VAR	SN74100N
74104	TTL	FFJ	GATED JK FLIP FLOP PRESET+CLR	DIL14P	+5V	70C	-	-	F032	VAR	SN74104N
74105	TTL	FFJ	GATED JK FLIP FLOP PRESET+CLR	DIL14P	+5V	70C	-	-	F033	VAR	SN74105N
74107	TTL	FFJ	DUAL JK FLIP FLOP WITH CLEAR	DIL14P	+5V	70C	-	-	F019	VAR	SN74107N
74107FC	TTL	FFJ	FF/JK, M-S, SER R/CK, DUAL	FLP14	+5V	70C	40MA	15MXMHZ	F019	FAS	S54107W
74109	TTL	FFJ	DUAL JK FLIP FLOP PRESET+CLEAR	DIL16P	+5V	70C	-	-	F021	VAR	SN74109N
74110	TTL	FFJ	JK FLIP FLIP-FLOP DATA LOCKOUT	DIL14P	+5V	70C	-	-	F005	VAR	SN74110N
74111	TTL	FFJ	DUAL JK FLIP FLOP DATA LOCKOUT	DIL16P	+5V	70C	-	-	F045	VAR	SN74111N
74112	TTL	FFJ	DUAL JK FLIP FLOP PRESET+CLEAR	DIL16P	+5V	70C	-	-	F022	VAR	SN74LS112N
74116	TTL	LCH	DUAL QUAD LATCH WITH ENABL+CLR	DIL16P	+5V	70C	-	-	L011	VAR	SN74116
74118	TTL	LCH	HEX S-R LATCH	DIL16P	+5V	70C	-	-	F047	VAR	SN74118N
74119	TTL	LCH	HEX S-R LATCH	DIL24P	+5V	70C	-	-	F048	VAR	SN74119N
74120	TTL	XXX	DUAL PULSE SYNCHRONIZER	DIL16P	+5V	70C	-	-	Z029	VAR	SN74120N
74121	TTL	MON	MONOSTABLE MULTIVIBRATOR	DIL14P	+5V	70C	-	-	U001	VAR	SN74121N
74122	TTL	MON	MONOSTABLE MULTIVIBRATOR	DIL14P	+5V	70C	-	-	U002	VAR	SN74122N
74122F	TTL	MON	MONOSTABLE MULTI,RETRIG,WITH R	FLP14	+5V	70C	28MA	-	U002	FAS	S[illegible]122W
74123	TTL	MON	DUAL MONOSTABLE MULTI RETRIGG.	DIL16P	+5V	70C	-	-	U003	VAR	SN74123N
74125	TTI	BUF	QUAD 3-STATE BUFFER	DIL14P	+5V	70C	-	-	B002	VAR	SN74125N
74125FC	TTL	LND	LINE DRIVER, 3S OP,LO EN, QUAD	FLP14	+5V	70C	54MA	18MXNS	B002	FAS	S54125W
74126	TTL	BUF	QUAD 3-STATE BUFFER	DIL14P	+5V	70C	-	-	B003	VAR	SN74126N

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
74126FC	TTL	LND	LINE DRIVER, 3S OP,HI EN, QUAD	FLP14	+5V	70C	62MA	18MXNS	B003	FAS	S54126W
74128	TTL	LND	QUAD 2-INPUT NOR LINE DRIVER	DIL14P	+5V	70C	-	-	Q001	VAR	SN74128N
74132	TTL	NAN	QUAD 2-INPUT NAND SCHMITT	DIL14P	+5V	70C	-	-	N001	VAR	SN74132N
74136	TTL	XOR	QUAD EXCLUSIVE OR O/C O/P	DIL14P	+5V	70C	-	-	X001	VAR	SN74LS136
74141	TTL	DCD	BCD-DECIMAL DECODER/DRIVER O/C	DIL16P	+5V	70C	-	-	D008	VAR	SN74141N
74142	TTL	DCD	COUNTER LATCH DECODR/DRIVER OC	DIL16P	+5V	70C	-	-	D019	VAR	SN74142N
74143	TTL	DCD	COUNTER LATCH 7SGMT DECDR/DRVR	DIL24P	+5V	70C	-	-	D020	VAR	SN74143N
74144	TTL	DCD	COUNTER LATCH 7SGMT DECDR/DRVR	DIL24P	+5V	70C	-	-	D020	VAR	SN74144N
74145	TTL	DCD	BCD DECIMAL DECDR/DRVR O/C 15V	DIL16P	+5V	70C	-	-	D001	VAR	SN74145N
74147	TTL	ENC	10-TO-4 LINE PRIORITY ENCODER	DIL16P	+5V	70C	-	-	M017	VAR	SN74147N
74148	TTL	ENC	8-TO-3 LINE PRIORITY ENCODER	DIL16P	+5V	70C	-	-	M015	VAR	SN74148N
74150	TTL	SEL	16 BIT DATA SELECTOR	DIL24P	+5V	70C	-	-	M001	VAR	SN74150N
74151	TTL	SEL	8 BIT DATA SELECTOR	DIL16P	+5V	70C	-	-	M002	VAR	N74151B
74151A	TTL	SEL	8 BIT DATA SELECTOR	DIL16P	+5V	70C	-	-	M002	VAR	SN74151AN
74151AFC	TTL	MUX	MUX/DATA SELECTOR, 8-TO-1 LINE	FLP16	+5V	70C	48MA	35MXNS	M002	FAS	S54151W
74152	TTL	SEL	8 BIT DATA SELECTOR	DIL14P	+5V	70C	-	-	M003	VAR	MC74152P
74152A	TTL	SEL	8 BIT DATA SELECTOR	DIL14P	+5V	70C	-	-	M003	VAR	-
74152AFC	TTL	MUX	MUX/DATA SELECTOR,14 PIN 74151	FLP14	+5V	70C	43MA	38MXNS	M003	FAS	S54152W
74153	TTL	SEL	DUAL 4-TO-1 LINE SELECTOR	DIL16P	+5V	70C	-	-	M004	VAR	SN74153N
74154	TTL	DCD	4-TO-16 LINE DECODER	DIL24P	+5V	70C	-	-	D009	VAR	SN74154N
74155	TTL	DCD	DUAL 2-TO-4 LINE DECODER	DIL16P	+5V	70C	-	-	D010	VAR	SN74155N
74156	TTL	DCD	DUAL 2-TO-4 LINE DECODER O/C	DIL16P	+5V	70C	-	-	D010	VAR	SN74156N
74157	TTL	SEL	QUAD 2-TO-1 LINE SELECTOR	DIL16P	+5V	70C	-	-	M005	VAR	SN74157N
74158	TTL	SEL	QUAD 2-TO-1 LN SELECTOR INV	DIL16P	+5V	70C	-	-	M006	VAR	N74158B
74159	TTL	DCD	4-TO-16 LINE DECODER O/C O/P	DIL24P	+5V	70C	-	-	D021	VAR	SN74159N
74160	TTL	CTR	SYNCHRONOUS DECADE COUNTER	DIL16P	+5V	70C	-	-	C004	VAR	SN74160N
74160A	TTL	CTR	SYNCHRONOUS DECADE COUNTER	DIL16P	+5V	70C	-	-	C004	VAR	DM74160AN
74160FC	TTL	CTR	COUNTER,DEC,4 BIT, SYNC,DRCT R	FLP16	+5V	70C	101MA	25MXMHZ	C004	FAS	S54160W
74161A	TTL	CTR	SYNCHRONOUS BINARY COUNTER 4BT	DIL16P	+5V	70C	-	-	C004	VAR	DM74161AN
74162	TTL	CTR	SYNCHRONOUS DECADE COUNTER	DIL16P	+5V	70C	-	-	C005	VAR	SN74162N
74162A	TTL	CTR	SYNCHRONOUS DECADE COUNTER	DIL16P	+5V	70C	-	-	C004	VAR	DM74162AN
74162FC	TTL	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	FLP16	+5V	70C	101MA	25MXMHZ	C005	FAS	S54162W
74163	TTL	CTR	SYNCHRONOUS BINARY COUNTER 4BT	DIL16P	+5V	70C	-	-	C005	VAR	SN74163N
74163A	TTL	CTR	SYNCHRONOUS BINARY COUNTER 4BT	DIL16P	+5V	70C	-	-	C005	VAR	DM74163AN
74163FC	TTL	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	FLP16	+5V	70C	101MA	25MXMHZ	C005	FAS	DM74163AW
74164	TTL	SRG	8-BIT SHIFT REGISTER SIPO	DIL14P	+5V	70C	-	-	R006	VAR	SN74164N
74164FC	TTL	SRG	SHIFT REGISTER, 8 BIT, SIPO	FLP14	+5V	70C	54MA	25MXMHZ	R006	FAS	-
74165	TTL	SRG	8-BIT SHIFT REGISTER PISO	DIL16P	+5V	70C	-	-	R007	VAR	SN74165N
74166	TTL	SRG	8-BIT SHIFT REGISTER PISO	DIL16P	+5V	70C	-	-	R008	VAR	SN74166N
74167	TTL	MLT	4-BIT DECADE RATE MULTIPLIER	DIL16P	+5V	70C	-	-	Z008	VAR	SN74167N
74167FC	TTL	MLT	RATE MULTIPLIER,4 BIT,DEC,SYNC	FLP16	+5V	70C	99MA	25MXMHZ	Z008	FAS	-
74170	TTL	REG	4X4 REGISTER FILE O/C O/P	DIL16P	+5V	70C	-	-	R009	VAR	SN74170N
74170FC	TTL	MEM	RAM, SIM READ/WRITE,4X4 BIT,OC	FLP16	+5V	70C	150MA	45MXNS	R009	FAS	SN54170W
74172	TTL	REG	16BIT QUADRIPORT REGR FILE 3S	DIL24P	+5V	70C	-	-	R037	VAR	SN74172N
74173	TTL	LCH	QUAD 3-STATE LATCH	DIL16P	+5V	70C	-	-	R010	VAR	SN74173N
74173FC	TTL	FFD	FF/D,LATCH,BUFF REG,4 BT,3S OP	FLP16	+5V	70C	72MA	25MXMHZ	R010	FAS	-
74174	TTL	FFD	HEX D-TYPE FLIP-FLOP WITH CLR	DIL16P	+5V	70C	-	-	F025	VAR	SN74174N
74174FC	TTL	FFD	FF/D, EDGE TRIG,COMM R/CK, HEX	FLP16	+5V	70C	65MA	25MXMHZ	F025	FAS	DM74174W
74175	TTL	FFD	QUAD D-TYPE FLIP-FLOP COMM CLR	DIL16P	+5V	70C	-	-	F026	VAR	SN74175N
74175FC	TTL	FFD	FF/D, ET,COM R/CK,COMP OP,QUAD	FLP16	+5V	70C	45MA	25MXMHZ	F026	FAS	S74175W
74176	TTL	CTR	DECADE (2X5) COUNTER (=N8280)	DIL14P	+5V	70C	-	-	C007	VAR	SN74176N
74176FC	TTL	CTR	COUNTER,DEC,2X5 DIV,PROG,LATCH	FLP14	+5V	70C	48MA	35MXMHZ	C007	FAS	-
74177	TTL	CTR	4-BIT BINARY COUNTER (=N8281)	DIL14P	+5V	70C	-	-	C007	VAR	SN74177N
74177FC	TTL	CTR	COUNTER,HEX,2X8 DIV,PROG,LATCH	FLP14	+5V	70C	48MA	35MXMHZ	C007	FAS	-
74178	TTL	SRG	4-BIT SHIFT REG PIPO (=N8270)	DIL14P	+5V	70C	-	-	R011	VAR	SN74178N
74178FC	TTL	SRG	SHIFT REG, L/R,4 BIT,1 OP,PIPO	FLP14	+5V	70C	75MA	25MXMHZ	R011	FAS	-
74179	TTL	SRG	4-BIT SHIFT REG PIPO (=N8271)	DIL16P	+5V	70C	-	-	R012	VAR	SN74179N
74179FC	TTL	SRG	SHIFT REG,L/R,4 BT,CMP OP,PIPO	FLP16	+5V	70C	75MA	25MXMHZ	R012	FAS	-
74180	TTL	PAR	8-BIT PARITY GENERATOR CHECKER	DIL14P	+5V	70C	-	-	Z009	VAR	SN74180N
74181	TTL	ALU	4 BIT ARITHMETIC LOGIC UNIT	DIL24P	+5V	70C	-	-	Z010	VAR	SN74181N
74182	TTL	LAC	CARRY-LOOK-AHEAD UNIT	DIL16P	+5V	70C	-	-	Z018	VAR	SN74182N
74184	TTL	CVR	BCD TO BINARY CONVERTER OC O/P	DIL16P	+5V	70C	-	-	K001	VAR	SN74184N
74185	TTL	CVR	BINARY-TO-BCD CONVERTER OC O/P	DIL16P	+5V	70C	-	-	K001	VAR	SN74185AN
74185A	TTL	CVR	BINARY-TO-BCD CONVERTER OC O/P	DIL16P	+5V	70C	-	-	K001	VAR	SN74185AN
74186	TTL	MEM	512=64X8 BIT PROM O/C O/P	DIL24P	+5V	70C	-	-	S005	VAR	SN74186N
74188	TTL	MEM	256=32X8 BIT PROM O/C O/P	DIL16P	+5V	70C	-	-	S007	VAR	SN74188AN
74188A	TTL	MEM	256=32X8 BIT PROM O/C O/P	DIL16P	+5V	70C	-	-	S007	VAR	SN74S188AN
74190	TTL	CTR	REVERSIBLE DECADE COUNTER O/C	DIL16P	+5V	70C	-	-	C008	VAR	SN74190N
74191	TTL	CTR	REVERSIBLE BINARY COUNTER 4BIT	DIL16P	+5V	70C	-	-	C008	VAR	SN74191N
74192	TTL	CTR	REVERSIBLE DECADE COUNTER	DIL16P	+5V	70C	-	-	C009	VAR	SN74192N
74193	TTL	CTR	REVERSIBLE BINARY COUNTER 4BIT	DIL16P	+5V	70C	-	-	C009	VAR	SN74193N
74194	TTL	SRG	4 BIT SHIFT REGISTER PIPO	DIL16P	+5V	70C	-	-	R013	VAR	SN74194N
74195	TTL	SRG	4-BIT SHIFT REGISTER PIPO	DIL16P	+5V	70C	-	-	R014	VAR	SN74195N
74196	TTL	CTR	DECADE COUNTER (N8290)	DIL14P	+5V	70C	-	-	C010	VAR	SN74196N
74196FC	TTL	CTR	COUNTER,DEC,BCD/BIQUIN,RIPPLE	FLP14	+5V	70C	59MA	50MXMHZ	C010	FAS	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
74197	TTL	CTR	4-BIT BINARY COUNTER (N8291)	DIL14P	+5V	70C	-	-	C010	VAR	SN74197N
74197FC	TTL	CTR	COUNTER,HEXADEC,4 BIT, RIPPLE	FLP14	+5V	70C	59MA	50MXMHZ	C010	FAS	SN54LS197W
74198	TTL	SRG	8-BIT SHIFT REGISTER PIPO	DIL24P	+5V	70C	-	-	R015	VAR	SN74198N
74199	TTL	SRG	8-BIT SHIFT REGISTER PIPO	DIL24P	+5V	70C	-	-	R016	VAR	SN74199N
74221	TTL	MON	DUAL MONOSTABLE	DIL16P	+5V	70C	-	-	U003	VAR	SN74221N
74246	TTL	DCD	BCD-7SEGMENT DECODER O/C O/P	DIL16P	+5V	70C	-	-	D018	VAR	SN74246N
74247	TTL	DCD	BCD-7SEGMENT DECODER 30V OC OP	DIL16P	+5V	70C	-	-	D018	VAR	SN74247N
74248	TTL	DCD	BCD-7SEGMENT DECODER	DIL16P	+5V	70C	-	-	D011	VAR	SN74248N
74249	TTL	DCD	BCD-7SEGMENT DECODER O/C O/P	DIL16P	+5V	70C	-	-	D011	VAR	SN74249N
74251	TTL	SEL	8 INPUT SELECTOR 3 STATE	DIL16P	+5V	70C	-	-	M007	VAR	SN74251N
74259	TTL	LCH	8-BIT ADDRESSABLE LATCH	DIL16P	+5V	70C	-	-	L004	VAR	SN74259N
74265	TTL	DEL	QUAD SYMMETRICAL DELAY GATE	DIL16P	+5V	70C	-	-	N019	VAR	SN74265N
74273	TTL	FFD	OCTAL D-TYPE FLIP-FLOP WTH CLR	DIL20P	+5V	70C	-	-	R017	VAR	SN74273N
74276	TTL	FFJ	QUAD JK FLIP-FLOP	DIL20P	+5V	70C	-	-	F049	VAR	SN74276N
74278	TTL	REG	4-BIT PRIORITY REGISTER	DIL14P	+5V	70C	-	-	R038	VAR	SN74278N
74279	TTL	LCH	QUAD S-R LATCH	DIL16P	+5V	70C	-	-	L005	VAR	SN74279N
74279FC	TTL	FFR	FF/RS, LATCH, QUAD	FLP16	+5V	70C	30MA	27MXNS	L005	FAS	S54279W
74283	TTL	ADD	4-BIT FULL ADDER	DIL16P	+5V	70C	-	-	Z013	VAR	SN74283N
74283FC	TTL	ADD	ADDER FULL,4 BT BIN,FAST CARRY	FLP16	+5V	70C	110MA	24MXNS	Z013	FAS	S54LS283W
74284	TTL	MLT	4X4 MULTIPLIER O/C O/P	DIL16P	+5V	70C	-	-	Z036	VAR	SN74284N
74285	TTL	MLT	4X4 MULTIPLIER O/C O/P	DIL16P	+5V	70C	-	-	Z037	VAR	SN74285N
74290	TTL	CTR	DECADE (2X5) COUNTER	DIL14P	+5V	70C	-	-	C011	VAR	SN74290N
74290FC	TTL	CTR	COUNTER,DECADE,2X5 DIV, RIPPLE	FLP14	+5V	70C	42MA	16MXMHZ	C011	FAS	S54L290W
74293	TTL	CTR	4-BIT BINARY COUNTER (2X8 DIV)	DIL14P	+5V	70C	-	-	C012	VAR	SN74293N
74293FC	TTL	CTR	COUNTER,4 BIT,2X8 DIV, RIPPLE	FLP14	+5V	70C	39MA	16MXMHZ	C012	FAS	S54LS293W
74297	TTL	PLL	DIGITAL PHASE LOCKED LOOP	DIL16P	+5V	70C	-	-	-	VAR	SN74LS297N
74298	TTL	MUX	QUAD 2-IP MULTIPLEXER STORAGE	DIL16P	+5V	70C	-	-	R019	VAR	SN74298N
74298FC	TTL	MUX	MUX,2 IP,LATCH,INV CLOCK, QUAD	FLP16	+5V	70C	65MA	32MXNS	R019	FAS	S54298W
74351	TTL	SEL	DUAL DATA SELECTOR/MUX 3 STATE	DIL20P	+5V	70C	-	-	M020	VAR	SN74351N
74365	TTL	LND	HEX BUS DRIVER 3 STATE	DIL16P	+5V	70C	-	-	B007	VAR	SN74365N
74365A	TTL	LND	HEX BUS DRIVER 3 STATE	DIL16P	+5V	70C	-	-	B007	VAR	SN74365AN
74366	TTL	LND	HEX INVERTER BUS DRIVER 3S	DIL16P	+5V	70C	-	-	B008	VAR	DM74366N
74366A	TTL	LND	HEX INVERTER BUS DRIVER 3S	DIL16P	+5V	70C	-	-	B008	VAR	SN74366AN
74367	TTL	LND	HEX BUS DRIVER 3 STATE	DIL16P	+5V	70C	-	-	B014	VAR	SN74367N
74367A	TTL	LND	HEX BUS DRIVER 3 STATE	DIL16P	+5V	70C	-	-	B014	VAR	SN74367AN
74368	TTL	LND	HEX INVERTER BUS DRIVER 3S OP	DIL16P	+5V	70C	-	-	B009	VAR	SN74368N
74368A	TTL	LND	HEX INVERTER BUS DRIVER 3S OP	DIL16P	+5V	70C	-	-	B009	VAR	SN74368AN
74376	TTL	FFJ	QUAD JK FLIP-FLOP	DIL16P	+5V	70C	-	-	F050	VAR	SN74376N
74390	TTL	CTR	DUAL DECADE COUNTER	DIL16P	+5V	70C	-	-	C013	VAR	SN74390N
74393	TTL	CTR	DUAL 4-BIT BINARY COUNTER	DIL14P	+5V	70C	-	-	C014	VAR	SN74393N
74425	TTL	LND	QUAD LINE DRVRS 3S ACT LO ENAB	DIL14P	+5V	70C	-	-	B002	VAR	SN74425N
74426	TTL	LND	QUAD LINE DRVRS 3S ACT HI ENAB	DIL14P	+5V	70C	-	-	B003	VAR	SN74426N
74490	TTL	CTR	DUAL 4-BIT DECADE COUNTER	DIL16P	+5V	70C	-	-	C015	VAR	SN74490N
75000 SERIES	TTL	VAR	FAIRCHILD VRSN SN75000 SERIES	-	+5V	70C	-	-	-	FAS	SN75000 SER
		1ST	SUFFIX D=DIC, P=DIP, F=FLP	2ND SU	FFIX	C=	COMM	-			
75000 SERIES	TTL	VAR	GENERIC NOS FOR SN75000 SERIES	-	+5V	70C	-	-	-	TII	SN75000 SER
75107	TTL	LND	LINE RECEIVER, DUAL	14LEAD	-	70C	-	-	Z999	TII	SN75107
75108	TTL	RCV	LINE RECEIVERS, OC OP, DUAL	14LEAD	-	70C	-	-	-	TII	SN75108
75109	TTL	LND	LINE DRIVER, 6MA 3S OP, DUAL	14LEAD	-	70C	-	-	-	TII	SN75109
75110	TTL	LND	LINE DRIVER, 12MA 3S OP, DUAL	14LEAD	-	70C	-	-	-	TII	SN75110
75112	TTL	LND	LINE DRIVER, 27MA 3S OP, DUAL	14LEAD	-	70C	-	-	-	TII	SN75112
75113	TTL	LND	LINE DRIVER, DIFF.,3S OP, DUAL	16LEAD	-	70C	-	-	-	TII	SN75113
75114	TTL	LND	LINE DRIVER, DIFF.,3S OP, DUAL	16LEAD	-	70C	-	-	-	TII	SN75114
75115	TTL	RCV	LINE RCVR, DIFFERENTIAL, DUAL	16LEAD	-	70C	-	-	-	TII	SN75115
75116	TTL	TRX	TRANSCEIVER, DIFF ,3S OP, DUAL	16LEAD	-	70C	-	-	-	TII	SN75116
75117	TTL	TRX	TRANSCEIVER, DIFF , 3S OP,DUAL	8 LEAD	-	70C	-	-	-	TII	SN75117
75121	TTL	LND	LINE DRIVER,S/C PROTECTED,DUAL	16LEAD	-	70C	-	-	-	TII	SN75121
75122	TTL	RCV	LINE RCVR, HYSTERESIS, TRIPLE	16LEAD	-	70C	-	-	-	TII	SN75122
75123	TTL	LND	LINE DRIVER, IBM360, DUAL	16LEAD	-	70C	-	-	-	TII	SN75123
75124	TTL	RCV	LINE RECVR, HYSTERESIS, TRIPLE	16LEAD	-	70C	-	-	-	TII	SN75124
75125	STL	RCV	LINE RECEIVER, 7-CHANN, PACK 1	16LEAD	-	70C	-	-	-	TII	SN75125
75127	TTL	RCV	LINE RECEIVER, 7-CHANN, PACK 2	16LEAD	-	70C	-	-	-	TII	SN75127
75128	TTL	RCV	LINE RCVR, 8-CHANN,ACT HI STRB	20LEAD	-	70C	-	-	-	TII	SN75128
75129	TTL	RCV	LINE RCVR, 8-CHANN,ACT LO STRB	20LEAD	-	70C	-	-	-	TII	SN75129
75138	TTL	TRX	TRANSCEIVER, BUS, QUAD	16LEAD	-	70C	-	-	-	TII	SN75138
75140	TTL	RCV	LINE RECEIVER, REF VOLT ,DUAL	8 LEAD	-	70C	-	-	-	TII	SN75140
75142	TTL	RCV	LINE RECEIVER, DUAL	14LEAD	-	70C	-		-	TII	SN75142
75150	TTL	LND	LINE DRIVER, RS232C, DUAL	14/8LD	-	70C	-		-	TII	SN75150
75152	TTL	RCV	LINE RECVR, RS232C,,MODEM,DUAL	16LEAD	-	70C	-		-	TII	SN75152
75154	TTL	RCV	LINE RECVR, RS232C,MODEM, QUAD	16LEAD	-	70C	-	-	-	TII	SN75150
75158	TTL	LND	LINE DRIVER,DIFFERENTIAL, DUAL	-	-	70C	-	-	-	TII	SN75158
75180	TTL	LSH	LEVEL SHIFT,TTL-MOS, DUAL	TO5/10	-	70C	-	-	-	TII	SN75180
75182	TTL	RCV	LINE RECVR, DIFFERENTIAL, DUAL	14LEAD	-	70C	-	-	-	TII	SN75182
75183	TTL	LND	LINE DRIVER, DIFF, DUAL	14LEAD	-	70C	-	-	-	TII	SN75183
75188	TTL	LND	LINE DRIVER, RS232C, QUAD	14LEAD	-	70C	-	-	-	TII	SN75188

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAK ER	SUBSTITUTE
75189	TTL	RCV	LINE RECEIVER, RS232C, QUAD	14LEAD	-	70C	-	-	-	TII	SN75189
75207	TTL	XXX	SENSE AMP, MOS MEMORY, DUAL	14LEAD	-	70C	-	-	-	TII	SN75207
75208	TTL	XXX	SENSE AMP, MOS MEMORY,OC, DUAL	14LEAD	-	70C	-	-	-	TII	SN75208
75236	TTL	XXX	SENSE AMP/DATA REGISTER, DUAL	24LEAD	-	70C	-	-	-	TII	SN75236
75237	TTL	XXX	SENSE AMP/DATA REGISTER, DUAL	24LEAD	-	70C	-	-	-	TII	SN75237
75244	TTL	XXX	SENSE AMP, AC-COUPLED, 4 CHANN	16LEAD	-	70C	-	-	-	T I	SN75244
75270	TTL	LSH	LEVEL SHIFT, MOS-TO-TTL, 7 OFF	16LEAD	-	70C	-	-	-	TII	SN75270
75322	TTL	DVR	DRIVER,TTL-MOS, DUAL	-	-	70C	-	-	-	TII	SN75322
75324	TTL	DVR	MEMORY DRIVER, DECODE IPS,	-	-	70C	-	-	-	TII	SN75324
75325	TTL	DVR	DRIVER,MEMORY,SINK-SOURCE,DUAL	16LEAD	-	70C	-	-	-	TII	SN75325
75326	TTL	DVR	DRIVER,MEMORY,SINK, QUAD	16LEAD	-	70C	-	-	-	TII	SN75326
75327	TTL	DVR	DRIVER,MEMORY,SOURCE, QUAD	16LEAD	-	70C	-	-	-	TII	SN75327
75361A	TTL	DVR	DRIVER,TTL MOS, DUAL	14/8LD	-	70C	-	-	-	TII	SN75361A
75362	TTL	DVR	DRIVER, TTL-TO-MOS, DUAL	8 LEAD	-	70C	-	-	-	TII	SN75362
75363	TTL	DVR	DRIVER, TTL-TO-MOS DUAL	-	-	70C	-	-	-	TII	SN75363
75364	TTL	DVR	DRIVER, MOS, DUAL	8 LEAD	-	70C	-	-	-	TII	SN75364
75365	TTL	DVR	DRIVER,RAM,TTL TO MOS, QUAD	16LEAD	-	70C	-	-	-	TII	SN75365
75366	TTL	DVR	DRIVER,RAM,TTL TO MOS QUAD	-	-	70C	-	-	-	TII	SN75366
75368	TTL	DVR	DRIVER,ECL-TO-MOS OR TTL DUAL	-	-	70C	-	-	-	TII	SN75368
75370	TTL	DVR	DRIVER,MEM, MOS,DUAL CHANNEL	16LEAD	-	70C	-	-	-	TII	SN75370
75401	TTL	DVR	DRIVER, 30V,500MA	-	-	70C	-	-	-	TII	SN75401
75402	TTL	DVR	DRIVER,30V,500MA	-	-	70C	-	-	-	TII	SN75402
75403	TTL	DVR	DRIVER,30V,500MA	-	-	70C	-	-	-	TII	SN75403
75404	TTL	DVR	DRIVER,30V,500MA	-	-	70C	-	-	-	TII	SN75404
75411	TTL	DVR	DRIVER,55V,500MA	-	-	70C	-	-	-	TII	SN75411
75412	TTL	DVR	DRIVER,55V,500MA	-	-	70C	-	-	-	TII	SN75412
75413	TTL	DVR	DRIVER,55V,500MA	-	-	70C	-	-	-	TII	SN75413
75414	TTL	DVR	DRIVER,55V,500MA	-	-	70C	-	-	-	TII	SN75414
75416	TTL	DVR	DRIVER,PERIPHERAL,OP CLMP DIOD	-	-	70C	-	-	-	TII	SN75416
75417	TTL	DVR	DRIVER,PERIPHERAL,OP CLMP DIOD	-	-	70C	-	-	-	TII	SN75417
75418	TTL	DVR	DRIVER,PERIPHERAL,OP CLMP DIOD	-	-	70C	-	-	-	TII	SN75418
75419	TTL	DVR	DRIVER,PERIPHERAL,OP CLMP DIOD	-	-	70C	-	-	-	TII	SN75419
75426	TTL	DSP	DISPLAY DRIVER,PLASMA	-	-	70C	-	-	-	TII	SN75426
75427	TTL	DSP	DISPLAY DRIVER,PLASMA	-	-	70C	-	-	-	TII	SN75427
75441	TTL	DVR	DRIVER,ECL-TO-TTL/MOS, DUAL	-	-	70C	-	-	-	TII	SN75441
75450B	TTL	DVR	DRIVER,20V,300MA, +VE AND,DUAL	14LEAD	-	70C	-	-	-	TII	SN75450B
75451B	TTL	DVR	DRIVER,20V,300MA, +VE AND,DUAL	8 LEAD	-	70C	-	-	-	TII	SN75451B
75452B	TTL	DVR	DRIVER,20V,300MA, +VE AND,DUAL	8 LEAD	-	70C	-	-	-	TII	SN75452B
75453B	TTL	DVR	DRIVER,20V,300MA, +VE OR, DUAL	8 LEAD	-	70C	-	-	-	TII	SN75453B
75454B	TTL	DVR	DRIVER,20V,300MA, +VE NOR,DUAL	8 LEAD	-	70C	-	-	-	TII	SN75454B
75460	TTL	DVR	DRIVER,30V,300MA, +VE AND,DUAL	14LEAD	-	70C	-	-	-	TII	SN75460
75461	TTL	DVR	DRIVER,30V,300MA, +VE AND,QUAD	8 LEAD	-	70C	-	-	-	TII	SN75461
75462	TTL	DVR	DRIVER,30V,300MA	8 LEAD	-	70C	-	-	-	TII	SN75462
75463	TTL	DVR	DRIVER,30V,300MA, +VE OR, DUAL	8 LEAD	-	70C	-	-	-	TII	SN75463
75464	TTL	DVR	DRIVER,30V,300MA, +VE NOR,DUAL	8 LEAD	-	70C	-	-	-	TII	SN75464
75470	TTL	DVR	DRIVER,40V,300MA	-	-	70C	-	-	-	TII	SN75470
75471	TTL	DVR	DRIVER,40V,300MA	-	-	70C	-	-	-	TII	SN75471
75472	TTL	DVR	DRIVER,40V,300MA	-	-	70C	-	-	-	TII	SN75472
75473	TTL	DVR	DRIVER,40V,300MA	-	-	70C	-	-	-	TII	SN75473
75474	TTL	DVR	DRIVER,40V,300MA	-	-	70C	-	-	-	TII	SN75474
75476	TTL	DVR	DRIVER,PERIPHERAL,OP CLMP DIOD	-	-	70C	-	-	-	TII	SN75476
75477	TTL	DVR	DRIVER,PERIPHERAL,OP CLMP DIOD	-	-	70C	-	-	-	TII	SN75477
75478	TTL	DVR	DRIVER,PERIPHERAL,OP CLMP DIOD	-	-	70C	-	-	-	TII	SN75478
75479	TTL	DVR	DRIVER,PERIPHERAL,OP CLMP DIOD	-	-	70C	-	-	-	TII	SN75479
75491	TTL	DVR	DRIVER,MOS-VLED, 50MA OP, QUAD	14LEAD	-	70C	-	-	-	TII	SN75491
75492	TTL	DVR	DRIVER,MOS-VLED,250MA OP, QUAD	14LEAD	-	70C	-	-	-	TII	SN75492
75493	TTL	DVR	DRIVER, LED SEGMENT, QUAD	16LEAD	-	70C	-	-	-	TII	SN75493
75494	TTL	DSP	DIGIT DRIVER, HEX	16LEAD	-	70C	-	-	-	TII	SN75494
82000 SERIES	TTL	VAR	GENERIC NOS FOR N/S82000 SER.	-	+5V	-	-	-	-	SIG	N/S82000 SER
		PRE	FIX N=75C, S=125C SUFFIX F	,D=DIC	I,N	, B	=DIP,	Q,W=FLP			
82100	TTL	PLA	FPLA, 16X48X8 BIT, 3S	28LEAD	+5V	VAR	170MA	80MXNS	Z999	SIG	-
82101	TTL	PLA	FPLA, 16X48X8 BIT, OC	28LEAD	+5V	VAR	170MA	80MXNS	Z999	SIG	-
82102	TTL	PLA	FPGA, 16X9 BIT, OC	28LEAD	+5V	VAR	180MA	55MXNS			-
82103	TTL	PLA	FPGA, 16X9 BIT, 3S	28LEAD	+5V	VAR	180MA	55MXNS	Z999	SIG	-
82104	TTL	PLA	FIELD PROGRAM. LOGIC SEQNCR,OC	28LEAD	+5V	VAR	185MA	-	Z999	SIG	-
82105	TTL	PLA	FIELD PROGRAM. LOGIC SEQNCR,3S	28LEAD	+5V	VAR	185MA	-	Z999	SIG	-
82106	TTL	PLA	FPLA, 16X48X8 BIT, OC	28LEAD	+5V	VAR	-	-	Z999	SIG	-
82107	TTL	PLA	FPLA, 16X48X8 BIT, 3S	28LEAD	+5V	VAR	-	-	Z999	SIG	-
82110	TTL	MEM	RAM, 1K=1024X1 BT, OC	16LEAD	+5V	VAR	-	-	Z999	SIG	93415
82111	TTL	MEM	RAM, 1K=1024X1 BT,3S, CHIP SEL	16LEAD	+5V	VAR	-	-	S010	SIG	54/74214
82112	TTL	MEM	SAM, 8X4 BIT MULTIPORT RAM, 3S	24LEAD	+5V	VAR	-	-	Z999	SIG	-
82114	TTL	MEM	PROM, 256X8 BIT, 3S	24LEAD	+5V	VAR	-	-	Z999	SIG	-
82115	TTL	VAR	PROM, 512X8 BIT, 3S	24LEAD	+5V	VAR	-	-	Z999	SIG	-
82116	TTL	MEM	RAM, 256X1 BIT, 3S	16LEAD	+5V	VAR	-	-	S009	SIG	-
82117	TTL	MEM	RAM, 256X1 BIT, OC	16LEAD	+5V	VAR	-	-	Z999	SIG	93411

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
82123	TTL	MEM	PROM, 32X8 BIT 3S	16LEAD	+5V	VAR	-	-	S007	SIG	-
82126	TTL	MEM	PROM, 256X4 BIT, OC	16LEAD	+5V	VAR	-	-	S006	SIG	-
82129	TTL	MEM	PROM, 256X4 BIT, 3S	16LEAD	+5V	VAR	-	-	S006	SIG	-
82130	TTL	MEM	PROM, 512X4 BIT	16LEAD	+5V	VAR	-	-	Z999	SIG	-
82131	TTL	MEM	PROM, 512X4 BIT	16LEAD	+5V	VAR	-	-	Z999	SIG	-
82136	TTL	MEM	PROM, 1KX4 BIT, OC	18LEAD	+5V	VAR	-	-	Z999	SIG	-
82137	TTL	MEM	PROM, 1KX4 BIT, 3S	18LEAD	+5V	VAR	-	-	Z999	SIG	-
82140	TTL	MEM	PROM, 512X8 BIT	24LEAD	+5V	VAR	-	-	Z999	SIG	93438
82141	TTL	MEM	PROM, 512X8 BIT	24LEAD	+5V	VAR	-	-	Z999	SIG	93448
82146	TTL	MEM	PROM, 512X8 BIT OC	20LEAD	+5V	VAR	-	-	Z999	SIG	-
82147	TTL	MEM	PROM, 512X8 BIT OC	20LEAD	+5V	VAR	-	-	Z999	SIG	-
82180	TTL	MEM	PROM, 1KX8 BIT OC	24LEAD	+5V	VAR	-	-	Z999	SIG	-
82181	TTL	MEM	PROM, 1KX8 BIT, 3S	24LEAD	+5V	VAR	-	-	Z999	SIG	-
82184	TTL	MEM	PROM, 2048X4 BTT, OC	18LEAD	+5V	VAR	-	-	Z999	SIG	-
82185	TTL	MEM	PROM, 2048X 4 BIT, TS	18LEAD	+5V	VAR	-	-	Z999	SIG	-
82190	TTL	MEM	PROM, 2048X8 BIT, OC	24LEAD	+5V	VAR	-	-	Z999	SIG	-
82191	TTL	MEM	PROM, 2048X8 BIT, OC	24LEAD	+5V	VAR	-	-	Z999	SIG	-
82200	TTL	PLA	PLA, 16X48X8 BIT, 3S	28LEAD	+5V	VAR	-	-	Z999	SIG	-
82201	TTL	PLA	PLA, 16X48X8 BIT, OC	28LEAD	+5V	VAR	-	-	Z999	SIG	-
82208	TTL	MEM	RAM, 256X8 BIT, 3S	22LEAD	+5V	VAR	-	-	Z999	SIG	-
82210	TTL	MEM	RAM, 256X9 BIT, 3S	24LEAD	+5V	VAR	-	-	Z999	SIG	-
82214	TTL	MEM	ROM, 256X8 BIT, 3S	24LEAD	+5V	VAR	-	-	Z999	SIG	-
82215	TTL	MEM	ROM, 512X8 BIT, 3S	24LEAD	+5V	VAR	-	-	Z999	SIG	-
82226	TTL	MEM	ROM, 256X4 BIT, OC	16LEAD	+5V	VAR	-	-	S006	SIG	93406
82229	TTL	MEM	ROM, 256X4 BIT, 3S	16LEAD	+5V	VAR	-	-	S006	SIG	93467
82230	TTL	MEM	ROM, 512X4 BIT, OC	16LEAD	+5V	VAR	-	-	S012	SIG	54/74270
82231	TTL	MEM	ROM, 512X4 BIT, 3S	16LEAD	+5V	VAR	-	-	S012	SIG	54/74370
82240	TTL	MEM	ROM, 512X8 BIT, OC	24LEAD	+5V	VAR	-	-	Z999	SIG	-
82241	TTL	MEM	ROM 512X8 BIT, 3S	24LEAD	+5V	VAR	-	-	Z999	SIG	93442
82280	TTL	MEM	ROM, 1KX8 BIT, OC	24LEAD	+5V	VAR	-	-	Z999	SIG	93454
82281	TTL	MEM	ROM, 1KX8 BIT 3S	24LEAD	+5V	VAR	-	-	Z999	SIG	93464
82290	TTL	MEM	ROM, 2KX8 BIT, OC	24LEAD	+5V	VAR	-	-	Z999	SIG	-
82291	TTL	MEM	ROM, 2KX8 BIT, 3S	24LEAD	+5V	VAR	-	-	Z999	SIG	-
82400	TTL	MEM	RAM, 4KX1 BIT, OC	18LEAD	+5V	VAR	-	-	Z999	SIG	-
82401	TTL	MEM	RAM, 4KX1 BIT, 3S	18LEAD	+5V	VAR	-	-	Z999	SIG	-
93000 SERIES	TTL	-	ALTERNATE NAME FOR 93100 SER	-	+5V	VAR	-	-	-	FAS	93100 SERIES
93100 SERIES	TTL	-	FAIRCHILD PROPRIETARY TTL SER	-	+5V	VAR	-	-	-	FAS	-
93116	TTL	FFJ	FF/JK, 4BT,WTH R, A GATED,DUAL	-	+5V	VAR	-	-	-	FAS	54/74116
93137	TTL	DCD	DECODER, 1-OF-8, IP LATCHES	16LEAD	+5V	VAR	74MA	27MXNS	-	FAS	-
93138	TTL	DCD	DECODER/DEMULTIPLEXER, 1-OF-8		+5V	VAR	-	-	D006	FAS	54/74138
93139	TTL	DCD	DECODER/DEMUX, 1-OF-4, DUAL	16LEAD	+5V	VAR	-	-	D006	FAS	54/74139
93141	TTL	DSP	DECODER/DRIVER, BCD-DEC,OC,NIX	16LEAD	+5V	VAR	25MA	-	D008	FAS	54/74141
93145	TTL	DCD	DECODER/DRIVER, 1-OF-10,OC 15V	16LEAD	+5V	VAR	70MA	50MXNS	D001	FAS	54/74145
93150	TTL	MUX	MULTIPLEXER 16 IP	24LEAD	+5V	VAR	68MA	35MXNS	M001	FAS	54/150
93151	TTL	MUX	MULTIPLEXER, 8 IP	16LEAD	+5V	VAR	48MA	26MXNS	M002	FAS	54/74151A
93152	TTL	MUX	MULTIPLEXER, 8 IP	14LEAD	+5V	VAR	43MA	26MXNS	M003	FAS	54/74152
93153	TTL	MUX	MULTIPLEXER, 4IP, DUAL	16LEAD	+5V	VAR	60MA	34MXNS	M004	FAS	54/74193
93154	TTL	DCD	DECODER, DEMUX, 4-TO-16 LINE	24LEAD	+5V	VAR	-	-	D009	FAS	54/74154
93155	TTL	DCD	DECODER/DEMUX, 1-OF-4, DUAL	16LEAD	+5V	VAR	40MA	32MXNS	D010	FAS	54/74155
93156	TTL	DCD	DECODER/DEMUX, 1-OF-4 OC, DUAL	16LEAD	+5V	VAR	40MA	34MXNS	D010	FAS	54/74156
93157	TTL	MUX	MULTIPLEXER, 2IP, QUAD	16LEAD	+5V	VAR	48MA	27MXNS	M005	FAS	54/74157
93158	TTL	MUX	MULTIPLEXER, 2IP, QUAD	16LEAD	+5V	VAR	61MA	12MXNS	M006	FAS	54/74158
93160	TTL	CTR	COUNTER, BCD-DECADE,PRESET,SYN	16LEAD	+5V	VAR	101MA	25MXMHZ	C004	FAS	54/74160A
93161	TTL	CTR	COUNTER, BIN,4BT,PRESET,SYNCH	16LEAD	+5V	VAR	101MA	25MXMHZ	C004	FAS	54/74161A
93162	TTL	CTR	COUNTER, BCD-DECADE,PRESET,SYN	16LEAD	+5V	VAR	101MA	25MXMHZ	C005	FAS	54/74162A
93163	TTL	CTR	COUNTER, BINARY, PRESET,SYNC	16LEAD	+5V	VAR	101MA	25MXMHZ	C005	FAS	54/74163A
93164	TTL	SRG	SHIFT REGISTER, SIPO, 8 BIT	14LEAD	+5V	VAR	54MA	25MXMHZ	R006	FAS	54/74164
93165	TTL	SRG	SHIFT REGISTER, PISO, 8 BIT	16LEAD	+5V	VAR	63MA	20MXMHZ	R007	FAS	54/74165
93166	TTL	SRG	SHIFT REGISTER, 8 BIT, PISO	16LEAD	+5V	VAR	127MA	25TPMHZ	R008	FAS	54/74166
93170	TTL	REG	REGISTER FILE, 4X4 BIT, OC OP	16LEAD	+5V	VAR	150MA	35MXNS	R009	FAS	54/74170
93174	TTL	FFD	D-TYPE FLIP FLOP, HEX	16LEAD	+5V	VAR	65MA	25MXMHZ	F025	FAS	54/74174
93175	TTL	FFD	D-TYPE FLIP FLOP, QUAD	16LEAD	+5V	VAR	45MA	25MXMHZ	F026	FAS	54/74175
93176	TTL	CTR	COUNTER, RIPPLE, BCD DECADE	14LEAD	+5V	VAR	48MA	35MXMHZ	C007	FAS	54/74176
93177	TTL	CTR	COUNTER, BINARY 4 BIT, PRESET	14LEAD	+5V	VAR	48MA	35MXMHZ	C007	FAS	54/74177
93178	TTL	SRG	SHIFT REGISTER, 4 BIT	14LEAD	+5V	VAR	75MA	25MXMHZ	R011	FAS	54/74178
93179	TTL	SRG	SHIFT REGISTER, 4 BIT	16LEAD	+5V	VAR	75MA	25MXMHZ	R012	FAS	54/74179
93180	TTL	PAR	PARITY GENERATOR/CHECKER,4 BIT	14LEAD	+5V	VAR	56MA	60MXNS	Z009	FAS	54/74180
93183	TTL	ADD	ADDER, FULL, DUAL	14LEAD	+5V	VAR	-	-	Z011	FAS	54/74183
93190	TTL	CTR	COUNTER, DECADE,UP/DOWN, SYNC	16LEAD	+5V	VAR	105MA	20MXMHZ	C008	FAS	54/74190
93191	TTL	CTR	COUNTER, BINARY, 4 BIT, SYNC	16LEAD	+5V	VAR	105MA	20MXMHZ	C008	FAS	54/74191
93194	TTL	SRG	SHIFT REGISTER, 4 BIT, L/R	16LEAD	+5V	VAR	63MA	25MXMHZ	R013	FAS	54/74194
93195	TTL	SRG	SHIFT REGISTER, 4 BIT, L/R	16LEAD	+5V	VAR	63MA	30MXMHZ	R014	FAS	54/74195
93196	TTL	CTR	COUNTER, DECADE	14LEAD	+5V	VAR	59MA	50MXMHZ	C010	FAS	54/74196
93197	TTL	CTR	COUNTER, BINARY	14LEAD	+5V	VAR	59MA	50MXMHZ	C010	FAS	54/74197
93198	TTL	SRG	SHIFT REGISTER, 8 BIT	24LEAD	+5V	VAR	116MA	25MXMHZ	R015	FAS	54/74198

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAK ER	SUBSTITUTE
93199	TTL	SRG	SHIFT REGISTER, 8BT,PARALL I/O	24LEAD	+5V	VAR	116MA	25MXMHZ	R016	FAS	54/74199
93200 SERIES	TTL	VAR	CONTINUATION OF 93100 SERIES	-	+5V	VAR	-	-	-	FAS	-
93251	TTL	MUX	MULTIPLEXER, 8 IP, 3S OP	16LEAD	+5V	VAR	85MA	15MXNS	M007	FAS	54/74251
93253	TTL	MUX	MULTIPLEXER, 4 IP, 3S OP, DUAL	16LEAD	+5V	VAR	-	-	M008	FAS	54/74253
93257	TTL	MUX	MULTIPLEXER, 2 IP, 3S OP, QUAD	16LEAD	+5V	VAR	-	-	M009	FAS	54/74257
93258	TTL	MUX	MULTIPLEXER,2IP,3S INV OP,QUAD	16LEAD	+5V	VAR	-	-	M010	FAS	54/74258
93259	TTL	LCH	LATCH, 8 BIT, ADDRESSABLE	16LEAD	+5V	VAR	-	-	L004	FAS	54/74259
93400 SERIES	TTL	MEM	FAIRCHILD MEMORY SERIES	-	+5V	VAR	-	-	-	FAS	MCM93400 SER
93400DC SER	TTL	MEM	CER DIL 75C VRSN OF 93400 SER	DIL--C	+5V	75C	-	-	-	FAS	-
93400DM SER	TTL	MEM	CER DIL 125C VRSN 93400 SERIES	DIL--C	+5V	125	-	-	-	FAS	-
93400FM SER	TTL	MEM	FLAT PK 125C VRSN 93400 SER	FLP---	+5V	125	-	-	-	FAS	-
93400PC SER	TTL	MEM	PLAS DIL 75C VRSN 93400 SER	DIL--P	+5V	75C	-	-	-	FAS	-
93400	TTL	MEM	RAM, 256 BIT	16LEAD	+5V	VAR	-	-	-	FAS	-
93401	TTL	DCD	DECODER/DRIVER, FOR 93400	14LEAD	+5V	VAR	-	-	-	FAS	-
93402	TTL	MEM	CAM, 16 BIT	24LEAD	+5V	VAR	-	-	Z998	FAS	-
93403	TTL	MEM	RAM, 64=16X4 BIT OC	16LEAD	+5V	VAR	100MA	40MXMHZ	S001	FAS	54/74289
93404	TTL	MEM	RAM, 64=16X4 BIT, OC	16LEAD	+5V	VAR	100MA	40MXMHZ	S001	FAS	-
93405	TTL	MEM	RAM, 64=16X4 BIT, 3S	16LEAD	+5V	VAR	100MA	40MXMHZ	S001	FAS	-
93406	TTL	MEM	ROM, 1K=256X4 BIT, OC OP	16LEAD	+5V	VAR	110MA	30MXMHZ	S006	FAS	54/74187
93407	TTL	MEM	RAM, 16X1 BIT	14LEAD	+5V	VAR	-	-	S002	FAS	54/7481
93410	TTL	MEM	RAM, 256=256X1BT,OC,60NS MAX	16LEAD	+5V	VAR	100MA	60MXNS	S009	FAS	54/74301
93410A	TTL	MEM	RAM, 256=256X1BT,OC,45NS MAX	16LEAD	+5V	VAR	100MA	45MXNS	S009	FAS	54/74301A
93411	TTL	MEM	RAM, 256=256X1BT,OC,55NS MAX	16LEAD	+5V	VAR	100MA	65MXNS	S009	FAS	54/74200
93411A	TTL	MEM	RAM, 256=256X1BT,OC,45NS MAX	16LEAD	+5V	VAR	100MA	45MXNS	S009	FAS	54/74200A
93412	TTL	MEM	RAM, 1K=256X4 BIT, OC	24LEAD	+5V	VAR	170MA	60MXNS	S019	FAS	54/74214
93415	TTL	MEM	RAM, 1K=1024X1 BIT, OC	16LEAD	+5V	VAR	130MA	60MXNS	S010	FAS	54/74314
93415A	TTL	MEM	RAM, 1K=1024X1 BIT, OC,HI SPD	16LEAD	+5V	VAR	130MA	30MXNS	S010	FAS	54/74314A
93416	TTL	MEM	PROM, 1K=256X4 BIT	16LEAD	+5V	VAR	100MA	50MXNS	S006	FAS	54/74387
93417	TTL	MEM	PROM, 1K=256X4BIT, OC	16LEAD	+5V	VAR	110MA	45MXNS	S006	FAS	54/74387
93419	TTL	MEM	RAM, 576=64X9 BIT, OC	28LEAD	+5V	VAR	150MA	60MXNS	Z999	FAS	-
93420	TTL	MEM	RAM, 256=256X1 BIT, 3S	16LEAD	+5V	VAR	-	-	S009	FAS	-
93421	TTL	MEM	RAM, 256=256X1BT, 3S	16LEAD	+5V	VAR	100MA	60MXNS	S009	FAS	54/74200
93421A	TTL	MEM	RAM, 256=256X1BT, 3S,HI SPEED	16LEAD	+5V	VAR	100MA	40MXNS	S009	FAS	54/74200A
93422	TTL	MEM	RAM, 1K=256X4 BIT,3S	22LEAD	+5V	VAR	155MA	60MXNS	S019	FAS	-
93425	TTL	MEM	RAM, 1K=1024X1 BIT, 3S	16LEAD	+5V	VAR	130MA	60MXNS	S010	FAS	54/74214
93425A	TTL	MEM	RAM, 1K=1024X1 BIT, 3S,HI SPD	16LEAD	+5V	VAR	130MA	30MXNS	S010	FAS	54/74214A
93426	TTL	MEM	PROM, 1K=256X4 BIT, 3S OP	16LEAD	+5V	VAR	110MA	60MXNS	S006	FAS	54/74287
93427	TTL	MEM	PROM, 1K=256X4 BIT, 3S OP	16LEAD	+5V	VAR	110MA	60MXNS	S006	FAS	54/74S287
93431	TTL	MEM	ROM, 2K=512X4 BIT, OC	16LEAD	+5V	VAR	-	-	S012	FAS	-
93432	TTL	MEM	ROM, 4K=512X8 BIT, OC OP	24LEAD	+5V	VAR	-	-	S015	FAS	-
93433	TTL	MEM	RAM, 16=4X4 BIT, OC OP	14LEAD	+5V	VAR	60MA	30MXNS	S002	FAS	-
93434	TTL	MEM	ROM, 256=32X8 BIT, OC OP	16LEAD	+5V	VAR	80MA	35MXNS	S004	FAS	54/7488
93435	TTL	MEM	RAM, 64=16X4 BIT, OC OP	16LEAD	+5V	VAR	120MA	35MXNS	S001	FAS	54/7489
93436	STL	MEM	PROM, 2K=512X4 BIT, OC OP	16LEAD	+5V	VAR	130MA	50MXNS	S012	FAS	54/74270
93438	STL	MEM	PROM, 4K=512X8 BT,OC	24LEAD	+5V	VAR	175MA	55MXNS	S015	FAS	54/74475
93441	STL	MEM	ROM, 2K=512X4 BIT, 3S	16LEAD	+5V	VAR	-	-	S012	FAS	-
93442	TTL	MEM	ROM, 4K=512X8 BIT, 3S	24LEAD	+5V	VAR	-	-	S015	FAS	-
93446	STL	MEM	PROM, 2K=512X4 BIT,FUZ LNK, 3S	16LEAD	+5V	VAR	130MA	50MXNS	S014	FAS	-
93448	STL	MEM	PROM, 4K=512X8BT,ALT PIN 74472	24LEAD	+5V	VAR	175MA	55MXNS	S015	FAS	54/74474
93450	STL	MEM	PROM, 8K=1024X8 BIT, OC	24LEAD	+5V	VAR	175MA	55MXNS	S031	FAS	-
93451	STL	MEM	PROM, 8K=1024X8 BIT, 3S	24LEAD	+5V	VAR	175MA	55MXNS	S031	FAS	-
93452	STL	MEM	PROM, 4K=1024X4 BIT, OC	18LEAD	+5V	VAR	170MA	55MXNS	S032	FAS	-
93453	STL	MEM	PROM, 4K=1024X4 BIT, 3S	18LEAD	+5V	VAR	170MA	55MXNS	S032	FAS	-
93454	TTL	MEM	ROM, 8K=1024X8 BIT, OC	24LEAD	+5V	VAR	-	-	S033	FAS	-
93457	TTL	MEM	ROM, 1K=256X4, OC	16LEAD	+5V	VAR	660MW	60MXNS	S006	FAS	-
93458	STL	MEM	FPLA, 16X48X8, OC	28LEAD	+5V	VAR	140MA	48MXNS	Z999	FAS	-
93459	STL	MEM	FPLA, 16X48X8, 3S	28LEAD	+5V	VAR	140MA	48MXNS	Z999	FAS	-
93464	TTL	MEM	ROM, 8K=1024X8, 3S	24LEAD	+5V	VAR	-	-	S033	FAS	-
93467	TTL	MEM	ROM, 1K=256X4 BIT, 3S	16LEAD	+5V	VAR	660MW	60MXNS	S006	FAS	-
93470	TTL	MEM	RAM, 4K=4096X1 BIT, OC	18LEAD	+5V	VAR	170MA	60MXNS	S034	FAS	-
93471	TTL	MEM	RAM, 4K=4096X1 BIT, 3S	18LEAD	+5V	VAR	170MA	60MXNS	S034	FAS	-
93475	TTL	MEM	RAM, 4K=1024X4, STATIC	18LEAD	+5V	VAR	200MA	35TPNS	S035	FAS	
93481	I2L	MEM	RAM, 4K=4096X1 BIT, DYN., 3S	16LEAD	+5V	VAR	150MA	75MXNS	Z999	FAS	-
93481A	I2L	MEM	RAM, 4K=4096X1BT,DYN.,3S,HI SP	16LEAD	+5V	VAR	150MA	65MXNS	Z999	FAS	-
95000 SERIES	ECL	-	FAIRCHILD PROPRIETARY ECL SER	DIL--C	-5.2V	VAR	-	-	-	FAS	-
95000DC SER	ECL	-	75C VERSION OF 95000 SERIES	DIL16C	-5.2V	75C	-	-	-	FAS	-
95000DM SER	ECL	-	125C VERSION OF 95000 SERIES	DIL16C	-5.2V	125	-	-	-	FAS	-
95000	ECL	SRG	SHIFT REGISTER, 4 BIT	DIL16C	-5.2V	75C	95MA	150MXMHZ	R060	FAS	-
95002	ECL	ORN	OR/NOR, 4IP, DUAL	DIL16C	-5.2V	75C	14MA	3.1MXNS	Z999	FAS	-
95003	ECL	ORN	OR/NOR, 2IP, TRIPLE	DIL16C	-5.2V	75C	21MA	3 1MXNS	Z999	FAS	-
95004	ECL	NOR	NOR, 2IP, QUAD	DIL16C	-5.2V	75C	26MA	3 1MXNS	Z999	FAS	-
95010	ECL	CTR	COUNTER, BCD-DECADE, 4 BIT	DIL16C	-5.2V	75C	115MA	140MXMHZ	C055	FAS	-
95016	ECL	CTR	COUNTER, BIN, 4BT,MOD 2,4,8,16	DIL16C	-5.2V	75C	115MA	140MXMHZ	C055	FAS	-
95029	ECL	FFJ	FF/JK, EDGE TRIG	DIL16C	-5.2V	75C	46MA	160MXMHZ	Z999	FAS	-
95101	ECL	ORN	OR/NOR, 2IP, 1 BOS, QUAD	DIL16C	-5.2V	75C	26MA	3 1MXNS	O005	FAS	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
95102	ECL	NOR	NOR, 2IP, QUAD	DIL16C	-5.2V	75C	26MA	3.1MXNS	Z999	FAS	-
95103	ECL	ORG	OR, 2IP, QUAD	DIL16C	-5.2V	75C	26MA	3.1MXNS	O006	FAS	-
95105	ECL	ORN	OR/NOR, 2-3-2IP, TRIPLE	DIL16C	-5.2V	75C	21MA	3.1MXNS	O007	FAS	-
95106	ECL	NOR	NOR, 4-3-3 IP, TRIPLE	DIL16C	-5.2V	75C	21MA	3.1MXNS	Q023	FAS	-
95107	ECL	XOR	EXCL OR/EXCL. NOR,TRIPLE	DIL16C	-5.2V	75C	28MA	4MXNS	X010	FAS	-
95109	ECL	ORN	OR/NOR, 4-5 IP, DUAL	DIL16C	-5.2V	75C	14MA	3.1MXNS	O008	FAS	-
95110	ECL	ORG	OR, 3IP, 3 OP, DUAL	DIL16C	-5.2V	75C	35MA	3.8MXNS	O009	FAS	-
95111	ECL	NOR	NOR, 3 IP, 3 OP, DUAL	DIL16C	-5.2V	75C	38MA	3.8MXNS	Q024	FAS	-
95115	ECL	RCV	LINE RECEIVER, 2IP, QUAD	DIL16C	-5.2V	75C	26MA	3.1MXNS	Z999	FAS	-
95116	ECL	RCV	LINE RECEIVER, INV,2IP, TRIPLE	DIL16C	-5.2V	75C	21MA	3.1MXNS	Z999	FAS	-
95117	ECL	AOI	OR/AND INVERT, 2/3X2, DUAL	DIL16C	-5.2V	75C	-	-	Z999	FAS	-
95118	ECL	AOR	OR/AND, 3X2, DUAL	DIL16C	-5.2V	75C	-	-	Z999	FAS	-
95119	ECL	AOR	OR/AND, 3X4, SINGLE	DIL16C	-5.2V	75C	-	-	Z999	FAS	-
95121	ECL	AOI	OR/AND/INVERT, 3X4, SINGLE	DIL16C	-5.2V	75C	-	-	Z999	FAS	-
95124	ECL	LSH	LEVEL SHIFT, TTL-TO-ECL, QUAD	DIL16C	-5+5V	75C	34MA	3.5MXNS	Z999	FAS	-
95130	ECL	LCH	LATCH, D TYPE, COMM EN, DUAL	DIL16C	-5.2V	75C	35MA	3.5MXNS	L023	FAS	-
95231	ECL	FFD	FF/D, DUAL	DIL16C	-5.2V	75C	56MA	200MXMHZ	F059	FAS	-
95400	ECL	MEM	RAM, 64=16X4 BIT	DIL16C	-5.2V	75C	700MW	17.5TPNS	Z999	FAS	-
96101	TTL	BUF	NAND BUFFER, 2IP, OC OP, QUAD	14LEAD	+5V	VAR	54MA	25MXNS	N003	FAS	-
96103	TTL	TRX	TRANSCEIVER, BUS, COMM EN,QUAD	16LEAD	+5V	VAR	90MA	35MXNS	T004	FAS	-
96106	TTL	RCV	RECEIVER, LINE, NOR, 2IP, QUAD	14LEAD	+5V	VAR	40MA	35MXNS	Q008	FAS	-
96501	TTL	XXX	CURRENT SOURCE, 4 BIT, 0.01%	DIL16	+5V	VAR	-	-	Z999	FAS	-
96502	TTL	XXX	CURRENT SOURCE, 4 BIT, 0.05%	DIL16	+5V	VAR	-	-	Z999	FAS	-
96503	TTL	XXX	CURRENT SOURCE, 4 BIT, 2%	DIL16	+5V	VAR	-	-	Z999	FAS	-
100000 SER	ECL	-	ALTERNATE NOS FOR F100000 SER	-	-5.2V	-	-	-	-	VAR	100000 (FAS)
100400 SERIES	ECL	MEM	ALTERNATE NOS FOR F100400 SER	-	-5.2V	75C	-	-	-	FAS	F100400 SER
822708	TTL	MEM	PROM, 1KX8 BIT	24LEAD	+5V	VAR	-	-	Z999	SIG	-
ALS00 SERIES	ALS	-	ADVERT JARGON FOR 74ALS00 SER	DIL--P	+5V	70C	-	-	-	TII	74ALS00 SER
AM25L00 SER	LTL	VAR	LOW POWER VRSN OF AM2500 SER	-	+5V	VAR	-	-	-	ADM	-
AM25L00 SER	-	1ST	SUFFIX D=DIC, F=FLP, P=DIP, X	=CHIP	-	-	-	-	-	ADM	-
AM25L00 SER	-	2ND	SUFFIX:C=COMMERCIAL,M=MILITARY	-	-	-	-	-	-	ADM	-
AM25LS00 SER	LST	VAR	LO PWR SCHOTTKY VRSN AM2500 SR	-	+5V	VAR	-	-	-	ADM	-
		1ST	SUFFIX: D=DIC, F=FLP, P=DIP, X	=CHIP			-				
		2ND	SUFFIX:C=COMMERCIAL,M=MILITARY				-				
AM25S00 SER	STL	VAR	SCHOTTKY TTL VRSN OF AM2500 SR	-	+5V	VAR	-	-	-	ADM	-
		1ST	SUFFIX. D=DIC, F=FLP, P=DIP, X	=CHIP							-
		2ND	SUFFIX:C=COMMERCIAL,M=MILITARY								
AM26L00 SER	LTL	VAR	LOW POWER VRSN OF AM2600 SER	-	-	-	-	-	-	ADM	-
		1ST	SUFFIX: D=DIC, F=FLP, P=DIP, X	=CHIP							
		2ND	SUFFIX:C=COMMERCIAL,M=MILITARY								
AM26LS00 SER	-	-	LO PWR SCHOTTKY VRSN AM2600 SR	-	-	-	-	-	-	ADM	-
		1ST	SUFFIX: D=DIC, F=FLP, P=DIP, X	=CHIP							
		2ND	SUFFIX:C=COMMERCIAL,M=MILITARY								
AM26S00 SER	STL	-	SCHOTTKY TTL VRSN OF AM2600 SR	-	-	-	-	-	-	ADM	-
		1ST	SUFFIX D=DIC, F=FLP, P=DIP, X	=CHIP							
		2ND	SUFFIX:C=COMMERCIAL,M=MILITARY								
AM27LS00 SER.	-	-	LO PWR SCHOTTKY VRSN AM2700 SR	-	-	-	-	-	-	ADM	-
		1ST	SUFFIX: D=DIC, F=FLP, P=DIP, X	=CHIP							
		2ND	SUFFIX:C=COMMERCIAL,M=MILITARY								
AM27S00 SER	-	-	SCHOTTKY TTL VRSN OF AM2700 SR	-	-	-	-	-	-	ADM	-
		1ST	SUFFIX. D=DIC, F=FLP, P=DIP, X	=CHIP							
		2ND	SUFFIX:C=COMMERCIAL,M=MILITARY								
AM2500 SERIES	TTL	VAR	ADM'S PROPRIETARY MSI SERIES	-	+5V	VAR	-	-	-	ADM	-
		1ST	SUFFIX: D=DIC, F=FLP, P=DIP, X	=CHIP							
		2ND	SUFFIX:C=COMMERCIAL,M=MILITARY								
AM2501	TTL	CTR	COUNTER, 4BT, UP/DOWN, SYNC	16LEAD	+5V	VAR	-	-	Z999	ADM	-
AM2502	TTL	REG	SUCCESSIVE APPOX REG, 8BT	16LEAD	+5V	VAR	-	-	Z999	ADM	-
AM2503	TTL	REG	SUCCESSIVE APPROX REGISTER,8BT	16LEAD	+5V	VAR	-	-	Z999	ADM	-
AM2504	TTL	REG	SUCCESSIVE APPRX REGISTER,12BT	24LEAD	+5V	VAR	-	-	Z999	ADM	-
AM2505	TTL	MLT	MULTIPLIER, 4X2BT, 2'S COMPLMT	24LEAD	+5V	VAR	-	-	Z999	ADM	-
AM2506	TTL	ALU	ALU, 4 BIT, LATCH	24LEAD	+5V	VAR	-	-	Z999	ADM	-
AM2507	TTL	REG	REGISTER, 6BT, COMMON ENABLE	16LEAD	+5V	VAR	-	-	Z999	ADM	-
AM2508	TTL	REG	REGISTER, 4 BIT, COMMON ENABLE	16LEAD	+5V	VAR	-	-	Z999	ADM	-
AM2509	TTL	SRG	SHIFT REGISTER, 2 INPUT, QUAD	16LEAD	+5V	VAR	-	-	Z999	ADM	-
AM2510	TTL	XXX	SHIFTER, 4BT/4WAY, 3S	16LEAD	+5V	VAR	-	-	Z999	ADM	-
AM2514	TTL	MLT	MULTIPLIER, 8X1BIT,SER/PAR	16LEAD	+5V	VAR	-	-	Z999	ADM	-
AM2515	TTL	AAD	ADDER/SUBTRACTOR, 4BT,SER/PAR.	20LEAD	+5V	VAR	-	-	Z999	ADM	SN54/74385
AM2518	TTL	REG	REGISTER, DYNAMIC,3S+R OP,QUAD	16LEAD	+5V	VAR	-	-	Z999	ADM	-
AM2522	TTL	REG	REGISTER, 8BT, SER/PAR	20LEAD	+5V	VAR	-	-	Z999	ADM	-
AM2523	TTL	SRG	SHIFT REGISTER, L/R, 8 BIT	20LEAD	+5V	VAR	-	-	Z999	ADM	-
AM2600 SERIES	TTL	-	ADM'S PROPRIETARY INTERFACE SR	-	+5V	VAR	-	-	-	ADM	-
		1ST	SUFFIX: D=DIC, F=FLP, P=DIP, X	=CHIP			-				
		2ND	SUFFIX:C=COMMERCIAL,M=MILITARY				-				
AM2600 SERIES	TTL	VAR	ADM'S PROPRIETARY INTERFACE SR	-	+5V	VAR	-	-	-	ADM	-
		1ST	SUFFIX. D=DIC, F=FLP, P=DIP, X	=CHIP			-				
		2ND	SUFFIX:C=COMMERCIAL,M=MILITARY								

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
							-				
AM2600	TTL	MON	ONE-SHOT	14LEAD	+5V	VAR	-	-	Z999	ADM	-
AM2602	TTL	MON	ONE SHOT, DUAL	16LEAD	+5V	VAR	-	-	Z999	ADM	-
AM2610	TTL	TRX	BUS TRANSCEIVER, INV OP, QUAD	16LEAD	+5V	VAR	-	-	Z999	NAT	-
AM2611	TTL	TRX	BUS TRANSCEIVER, NON-INV, QUAD	16LEAD	+5V	125	-	-	Z999	NAT	-
AM2612	TTL	TRX	BUS TRANSCEIVER, OC, QUAD	16LEAD	+5V	-	-	-	Z999	ADM	-
AM2614	TTL	LND	LINE DRIVER, SINGLE-ENDED,QUAD	16LEAD	+5V	VAR	70MA	-	Z999	ADM	-
AM2615	TTL	RCV	LINE RECVR, SINGLE-ENDED, DUAL	16LEAD	+5V	VAR	50MA	75MXNS	Z999	ADM	9615
AM2616	TTL	LND	LINE DRIVER, EIA/MIL 188C,QUAD	16LEAD	+5V	VAR	28MA	650MXNS	Z999	ADM	9615
AM2617	TTL	RCV	LINE RECEIVER, EIA, QUAD	16LEAD	+5V	VAR	26MA	175MXNS	Z999	ADM	-
AM2631	TTL	LND	LINE DRIVER, DIFFERENTIAL,QUAD	16LEAD	+5V	VAR	-	-	Z999	AMD	-
AM2632	TTL	RCV	LINE RECEIVER, DIFFERENTL,QUAD	16LEAD	+5V	VAR	-	-	Z999	ADM	-
AM2633	TTL	RCV	LINE RECEIVER, DIFFERNTL, QUAD	16LEAD	+5V	VAR	-	-	Z999	ADM	-
AM2700 SERIES	TTL	-	ADM'S PROPRIETARY MEMORY SER	-	+5V	VAR	-	-	-	ADM	-
		1ST	SUFFIX D=DIC, F=FLP, P=DIP, X =CHIP								
		2ND	SUFFIX:C=COMMERCIAL,M=MILITARY								
AM2700	TTL	MEM	RAM, 256X1 BT, 3S	16LEAD	+5V	VAR	-	-	S009	ADM	-
AM2701	TTL	MEM	RAM, 256X1 BT, OC	16LEAD	+5V	VAR	-	-	S009	ADM	-
AM2702	TTL	MEM	RAM, 64X1 BT, OC OP	16LEAD	+5V	VAR	-	-	S001	ADM	54/7489
AM2703	TTL	MEM	RAM, 64X1 BT, 3S OP	16LEAD	+5V	VAR	-	-	S001	ADM	-
AM2706	TTL	MEM	RAM, 64X1 BT, NON-INV OC OP	16LEAD	+5V	VAR	-	-		ADM	-
AM2707	TTL	MEM	RAM, 64X1 BT, NON-INV 3S OP	16LEAD	+5V	VAR	-	-	Z999	ADM	-
AM2708	TTL	MEM	PROM, 32X8 BT WORDS, OC OP	16LEAD	+5V	VAR	-	-	S007	ADM	-
AM2709	TTL	MEM	PROM, 32X8 BT WORDS, 3S OP	16LEAD	+5V	VAR	-	-	S007	ADM	-
AM2710	TTL	MEM	PROM, 256X4 BT WORDS, OC OP	16LEAD	+5V	VAR	-	-	S006	ADM	-
AM2711	TTL	MEM	PROM, 256X4 BT WORDS, 3S OP	16LEAD	+5V	VAR	-	-	S006	ADM	-
AM2718	TTL	MEM	PROM, 32X8 BT WORDS, OC OP	16LEAD	+5V	VAR	-	-	S007	ADM	-
AM2719	TTL	MEM	PROM, 32X8 BT WORDS, 3S OP	16LEAD	+5V	VAR	-	-	S007	ADM	-
AM2720	TTL	MEM	PROM, 256X4 BT WORDS, OC OP	16LEAD	+5V	VAR	-	-	S006	ADM	-
AM2721	TTL	MEM	PROM, 256X4 BT WORDS, 3S OP	16LEAD	+5V	VAR	-	-	S006	ADM	-
AM2726	TTL	MEM	PROM, 512X8 BT WORDS,REG,OC OP	22LEAD	+5V	VAR	-	-	Z999	ADM	-
AM2727	TTL	MEM	PROM, 512X8 BT WORDS, 3S OP	22LEAD	+5V	VAR	-	-	Z999	ADM	-
AM2728	TTL	MEM	PROM, 512X8 BT, OC OP, 20-PIN	20LEAD	+5V	VAR	-	-	Z999	ADM	-
AM2729	TTL	MEM	PROM, 512X8 BT, 3S OP, 20-PIN	20LEAD	+5V	VAR	-	-	Z999	ADM	-
AM2730	TTL	MEM	PROM, 512X8 BT, 3S OP, 24-PIN	24LEAD	+5V	VAR	-	-	S015	ADM	-
AM2731	TTL	MEM	PROM, 512X8 BT, OC OP, 24-PIN	24LEAD	+5V	VAR	-	-	S015	ADM	-
AM2732	TTL	MEM	PROM, 1024X4 BT, OC OP	18LEAD	+5V	VAR	-	-	Z999	ADM	-
AM2733	TTL	MEM	PROM, 1024X4 BT, 3S OP	18LEAD	+5V	VAR	-	-	Z999	ADM	-
AM2780	TTL	MEM	ROM, 1024X8 BT, OC OP	24LEAD	+5V	VAR	-	-	Z999	ADM	-
AM2781	TTL	MEM	ROM, 1024X8 BT, 3S OP	24LEAD	+5V	VAR	-	-	Z999	ADM	-
AM2900 SERIES	TTL	-	AMD'S 4BT-SLICE MICROPROC SER	-	+5V	VAR	-	-	-	ADM	-
		1ST	SUFFIX: D=DIC, F=FLP, P=DIP, X =CHIP				-				
		2ND	SUFFIX:C=COMMERCIAL,M=MILITARY				-				
AM2905	TTL	TRX	TRANSCEIVER, BUS,2IP, 3S, QUAD	24LEAD	+5V	VAR	-	-	Z999	ADM	-
AM2906	TTL	TRX	TRANSCVR,BUS,2IP,PARITY, QUAD	24LEAD	+5V	VAR	-	-	Z999	ADM	-
AM2907	TTL	TRX	TRANSCVR,BUS,OC,PARITY,3S,QUAD	20LEAD	+5V	VAR	-	-	Z999	ADM	-
AM5400YV SER.	TTL	VAR	HOUSE CODES FOR SN5400J SERIES	DIL--C	+5V	125	-	-	-	ADM	SN5400J SER
AM5400ZV SER.	TTL	-	HOUSE CODES FOR SN5400W SERIES	FLP---	-	125	-	-	-	ADM	SN5400W SER
AM7400XU SER.	TTL	-	HOUSE CODES FOR SN7400N SERIES	DIL--P	-	70C	-	-	-	ADM	SN7400N SER
AM7400YU SER.	TTL	-	HOUSE CODES FOR SN7400J SERIES	DIL--C	-	70C	-	-	-	ADM	SN7400J SER
AM7400ZU SER.	TTL	-	HOUSE CODES FOR SN7400W SERIES	FLP---	-	70C	-	-	-	ADM	SN7400W SER
AM25000 SER.	TTL	VAR	CONTINUATION OF AM2500 SERIES	-	+5V	VAR	-	-	-	ADM	-
AM25138	TTL	DCD	DECODER, 3-8LINE,ONE OF EIGHT)	16LEAD	+5V	70C	-	-	D006	ADM	SN54/74138
AM25139	TTL	DCD	DECODER, 2-4LINE,(1-OF-4),DUAL	16LEAD	+5V	VAR	-	-	D007	ADM	SN54/74139
AM25148	TTL	ENC	ENCODER, PRIORITY, 8-3 LINE	16LEAD	+5V	VAR	-	-	M015	ADM	SN54/74148
AM25151	TTL	MUX	MUX, 8 IP	16LEAD	+5V	VAR	-	-	M002	ADM	SN54/74151
AM25153	TTL	MUX	MUX, 4 IP, DUAL	16LEAD	+5V	VAR	-	-	M004	ADM	-
AM25157	TTL	MUX	MUX, 2IP, QUAD	16LEAD	+5V	VAR	-	-	M005	ADM	SN54/74157
AM25158	TTL	MUX	MUX, 2IP, INV OP, QUAD	16LEAD	+5V	VAR	-	-	M006	ADM	SN54/74158
AM25160	TTL	CTR	COUNTER, BCD DECADE, SYNC	16LEAD	+5V	VAR	-	-	C004	ADM	SN54/74160
AM25161	TTL	CTR	COUNTER, BINARY, 4 BIT, SYNC	16LEAD	+5V	VAR	-	-	C004	ADM	SN54/74161
AM25162	TTL	CTR	COUNTER, BCD DECADE, SYNC	16LEAD	+5V	VAR	-	-	C005	ADM	SN54/74162
AM25163	TTL	CTR	COUNTER, BINARY, 4 BIT, SYNC	16LEAD	+5V	VAR	-	-	C005	ADM	SN54/74163
AM25164	TTL	SRG	SHIFT REGISTER, 8 BIT	14LEAD	+5V	VAR	-	-	R006	ADM	SN54/74164
AM25168	TTL	CTR	COUNTER, DECADE, UP/DOWN	16LEAD	+5V	VAR	-	-	C006	ADM	SN54/74168
AM25169	TTL	CTR	COUNTER, BINARY 4 BIT, UP/DOWN	16LEAD	+5V	VAR	-	-	C006	ADM	SN54/74169
AM25174	TTL	REG	REGISTER, 6 BIT	16LEAD	+5V	VAR	-	-	F025	ADM	SN54/74174
AM25175	TTL	FFD	REGISTER, 4 BIT	16LEAD	+5V	VAR	-	-	F026	RCA	SN54/74175
AM25181	TTL	ALU	ARITHMETIC LOGIC UNIT, 4 BIT	24LEAD	+5V	VAR	-	-	Z010	RCA	SN54/74181
AM25190	TTL	CTR	COUNTER, DECADE, UP/DOWN, SYNC	16LEAD	+5V	VAR	-	-	C008	ADM	SN54/74190
AM25191	TTL	CTR	COUNTER, BINARY, UP/DOWN, SYNC	16LEAD	+5V	VAR	-	-	C008	ADM	SN54/74191
AM25192	TTL	CTR	COUNTER, DECADE, UP/DOWN	16LEAD	+5V	VAR	-	-	C009	ADM	SN54/74192
AM25193	TTL	CTR	COUNTER, BINARY, UP/DOWN	16LEAD	+5V	VAR	-	-	C009	ADM	SN54/74193
AM25194	TTL	SRG	SHIFT REGISTER, 4BT, L/R, SIPO	16LEAD	+5V	VAR	-	-	R013	ADM	SN54/74194
AM25195	TTL	SRG	SHIFT REGISTER, 4 BIT	16LEAD	+5V	VAR	-	-	R014	ADM	SN54/74195

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
AM25240	TTL	INV	BUFFER, INV, 48MA, OCTAL	20LEAD	+5V	VAR	-	-	B004	ADM	SN54/74240
AM25241	TTL	BUF	BUFFER, NON-INV, 48MA, OCTAL	20LEAD	+5V	VAR	-	-	B005	ADM	SN54/74241
AM25242	TTL	TRX	TRANSCEIVER, 48MA, INV, QUAD	14LEAD	+5V	VAR	-	-	T001	ADM	SN54/74242
AM25243	TTL	TRX	TRANSCEIVER, 48MA,NON-INV,QUAD	14LEAD	+5V	VAR	-	-	T002	ADM	SN54/74243
AM25244	TTL	BUF	BUFFER, 48MA, OCTAL	20LEAD	+5V	VAR	-	-	B006	ADM	SN54/74244
AM25251	TTL	MUX	MUX, 8IP, 3S OP	16LEAD	+5V	VAR	-	-	M007	ADM	SN54/74251
AM25253	TTL	MUX	MUX, 8IP, 3S OP, DUAL	16LEAD	+5V	VAR	-	-	M008	ADM	SN54/74253
AM25257	TTL	MUX	MUX, 2IP, 3S, QUAD	16LEAD	+5V	VAR	-	-	M009	ADM	SN54/74257
AM25258	TTL	MUX	MUX, 2IP, INV 3S OP, QUAD	16LEAD	+5V	VAR	-	-	M010	ADM	SN54/74258
AM25273	TTL	FFD	REGISTER, RESET, OCTAL	20LEAD	+5V	VAR	-	-	R017	ADM	SN54/74273
AM25299	TTL	SRG	SHIFT REGISTER, 8 BIT	20LEAD	+5V	VAR	-	-	R020	ADM	SN54/74299
AM25373	TTL	LCH	LATCH, TRANSPARENT, OCTAL	20LEAD	+5V	VAR	-	-	L006	ADM	SN54/74373
AM25374	TTL	FFD	REGISTER, D-TYPE, 3S OP, OCTAL	20LEAD	+5V	VAR	-	-	F027	ADM	SN54/74374
AM25377	TTL	FFD	REGISTER, D-TYPE, ENABLE,OCTAL	20LEAD	+5V	VAR	-	-	F028	ADM	SN54/74377
AM25378	TTL	FFD	REGISTER, 6 BIT, ENABLE	16LEAD	+5V	VAR	-	-	R023	ADM	SN54/74378
AM25379	TTL	FFD	REGISTER, 4 BIT, ENABLE	16LEAD	+5V	VAR	-	-	R024	ADM	SN54/74379
AM25381	TTL	ALU	ARITHMETIC LOGIC UNIT, 4 BIT	20LEAD	+5V	VAR	-	-	Z038	ADM	SN54/74381
AM25399	TTL	REG	REGISTER, 4 BIT	16LEAD	+5V	VAR	-	-	M019	ADM	SN54/74399
AM25533	TTL	LCH	LATCH, INV, OCTAL	20LEAD	+5V	VAR	-	-	L008	ADM	SN54/74533
AM25534	TTL	FFD	LATCH, OCTAL	20LEAD	+5V	VAR	-	-	F029	ADM	SN54/74534
AM25540	TTL	BUF	BUFFER, BUS, OCTAL	20LEAD	+5V	VAR	-	-	B010	ADM	SN54/74540
AM25541	TTL	TRX	INVERTER, BUS, OCTAL	20LEAD	+5V	VAR	-	-	B011	ADM	SN54/74541
AM25568	TTL	CTR	COUNTER, 4 BIT, UP/DOWN, 3S	20LEAD	+5V	VAR	-	-	C023	ADM	SN54/74568
AM25569	TTL	CTR	COUNTER, 4 BIT, UP/DOWN, 3S	20LEAD	+5V	VAR	-	-	C023	ADM	SN54/74569
AM26123	TTL	MON	ONE-SHOT, DUAL	16LEAD	+5V	VAR	-	-	Z999	ADM	-
AM27180	TTL	MEM	PROM, 1024X8 BT, OC OF	24LEAD	+5V	VAR	-	-	Z999	ADM	-
AM27181	TTL	MEM	PROM, 1024X8 BT, 3S OP	24LEAD	+5V	VAR	-	-	Z999	ADM	-
AS00 SERIES	AST	-	ADVERT JARGON FOR 74AS00 SER.	DIL--P	+5V	70C	-	-	-	TII	74AS00 SERIES
BCL4000 SER	CMS	VAR	SOLID STATE 125C VRSN CD4000 S	DIL--C	+15V	125	-	-	-	SSS	CD4000B SER.
BCL4000A	CMS	VAR	SOLID STATE MIL SPEC 4000A SER	-	+10V	125	-	-	-	SSS	-
BCL4000B SER	CMS	VAR	SOLID STATE MIL SPEC 4000B SER	-	+15V	125	-	-	-	SSS	-
BCL4000UB	CMS	VAR	SOLID STATE MIL SPEC 4000UB SR	-	+15V	125	-	-	-	SSS	-
BL5400 SERIES	TTL	-	HOUSE CODES FOR SN5400 SERIES	-	-	125	-	-	-	TII	SN5400 SERIES
BL54L00 SER	LTL	-	HOUSE CODES FOR SN5400 SERIES	-	-	125	-	-	-	TII	SN54L00 SER.
BL7400 SERIES	TTL	-	HOUSE CODES FOR SN7400P SER	-	-	70C	-	-	-	TII	SN7401 SERIES
BL74L00 SER	LTL	-	HOUSE CODES FOR SN5400 SERIES	-	-	70C	-	-	-	TII	SN74L00 SER
BS9400 SERIES			BRITISH STANDARDS INSTITUTION	SERIES	OF	DIG	IC	IND	/MIL		STANDARDS
BS9401C077	TTL	NAN	BSI STANDARD IC	DIL14P	+5V	125	-	-	N001	FER	ZN5400E
BS9401C078	TTL	NAN	BSI STANDARD IC	DIL14P	+5V	70C	-	-	N001	FER	ZN7400E
BS9401C079	TTL	NAN	BSI STANDARD IC	DIL14P	+5V	70C	-	-	N004	FER	ZN5410E
BS9401C080	TTL	NAN	BSI STANDARD IC	DIL14P	+5V	70C	-	-	N004	FER	ZN7410E
BS9401C081	TTL	NAN	BSI STANDARD IC	DIL14P	+5V	125	-	-	N008	FER	ZN5420E
BS9401C082	TTL	NAN	BSI STANDARD IC	DIL14P	+5V	70C	-	-	N008	FER	ZN7420E
BS9401C083	TTL	NAN	BSI STANDARD IC	DIL14P	+5V	125	-	-	N010	FER	ZN5430E
BS9401C084	TTL	NAN	BSI STANDARD IC	DIL14P	+5V	70C	-	-	N010	FER	ZN7430E
BS9401C085	TTL	NAN	BSI STANDARD IC	DIL14P	+5V	125	-	-	N003	FER	ZN5401E
BS9401C086	TTL	NAN	BSI STANDARD IC	DIL14P	+5V	70C	-	-	N003	FER	ZN7401E
BS9401C087	TTL	NOR	BSI STANDARD IC	DIL14P	+5V	125	-	-	Q001	FER	ZN5402E
BS9401C088	TTL	NOR	BSI STANDARD IC	DIL14P	+5V	70C	-	-	Q001	FER	ZN7402E
BS9401C090	TTL	BUF	BSI STANDARD IC	DIL14P	+5V	125	-	-	N008	FER	ZN5440E
BS9401F0004	LTL	NAN	BSI STANDARD IC	DIL14P	+5V	125	-	-	N001	FER	ZN54L00J
BS9401F0005	LTL	NAN	BSI STANDARD IC	DIL14P	+5V	125	-	-	N004	FER	ZN54L10J
BS9401F0006	LTL	NAN	BSI STANDARD IC	DIL14P	+5V	125	-	-	N008	FER	ZN54L20J
BS9401F0007	LTL	NAN	BSI STANDARD IC	DIL14C	+5V	125	-	-	N010	FER	ZN54L30J
BS9401F0008	LTL	NAN	BSI STANDARD IC	DIL14C	+5V	85C	-	-	N001	FER	ZN64L00J
BS9401F0009	LTL	NAN	BSI STANDARD IC	DIL14C	+5V	85C	-	-	N004	FER	ZN64L10J
BS9401F0010	LTL	NAN	BSI STANDARD IC	DIL14C	+5V	85C	-	-	N008	FER	ZN64L20J
BS9401F0011	LTL	NAN	BSI STANDARD IC	DIL14C	+5V	85C	-	-	N010	FER	ZN64L30J
BS9401F0012	LTL	NAN	BSI STANDARD IC	DIL14C	+5V	70C	-	-	N001	FER	ZN74L00J
BS9401F0013	LTL	NAN	BSI STANDARD IC	DIL14C	+5V	70C	-	-	N004	FER	ZN74L10J
BS9401F0014	LTL	NAN	BSI STANDARD IC	DIL14C	+5V	70C	-	-	N008	FER	ZN74L20J
BS9401F0015	LTL	NAN	BSI STANDARD IC	DIL14C	+5V	70C	-	-	N010	FER	ZN74L30J
BS9401F0016	LTL	XOR	BSI STANDARD IC	DIL14C	+5V	125	-	-	X001	FER	ZN54L86J
BS9401F0017	LTL	XOR	BSI STANDARD IC	DIL14C	+5V	85C	-	-	X001	FER	ZN64L86J
BS9401F0018	LTL	XOR	BSI STANDARD IC	DIL14C	+5V	70C	-	-	X001	FER	ZN74L86J
BS9401F0019	TTL	NAN	BSI STANDARD IC	DIL14C	+5V	125	-	-	N001	TII	SN5400J
BS9401F0020	TTL	NAN	BSI STANDARD IC	DIL14C	+5V	125	-	-	N004	TII	SN5410J
BS9401F0021	TTL	NAN	BSI STANDARD IC	DIL14C	+5V	125	-	-	N008	TII	SN5420J
BS9401F0022	TTL	NAN	BSI STANDARD IC	DIL14C	+5V	125	-	-	N010	TII	SN5430J
BS9401F0023	TTL	BUF	BSI STANDARD IC	DIL14C	+5V	125	-	-	N008	TII	SN5440J
BS9401F0024	TTL	NAN	BSI STANDARD IC	DIL14C	+5V	85C	-	-	N001	TII	SN6400J
BS9401F0025	TTL	NAN	BSI STANDARD IC	DIL14C	+5V	85C	-	-	N004	TII	SN6410J
BS9401F0026	TTL	NAN	BSI STANDARD IC	DIL14C	+5V	85C	-	-	N008	TII	SN6420J
BS9401F0027	TTL	NAN	BSI STANDARD IC	DIL14C	+5V	85C	-	-	N010	TII	SN6430J
BS9401F0028	TTL	BUF	BSI STANDARD IC	DIL14C	+5V	85C	-	-	N008	TII	SN6440J

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAK ER	SUBSTITUTE
BS9401F0029	TTL	NAN	BSI STANDARD IC	DIL14C	+5V	70C	-	-	N001	TII	SN7400J
BS9401F0030	TTL	NAN	BSI STANDARD IC	DIL14C	+5V	70C	-	-	N004	TII	SN7410J
BS9401F0031	TTL	NAN	BSI STANDARD IC	DIL14C	+5V	70C	-	-	N008	TII	SN7420J
BS9401F0032	TTL	NAN	BSI STANDARD IC	DIL14C	+5V	70C	-	-	N010	TII	SN7430J
BS9401F0033	TTL	BUF	BSI STANDARD IC	DIL14C	+5V	70C	-	-	N008	TII	SN7440J
BS9401F0038	LTL	NAN	BSI STANDARD IC	DIL14C	+5V	125	-	-	N001	FER	ZN54L00J
BS9401F0039	LTL	NAN	BSI STANDARD IC	DIL14C	+5V	125	-	-	N004	FER	ZN54L10J
BS9401F0040	LTL	NAN	BSI STANDARD IC	DIL14C	+5V	125	-	-	N008	FER	ZN54L20J
BS9401F0041	LTL	NAN	BSI STANDARD IC	DIL14C	+5V	125	-	-	N010	FER	ZN54L30J
BS9401F0042	LTL	XOR	BSI STANDARD IC	DIL14P	+5V	125	-	-	X001	FER	ZN54L86J
BS9401F0043	LTL	NAN	BSI STANDARD IC	DIL14C	+5V	125	-	-	N001	FER	ZN54L00J
BS9401F0044	LTL	NAN	BSI STANDARD IC	DIL14C	+5V	125	-	-	N004	FER	ZN54L10J
BS9401F0045	LTL	NAN	BSI STANDARD IC	DIL14C	+5V	125	-	-	N008	FER	ZN54L20J
BS9401F0046	LTL	NAN	BSI STANDARD IC	DIL14C	+5V	125	-	-	N010	FER	ZN54L30J
BS9401F0048	LTL	NAN	BSI STANDARD IC	DIL14C	+5V	125	-	-	N001	FER	ZN54L00J
BS9401F0049	LTL	NAN	BSI STANDARD IC	DIL14C	+5V	125	-	-	N004	FER	ZN54L10J
BS9401F0050	TTL	NAN	BSI STANDARD IC	DIL14C	+5V	125	-	-	N008	FER	ZN54L20J
BS9401F0051	LTL	NAN	BSI STANDARD IC	DIL14C	+5V	125	-	-	N010	FER	ZN54L30J
BS9401F0052	LTL	XOR	BSI STANDARD IC	DIL14C	+5V	125	-	-	X001	FER	ZN54L86J
BS9401F0053	TTL	NAN	BSI STANDARD IC	DIL14C	+5V	125	-	-	N001	TII	SN5400J
BS9401F0054	TTL	NAN	BSI STANDARD IC	DIL14C	+5V	125	-	-	N004	TII	SN5410J
BS9401F0055	TTL	NAN	BSI STANDARD IC	DIL14C	+5V	125	-	-	N008	TII	SN5420J
BS9401F0056	TTL	NAN	BSI STANDARD IC	DIL14C	+5V	125	-	-	N010	TII	SN5430J
BS9401F0057	TTL	BUF	BSI STANDARD IC	DIL14C	+5V	125	-	-	N008	TII	SN5440J
BS9401F0058	TTL	NAN	BSI STANDARD IC	DIL14C	+5V	125	-	-	N001	TII	SN5400J
BS9401F0059	TTL	NAN	BSI STANDARD IC	DIL14C	+5V	125	-	-	N004	TII	SN5410J
BS9401F0060	TTL	NAN	BSI STANDARD IC	DIL14C	+5V	125	-	-	N008	TII	SN5420J
BS9401F0061	TTL	NAN	BSI STANDARD IC	DIL14C	+5V	125	-	-	N010	TII	SN5430J
BS9401F0062	TTL	BUF	BSI STANDARD IC	DIL14C	+5V	125	-	-	N008	TII	SN5440J
BS9401F0063	TTL	NAN	BSI STANDARD IC	DIL14C	+5V	125	-	-	N001	TII	SN5400J
BS9401F0064	TTL	NAN	BSI STANDARD IC	DIL14C	+5V	125	-	-	N004	TII	SN5410J
BS9401F0065	TTL	NAN	BSI STANDARD IC	DIL14C	+5V	125	-	-	N008	TII	SN5420J
BS9401F0066	TTL	NAN	BSI STANDARD IC	DIL14C	+5V	125	-	-	N010	TII	SN5430J
BS9401F0067	TTL	BUF	BSI STANDARD IC	DIL14C	+5V	125	-	-	N008	TII	SN5440J
BS9401F0068	TTL	NAN	BSI STANDARD IC	DIL14C	+5V	125	-	-	N001	FER	ZN54L03J
BS9401F0069	LTL	NAN	BSI STANDARD IC	DIL14C	+5V	85C	-	-	N001	FER	ZN64L03J
BS9401F0070	LTL	NAN	BSI STANDARD IC	DIL14C	+5V	70C	-	-	N001	FER	ZN74L03J
BS9401F0071	TTL	XOR	BSI STANDARD IC	DIL14C	+5V	125	-	-	X001	TII	SN5486J
BS9401F0072	TTL	XOR	BSI STANDARD IC	DIL14C	+5V	85C	-	-	X001	TII	SN6486J
BS9401F0073	TTL	XOR	BSI STANDARD IC	DIL14C	+5V	70C	-	-	X001	TII	SN7486J
BS9401F0078	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5401J
BS9401F0079	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5403J
BS9401F0080	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5412J
BS9401F0081	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6401J
BS9401F0082	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6403J
BS9401F0083	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6412J
BS9401F0084	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7401J
BS9401F0085	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7403J
BS9401F0086	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7412J
BS9401F0087	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5402J
BS9401F0088	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5425J
BS9401F0089	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5427J
BS9401F0090	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6402J
BS9401F0091	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6425J
BS9401F0092	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6427J
BS9401F0093	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7402J
BS9401F0094	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7425J
BS9401F0095	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7427J
BS9401F0096	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5408J
BS9401F0097	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5409J
BS9401F0098	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6408J
BS9401F0099	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6409J
BS9401F0100	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7408J
BS9401F0101	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7409J
BS9401F0102	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5413J
BS9401F0103	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6413J
BS9401F0104	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74103J
BS9401F0105	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5428J
BS9401F0106	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6428J
BS9401F0107	TTL	-	BSI STANDARD IC	-	-	-	-	-	-	TII	SN7428J
BS9401F0108	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5432J
BS9401F0109	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6432J
BS9401F0110	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7432J
BS9401F0111	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5437J
BS9401F0112	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5438J

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
BS9401F0113	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6437J
BS9401F0114	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6438J
BS9401F0115	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7473J
BS9401F0116	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7438J
BS9401F0117	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5401J
BS9401F0118	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5403J
BS9401F0119	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5412J
BS9401F0120	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5401J
BS9401F0121	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5403J
BS9401F0122	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5412J
BS9401F0123	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5401J
BS9401F0124	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5403J
BS9401F0125	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5412J
BS9401F0126	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5402J
BS9401F0127	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5425J
BS9401F0128	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5427J
BS9401F0129	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5402J
BS9401F0130	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5425J
BS9401F0131	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5427J
BS9401F0132	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5402J
BS9401F0133	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5425J
BS9401F0134	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5427J
BS9401F0135	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5408J
BS9401F0136	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5409J
BS9401F0137	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5408J
BS9401F0138	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5409J
BS9401F0139	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5408J
BS9401F0140	TTL	-	BSI STANDARD IC	-	-	-	-	-	-	TII	SN5409J
BS9401F0141	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5437J
BS9401F0142	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5438J
BS9401F0143	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5437J
BS9401F0144	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5438J
BS9401F0145	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5437J
BS9401F0146	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5438J
BS9401F0147-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5413J
BS9401F0150-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5428J
BS9401F0153-5	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5432J
BS9401F0156-8	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5486J
BS9401F0159	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L01J
BS9401F0160	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L01J
BS9401F0161	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L01J
BS9401F0162	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L02J
BS9401F0163	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L02J
BS9401F0164	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L02J
BS9401F0165-7	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L01J
BS9401F0168-9	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L02J
BS9401F0170	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L02J
BS9401F0171-3	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L03J
BS9401F0188-9	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5437J
BS9401F0190-2	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S37J
BS9401F0193-6	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S37J
BS9401F0197-9	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74S37J
BS9401F0200	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74S37J
BS9401F0201-5	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S38J
BS9401F0206-9	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S38J
BS9401F0210-3	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74S38J
BS9401F0214-8	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S40J
BS9401F0219	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S40J
BS9401F0220-2	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S40J
BS9401F0223-6	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74S40J
BS9401F0227-9	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S132J
BS9401F0230-1	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S132J
BS9401F0232-5	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S132J
BS9401F0236-9	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74S132J
BS9401F0240	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5400J
BS9401F0241-3	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6400J
BS9401F0244-6	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7400J
BS9401F0247-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54132J
BS9401F0250-1	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54132J
BS9401F0252-5	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64132J
BS9401F0256-9	TTL	-		-	+5V	-	-	-	-	TII	SN74132J
BS9401F0260-4	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S133J
BS9401F0265-8	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S133J
BS9401F0269	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74S133J
BS9401F0270-2	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74S133J

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
BS9401F0273-7	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S140J
BS9401F0278-9	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S140J
BS9401F0280-1	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S140J
BS9401F0282-5	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74S140J
BS9401F0286-9	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S260J
BS9401F0290	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S260J
BS9401F0291-4	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S260J
BS9401F0295-8	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74S260J
BS9401F0299	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5401J
BS9401F0300-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6401J
BS9401F0303-5	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7401J
BS9401F0312-6	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5417J
BS9401F0317-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6417J
BS9401F0320	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6417J
BS9401F0321-4	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7417J
BS9401F0351	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5402J
BS9401F0352-4	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6402J
BS9401F0355-7	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7402J
BS9401F0358	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5403J
BS9401F0360-1	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6403J
BS9401F0362-4	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7403J
BS9401F0365	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5408J
BS9401F0366-8	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6408J
BS9401F0369	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7408J
BS9401F0370-1	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7408J
BS9401F0372	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5410J
BS9401F0373-5	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6410J
BS9401F0376-8	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7410J
BS9401F0379	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5412J
BS9401F0380-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6412J
BS9401F0383-5	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7412J
BS9401F0386	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5413J
BS9401F0387-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6413J
BS9401F0390-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7413J
BS9401F0393	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5420J
BS9401F0394-6	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6420J
BS9401F0397-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7420J
BS9401F0400	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5425J
BS9401F0401-3	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6425J
BS9401F0404-6	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7425J
BS9401F0407	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5427J
BS9401F0408-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6427J
BS9401F0410	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6427J
BS9401F0411-3	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7427J
BS9401F0414	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5430J
BS9401F0415-7	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6430J
BS9401F0418-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7430J
BS9401F0420	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7430J
BS9401F0421	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5432J
BS9401F0422-4	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6432J
BS9401F0425-7	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7432J
BS9401F0428	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5437J
BS9401F0429	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6437J
BS9401F0430-1	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6437J
BS9401F0432-4	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7437J
BS9401F0435	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5440J
BS9401F0436-8	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6440J
BS9401F0439	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7440J
BS9401F0440-1	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7440J
BS9401F0442	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L00J
BS9401F0443-5	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L00J
BS9401F0446-8	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L00J
BS9401F0449	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5428J
BS9401F0450-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6428J
BS9401F0453-5	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7428J
BS9401F0456	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5438J
BS9401F0456-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6438J
BS9401F0460-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7438J
BS9401F0463	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L02J
BS9401F0464-6	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L02J
BS9401F0467-9	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L02J
BS9401F0470	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5409J
BS9401F0471-3	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6409J
BS9401F0474-6	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7409J
BS9401F0477	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L03J

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
BS9401F0478-9	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L03J
BS9401F0480	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L03J
BS9401F0481-3	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L03J
BS9401F0484	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L10J
BS9401F0485-7	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L10J
BS9401F0488-9	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L10J
BS9401F0490	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L10J
BS9401F0491-3	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L30J
BS9401F0494	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L30J
BS9401F0495-7	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L30J
BS9401F0517-9	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54H10J
BS9401F0520-1	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54H10J
BS9401F0522-5	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64H10J
BS9401F0526-9	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74H10J
BS9401F0553-7	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54H20J
BS9401F0558-9	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64H20J
BS9401F0560-1	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64H20J
BS9401F0562-5	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74H20J
BS9401F0571-5	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54H21J
BS9401F0576-9	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64H21J
BS9401F0580-3	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74H21J
BS9401F0589	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54H30J
BS9401F0590-3	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54H30J
BS9401F0594-7	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64H30J
BS9401F0598-9	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74H30J
BS9401F0600-1	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74H30J
BS9401F0625-9	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S00J
BS9401F0630-3	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S00J
BS9401F0634-7	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74S00J
BS9401F0643-7	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S10J
BS9401F0648-9	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S10J
BS9401F0650-1	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S10J
BS9401F0652-5	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74S10J
BS9401F0679	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5486J
BS9401F0680-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6486J
BS9401F0683-5	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7486J
BS9401F0686-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS00J
BS9401F0690	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS00J
BS9401F0691-4	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS00J
BS9401F0695-8	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS00J
BS9401F0699	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS01J
BS9401F0700-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS01J
BS9401F0704-7	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS01J
BS9401F0708-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS01J
BS9401F0710-1	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS01J
BS9401F0712-6	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS02J
BS9401F0717-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS02J
BS9401F0720	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS02J
BS9401F0721-4	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS02
BS9401F0725-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS08J
BS9401F0730-2	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS08J
BS9401F0733-7	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS08J
BS9401F0738-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS10J
BS9401F0740-2	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS10J
BS9401F0743-6	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS10J
BS9401F0747-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS10J
BS9401F0750	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS10J
BS9401F0751-5	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS11J
BS9401F0756-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS11J
BS9401F0760-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS11J
BS9401F0764-8	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS20J
BS9401F0769	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS20J
BS9401F0770-2	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS20J
BS9401F0774-6	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS20J
BS9401F0777-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS21J
BS9401F0780-1	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS21J
BS9401F0782-5	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS21J
BS9401F0786-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS21J
BS9401F0790-4	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS27J
BS9401F0795-8	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS27J
BS9401F0799	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS27J
BS9401F0800-2	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS27J
BS9401F0803-7	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS30J
BS9401F0808-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS30J
BS9401F0810-1	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS30J

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
BS9401F0812-5	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS30J
BS9401F0816-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS32J
BS9401F0820	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS32J
BS9401F0821-4	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS32J
BS9401F0825-8	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS32J
BS9401F0829	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS37J
BS9401F0830-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS37J
BS9401F0834-7	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS37J
BS9401F0838-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS37J
BS9401F0840-1	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS37J
BS9401F0842-6	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS38J
BS9401F0847-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS38J
BS9401F0850	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS38J
BS9401F0851-4	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS38J
BS9401F0855-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS40J
BS9401F0860-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS40J
BS9401F0864-7	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS40J
BS9401F0868-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS86J
BS9401F0870-2	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS86J
BS9401F0873-6	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS86J
BS9401F0877-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS86J
BS9401F0880	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS86J
BS9401F0881-5	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS132J
BS9401F0886-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS132J
BS9401F0890-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS132J
BS9401F0894-8	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS13J
BS9401F0899	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS13J
BS9401F0900-2	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS13J
BS9401F0903-6	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS13J
BS9401F0907-9	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S02J
BS9401F0910-1	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S02J
BS9401F0912-5	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S02J
BS9401F0916-9	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74S02J
BS9401F0920-4	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S03J
BS9401F0925-8	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S03J
BS9401F0929	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74S03J
BS9401F0930-2	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74S03J
BS9401F0933-7	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S08J
BS9401F0938-9	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S08J
BS9401F0940-1	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S08J
BS9401F0942-5	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74S08J
BS9401F0946-9	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S11J
BS9401F0950	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S11J
BS9401F0951-4	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S11J
BS9401F0955-8	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7411J
BS9401F0959	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L20J
BS9401F0960	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L20J
BS9401F0961-2	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L20
BS9401F0963-5	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L20J
BS9401F0972-6	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S20J
BS9401F0977-9	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S20J
BS9401F0980	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S20J
BS9401F0981-4	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74S20J
BS9401F0985-9	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S30J
BS9401F0990-3	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S30J
BS9401F0994-7	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74S30J
BS9401F0998	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L01J
BS9401F0999	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L01J
BS9401F1002-4	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L01J
BS9401F1005	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L86J
BS9401F1006-8	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L86J
BS9401F1009	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L86J
BS9401F1010-1	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L86J
BS9401F1038-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5407J
BS9401F1040-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5407J
BS9401F1043-6	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6407J
BS9401F1047-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7407J
BS9401F1050	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7407J
BS9401F1077-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5422J
BS9401F1080-1	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5422J
BS9401F1082-5	TTL		BSI STANDARD IC		+5V		-			TII	SN6422J
BS9401F1086-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7422J
BS9401F1103-7	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5423J
BS9401F1108-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6423J
BS9401F1110-1	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6423J

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
BS9401F1112-5	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7423J
BS9401F1116-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5426J
BS9401F1120	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5426J
BS9401F1121-4	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6426J
BS9401F1125-8	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7426J
BS9401F1129	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5433J
BS9401F1130-3	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5433J
BS9401F1134-7	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6433J
BS9401F1138-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7433J
BS9401F1140-1	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7433J
BS9401F1194-8	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS03J
BS9401F1199	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS03J
BS9401F1200-2	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS03J
BS9401F1203-6	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS03J
BS9401F1207-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS09J
BS9401F1210-1	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS09J
BS9401F1212-5	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS09J
BS9401F1216-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS09J
BS9401F1220-4	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS15J
BS9401F1225-8	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS15J
BS9401F1229	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS15J
BS9401F1230-2	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS15J
BS9401F1233-7	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS22J
BS9401F1238-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS22J
BS9401F1240-1	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS22J
BS9401F1242-5	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS22J
BS9401F1246-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS26J
BS9401F1250	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS26J
BS9401F1251-4	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS26J
BS9401F1255-8	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS26J
BS9401F1259	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS28J
BS9401F1260-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS28J
BS9401F1264-7	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS28J
BS9401F1268-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS28J
BS9401F1270-1	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS28J
BS9401F1272-6	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS33J
BS9401F1277-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS33J
BS9401F1280	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS33J
BS9401F1281-4	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS33J
BS9401F1285-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS136J
BS9401F1290-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS136J
BS9401F1294-7	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS136J
BS9401F1324-8	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S22J
BS9401F1329	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S22J
BS9401F1330-2	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S22J
BS9401F1333-6	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74S22J
BS9401F1389	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54H22J
BS9401F1390-3	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54H22J
BS9401F1394-7	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64H22J
BS9401F1398-9	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74H22J
BS9401F1400-1	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74H22J
BS9401F1418-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM7092
BS9401F1420-1	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM7092J
BS9401F1474-8	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54LS12J
BS9401F1479	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM64LS12J
BS9401F1480-2	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM64LS12J
BS9401F1483-6	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM74LS12J
BS9401F1487-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM71LS95J
BS9401F1490	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM71LS95J
BS9401F1491-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM81LS95J
BS9401F1494-7	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM71LS97J
BS9401F1498-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM81LS97J
BS9401F1500	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM81LS97J
BS9401F1523-6	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM5411J
BS9401F1528	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM6411J
BS9401F1530	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM7411J
BS9401F1579	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54LS266J
BS9401F1580-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54LS266J
BS9401F1584-7	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM64LS266J
BS9401F1588-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM74LS266J
BS9401F1590-1	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM74LS266J
BS9401F1592-6	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54LS386J
BS9401F1597-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM64LS386J
BS9401F1600	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM64LS386J
BS9401F1601-4	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM74LS386J

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
BS9401F1677-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54132J
BS9401F1680	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54132J
BS9401F1681	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM64132J
BS9401F1682	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM74132J
BS9401F1724-8	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM7090J
BS9401F1729	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM8090J
BS9401F1757-8	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7400J
BS9401F1759	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7401J
BS9401F1760	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7401J
BS9401F1761-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7402J
BS9401F1763-4	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7403J
BS9401F1765-6	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7410J
BS9401F1767-8	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7413J
BS9401F1769	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7420J
BS9401F1770	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7420J
BS9401F1771-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7430J
BS9401F1773-4	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7473J
BS9401F1775-6	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7440J
BS9401F1777-8	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7486J
BS9401F1779	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L00J
BS9401F1780	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L00J
BS9401F1781-2	-	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L02J
BS9401F1783-4	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L03J
BS9401F1785-6	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L10J
BS9401F1787-8	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L20J
BS9401F1789	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L30J
BS9401F1790	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L30J
BS9401F1804-5	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7408J
BS9401F1806-7	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7425J
BS9401F1808-9							-				ZN7438J
BS9402F0001-4	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U6A9932 (932)
BS9402F0005-7	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U3I9932 (932)
BS9402F0008-9	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U6A9944 (944)
BS9402F0010-1	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U6A9944 (944)
BS9402F0012-4	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U3I9945 (945)
BS9402F0015-8	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U6A9930 (930)
BS9402F0019	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U3I9930 (930)
BS9402F0020-1	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U3I9930 (930)
BS9402F0022-5	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U6A9946 (946)
BS9402F0026-8	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U3I9946 (946)
BS9402F0029	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U6A9962 (962)
BS9402F0030-2	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U6A9962 (962)
BS9402F0033-5	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U3I9962 (962)
BS9402F0036-9	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U6A9933 (933)
BS9402F0040-2	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U3I9933 (933)
BS9402F0071-2	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U6A9930 (930)
BS9402F0073-4	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U3I9930 (930)
BS9402F0075-6	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U6A9933 (933)
BS9402F0077-8	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U3I9933 (933)
BS9402F0079	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U6A9944 (944)
BS9402F0080	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U3I9944 (944)
BS9402F0081-2	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U3I9944 (944)
BS9402F0083-4	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U6A9962 (962)
BS9402F0085-6	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U3I9962 (962)
BS9402F0087-8	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U6A9946 (946)
BS9402F0089	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U3I9946 (946)
BS9402F0090	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U3I9946 (946)
BS9402F0091-2	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U6A9932 (932)
BS9402F0093-4	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U3I9932 (932)
BS9403F0001	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L04J
BS9403F0002	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L04J
BS9403F0003	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L04J
BS9403F0004	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5404J
BS9403F0005	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5405J
BS9403F0006	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6404J
BS9403F0007	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6405J
BS9403F0008	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7404J
BS9403F0009	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7405J
BS9403F001C-2	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	ZN54L04J
BS9403F0013	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5404J
BS9403F0014	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5405J
BS9403F0015	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5404J
BS9403F0016	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5405J
BS9403F0017	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5404J
BS9403F0018	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5404J

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
BS9403F0019	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5404J
BS9403F0020-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6404J
BS9403F0023-5	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7404J
BS9403F0026	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5405J
BS9403F0027-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6405J
BS9403F0030-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7405J
BS9403F0003	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L04J
BS9403F0034-6	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L04J
BS9403F0037-9	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L04J
BS9403F0040-4	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54H05J
BS9403F0045-8	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64H05J
BS9403F0049	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74H05J
BS9403F0050-2	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74H05J
BS9403F0073-7	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5406J
BS9403F0078-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6406J
BS9403F0080-1	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6406J
BS9403F0082-5	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7406J
BS9403F0091-5	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5414J
BS9403F0096-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6414J
BS9403F0100-3	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7414J
BS9403F0109	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5416J
BS9403F0110-3	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5416J
BS9403F0114-7	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6416J
BS9403F0118-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7416J
BS9403F0120-1	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7416J
BS9403F0127-9	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54H04J
BS9403F0130-1	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54H04J
BS9403F0132-5	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64H04J
BS9403F0136-9	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74H04J
BS9403F0145-9	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S04J
BS9403F0150-3	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S04J
BS9403F0154-7	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74S04J
BS9403F0163-7	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS04J
BS9403F0168-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS04J
BS9403F0170-1	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS04J
BS9403F0172-5	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS04J
BS9403F0181-5	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS05J
BS9403F0186-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS05J
BS9403F0190-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS05J
BS9403F0194-8	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS14J
BS9403F0199	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS14J
BS9403F0200-2	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS14J
BS9403F0203-6	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS14J
BS9403F0220-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM71LS96J
BS9403F0224-6	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM81LS96J
BS9403F0227-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM71LS98J
BS9403F0230	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM71LS98J
BS9403F0231-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM81LS98J
BS9403F0235-6	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7404J
BS9403F0237-8	TTL	-	BSI STANDING IC	-	+5V	-	-	-	-	FER	ZN7405J
BS9403F0239	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L04J
BS9403F0240	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L04J
BS9403F0241-5	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54LS368AJ
BS9403F0246-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM64LS368AJ
BS9403F0250-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM74LS368AJ
BS9404F0001-4	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U6A9935 (935)
BS9404F0005-7	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U3I9935 (935)
BS9404F0008-9	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U6A9936 (936)
BS9404F0010-1	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U6A9936
BS9404F0012-4	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U3I9936 (936)
BS9404F0019	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U6A9936 (936)
BS9404F0020	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U6A9936 (936)
BS9404F0021-2	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U3I9936
BS9404F0023-4	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U6A9935
BS9404F0025-6	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	OBS	U3I9935 (935)
BS9405F0001	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54LS51J
BS9405F0002	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L54J
BS9405F0003	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L55J
BS9405F0004	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L51J
BS9405F0005	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L54J
BS9405F0006	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L55J
BS9405F0007	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L51J
BS9405F0008	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L54J
BS9405F0009	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L55J
BS9405F0010	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5450J

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
BS9405F0011	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5451J
BS9405F0012	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5453J
BS9405F0013	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5454J
BS9405F0014	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6450J
BS9405F0015	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6451J
BS9405F0016	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6453J
BS9405F0017	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6454J
BS9405F0018	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7450J
BS9405F0019	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7451J
BS9405F0020	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7453J
BS9405F0021	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7454J
BS9405F0022	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L51J
BS9405F0023	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L54J
BS9405F0024	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L55J
BS9405F0025	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L51J
BS9405F0026	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L54J
BS9405F0027	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L55J
BS9405F0028	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L51J
BS9405F0029	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L54J
BS9405F0030	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L55J
BS9405F0031	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5450J
BS9405F0032	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5451J
BS9405F0033	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN5453J
BS9405F0034	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5454J
BS9405F0035	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5450J
BS9405F0036	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5451J
BS9405F0037	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5453J
BS9405F0038	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5454J
BS9405F0039	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5450J
BS9405F0040	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5451J
BS9405F0041	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5453J
BS9405F0042	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5454J
BS9405F0043	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5482J
BS9405F0044	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6482J
BS9405F0045	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7482J
BS9405F0046	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5483AJ
BS9405F0047	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6483AJ
BS9405F0048	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7483AJ
BS9405F0049	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5485J
BS9405F0050	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6485J
BS9405F0051	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7485J
BS9405F0052	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54150J
BS9405F0053	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM65150J
BS9405F0054	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM74150J
BS9405F0055	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54151AJ
BS9405F0056	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64151AJ
BS9405F0057	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74151AJ
BS9405F0058	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54153J
BS9405F0059	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64153J
BS9405F0060	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74153J
BS9405F0061	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54154J
BS9405F0062	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM64154J
BS9405F0063	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM74154J
BS9405F0064	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54155J
BS9405F0065	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64155J
BS9405F0066	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74155J
BS9405F0067	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54157J
BS9405F0068	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64157J
BS9405F0069	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74157J
BS9405F0070	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54180J
BS9405F0071	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64180J
BS9405F0072	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74180J
BS9405F0073	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54181J
BS9405F0074	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64181J
BS9405F0075	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74181J
BS9405F0079	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5482J
BS9405F0080-1	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5482J
BS9405F0082-4	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5483AJ
BS9405F0085-7	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5485J
BS9405F0088-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54150J
BS9405F0090	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54150J
BS9405F0091-3	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54151AJ
BS9405F0094-6	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54153J
BS9405F0097-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54154J
BS9405F0100-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54155J

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
BS9405F0103-5	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54157J
BS9405F0106-8	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54180J
BS9405F0109	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54181J
BS9405F0110-1	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54181J
BS9405F0115	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L85J
BS9405F0116	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L85J
BS9405F0118-9	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L85J
BS9405F0120	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L85J
BS9405F0127	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5450J
BS9405F0128-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6450J
BS9405F0130	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6450J
BS9405F0131-3	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7450J
BS9405F0134	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5451J
BS9405F0135	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6451J
BS9405F0136-7	-	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6451J
BS9405F0138-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7451J
BS9405F0140-1	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7451J
BS9405F0142-4	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6453J
BS9405F0145-7	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7453J
BS9405F0148	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5454J
BS9405F0149	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6454J
BS9405F0150-1	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6454J
BS9405F0152-4	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7454J
BS9405F0155	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5482J
BS9405F0156-8	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6482J
BS9405F0159	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7482J
BS9405F0160-1	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7482J
BS9405F0162	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5483AJ
BS9405F0163-5	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6483AJ
BS9405F0166-8	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7483AJ
BS9405F0169	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5485J
BS9405F0170-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6485J
BS9405F0173-5	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7485J
BS9405F0176	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54150J
BS9405F0177-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM64150J
BS9405F0180-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM74150J
BS9405F0183	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54151AJ
BS9405F0184-6	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6415AJ
BS9405F0187-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74151AJ
BS9405F0190	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54153J
BS9405F0191-3	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64153J
BS9405F0194-6	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74153J
BS9405F0197	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54154J
BS9405F0198-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64154J
BS9405F0200	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM64154J
BS9405F0201-3	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM74154J
BS9405F0204	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54155J
BS9405F0205-7	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64155J
BS9405F0208-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74155J
BS9405F0210	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74155J
BS9405F0224	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54157J
BS9405F0225-7	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64157J
BS9405F0228-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74157J
BS9405F0230	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74157J
BS9405F0244	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54180J
BS9405F0245-7	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64180J
BS9405F0248-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74180J
BS9405F0250	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74180J
BS9405F0251	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54181J
BS9405F0252-4	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64181J
BS9405F0255-7	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74181J
BS9405F0258	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L51J
BS9405F0259	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L51J
BS9405F0260-1	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L51J
BS9405F0262-4	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L51J
BS9405F0265-8	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L54J
BS9405F0269	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L54J
BS9405F0270-1	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L54J
BS9405F0272	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L55J
BS9405F0273-5	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L55J
BS9405F0276-8	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L55J
BS9405F0279	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L85J
BS9405F0280-2	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L85J
BS9405F0283-5	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L85J
BS9405F0325-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54283J

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
BS9405F0330-3	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64283J
BS9405F0334-7	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74283J
BS9405F0343-7	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54H50J
BS9405F0348-9	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64H50J
BS9405F0350-1	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64H50J
BS9405F0352-5	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74H50J
BS9405F0379	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54H55J
BS9405F0380-3	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54H55J
BS9405F0384-7	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64H55J
BS9405F0388-9	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74H55J
BS9405F0390-1	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74H55J
BS9405F0397-9	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54H183J
BS9405F0400-1	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54H183J
BS9405F0402-5	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64H183J
BS9405F0406-9	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74H183J
BS9405F0410-4	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54LS55J
BS9405F0415-8	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM64LS55J
BS9405F0419	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM74LS55J
BS9405F0420-2	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM74LS55J
BS9405F0433-7	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	SN54S157J
BS9405F0438-9	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S157J
BS9405F0440-1	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S157J
BS9405F0442-5	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74S157J
BS9405F0451-5	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS51J
BS9405F0456-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS51J
BS9405F0460-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS51J
BS9405F0464-8	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS54J
BS9405F0469	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS54J
BS9405F0470-2	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS54J
BS9405F0473-6	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS54J
BS9405F0477-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS85J
BS9405F0480-1	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS85J
BS9405F0482-5	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS85J
BS9405F0486-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS85J
BS9405F0490-4	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54LS138J
BS9405F0495-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM64LS138J
BS9405F0499	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM74LS138J
BS9405F0500-2	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM74LS138J
BS9405F0503-7	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS139J
BS9405F0508-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS139J
BS9405F0510-1	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS139J
BS9405F0512-5	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS139J
BS9405F0516-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54LS151J
BS9405F0520	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54LS151J
BS9405F0521-4	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM64LS151J
BS9405F0525-8	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM74LS151J
BS9405F0529	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM74LS151J
BS9405F0530-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS153J
BS9405F0534-7	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS153J
BS9405F0538-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS153J
BS9405F0540-1	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS153J
BS9405F0542-6	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS157J
BS9405F0547-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS157J
BS9405F0550	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS157J
BS9405F0551-4	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS157J
BS9405F0555-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS158J
BS9405F0560-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS158J
BS9405F0564-7	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS158J
BS9405F0568-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS283J
BS9405F0570-2	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS283J
BS9405F0573-6	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS283J
BS9405F0577-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS283J
BS9405F0580	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS283J
BS9405F0594-8	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S64J
BS9405F0599	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S64J
BS9405F0600-2	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S64J
BS9405F0603-6	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74S64J
BS9405F0607-9	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S65J
BS9405F0610-1	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S65J
BS9405F0612-5	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S65J
BS9405F0616-9	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74S65J
BS9405F0646-9	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S153J
BS9405F0650	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S153J
BS9405F0651-4	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S153J
BS9405F0655-8	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74S153J

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
BS9405F0659	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S158J
BS9405F0660-3	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S158J
BS9405F0664-7	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S158J
BS9405F0668-9	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74S158J
BS9405F0670-1	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S158J
BS9405F0698-9	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54H51J
BS9405F0700-2	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54H51J
BS9405F0703-6	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64H51J
BS9405F0707-9	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74H51J
BS9405F0710	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74H51J
BS9405F0724-8	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54H54J
BS9405F0729	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64H54J
BS9405F0730-2	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64H54J
BS9405F0733-6	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74H54J
BS9405F0737-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS83AJ
BS9405F0740-1	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS83AJ
BS9405F0742-5	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS83AJ
BS9405F0746-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS83AW
BS9405F0763-7	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS155J
BS9405F0768-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS155J
BS9405F0770-1	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS155J
BS9405F0772-5	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS155J
BS9405F0776-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS156J
BS9405F0780	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS156J
BS9405F0781-4	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS156J
BS9405F0785-8	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS156J
BS9405F0906	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM9301J
BS9405F0935-8	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM5423J
BS9405F0943-6	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM5453J
BS9405F0947	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM6423J
BS9405F0949	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM6453J
BS9405F0950	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM7423J
BS9405F0952	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM7453J
BS9405F0980-3	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM5460J
BS9405F0984	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM6460J
BS9405F0985	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM7460J
BS9405F0992-5	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM5454J
BS9405F0996	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM6454J
BS9405F0997	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM7454J
BS9405F1004-7	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM5442J
BS9405F1008	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM6442J
BS9405F1009	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM7442J
BS9405F1022	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM5442J
BS9405F1023-5	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM6442J
BS9405F1026-8	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM7442J
BS9405F1072-5	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM9301J
BS9405F1076	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM8301J
BS9405F1078-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54LS251J
BS9405F1080-2	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54LS251J
BS9405F1083-6	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM64LS251J
BS9405F1087-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM74LS251
BS9405F1090	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM74LS251
BS9405F1105-6	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7450J
BS9405F1107-8	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7451J
BS9405F1109	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7454J
BS9405F1110	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7454J
BS9405F1113-4	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7485J
BS9405F1115-6	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74151AJ
BS9405F1117-8	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74153J
BS9405F1119	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74154J
BS9405F1120	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74154J
BS9405F1123-4	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74157J
BS9405F1125-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54LS154J
BS9405F1130-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM64LS154J
BS9405F1134-7	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM74LS154J
BS9405F1138-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54LS257AJ
BS9405F1140-2	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54LS257AJ
BS9405F1143-6	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM64LS257AJ
BS9405F1147-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM74LS257AJ
BS9405F1150	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM74LS257AJ
BS9405F1177-8	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74180J
BS9405F1207-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54LS373J
BS9405F1210-1	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54LS373J
BS9405F1212-5	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM64LS373J
BS9405F1216-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM74LS373J

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
BS9420F0001	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L73J
BS9420F0002	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L73J
BS9420F0003	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L73J
BS9420F0007	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5470J
BS9420F0008	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6470J
BS9420F0009	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7470J
BS9420F0010	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5472J
BS9420F0011	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6472J
BS9420F0012	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7472J
BS9420F0013	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN5473J
BS9420F0014	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN6473J
BS9420F0015	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7473J
BS9420F0016	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5474J
BS9420F0017	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6474J
BS9420F0018	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7474J
BS9420F0019	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54107J
BS9420F0020	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64107J
BS9420F0021	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74107J
BS9420F0022-4	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	ZN54L73J
BS9405F0025-7	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5470J
BS9420F0028-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5472J
BS9420F0030	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5472J
BS9420F0031-3	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5473J
BS9420F0034-6	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5474J
BS9420F0037-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54107J
BS9420F0040	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7475J
BS9420F0041	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6475J
BS9420F0042	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7475J
BS9420F0043	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN5476J
BS9420F0044	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN6476J
BS9420F0045	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7476J
BS9420F0046	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54118J
BS9420F0047	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64118J
BS9420F0048	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74118J
BS9420F0049	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54119J
BS9428F0050	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64119J
BS9420F0051	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74119J
BS9420F0052	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54174J
BS9420F0053	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64174J
BS9420F0054	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74174J
BS9420F0055	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54175J
BS9420F0056	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64175J
BS9420F0057	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74175J
BS9420F0058-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5475J
BS9420F0060	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5475J
BS9420F0061-3	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN5476J
BS9420F0064-6	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54118J
BS9420F0067-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54119J
BS9420F0070-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54174J
BS9420F0073-5	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54175J
BS9420F0076	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L74J
BS9420F0077	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L74J
BS9420F0078	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L74J
BS9420F0079	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L75J
BS9420F0080	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L75J
BS9420F0081	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	ZN74L75J
BS9420F0082-4	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L74J
BS9420F0085-7	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L75J
BS9420F0090	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5473J
BS9420F0091-3	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6473J
BS9420F0094-6	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7473J
BS9420F0097	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5474J
BS9420F0098-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6474J
BS9420F0100	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6474J
BS9420F0101-3	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7474J
BS9420F0104	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5475J
BS9420F0105-7	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6475J
BS9420F0108-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7475J
BS9420F0110	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7475J
BS9420F0111	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN5476J
BS9420F0112-4	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN6476J
BS9420F0115-6	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7476J
BS9420F0118	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54107J
BS9420F0119	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64107J
BS9420F0120-1	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64107J

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
BS9420F0122-4	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74107J
BS9420F0125	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54118J
BS9420F0126-8	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64118J
BS9420F0129	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74118J
BS9420F0130-1	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74118J
BS9420F0132	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54119J
BS9420F0133-5	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64119J
BS9420F0136-8	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74119J
BS9420F0139	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54174J
BS9420F0140-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64174J
BS9420F0143-5	TTL	-	BSI STANDARD IC	-	-	-	-	-	-	TII	SN74174J
BS9420F0161	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54175J
BS9420F0162-4	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64175J
BS9420F0165-7	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74175J
BS9420F0168	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L73J
BS9420F0169	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L73J
BS9420F0170-1	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L73J
BS9420F0172-4	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L73J
BS9420F0175	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L74J
BS9420F0176-8	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L74J
BS9420F0179	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L74J
BS9420F0180-1	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L74J
BS9420F0182	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L75J
BS9420F0183-5	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L75J
BS9420F0186-8	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L75J
BS9420F0202-6	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54H71J
BS9420F0207-9	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64H71J
BS9420F0210	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64H71J
BS9420F0211-4	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74H71J
BS9420F0220-4	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54H73J
BS9420F0225-8	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64H73J
BS9420F0229	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74H73J
BS9420F0230-2	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74H73J
BS9420F0238-9	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54H74J
BS9420F0240-2	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54H74J
BS9420F0243-6	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64H74J
BS9420F0247-9	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74H74J
BS9420F0250	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74H74J
BS9420F0256-9	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54H78J
BS9420F0260	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54H78J
BS9420F0261-4	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64H78J
BS9420F0265-8	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74H78J
BS9420F0292-6	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S174J
BS9420F0297-9	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S174J
BS9420F0300	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S174J
BS9420F0301-4	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74S174J
BS9420F0323-7	LSI	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS74AJ
BS9420F0328-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS74AJ
BS9420F0330-1	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS74AJ
BS9420F0332-5	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS74AJ
BS9420F0336-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS76AJ
BS9420F0340	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS76AJ
BS9420F0341-4	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS76AJ
BS9420F0345-8	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS76AJ
BS9420F0349	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54LS78J
BS9420F0350-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54LS78J
BS9420F0354-7	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM64LS78J
BS9420F0358-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM74LS78J
BS9420F0360-1	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM74LS78J
BS9420F0362-6	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS107J
BS9420F0367-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS107J
BS9402F0370	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS107J
BS9420F0371-4	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS107J
BS9420F0375-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS109AJ
BS9420F0380-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS109AJ
BS9420F0384-7	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS109AJ
BS9420F0401-5	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS112J
BS9420F0406-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS112J
BS9420F0410-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS112J
BS9420F0414-8	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS114J
BS9420F0423-6	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS114J
BS9420F0427-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS174J
BS9420F0430-1	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS174J
BS9420F0432-5	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS174J
BS9420F0436-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS174J

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
BS9420F0440-4	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS175J
BS9420F0045-8	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS175J
BS9420F0449	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS175J
BS9420F0450-2	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS175J
BS9420F0453-7	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS279J
BS9420F0458-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS279J
BS9420F0460-1	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS279J
BS9420F0462-5	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS279J
BS9420F0466-9	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S74J
BS9420F0470	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S74J
BS9420F0471-4	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S74J
BS9420F0475-8	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74S74J
BS9420F0479	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S114J
BS9420F0480-3	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S114J
BS9420F0484-7	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S114J
BS9420F0488-9	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74S114J
BS9420F0490-1	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74S114J
BS9420F0505-9	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54H101J
BS9420F0510-3	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64H101J
BS9420F0514-7	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74H101J
BS9420F0531-5	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS75J
BS9420F0536-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS75J
BS9420F0540-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS75J
BS9420F0544-8	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54109J
BS9420F0549	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64109J
BS9420F0550-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64109J
BS9420F0553-6	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74109J
BS9420F0557-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54110J
BS9420F0560-1	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54110J
BS9420F0562-5	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64110J
BS9420F0566-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74110J
BS9420F0570-4	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54111J
BS9420F0575-8	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64111J
BS9420F0579	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74111J
BS9420F0580-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74111J
BS9420F0635-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS113AJ
BS9420F0640-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS113AJ
BS9420F0644-7	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS113AJ
BS9420F0825-8	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM5472J
BS9420F0829	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM6472J
BS9420F0830	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM7472J
BS9420F0880-4	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54LS74J
BS9420F0885-8	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM64LS74J
BS9420F0889	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM74LS74J
BS9420F0890-2	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM74LS74J
BS9420F0906-7	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L74J
BS9420F0919	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7472J
BS9420F0920	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7472J
BS9420F0921-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7473J
BS9420F0923-4	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7474J
BS9420F0925-6	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7475J
BS9420F0927-8	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74107J
BS9420F0929	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74174J
BS9420F0930	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74174J
BS9420F0931	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5470J
BS9420F0932-4	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6470J
BS9420F0935-7	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7470J
BS9420F0938	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN5472J
BS9420F0939	TTL	-	BSI STANDARDS IC	-	+5V	-	-	-	-	TII	SN6472J
BS9420F0940-1	TTL	-	BSI STANDARD IC	-		-	-	-	-	TII	SN6472J
BS9420F0942-4	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7472J
BS9420F0945-9	LST	-	BSI STANDARD IC	-	-	-	-	-	-	TII	SN54LS73AJ
BS9420F0950-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS73AJ
BS9420F0954-7	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS73AJ
BS9440F0001	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54121J
BS9440F0002	TTL		BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64121J
BS9440F0003	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74121J
BS9440F0004-6	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54121J
BS9440F0007	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L95J
BS9440F0008	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L95J
BS9440F0009	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L95J
BS9440F0010	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L164J
BS9440F0011	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L164J
BS9440F0012	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L164J
BS9440F0013	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54122J

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
BS9440F0014	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64122J
BS9440F0015	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74122J
BS9440F0016	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54123J
BS9440F0017	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64123J
BS9440F0018	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74123J
BS9440F0022	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5442AJ
BS9440F0023	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6442AJ
BS9440F0024	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7442AJ
BS9440F0025	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5491AJ
BS9440F0026	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6491AJ
BS9440F0027	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7491AJ
BS9440F0028	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5494J
BS9440F0029	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6494J
BS9440F0030	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7494J
BS9440F0031	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5494AJ
BS9440F0032	TTL	-	BSI STANDARD IC	-	-	-	-	-	-	TII	SN6495AJ
BS9440F0033	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7495AJ
BS9440F0034	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5496J
BS9440F0035	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6496J
BS9440F0036	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7496J
BS9440F0037	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54164J
BS9440F0038	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64164J
BS9440F0039	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74164J
BS9440F0040	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54165J
BS9440F0041	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64165J
BS9440F0042	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74165J
BS9440F0043	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54166J
BS9440F0044	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64166J
BS9440F0045	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74166J
BS9440F0046	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54194J
BS9440F0047	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64194J
BS9440F0048	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74194J
BS9440F0049	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5442AJ
BS9440F0050-1	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5442AJ
BS9440F0052-4	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5491AJ
BS9440F0055-7	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5494J
BS9440F0058-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5495AJ
BS9440F0060	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5495AJ
BS9440F0061-3	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5496J
BS9440F0064-6	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54164J
BS9440F0067-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54165J
BS9440F0070-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54166J
BS9440F0073-5	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54194J
BS9440F0076-8	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54122J
BS9440F0079	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54123J
BS9440F0080-1	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54123J
BS9440F0082	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L42J
BS9440F0083	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L42J
BS9440F0084	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L42J
BS9440F0085	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L91J
BS9440F0086	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L91J
BS9440F0087	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L91J
BS9440F0088	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L96J
BS9440F0089	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L96J
BS9440F0090	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L96J
BS9440F0091	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L122J
BS9440F0092	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L122J
BS9440F0093	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L122J
BS9440F0094-6	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L42J
BS9440F0097-9	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L91J
BS9440F0100-2	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L96J
BS9440F0103-5	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L122J
BS9440F0106-8	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L95J
BS9440F0109	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L164J
BS9440F0110-1	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L164J
BS9440F0118	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5491AJ
BS9440F0119	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6491AJ
BS9440F0120-1	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6491AJ
BS9440F0122-4	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7491AJ
BS9440F0125	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5494J
BS9440F0126-8	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6494J
BS9440F0129	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7494J
BS9440F0130-1	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7494J
BS9440F0132	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5495AJ
BS9440F0133-5	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6495AJ

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
BS9440F0136-8	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7495AJ
BS9440F0139	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5496J
BS9440F0140-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6496J
BS9440F0143-5	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7496J
BS9440F0146	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54121J
BS9440F0147-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64121J
BS9440F0150-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74121J
BS9440F0153	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54122J
BS9440F0154-6	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64122J
BS9440F0157-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74122J
BS9440F0160	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54123J
BS9440F0161-3	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64123J
BS9440F0164-6	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74123J
BS9440F0167	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54164J
BS9440F0168-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64164J
BS9440F0170	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64164J
BS9440F0171-3	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74164J
BS9440F0174	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54165J
BS9440F0175-7	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64165J
BS9440F0178-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74165J
BS9440F0180	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74165J
BS9440F0181	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54166J
BS9440F0182-4	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64166J
BS9440F0185-7	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74166J
BS9440F0188	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54194J
BS9440F0189	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64194J
BS9440F0190-1	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64194J
BS9440F0192-4	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74194J
BS9440F0195	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L91J
BS9440F0196-8	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L91J
BS9440F0199	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L91J
BS9440F0200-1	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L91J
BS9440F0202	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L95J
BS9440F0203-5	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L95J
BS9440F0206-8	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L95J
BS9440F0209	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L96J
BS9440F0210-2	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L96J
BS9440F0213-5	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L96J
BS9440F0216	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L122J
BS9440F0217-9	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L122J
BS9440F0220-2	LTL	-	BSI STANDARDS IC	-	+5V	-	-	-	-	FER	ZN74L122J
BS9440F0223	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5442AJ
BS9440F0224-6	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6442AJ
BS9440F0227-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7442AJ
BS9440F0275	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L164J
BS9440F0276-8	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L164J
BS9440F0279	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L164J
BS9440F0280-1	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L164J
BS9440F0295-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54LS48J
BS9440F0300-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM64LS48J
BS9440F0304-7	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM74LS48J
BS9440F0308-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS49J
BS9440F0310-2	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS49J
BS9440F0313-6	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS49J
BS9440F0317-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS49
BS9440F0320	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS49J
BS9440F0321-5	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS91J
BS9440F0326-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS91J
BS9440F0330-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS91J
BS9440F0340-4	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS42J
BS9440F0345-8	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS42J
BS9440F0349	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS42J
BS9440F0349	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS42J
BS9440F0350-2	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS42J
BS9440F0353-7	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS95BJ
BS9440F0358-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS95BJ
BS9440F0360-1	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS95BJ
BS9440F0362-5	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS95BJ
BS9440F0366-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS122J
BS9440F0370	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS122J
BS9440F0371-4	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS122J
BS9440F0375-8	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS122J
BS9440F0379	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS123J
BS9440F0380-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS123J
BS9440F0384-7	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS123J

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
3S9440F0388-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS123J
BS9440F0390-1	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS123J
BS9440F0392-6	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS164J
BS9440F0397-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS164J
BS9440F0400	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS164J
BS9440F0401-4	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS164J
BS9440F0405-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS194AJ
BS9440F0410-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS194AJ
BS9440F0414-7	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS194AJ
BS9440F0418-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS221J
BS9440F0420-2	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS221J
BS9440F0423-6	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS221J
BS9440F0427-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS221J
BS9440F0430	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS221J
BS9440F0431-5	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S194J
BS9440F0436-9	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S194J
BS9440F0440-3	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74S194J
BS9440F0444-8	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S280J
BS9440F0449	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S280J
BS9440F0450-2	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S280J
BS9440F0453-6	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74S280J
BS9440F0471-4	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54221J
BS9440F0475-8	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64221J
BS9440F0479	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74221J
BS9440F0480-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74221J
BS9440F0483-7	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54278J
BS9440F0488-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64278J
BS9440F0490-1	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64278J
BS9440F0492-5	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74278J
BS9440F0496-9	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54H87J
BS9440F0500	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54H87J
BS9440F0501-4	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64H87J
BS9440F0505-8	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74H87J
BS9440F0535-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54182J
BS9440F0540-3	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64182J
BS9440F0544-7	HTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7H182J
BS9440F0561-5	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS47J
BS9440F0566-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS47J
BS9440F0570-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS47J
BS9440F0574	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L42J
BS9440F0575-7	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L42J
BS9440F0578-9	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L42J
BS9440F0580	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L42J
BS9440F0601-5	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54148J
BS9440F0606-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64148J
BS9440F0610-3	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74148J
BS9440F0718-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54173J
BS9440F0720-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54173J
BS9440F0723-6	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64163J
BS9440F0727-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74173J
BS9440F0730	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74173J
BS9440F0731-5	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54178J
BS9440F0736-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64178J
BS9440F0740-3	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74178J
BS9440F0744-8	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54179J
BS9440F0749	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64179J
BS9440F0750-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64179J
BS9440F0753-6	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74179J
BS9440F0822-6	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54248J
BS9440F0827-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64248J
BS9440F0830	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64248J
BS9440F0831-4	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74248J
BS9440F0848-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS96J
BS9440F0853-6	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS96J
BS9440F0857-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS96J
BS9440F0860	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS96J
BS9440F0861-5	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS145J
BS9440F0866-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS145J
BS9440F0870-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS145J
BS9440F0874-8	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS165J
BS9440F0879	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS165J
BS9440F0880-2	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS165J
BS9440F0883-6	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS165J
BS9440F0887-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS195AJ
BS9440F0890-1	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS195AJ

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
BS9440F0892-5	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS195A
BS9440F0896-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS195AJ
BS9440F1129	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7442AJ
BS9440F1130	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7442AJ
BS9440F1131-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7491AJ
BS9440F1135-6	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7495AJ
BS9440F1137-8	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74196J
BS9440F1139	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74121J
BS9440F1140	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74121J
BS9440F1141-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74122J
BS9440F1143-4	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74123J
BS9440F1145-6	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74164J
BS9440F1147-8	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74165J
BS9440F1151-2	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L95J
BS9440F1166-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS148J
BS9440F1170	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS148J
BS9440F1171-4	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS148J
BS9440F1175-8	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS148J
BS9440F1179	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS147J
BS9440F1180-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS147J
BS9440F1184-7	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS147J
BS9440F1188-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS147J
BS9440F1190-1	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS147J
BS9440F1218-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS125AJ
BS9440F1220-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS125AJ
BS9440F1224-6	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS125AJ
BS9440F1227-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS125AJ
BS9440F1230	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS125AJ
BS9440F1332-6	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS126AJ
BS9440F1337-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS126AJ
BS9440F1340	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS126AJ
BS9440F1341-4	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS126AJ
BS9442F0001	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L93J
BS9442F0002	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L93J
BS9442F0003	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L93J
BS9442F0004	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5493AJ
BS9442F0005	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6493AJ
BS9442F0006	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7493AJ
BS9442F0007-9	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L93J
BS9442F0010-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5493AJ
BS9442F0013	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5492AJ
BS9442F0014	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6492AJ
BS9442F0015	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7492AJ
BS9442F0016	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5490AJ
BS9442F0017	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6490AJ
BS9442F0018	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7490AJ
BS9442F0019	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54161J
BS9442F0020	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64161J
BS9442F0021	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74161J
BS9442F0022	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54163J
BS9442F0023	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64163J
BS9442F0024	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74163J
BS9442F0025	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54191J
BS9442F0026	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64191J
BS9442F0027	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74191J
BS9442F0028	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54192J
BS9442F0029	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64192J
BS9442F0030	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74192J
BS9442F0031	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54193J
BS9442F0032	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64193J
BS9442F0033	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74193J
BS9442F0034	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54197J
BS9442F0035	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64197J
BS9442F0036	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74197J
BS9442F0037-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54161J
BS9442F0040-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54163J
BS9442F0043-5	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54191J
BS9442F0046-8	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54192J
BS9442F0049	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54193J
BS9442F0050-1	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54193J
BS9442F0052-4	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54197J
BS9442F0055-7	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5490A
BS9442F0058-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5492AJ
BS9442F0060	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5492AJ
BS9441F0061	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L90J

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
BS9442F0062	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L90J
BS9442F0063	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L90J
BS9442F0064	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L192J
BS9442F0065	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L192J
BS9442F0066	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L192J
BS9442F0067	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L193J
BS9442F0068	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L193J
BS9442F0069	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L193J
BS9442F0070-2	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L90J
BS9442F0073-6	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54LS193J
BS9442F0077-8	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L193J
BS9442F0087-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6490AJ
BS9442F0086	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5490AJ
BS9442F0087-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6490AJ
BS9442F0090-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7490AJ
BS9442F0100	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5492AJ
BS9442F0101-3	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6492AJ
BS9442F0104-6	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7492AJ
BS9442F0107	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN5493J
BS9442F0108-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN6493J
BS9442F0110	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN6493J
BS9442F0111-3	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7493J
BS9442F0114	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN5493AJ
BS9442F0115-7	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN6493AJ
BS9442F0118-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7493AJ
BS9442F0120	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN7493AJ
BS9442F0121	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54161J
BS9442F0122-4	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64161J
BS9442F0125-7	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74161J
BS9442F0128	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54163J
BS9442F0129	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64163J
BS9442F0130-1	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64163J
BS9442F0132-4	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74163J
BS9442F0135	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54191J
BS9442F0136-8	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64191J
BS9442F0139	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74191J
BS9442F0140-1	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74191J
BS9442F0142	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54192J
BS9442F0143-5	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64192J
BS9442F0146-8	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74192J
BS9442F0149	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54193J
BS9442F0150-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64193J
BS9442F0153-5	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74193J
BS9442F0156	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54197J
BS9442F0157-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64197J
BS9442F0160-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74197J
BS9442F0163	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L90J
BS9442F0164-6	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L90J
BS9442F0167-9	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L90J
BS9442F0170	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L93J
BS9442F0171-3	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L93J
BS9442F0174-6	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L93J
BS9442F0177	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L192J
BS9442F0178-9	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L192J
BS9442F0180	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L192J
BS9442F0181-3	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L192J
BS9442F0184	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54L193J
BS9442F0185-7	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64L193J
BS9442F0188-9	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L193J
BS9442F0190	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L193J
BS9442F0191-5	LST	-	BSI STANDARD IC		+5V	-	-	-	-	TII	SN54LS90J
BS9442F0196-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS90J
BS9442F0200-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS90J
BS9442F0217	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN5493J
BS9442F0218	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN6493J
BS9442F0219	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7493J
BS9442F0220-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN5493J
BS9442F0223-7	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS92J
BS9442F0228-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS92J
BS9442F0230-1	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS92J
BS9442F0232-5	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS92J
BS9442F0236-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS93J
BS9442F0240	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS93J
BS9442F0241-4	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS93J
BS9442F0245-8	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS93J

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
BS9442F0249	LST		BSI STANDARD IC		+5V		-			TII	SN54LS160AJ
BS9442F0250-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS160AJ
BS9442F0254-6	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS160AJ
BS9442F0257-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74162J
BS9442F0260-1	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS160AJ
BS9442F0262-6	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS161AJ
BS9442F0267-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS161AJ
BS9442F0270	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS161AJ
BS9442F0271-4	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS161AJ
BS9442F0275-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54LS162AJ
BS9442F0280-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM64LS162AJ
BS9442F0284-7	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM74LS162AJ
BS9442F0288-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS163AJ
BS9442F0290-2	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS163AJ
BS9442F0293-6	LST	-	BSI STANDARD IC	-	-	-	-	-	-	TII	SN64LS163AJ
BS9442F0297-9	LST		BSI STANDARD IC		+5V		-			TII	SN74LS163AJ
BS9442F0300	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS163AJ
BS9442F0301-5	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS192J
BS9442F0306-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS192J
BS9442F0311-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS192J
BS9442F0314-8	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS193J
BS9442F0319	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS193J
BS9442F0320-2	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS193J
BS9442F0323-6	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS193J
BS9442F0327-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54LS196J
BS9442F0330-1	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54LS196J
BS9442F0332-5	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM64LS196J
BS9442F0336-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM74LS196J
BS9442F0340-4	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS197J
BS9442F0345-8	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS197J
BS9442F0349	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS197J
BS9442F0350-2	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS197J
BS9442F0366-9	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S163J
BS9442F0370	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S163J
BS9442F0371-4	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S163J
BS9442F0375-8	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74S163J
BS9442F0379	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54160J
BS9442F0380-3	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54160J
BS9442F0384-7	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64160J
BS9442F0388-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74160J
BS9442F0390-1	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74160J
BS9442F0392-6	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS290J
BS9442F0397-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS290J
BS9442F0400	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS290J
BS9442F0401-4	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS290J
BS9442F0518-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54162J
BS9442F0520-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54162J
BS9442F0523-6	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64162J
BS9442F0530	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74162J
BS9442F0531-5	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54176J
BS9442F0536-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64176J
BS9442F0540-3	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74176J
BS9442F0544-8	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54177J
BS9442F0549	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64177J
BS9442F0550-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64177J
BS9442F0553-6	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74177J
BS9442F0570-4	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54196J
BS9442F0575-8	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64196J
BS9442F0579	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74196J
BS9442F0580-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74196J
BS9442F0609	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54390J
BS9442F0610-3	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54390J
BS9442F0614-7	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64390J
BS9442F0618-9	TTL	-	BSI STANDARD IC	-	-	-	-	-	-	TII	SN74390J
BS9442F0620-1	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74390J
BS9442F0635-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54490J
BS9442F0640-3	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64490J
BS9442F0644-7	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74490J
BS9442F0674-8	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS190J
BS9442F0679	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS190J
BS9442F0683-6	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS190J
BS9442F0680-2	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS190J
BS9442F0687-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS191J
BS9442F0690-1	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS191J
BS9442F0692-5	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS191J

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
BS9442F0696-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS191J
BS9442F0700-4	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS191J
BS9442F0705-8	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS293J
BS9442F0709	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS293J
BS9442F0710-2	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS293J
BS9442F0726-9	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S169J
BS9442F0730	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54S169J
BS9442F0731-4	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64S169J
BS9442F0735-8	STL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74S169J
BS9442F0816-7	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7490AJ
BS9442F0818-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7493J
BS9442F0820-1	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN7493AJ
BS9442F0826-7	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74193J
BS9442F0828-9	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L90J
BS9442F0830-1	LTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74L93J
BS9442F0924-8	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS393J
BS9442F0929	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS393J
BS9442F0930-2	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS393J
BS9442F0933-6	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS393J
BS9442F0943-7	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS390J
BS9442F0948-9	LST	-	BSI STANDARD IC	-	-	-	-	-	-	TII	SN64LS390J
BS9442F0950-1	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS390J
BS9442F0952-5	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS390J
BS9443F0004	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54170J
BS9443F0005	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN64170J
BS9443F0006	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN74170J
BS9443F0010-2	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	FER	ZN54170J
BS9443F0066-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS170J
BS9443F0070	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS170J
BS9443F0071-4	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS170J
BS9443F0075-8	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS170J
BS9490F0001	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	MOT	MC14000ALS
BS9490F0002	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	MOT	MC14001ALS
BS9490F0003	CMS	-	BSI STANDARD IO	-	+10V	-	-	-	-	MOT	MC14002ALS
BS9490F0004	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	MOT	MC14011ALS
BS9490F0005	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	MOT	MC14012ALS
BS9490F0006	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	MOT	MC14023ALS
BS9490F0007	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	MOT	MC14025ALS
BS9490F0008	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	MOT	MC14071ALS
BS9490F0009	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	MOT	MC14081ALS
BS9490F0010	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	MOT	MC14507ALS
BS9490F0011	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	MOT	MC14000CLS
BS9490F0012	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	MOT	MC14001CLS
BS9490F0013	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	MOT	MC14002CLS
BS9490F0014	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	MOT	MC14011CLS
BS9490F0015	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	MOT	MC14012CLS
BS9490F0016	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	MOT	MC14023CLS
BS9490F0017	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	MOT	MC14025CLS
BS9490F0018	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	MOT	MC14071CLS
BS9490F0019	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	MOT	MC14081CLS
BS9490F0020	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	MOT	MC14507CLS
BS9490F0021-2	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14049B
BS9490F0023-4	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14050B
BS9490F0027-8	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14013B
BS9490F0067-8	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14008B
BS9490F0069	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14015B
BS9490F0070	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14015B
BS9490F0073-4	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14017B
BS9490F0077-8	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14021B
BS9490F0079	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14022B
BS9490F0080	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14022B
BS9490F0081-2	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14024B
BS9490F0083-4	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14027B
BS9490F0095-6	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14042B
BS9490F0099	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14076B
BS9490F0100	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14076B
BS9490F0127-8	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14519B
BS9490F0137-8	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14526B
BS9490F0197-8	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14585B
BS9490F0273-6	RTL	-	BSI STANDARD IC	DIC -	+5V	-	-	-	-	SGS	U6A9945
BS9490F0277-9	RTL	-	BSI STANDARD IC	FLP -	+5V	-	-	-	-	SGS	U3I9945
BS9490F0280-3	RTL	-	BSI STANDARD IC	DIC -	+5V	-	-	-	-	SGS	U6A9948
BS9490F0284-6	RTL	-	BSI STANDARD IC	FLP -	+5V	-	-	-	-	SGS	U3I9948
BS9490F0287-9	DTL	-	BSI STANDARD IC	DIC -	+5V	-	-	-	-	SGS	U6A9093
BS9490F0290	DTL	-	BSI STANDARD IC	DIC -	+5V	-	-	-	-	SGS	U6A9093

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
BS9490F0291-3	DTL	-	BSI STANDARD IC	FLP -	+5V	-	-	-	-	SGS	U3I9093
BS9490F0294-7	DTL	-	BSI STANDARD IC	DIC -	+5V	-	-	-	-	SGS	U6A9094
BS9490F0298-9	DTL	-	BSI STANDARD IC	FLP -	+5V	-	-	-	-	SGS	U3I9094
BS9490F0300	DTL	-	BSI STANDARD IC	FLP -	+5V	-	-	-	-	SGS	U3I9094
BS9490F0301-4	DTL	-	BSI STANDARD IC	DIC -	+5V	-	-	-	-	SGS	U6A9097
BS9490F0305-7	DTL	-	BSI STANDARD IC	FLP -	+5V	-	-	-	-	SGS	U3I9097
BS9490F0308-9	DTL	-	BSI STANDARD IC	DIC -	+5V	-	-	-	-	SGS	U6A9099
BS9490F0310-1	DTL	-	BSI STANDARD IC	DIC -	+5V	-	-	-	-	SGS	U6A9099
BS9490F0312-4	DTL	-	BSI STANDARD IC	FLP -	+5V	-	-	-	-	SGS	U3I9099
BS9490F0337-8	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14070B
BS9490F0367-9	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4007A
BS9490F0370-2	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4007A
BS9490F0395-7	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4013A
BS9490F0393-9	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4013A
BS9490F0400	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4013A
BS9490F0409	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4014A
BS9490F0410-1	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4014A
BS9490F0412-4	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4014A
BS9490F0423-5	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4015A
BS9490F0426-8	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4015A
BS9490F0437-9	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4017A
BS9490F0440-2	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4017AFS
BS9490F0465-7	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4020A
BS9490F0468-9	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4020A
BS9490F0470	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4020A
BS9490F0479	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4021A
BS9490F0480-1	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4021A
BS9490F0482-4	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4021A
BS9490F0493-5	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4022A
BS9490F0496-8	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4022A
BS9490F0507-9	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4024A
BS9490F0510-2	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4024A
BS9490F0535-7	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4027A
BS9490F0538-9	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4027A
BS9490F0540	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4027A
BS9490F0563-5	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4029A
BS9490F0566-8	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4029A
BS9490F0633-5	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4035A
BS9490F0636-8	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4035A
BS9490F0689	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4040A
BS9490F0690-1	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4040A
BS9490F0692-4	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4040A
BS9490F0703-5	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4042A
BS9490F0706-7	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4042A
BS9490F0731-3	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4044A
BS9490F0734-6	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4044A
BS9490F0773-5	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4047A
BS9490F0776-8	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4047A
BS9490F0899	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4060A
BS9490F0900-1	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4060A
BS9490F0902-4	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4060A
BS9490F0941-5	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS367A
BS9490F0946-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS367A
BS9490F0950-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS367A
BS9490F0954-8	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS253J
BS9490F0959	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS253J
BS9490F0960-2	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS253J
BS9490F0963-6	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS253J
BS9490F0967-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS298J
BS9490F0970-1	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS298J
BS9490F0972-5	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS298J
BS9490F0976	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS298J
BS9490F0993-5	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4048A
BS9490F0996-8	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4048A
BS9490F1007-9	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4050A
BS9490F1010-2	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4050A
BS9490F1021-3	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4030A
BS9490F1024-6	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4030A
BS9490F1035-7	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4037A
BS9490F1038-9	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HB4037A
BS9490F1040	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4037A
BS9490F1077-9	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4025A
BS9490F1080-2	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4025A
BS9490F1091-3	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4001A
BS9490F1094-6	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4001A

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
BS9490F1105-7	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4002A
BS9490F1108-9	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4002A
BS9490F1110	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4002A
BS9490F1119	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4000A
BS9490F1120-1	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4000A
BS9490F1122-4	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4000A
BS9490F1133-5	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4011A
BS9490F1136-8	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4011A
BS9490F1147-9	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4012A
BS9490F1150-2	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4021A
BS9490F1161-3	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4023A
BS9490F1164-6	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4023A
BS9490F1175-7	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4019A
BS9490F1178-9	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4019A
BS9490F1180	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4019A
BS9490F1201	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4049A
BS9490F1202	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4049A
BS9490F1217-9	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4049A
BS9490F1220-2	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4049A
BS9490F1233-7	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	MOT	MC14000
BS9490F1245-9	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	MOT	MC14001
BS9490F1257-9	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	MOT	MC14002
BS9490F1260-1	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	MOT	MC14002
BS9490F1293-7	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14008B
BS9490F1329	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	MOT	MC14011
BS9490F1330-3	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	MOT	MC14011
BS9490F1341-5	CMS	-	BSI STANDARD	-	+10V	-	-	-	-	MOT	MC14012
BS9490F1353-7	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14013B
BS9490F1366-9	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14014B
BS9490F1377-9	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14015B
BS9490F1380-1	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14015B
BS9490F1401-5	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14017B
BS9490F1437-9	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14021B
BS9490F1440-1	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14021B
BS9490F1449	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14022B
BS9490F1450-3	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14022B
BS9490F1461-5	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	MOT	MC14023
BS9490F1473-7	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14024B
BS9490F1485-9	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	MOT	MC14025
BS9490F1497-9	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14027B
BS9490F1500-1	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14027B
BS9490F1574-8	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14042B
BS9490F1624-8	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14049B
BS9490F1636-9	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14050B
BS9490F1640	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14050B
BS9490F1726-9	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14070B
BS9490F1730	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14070B
BS9490F1738-9	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14071
BS9490F1740-2	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	MOT	MC14071
BS9490F1786-9	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14076B
BS9490F1790	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14076B
BS9490F1824-8	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	MOT	MC14081
BS9490F1924-8	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	MOT	MC14507
BS9490F2023-7	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14519B
BS9490F2083-7	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14526B
BS9490F2447-9	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14585B
BS9490	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14585B
BS9490F2481-5	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54298J
BS9490F2486-9	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64298J
BS9490F2490-3	TTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74298J
BS9490F2511-4	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14001B
BS9490F2518-9	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14001B
BS9490F2520	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14001B
BS9490F2529	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14002B
BS9490F2530-2	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14002B
BS9490F2536-8	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14002B
BS9490F2551-4	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14011B
BS9490F2558-9	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14011B
BS9490F2560	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14011B
BS9490F2569	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14012B
BS9490F2570-8	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14012B
BS9490F2587-9	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14023B
BS9490F2590-6	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14023B
BS9490F2605-8	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14025B
BS9490F2612-4	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14025B

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
BS9490F2623-6	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14071B
BS9490F2630-2	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14071B
BS9490F2633-6	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14081B
BS9490F2641-3	CMS	-	BSI STANDARD IC	-	+15V	-	-	-	-	MOT	MC14081B
BS9490F2655-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54LS173J
BS9490F2660-3	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM64LS173J
BS9490F2664-7	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM74LS173J
BS9490F2705-6	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	SGS	U6A9093
BS9490F2707-8	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	SGS	U3I9093
BS9490F2721-2	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	SGS	U6A9945
BS9490F2723-4	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	SGS	U3I9945
BS9490F2725-6	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	SGS	U6A9948
BS9490F2727-8	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	SGS	U3I9948
BS9490F2729	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	SGS	U6A9094
BS9490F2730	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	SGS	U6A9094
BS9490F2731-2	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	SGS	U3I9094
BS9490F2733-6	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	SGS	U3I9097
BS9490F2737-8	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	SGS	U6A9099
BS9490F2739	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	SGS	U3I9099
BS9490F2740	DTL	-	BSI STANDARD IC	-	+5V	-	-	-	-	SGS	U3I9099
BS9490F5141	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4000
BS9490F5142	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4000
BS9490F5145	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4001
BS9490F5146	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4001
BS9490F5149	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4002
BS9490F5150	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4002
BS9490F5157	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4007
BS9490F5158	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4007
BS9490F5165	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4011
BS9490F5166	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4011
BS9490F5169	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4012
BS9490F5170	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4012
BS9490F5173	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4013
BS9490F5174	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4013
BS9490F5177	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4014
BS9490F5178	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4014
BS9490F5181	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4015
BS9490F5182	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4015
BS9490F5189	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4017
BS9490F5190	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4017
BS9490F5197	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4019
BS9490F5198	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4019
BS9490F5201	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4020
BS9490F5202	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4020A
BS9490F5205	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4021
BS9490F5206	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4021
BS9490F5209	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4022
BS9490F5210	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4022
BS9490F5213	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4023
BS9490F5214	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4023
BS9490F5217	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4024
BS9490F5218	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4024
BS9490F5221	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4025
BS9490F5229	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4027
BS9490F5222	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4025
BS9490F5230	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4027
BS9490F5237	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4029
BS9490F5238	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4029
BS9490F5241	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4030
BS9490F5242	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4030
BS9490F5261	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4035
BS9430F5262	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4035
BS9490F5269	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4037
BS9490F5270	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4037
BS9490F5281	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4040
BS9490F5282	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4040
BS9490F5289	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4042
BS9490F5290	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4042
BS9490F5297	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4044
BS9490F5298	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4044
BS9490FS305	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4047
BS9490F5306	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4047
BS9490F5309	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4048
BS9490F5310	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4048
BS9490F5313	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4050

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
BS9490F5314	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4050
BS9490F5349	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBC4060
BS9490F5350	CMS	-	BSI STANDARD IC	-	+10V	-	-	-	-	SGS	HBF4060
BS9490F5528-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54LS258AJ
BS9490F5530-2	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54LS258AJ
BS9490F5533-6	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM64LS258AJ
BS9490F5537-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM746S258AJ
BS9490F5540	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM74LS258AJ
BS9490F5554-8	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN54LS365AJ
BS9490F5559	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS365AJ
BS9490F5560-2	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN64LS365AJ
BS9490F5563-6	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	TII	SN74LS365AJ
BS9490F5567-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54LS366AJ
BS9490F5570-1	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54LS366AJ
BS9490F5572-5	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM64LS366AJ
BS9490F5576-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM74LS366AJ
BS9490F5580-4	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54LS374J
BS9490F5585-8	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM64LS374J
BS9490F5589	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM74LS374J
BS9490F5590-2	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM74LS374J
BS9490F5606-9	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54LS670J
BS9490F5610	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM54LS670J
BS9490F5611-4	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM64LS670J
BS9490F5615-8	LST	-	BSI STANDARD IC	-	+5V	-	-	-	-	NAT	DM74LS670J
BS9492F0001-9	ECL	-	BSI STANDARD IC	-	-5.2V	-	-	-	-	PLE	SP8602
BS9492F0010-2	ECL	-	BSI STANDARD IC	-	-5.2V	-	-	-	-	PLE	SP8602
BS9492F0013-9	ECL	-	BSI STANDARD IC	-	-5.2V	-	-	-	-	PLE	SP8603
BS9492F0020-4	ECL	-	BSI STANDARD IC	-	-5.2V	-	-	-	-	PLE	SP8603
BS9492F0025-9	ECL	-	BSI STANDARD IC	-	-5.2V	-	-	-	-	PLE	SP8604
BS9492F0030-6	ECL	-	BSI STANDARD IC	-	-5.2V	-	-	-	-	PLE	SP8604
BS9492F0232-5	ECL	-	BSI STANDARD IC	-	-5.2V	-	-	-	-	PLE	SP8607A
BS9492F0236-9	ECL	-	BSI STANDARD IC	-	-5.2V	-	-	-	-	PLE	SP8607B
C00 SERIES	CMS	-	ADVERT. JARGON FOR 74C00 SER.	DIL--P	+5V	80C	-	-	-	VAR	MM74C00 SER.
C7400 SERIES	TTL	-	OTHER CODING FOR HEPC7400P SER	DIL--P	-	70C	-	-	-	MOT	SN7400N SER
C74100 SER.	TTL	-	OTHER CODING FOR HEPC74100 SER	DIL--P	-	70C	-	-	-	MOT	SN74100N SER.
CD40C00 SER.	CMS	-	HOUSE CODES FOR MM54C00 SERIES	-	-	125	-	-	-	RCA	MM74C00 SER
CD2200 SERIES	DTL	-	RCA OBSOLETE DTL SERIES	-	-	-	-	-	-	RCA	-
CD2300 SERIES	DTL	-	RCA OBSOLETE DTL SERIES	-	-	-	-	-	-	RCA	-
CD2500D SER.	TTL	-	HOUSE CODES FOR HD2500 SERIES	DIL--C	-	-	-	-	-	RCA	HD2500 SERIES
CD2500E SER.	TTL	-	HOUSE CODES FOR HD2500P SERIES	DIL--P	-	-	-	-	-	RCA	HD2500P SER.
CD4000 SERIES	CMS	VAR	NATIONAL VRSN OF CD4000A SER.	-	+10V	VAR	-	-	-	NAT	CD4000A SER.
CD4000A SER	CMS	VAR	STANDARD 10V VRSN CD4000 SER.	-	+10V	VAR	-	-	-	RCA	CD4000 SERIES
CD4000AD SER	CMS	VAR	CER DIL VRSN OF CD4000A SERIES	DIL--C	+5V	125	-	-	-	RCA	CD4000 SERIES
CD4000AD	CMS	NOR	NOR, 3 IP + INVERTER, DUAL	DIL14C	+10V	125	-	-	Q016	RCA	CD4000MJ
CD4000AE	CMS	NOR	NOR, 3 IP + INVERTER, DUAL	DIL14P	+10V	85C	-	-	Q016	RCA	CD4000CN
CD4000AE SER.	CMS	VAR	PLAS DIL VRSN OF CD4000A SER.	DIL--P	+10V	VAR	-	-	-	RCA	CD4000CN SER.
CD4000AF SER.	CMS	VAR	CER DIL VRSN OF CD4000A SERIES	DIL--C	+10V	125	-	-	-	RCA	CD4000MJ SER
CD4000AK SER.	CMS	VAR	FLAT PACK VRSN OF CD4000A SER.	FLP---	+10V	125	-	-	-	RCA	CD4000MW SER.
CD4000AY SER.	CMS	VAR	85C CER DIL VRSN CD4000A SER.	DIL--C	+10V	85C	-	-	-	RCA	CD4000CJ SER.
CD4000B SER.	CMS	VAR	BUFFERED VRSN OF CD4000 SERIES	-	+15V	VAR	-	-	-	NAT	-
CD4000B SER.	CMS	VAR	BUFFERED VRSN OF CD4000 SERIES	-	+15V	VAR	-	-	-	RCA	-
CD4000BCJ SER	CMS	VAR	NATIONAL VRSN OF CD4000BY SER.	DIL--C	+15V	85C	-	-	-	NAT	CD4000BY SER
CD4000BCN SER	CMS	VAR	NATIONAL VRSN OF CD4000BE SER.	DIL--P	+15V	85C	-	-	-	NAT	CD4000BE SER.
CD4000BD	CMS	NOR	NOR, 3 IP + INVERTER, DUAL	DIL14C	+15V	125	-	-	Q016	RCA	BCL4000BD
CD4000BD SER.	CMS	VAR	125C CER DIL VRSN CD4000B SER.	DIL--C	+15V	125	-	-	-	RCA	CD4000BMD SER
CD4000BE	CMS	NOR	NOR, 3 IP + INVERTER, DUAL	DIL P	+15V	85C	-	-	Q016	RCA	SCL4000BE
CD4000BE SER.	CMS	VAR	PLAS DIL VRSN OF CD4000B SER.	DIL--P	+15V	85C	-	-	-	RCA	CD4000BCN SER
CD4000BF SER.	CMS	VAR	CERAM DIL VERSN OF CD4000B SER	DIL--C	+15V	125	-	-	-	RCA	-
CD4000BK SER.	CMS	VAR	FLAT PACK VRSN OF CD4000B SER.	FLP---	+15V	125	-	-	-	RCA	CD4000MW SER.
CD4000BMD SER	CMS	VAR	HOUSE CODES FOR CD4000BD SER.	DIL--C	+15V	125	-	-	-	NAT	CD4000BD SER.
CD4000BMJ SER	CMS	VAR	HOUSE CODES FOR CD4000BF SER.	DIL--C	+15V	125	-	-	-	NAT	CD4000BF SER
CD4000BMW SER	CMS	VAR	HOUSE CODES FOR 4000BFM SERIES	FLP---	+15V	125	-	-	-	NAT	4000BFM SER
CD4000BY SER.	CMS	VAR	CERAM DIL VERSN OF CD4000B SER	DIL--C	+15V	85C	-	-	-	RCA	-
CD4000CJ	CMS	NOR	NOR, 3 IP + INVERTER, DUAL	DIL14C	+10V	85C	-	-	Q016	NAT	MC14000UBCL
CD4000CJ SER.	CMS	VAR	HOUSE CODES FOR CD4000AY SER.	DIL--C	+10V	85C	-	-	-	NAT	-
CD4000CN SER.	CMS	VAR	NATIONAL VRSN OF CD4000AE SER.	DIL--C	+10V	85C	-	-	-	NAT	CD4000AE SER
CD4000MD SER.	CMS	VAR	NATIONAL VRSN OF CD4000AD SER.	DIL--C	+10V	125	-	-	-	NAT	CD4000AD SER
CD4000MJ SER.	CMS	VAR	NATIONAL VRSN OF CD4000AF SER.	DIL--C	+10V	125	-	-	-	NAT	CD4000AF SER
CD4000MW	CMS	NOR	NOR, 3 IP + INVERTER, DUAL	FLP14	+10V	125	-	-	Q016	NAT	CD4000UBD
CD4000MW SER.	CMS	VAR	NATIONAL VRSN OF CD4000AK SER.	FLP---	+10V	125	-	-	-	NAT	CD4000AK SER.
CD4000UB SER.	CMS	VAR	UNBUFFERED VRSN OF CD4000 SER.	-	+15V	VAR	-	-	-	RCA	-
CD4000UBD	CMS	NOR	NOR, 3 IP + INVERTER, DUAL	DIL14C	+15V	125	-	-	Q016	RCA	MC14000UBCL
CD4000UBE	CMS	NOR	NOR, 3 IP + INVERTER, DUAL	DIL14P	+15V	85C	-	-	Q016	RCA	CD4000UBD
CD4001AD	CMS	NOR	NOR, 2 IP, QUAD	DIL14C	+10V	125	-	-	Q017	RCA	CD4001MJ
CD4001AE	CMS	NOR	NOR, 2 IP, QUAD	DIL14P	+10V	85C	-	-	Q017	RCA	CD4001CN

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
CD4001BD	CMS	NOR	NOR, 2 IP, QUAD	DIL14C	+10V	125	-	-	Q017	RCA	CD4001BMJ
CD4001BE	CMS	NOR	NOR, 2 IP, QUAD	DIL14P	+15V	85C	-	-	Q017	RCA	CD4001BCN
CD4001CJ	CMS	NOR	NOR, 2 IP, QUAD	DIL14C	+10V	85C	-	-	Q017	NAT	CD4001AD
CD4001MW	CMS	NOR	NOR, 2 IP, QUAD	FLP14	+10V	125	-	-	Q017	NAT	-
CD4001UBD	CMS	NOR	NOR, 2 IP, QUAD	DIL14C	+15V	125	-	-	Q017	RCA	MC14001UBAL
CD4001UBE	CMS	NOR	NOR, 2 IP, QUAD	DIL14P	+15V	85C	-	-	Q017	RCA	SCL4001UBE
CD4002AD	CMS	NOR	NOR, 4 IP, DUAL	DIL14C	+10V	125	-	-	Q018	RCA	CD4002MJ
CD4002AE	CMS	NOR	NOR, 4 IP, DUAL	DIL14P	+10V	85C	-	-	Q018	RCA	CD4002CN
CD4002BD	CMS	NOR	NOR, 4 IP, DUAL	DIL14C	+15V	125	-	-	Q018	RCA	CD4002BMJ
CD4002BE	CMS	NOR	NOR,4 IP, DUAL	DIL14P	+15V	85C	-	-	Q018	RCA	CD4002BCN
CD4002CJ	CMS	NOR	NOR, 4 IP, DUAL	DIL14C	+10V	85C	-	-	Q018	NAT	CD4002AD
CD4002MW	CMS	NOR	NOR, 4 IP, DUAL	FLP14	+10V	125	-	-	Q018	NAT	-
CD4002UBD	CMS	NOR	NOR, 4 IP, DUAL	DIL14C	+15V	125	-	-	Q018	RCA	MC14002UBAL
CD4002UBE	CMS	NOR	NOR, 4 IP, DUAL	DIL14P	+15V	85C	-	-	Q018	RCA	MC14002UBCP
CD4006AD	CMS	SRG	SHIFT REGISTER, 18 BIT, STATIC	DIL14C	+10V	125	-	-	R043	RCA	CD4006MJ
CD4006AE	CMS	SRG	SHIFT REGISTER, 18 BIT, STATIC	DIL14P	+10V	85C	-	-	R043	RCA	CD4006CN
CD4006BD	CMS	SRG	SHIFT REGISTER, 18 BIT, STATIC	DIL14C	+15V	125	-	-	R043	RCA	MC14006BAL
CD4006BE	CMS	SRG	SHIFT REGISTER, 18 BIT, STATIC	DIL14P	+15V	85C	-	-	R043	RCA	MC14006BCP
CD4006MW	CMS	SRG	SHIFT REGISTER, 18 BIT, STATIC	FLP14	+10V	125	-	-	R043	NAT	4006BFM
CD4007AD	CMS	INV	COMPLMT. PAIR + INVERTER, DUAL	DIL14C	+10V	125	-	-	I005	RCA	CD4007MJ
CD4007AE	CMS	INV	COMPLMT. PAIR + INVERTER, DUAL	DIL14P	+10V	85C	-	-	I005	RCA	CD4007CN
CD4007MW	CMS	INV	COMPLMT. PAIR + INVERTER, DUAL	FLP14	+10V	125	-	-	I005	NAT	4007UBFC
CD4007UBD	CMS	INV	COMPLMT. PAIR + INVERTER, DUAL	DIL14C	+15V	125	-	-	I005	RCA	MC14000UBAL
CD4007UBE	CMS	INV	COMPLMT. PAIR + INVERTER, DUAL	DIL14P	+15V	85C	-	-	I005	RCA	4007UBPC
CD4008AD	CMS	ADD	ADDER, FULL,4BT,PARALLEL CARRY	DIL16C	+10V	125	-	-	Z047	RCA	CM4008AD
CD4008AE	CMS	ADD	ADDER, FULL,4BT,PARALLEL CARRY	DIL16P	+10V	75C	-	-	Z047	RCA	HBF4008AF
CD4008BD	CMS	ADD	ADDER, FULL,4BT,PARALLEL CARRY	DIL16C	+15V	125	-	-	Z047	RCA	CD4008BMJ
CD4008BE	CMS	ADD	ADDER, FULL,4BT,PARALLEL CARRY	DIL16P	+15V	85C	-	-	Z047	RCA	CD4008BCN
CD4009AD	CMS	INV	INVERTER/BUFFER,SPLIT VCC, HEX	DIL16C	+10V	125	-	-	I012	RCA	CD4009MJ
CD4009AE	CMS	INV	INVERTER/BUFFER,SPLIT VCC, HEX	DIL16P	+10V	85C	-	-	I012	RCA	CD4009CN
CD4009CJ	CMS	INV	INVERTER/BUFFER,SPLIT VCC, HEX	DIL16C	+10V	85C	-	-	I012	NAT	CD4009AD
CD4009UBD	CMS	INV	INVERTER/BUFFER,SPLIT VCC, HEX	DIL16C	+15V	125	-	-	I012	RCA	MC14009UBAL
CD4009UBE	CMS	INV	INVERTER/BUFFER,SPLIT VCC, HEX	DIL16P	+15V	85C	-	-	I012	RCA	MC14009UBCL
CD4009MW	CMS	INV	INVERTER/BUFFER,SPLIT VCC, HEX	FLP16	+10V	125	-	-	I012	NAT	-
CD4010AD	CMS	BUF	BUFFER, NON INV,SPLIT VCC, HEX	DIL16C	+10V	125	-	-	B021	RCA	CD4010MJ
CD4010AE	CMS	BUF	BUFFER, NON INV,SPLIT VCC, HEX	DIL16P	+10V	85C	-	-	B021	RCA	CD4010CN
CD4010BD	CMS	BUF	BUFFER, NON INV,SPLIT VCC, HEX	DIL16C	+15V	125	-	-	B021	RCA	MC14010BAL
CD4010BE	CMS	BUF	BUFFER, NON INV,SPLIT VCC, HEX	DIL16P	+15V	85C	-	-	B021	RCA	MC14010BCP
CD4010CJ	CMS	BUF	BUFFER, NON INV,SPLIT VCC, HEX	DIL16C	+10V	85C	-	-	B021	NAT	MC14010CL
CD4010MW	CMS	BUF	BUFFER, NON INV,SPLIT VCC, HEX	FLP16	+10V	125	-	-	B021	NAT	-
CD4011AD	CMS	NAN	NAND, 2IP, QUAD	DIL14C	+10V	125	-	-	N020	RCA	CD4011MJ
CD4011AE	CMS	NAN	NAND, 2IP, QUAD	DIL14P	+10V	85C	-	-	N020	RCA	CD4011CN
CD4011BD	CMS	NAN	NAND, 2IP, QUAD	DIL14C	+15V	125	-	-	N020	RCA	CD4011BMJ
CD4011BE	CMS	NAN	NAND, 2IP, QUAD	DIL14P	+15V	85C	-	-	N020	RCA	CD4011BCN
CD4011CJ	CMS	NAN	NAND, 2IP, QUAD	DIL14C	+10V	85C	-	-	N020	NAT	CD4011AD
CD4011MW	CMS	NAN	NAND, 2IP, QUAD	FLP14	+10V	125	-	-	N020	NAT	-
CD4011UBD	CMS	NAN	NAND, 2IP, QUAD	DIL14C	+15V	125	-	-	N020	RCA	MC14011UBAL
CD4011UBE	CMS	NAN	NAND, 2IP, QUAD	DIL14P	+15V	85C	-	-	N020	RCA	MC14011BCP
CD4012AD	CMS	NAN	NAND, 4IP, DUAL	DIL14C	+10V	125	-	-	N021	RCA	CD4012MJ
CD4012AE	CMS	NAN	NAND, 4IP, DUAL	DIL14P	+10V	85C	-	-	N021	RCA	CD4012CN
CD4012BD	CMS	NAN	NAND, 4IP, DUAL	DIL14C	+15V	125	-	-	N021	RCA	CD4012BMJ
CD4012BE	CMS	NAN	NAND, 4IP, DUAL	DIL14P	+15V	85C	-	-	N021	RCA	CD4012BCN
CD4012CJ	CMS	NAN	NAND, 4IP, DUAL	DIL14C	+10V	85C	-	-	N021	NAT	CD4012AE
CD4012MW	CMS	NAN	NAND, 4IP, DUAL	FLP14	+10V	125	-	-	N021	NAT	-
CD4012UBD	CMS	NAN	NAND, 4IP, DUAL	DIL14C	+15V	125	-	-	N021	RCA	MC14012UBAL
CD4012UBE	CMS	NAN	NAND, 4IP, DUAL	DIL14P	+15V	85C	-	-	N021	RCA	MC14012UBCP
CD4013AD	CMS	FFD	FF/D, SET RESET, DUAL	DIL14C	+10V	125	-	-	F051	RCA	CM4013AF
CD4013AE	CMS	FFD	FF/D, SET RESET, DUAL	DIL14P	+10V	85C	-	-	F051	RCA	CM4013AE
CD4013BD	CMS	FFD	FF/D, SET RESET, DUAL	DIL14C	+15V	125	-	-	F051	RCA	CD4013BMJ
CD4013BE	CMS	FFD	FF/D, SET RESET, DUAL	DIL14P	+15V	85C	-	-	F051	RCA	CD4013BCN
CD4014AD	CMS	SRG	SHFT REG, 8BT,SER-PAR,STAT,SYN	DIL16C	+10V	125	-	-	R044	RCA	CD4014MJ
CD4014AE	CMS	SRG	SHFT REG, 8BT,SER-PAR,STAT,SYN	DIL16P	+10V	85C	-	-	R044	RCA	CD4014CN
CD4014BD	CMS	SRG	SHFT REG, 8BT,SER-PAR,STAT,SYN	DIL16C	+15V	125	-	-	R044	RCA	CD4014BMJ
CD4014BE	CMS	SRG	SHFT REG, 8BT,SER-PAR,STAT,SYN	DIL16P	+15V	85C	-	-	R044	RCA	CD4014CN
CD4014CJ	CMS	SRG	SHFT REG, 8BT,SER-PAR,STAT,SYN	DIL16C	+10V	85C	-	-	R044	NAT	CM4014AD
CD4014MW	CMS	SRG	SHFT REG, 8BT,SER-PAR,STAT,SYN	FLP16	+10V	125	-	-	R044	NAT	CM4014AK
CD4015AD	CMS	SRG	SHIFT REG, 4BT,SIPO,STAT, DUAL	DIL16C	+10V	125	-	-	R045	RCA	CD4015CJ
CD4015AE	CMS	SRG	SHIFT REG, 4BT,SIPO,STAT, DUAL	DIL16P	+10V	85C	-	-	R045	RCA	CD4015CN
CD4015BD	CMS	SRG	SHIFT REG, 4BT,SIPO,STAT, DUAL	DIL16C	+15V	125	-	-	R045	RCA	4015BDM
CD4015BE	CMS	SRG	SHIFT REG, 4BT,SIPO,STAT, DUAL	DIL16P	+15V	85C	-	-	R045	RCA	4015BPC
CD4015CJ	CMS	SRG	SHIFT REG, 4BT,SIPO,STAT, DUAL	DIL16C	+10V	85C	-	-	R045	NAT	SCL4015D
CD4015MW	CMS	SRG	SHIFT REG, 4BT,SIPO,STAT, DUAL	FLP16	+10V	125	-	-	R045	NAT	CM4015AF
CD4016AD	CMS	SWT	SWITCH, SPST,BILATERAL, QUAD	DIL14C	+10V	125	-	-	Z048	RCA	CD4016CJ
CD4016AE	CMS	SWT	SWITCH, SPST,BILATERAL, QUAD	DIL14P	+10V	75C	-	-	Z048	RCA	CD4016CN
CD4016BD	CMS	SWT	SWITCH, SPST,BILATERAL, QUAD	DIL14C	+15V	125	-	-	Z048	RCA	CD4016BMJ

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
CD4016BE	CMS	SWT	SWITCH SPST, BILATERAL, QUAD	DIL14P	+15V	85C	-	-	Z048	RCA	CD4016BCN
CD4016CJ	CMS	SWT	SWITCH, SPST,BILATERAL, QUAD	DIL14C	+10V	85C	-	-	Z048	NAT	CD4016AD
CD4016MW	CMS	SWT	SWITCH, SPST,BILATERAL, QUAD	FLP14	+10V	125	-	-	Z048	NAT	CM4016AF
CD4017AD	CMS	CTR	COUNTER/DIVIDER, DECADE,SYNCHR	DIL16C	+10V	125	-	-	C024	RCA	CM4017AD
CD4017AE	CMS	CTR	COUNTER/DIVIDER, DECADE,SYNCHR	DIL16P	+10V	85C	-	-	C024	RCA	CM4017AE
CD4017BD	CMS	CTR	COUNTER/DIVIDER, DECADE,SYNCHR	DIL16C	+15V	125	-	-	C024	RCA	CD4017BMJ
CD4017BE	CMS	CTR	COUNTER/DIVIDER DECADE,SYNCHR	DIL16P	+15V	85C	-	-	C024	RCA	CD4017BCN
CD4018AD	CMS	CTR	COUNTER, DIV BY N(2-10),SYNCHR	DIL16C	+10V	125	-	-	C025	RCA	CM4018AD
CD4018AE	CMS	CTR	COUNTER, DIV BY N(2-10),SYNCHR	DIL16P	+10V	85C	-	-	C025	RCA	CM4018AE
CD4018BD	CMS	CTR	COUNTER, DIV BY N(2-10),SYNCHR	DIL16C	+15V	125	-	-	C025	RCA	CD4018BMJ
CD4018BE	CMS	CTR	COUNTER, DIV BY N(2-10),SYNCHR	DIL16P	+15V	85C	-	-	C025	RCA	CD4018BCN
CD4019AD	CMS	AOR	AND/OR, 2IP, QUAD	DIL16C	+10V	125	-	-	Y026	RCA	CM4019AD
CD4019AE	CMS	AOR	AND/OR, 2IP QUAD	DIL16P	+10V	85C	-	-	Y026	RCA	CM4019AE
CD4019BD	CMS	AOR	AND/OR, 2IP QUAD	DIL16C	+15V	125	-	-	Y026	RCA	CD4019BMJ
CD4019BE	CMS	AOR	AND/OR, 2IP, QUAD	DIL16P	+15V	85C	-	-	Y026	RCA	CD4019BCN
CD4020AD	CMS	CTR	COUNTER/DIVIDER, 14BT,BIN,RPPL	DIL16C	+10V	125	-	-	C026	RCA	CM4020AD
CD4020AE	CMS	CTR	COUNTER/DIVIDER, 14BT,BIN,RPPL	DIL16P	+10V	85C	-	-	C026	RCA	CM4020AE
CD4020BD	CMS	CTR	COUNTER/DIVIDER, 14BT,BIN,RPPL	DIL16C	+15V	125	-	-	C026	RCA	CD4020BMJ
CD4020BE	CMS	CTR	COUNTER/DIVIDER, 14BT,BIN,RPPL	DIL16P	+15V	85C	-	-	C026	RCA	CD4020BCN
CD4021AD	CMS	SRG	SHIFT REG, 8BT,PISO,ASYNC,STAT	DIL16C	+10V	125	-	-	R046	RCA	CD4021CJ
CD4021AE	CMS	SRG	SHIFT REG, 8BT,PISO,ASYNC,STAT	DIL16P	+10V	85C	-	-	R046	RCA	CD4021CN
CD4021BD	CMS	SRG	SHIFT REG, 8BT,PISO,ASYNC,STAT	DIL16C	+15V	125	-	-	R046	RCA	CD4021BMJ
CD4021BE	CMS	SRG	SHIFT REG, 8BT,PISO,ASYNC,STAT	DIL16P	+15V	85C	-	-	R046	RCA	CD4021BCN
CD4021CJ	CMS	SRG	SHIFT REG, 8BT,PISO,ASYNC,STAT	DIL16C	+10V	85C	-		R046	NAT	CM4021AD
CD4021MW	CMS	SRG	SHIFT REG, 8BT,PISO,ASYNC,STAT	FLP16	+10V	125	-	-	R046	NAT	CM4021AK
CD4022AD	CMS	CTR	COUNTER/DIVIDER, DIV BY 8,SYNC	DIL16C	+10V	125	-	-	C027	RCA	CM4022AD
CD4022AE	CMS	CTR	COUNTER/DIVIDER, DIV BY 8,SYNC	DIL16P	+10V	85C	-	-	C027	RCA	CM4022AE
CD4022BD	CMS	CTR	COUNTER/DIVIDER, DIV BY 8,SYNC	DIL16C	+15V	125	-	-	C027	RCA	CD4022BMJ
CD4022BE	CMS	CTR	COUNTER/DIVIDER, DIV BY 8,SYNC	DIL16P	+15V	85C	-	-	C027	RCA	CD4022BCN
CD4023AD	CMS	NAN	NAND, 3IP, TRIPLE	DIL14C	+10V	125	-	-	N022	RCA	CD4023MJ
CD4023AE	CMS	NAN	NAND, 3IP, TRIPLE	DIL14P	+10V	85C	-	-	N022	RCA	CD4023CN
CD4023BD	CMS	NAN	NAND, 3IP, TRIPLE	DIL14C	+15V	125	-	-	N022	RCA	CD4023BMJ
CD4023BE	CMS	NAN	NAND, 3IP, TRIPLE	DIL14P	+15V	85C	-	-	N022	RCA	CD4023BCN
CD4023CJ	CMS	NAN	NAND, 3IP, TRIPLE	DIL14C	+10V	85C	-	-	N022	NAT	MC14023UBCL
CD4023MW	CMS	NAN	NAND, 3IP, TRIPLE	FLP14	+10V	125	-	-	N022	NAT	CM4023AK
CD4023UBD	CMS	NAN	NAND, 3IP, TRIPLE	DIL14C	+15V	125	-	-	N022	RCA	MC14023UBAL
CD4023UBE	CMS	NAN	NAND, 3IP, TRIPLE	DIL14P	+15V	85C	-	-	N022	RCA	MC14023UBCP
CD4024AD	CMS	CTR	COUNTER, 7BT,BINARY,RIPPLE	DIL14C	+10V	125	-	-	C028	RCA	CM4024AD
CD4024AE	CMS	CTR	COUNTER, 7BT,BINARY,RIPPLE	DIL14P	+10V	85C	-	-	C028	RCA	CM4024AE
CD4024BD	CMS	CTR	COUNTER, 7BT,BINARY,RIPPLE	DIL14C	+15V	125	-	-	C028	RCA	CD4024BMJ
CD4024BE	CMS	CTR	COUNTER, 7BT,BINARY,RIPPLE	DIL14P	+15V	85C	-	-	C028	RCA	CD4024BCN
CD4025AD	CMS	NOR	NOR, 3IP, TRIPLE	DIL14C	+10V	125	-	-	Q019	RCA	CD4025MJ
CD4025AE	CMS	NOR	NOR, 3IP, TRIPLE	DIL14P	+10V	85C	-	-	Q019	RCA	CD4025CN
CD4025BD	CMS	NOR	NOR, 3IP, TRIPLE	DIL14C	+15V	125	-	-	Q019	RCA	CD4025BMJ
CD4025BE	CMS	NOR	NOR, 3IP, TRIPLE	DIL14P	+15V	85C	-	-	Q019	RCA	CD4025BCN
CD4025CJ	CMS	NOR	NOR, 3IP, TRIPLE	DIL14C	+10V	85C	-	-	Q019	NAT	CD4025AD
CD4025MW	CMS	NOR	NOR, 3IP, TRIPLE	FLP14	+10V	125	-	-	Q019	NAT	CM4025AK
CD4025UBD	CMS	NOR	NOR, 3IP, TRIPLE	DIL14C	+15V	125	-	-	Q019	RCA	-
CD4025UBE	CMS	NOR	NOR, 3IP, TRIPLE	DIL14P	+15V	85C	-	-	Q019	RCA	MC14025UBCL
CD4026AD	CMS	DSP	DISPLAY DRIVER, 7SGT, DECADE	DIL16C	+10V	125	-	-	C029	RCA	HBC4026AD
CD4026AE	CMS	DSP	DISPLAY DRIVER, 7SGT, DECADE	DIL16P	+15V	85C	-	-	C029	RCA	CM4026AE
CD4026BD	CMS	DSP	DISPLAY DRIVER, 7SGT, DECADE	DIL16C	+15V	125	-	-	C029	RCA	HCC4026BD
CD4026BE	CMS	DSP	DISPLAY DRIVER, 7SGT, DECADE	DIL16P	+15V	85C	-	-	C029	RCA	HCF4026BE
CD4027AD	CMS	FFJ	FF/JK, MASTER SLAVE, DUAL	DIL15C	+10V	125	-	-	F052	RCA	HBF4027AD
CD4027AE	CMS	FFJ	FF/JK, MASTER SLAVE, DUAL	DIL16P	+10V	85C	-	-	F052	RCA	CM4027AE
CD4027BD	CMS	FFJ	FF/JK, MASTER SLAVE, DUAL	DIL16C	+15V	125	-	-	F052	RCA	CD4027BMJ
CD4027BE	CMS	FFJ	FF/JK, MASTER SLAVE, DUAL	DIL16P	+15V	85C	-	-	F052	RCA	CD4027BCN
CD4028AD	CMS	DCD	DECODER, BCD-DECML,BNARY-OCTAL	DIL C	+10V	125	-	-	D022	RCA	CM4028AD
CD4028AE	CMS	DCD	DECODER, BCD-DECML,BNARY-OCTAL	DIL16P	+10V	85C	-	-	D022	RCA	CM4028AE
CD4028BD	CMS	DCD	DECODER, BCD-DECML,BNARY-OCTAL	DIL16C	+15V	125	-	-	D022	RCA	CD4028BMJ
CD4028BE	CMS	DCD	DECODER, BCD-DECML,BNARY-OCTAL	DIL16P	+15V	85C	-	-	D022	RCA	CD4028BCN
CD4029AD	CMS	CTR	COUNTER,UP/DWN, DECADE,SYNCHR.	DIL16C	+10V	125	-	-	C030	RCA	CM4029AD
CD4029AE	CMS	CTR	COUNTER,UP/DWN, DECADE,SYNCHR.	DIL14P	+10V	85C	-	-	C030	RCA	CM4029AE
CD4029BD	CMS	CTR	COUNTER,UP/DWN, DECADE,SYNCHR.	DIL16C	+15V	85C	-	-	C030	RCA	CD4029BCJ
CD4029BE	CMS	CTR	COUNTER,UP/DWN, DECADE,SYNCHR.	DIL16P	+15V	85C	-	-	C030	RCA	CD4029CN
CD4030BD	CMS	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14C	+15V	125	-	-	X008	RCA	4030BDM
CD4030BE	CMS	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14P	+15V	85C	-	-	X008	RCA	4030BPC
CD4030CJ	CMS	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14C	+10V	85C	-	-	X008	NAT	CD4030AD
CD4030MW	CMS	XOR	EXCLUSIVE OR, 2IP, QUAD	FLP14	+10V	125	-	-	X008	NAT	CM4030AF
CD4030AD	CMS	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14C	+10V	125	-	-	X008	RCA	CD4030CJ
CD4030AE	CMS	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14P	+10V	85C	-	-	X008	RCA	CD4030AD
CD4031AD	CMS	SRG	SHIFT REG, 64BT,SERIAL IP,STAT	DIL16C	+10V	125	-	-	R047	RCA	HBC4031AD
CD4031AE	CMS	SRG	SHIFT REG, 64BT,SERIAL IP,STAT	DIL16P	+10V	85C	-	-	R047	RCA	HBC4031AE
CD4031BD	CMS	SRG	SHIFT REG, 64BT,SERIAL IP,STAT	DIL16C	+15V	125	-	-	R047	RCA	CD4031BCJ
CD4031BE	CMS	SRG	SHIFT REG, 64BT,SERIAL IP,STAT	DIL16P	+15V	85C	-	-	R047	RCA	CD4031BCN

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAK ER	SUBSTITUTE
CD4032AD	CMS	ADD	ADDER, SERIAL,ACT HIGH, TRIPLE	DIL16C	+10V	125	-	-	Z049	RCA	HBC4032AF
CD4032AE	CMS	ADD	ADDER, SERIAL,ACT HIGH, TRIPLE	DIL16P	+10V	85C	-	-	Z049	RCA	HBF4032AE
CD4032BD	CMS	ADD	ADDER, SERIAL,ACT HIGH, TRIPLE	DIL16C	+15V	125	-	-	Z049	RCA	MC14032BAL
CD4032BE	CMS	ADD	ADDER, SERIAL,ACT HIGH, TRIPLE	DIL16P	+15V	85C	-	-	Z049	RCA	MC14032BCP
CD4033AD	CMS	DSP	DISPLAY DRIVER, 7SGT, DECADE	DIL16C	+10V	125	-	-	C031	RCA	HBC4033AD
CD4033AE	CMS	DSP	DISPLAY DRIVER, 7SGT, DECADE	DIL16P	+10V	85C	-	-	C031	RCA	HBF4033AE
MC14033BCL	CMS	DSP	DISPLAY DRIVER, 7SGT, DECADE	DIL16C	+15V	85C	-	-	C031	MOT	CD4033BD
CD4033BD	CMS	DSP	DISPLAY DRIVER, 7SGT, DECADE	DIL16C	+15V	125	-	-	C031	RCA	HCC4033BD
CD4033BE	CMS	DSP	DISPLAY DRIVER, 7SGT, DECADE	DIL16P	+15V	85C	-	-	C031	RCA	HCF4033BE
CD4034AD	CMS	SRG	SHIFT REG, 8BT,BIDIR. BUS,STAT	DIL24C	+10V	125	-	-	R048	RCA	HBC4034AD
CD4034AE	CMS	SRG	SHIFT REG, 8BT,BIDIR. BUS,STAT	DIL24P	+10V	85C	-	-	R048	RCA	HBF4034AE
CD4034BD	CMS	SRG	SHIFT REG, 8BT,BIDIR BUS,STAT	DIL24C	+15V	125	-	-	R048	RCA	CD4034BMJ
CD4034BE	CMS	SRG	SHIFT REG, 8BT,BIDIR. BUS,STAT	DIL24P	+15V	85C	-	-	R048	RCA	CD4034BCN
CD4035AD	CMS	SRG	SHIFT REG, 4BT, PIPO	DIL16C	+10V	125	-	-	R049	RCA	HBC4035AD
CD4035AE	CMS	SRG	SHIFT REG, 4BT, PIPO	DIL16P	+10V	85C	-	-	R049	RCA	HBF4035AE
CD4035BD	CMS	SRG	SHIFT REG, 4BT, PIPO	DIL16C	+15V	125	-	-	R049	RCA	CD4035BMJ
CD4035BE	CMS	SRG	SHIFT REG, 4BT, PIPO	DIL16P	+15V	85C	-	-	R049	RCA	CD4035BCN
CD4037AD	CMS	AOR	AND/OR, BIPHASE PAIRS, TRIPLE	DIL14C	+10V	125	-	-	Y029	RCA	HBC4037AD
CD4037AE	CMS	AOR	AND/OR, BIPHASE PAIRS, TRIPLE	DIL14P	+10V	85C	-	-	Y029	RCA	HBF4037AE
CD4038AD	CMS	ADD	ADDER, SERIAL,ACT LOW, TRIPLE	DIL16C	+10V	125	-	-	Z050	RCA	HBC4038AD
CD4038AE	CMS	ADD	ADDER, SERIAL,ACT LOW, TRIPLE	DIL16P	+10V	85C	-	-	Z050	RCA	HBF4038AE
CD4038BD	CMS	ADD	ADDER, SERIAL,ACT LOW, TRIPLE	DIL16C	+15V	125	-	-	Z050	RCA	MC14038BAL
CD4038BE	CMS	ADD	ADDER, SERIAL,ACT LOW, TRIPLE	DIL16P	+15V	85C	-	-	Z050	RCA	MC14038BCP
CD4040AD	CMS	CTR	COUNTER, 12BT,BINARY,RIPPLE	DIL16C	+10V	125	-	-	C032	RCA	HBC4040AD
CD4040AE	CMS	CTR	COUNTER, 12BT,BINARY,RIPPLE	DIL16P	+10V	85C	-	-	C032	RCA	HBC4040AE
CD4040BD	CMS	CTR	COUNTER, 12BT,BINARY,RIPPLE	DIL16C	+15V	125	-	-	C032	RCA	CD4040BMJ
CD4040BE	CMS	CTR	COUNTER, 12BT,BINARY,RIPPLE	DIL16P	+15V	85C	-	-	C032	RCA	CD4040BCN
CD4041AE	CMS	INV	INVERTER/BUFFER, TRUE CMP,QUAD	DIL14P	+10V	85C	-	-	I006	RCA	CD4041CN
CD4041CJ	CMS	INV	INVERTER/BUFFER, TRUE CMP,QUAD	DIL14C	+10V	85C	-	-	I006	NAT	CD4041AD
CD4041CN	CMS	INV	INVERTER/BUFFER, TRUE CMP,QUAD	DIL14P	+10V	85C	-	-	I006	NAT	CD4041AE
CD4041MJ	CMS	INV	INVERTER/BUFFER, TRUE CMP,QUAD	DIL14C	+10V	125	-	-	I006	NAT	CD4041AD
CD4041MW	CMS	INV	INVERTER/BUFFER, TRUE CMP,QUAD	FLP14	+10V	125	-	-	I006	NAT	HBC4041AK
CD4041UBD	CMS	INV	INVERTER/BUFFER, TRUE CMP,QUAD	DIL14C	+15V	125	-	-	I006	RCA	HCC4041UBD
CD4041UBE	CMS	INV	INVERTER/BUFFER, TRUE CMP,QUAD	DIL14P	+15V	85C	-	-	I006	RCA	HCF4041UBE
CD4042AD	CMS	LCH	LATCH, D TYPE,CLOCKED, QUAD	DIL16C	+10V	125	-	-	L018	RCA	CM4042AD
CD4042AE	CMS	LCH	LATCH, D TYPE,CLOCKED, QUAD	DIL16P	+10V	85C	-	-	L018	RCA	HBF4042AE
CD4042BD	CMS	LCH	LATCH, D TYPE,CLOCKED, QUAD	DIL16C	+15V	125	-	-	L018	RCA	CD4042BMJ
CD4042BE	CMS	LCH	LATCH, D TYPE,CLOCKED, QUAD	DIL16P	+15V	85C	-	-	L018	RCA	CD4042BCN
CD4043AD	CMS	LCH	LATCH, RS, NOR, 3S, QUAD	DIL16C	+10V	125	-	-	L019	RCA	CD4043CJ
CD4043AE	CMS	LCH	LATCH, RS, NOR, 3S, QUAD	DIL16P	+10V	85C	-	-	L019	RCA	CD4043CN
CD4043BD	CMS	LCH	LATCH, RS, NOR, 3S, QUAD	DIL16C	+15V	125	-	-	L019	RCA	CD4043BMJ
CD4043BE	CMS	LCH	LATCH, RS, NOR, 3S, QUAD	DIL16P	+15V	85C	-	-	L019	RCA	CD4043BCN
CD4043CJ	CMS	LCH	LATCH, RS, NOR, 3S, QUAD	DIL16C	+10V	85C	-	-	L019	NAT	CD4043AD
CD4043MW	CMS	LCH	LATCH, RS, NOR, 3S, QUAD	FLP16	+10V	125	-	-	L019	NAT	HBC4043AK
CD4044AD	CMS	LCH	LATCH, RS, NOR, 3S, QUAD	DIL16C	+10V	125	-	-	L020	RCA	CD4044MJ
CD4044AE	CMS	LCH	LATCH, RS, NOR, 3S, QUAD	DIL16P	+10V	85C	-	-	L020	RCA	CD4044CN
CD4044BD	CMS	LCH	LATCH, RS, NOR, 3S, QUAD	DIL16C	+15V	125	-	-	L020	RCA	CD4044BMJ
CD4044BE	CMS	LCH	LATCH, RS, NOR, 3S, QUAD	DIL16P	+15V	85C	-	-	L020	RCA	CD4044BCN
CD4044CJ	CMS	LCH	LATCH, RS, NOR, 3S, QUAD	DIL16C	+10V	85C	-	-	L020	NAT	-
CD4044MW	CMS	LCH	LATCH, RS, NOR, 3S, QUAD	FLP16	+10V	125	-	-	L020	NAT	-
CD4045AD	CMS	CTR	COUNTER, OSC,21BT BINRY,RIPPLE	DIL16C	+10V	125	-	-	C033	RCA	HCC4045AD
CD4045AE	CMS	CTR	COUNTER, OSC,21BT BINRY,RIPPLE	DIL16P	+10V	85C	-	-	C033	RCA	HBF4045AE
CD4045BD	CMS	CTR	COUNTER, OSC,21BT BINRY,RIPPLE	DIL16C	+15V	125	-	-	C033	RCA	4045BDM
CD4045BE	CMS	CTR	COUNTER, OSC,21BT BINRY,RIPPLE	DIL16P	+15V	85C	-	-	C033	RCA	4045BPC
CD4046AD	CMS	PLL	PHASE LOCK LOOP, MICROPWR	DIL16C	+10V	125	-	-	Z051	RCA	-
CD4046AE	CMS	PLL	PHASE LOCK LOOP MICROPWR	DIL16P	+10V	85C	-	-	Z051	RCA	-
CD4046BD	CMS	PLL	PHASE LOCK LOOP, MICROPWR	DIL16C	+15V	125	-	-	Z051	RCA	CD4046BMJ
CD4046BE	CMS	PLL	PHASE LOCK LOOP, MICROPWR	DIL16P	+15V	85C	-	-	Z051	RCA	CD4046BCN
CD4047AD	CMS	MON	MULTIVIBRATOR, MONO/ASTABLE	DIL14C	+10V	125	-	-	U008	RCA	HBC4047AD
CD4047AE	CMS	MON	MULTIVIBRATOR, MONO/ASTABLE	DIL14P	+10V	85C	-	-	U008	RCA	HBF4047AE
CD4047BD	CMS	MON	MULTIVIBRATOR, MONO/ASTABLE	DIL14C	+15V	125	-	-	U008	RCA	CD4047BMJ
CD4047BE	CMS	MON	MULTIVIBRATOR, MONO/ASTABLE	DIL14P	+15V	85C	-	-	U008	RCA	CD4047BCN
CD4048AD	CMS	XXX	MULTIFUNCTION GATE, 8IP,EXPDBL	DIL16C	+10V	125	-	-	Z052	RCA	HBC4048AD
CD4048AE	CMS	XXX	MULTIFUNCTION GATE, 8IP,EXPDBL	DIL16P	+10V	85C	-	-	Z052	RCA	HBF4048AE
CD4048BCJ	CMS	XXX	MULTIFUNCTION GATE, 8IP,EXPDBL	DIL16C	+15V	85C	-	-	Z052	NAT	CD4048BD
CD4048BD	CMS	XXX	MULTIFUNCTION GATE, 8IP,EXPDBL	DIL16C	+15V	125	-	-	Z052	RCA	CD4048BMJ
CD4048BE	CMS	XXX	MULTIFUNCTION GATE, 8IP,EXPDBL	DIL16P	+15V	85C	-	-	Z052	RCA	CD4048BCN
CD4048BMW	CMS	XXX	MULTIFUNCTION GATE, 8IP,EXPDBL	FLP16	+15V	125	-	-	Z052	NAT	HCC4048BK
CD4049AD	CMS	INV	INVERTER, BUFFER, HEX	DIL16C	+10V	125	-	-	I007	RCA	CD4049MJ
CD4049AE	CMS	INV	INVERTER, BUFFER, HEX	DIL16P	+10V	85C	-	-	I007	RCA	CD4049CN
CD4049CJ	CMS	INV	INVERTER, BUFFER, HEX	DIL16C	+10V	85C	-	-	I007	NAT	HBF4049AD
CD4049MW	CMS	INV	INVERTER, BUFFER, HEX	FLP16	+10V	125	-	-	I007	NAT	HBC4049AK
CD4049UBD	CMS	INV	INVERTER, BUFFER, HEX	DIL16C	+15V	125	-	-	I007	RCA	MC14049UBAL
CD4049UBE	CMS	INV	INVERTER, BUFFER, HEX	DIL16P	+15V	85C	-	-	I007	RCA	MC14049UBCP
CD4050AD	CMS	BUF	BUFFER, NON INVERTING, HEX	DIL16C	+10V	125	-	-	B017	RCA	HBC4050AF

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
CD4050AE	CMS	BUF	BUFFER, NON INVERTING, HEX	DIL16P	+10V	85C	-	-	B017	RCA	HBF4050AE
CD4050BD	CMS	BUF	BUFFER, NON INVERTING, HEX	DIL16C	+15V	125	-	-	B017	RCA	CD4050BMJ
CD4050BE	CMS	BUF	BUFFER, NON INVERTING, HEX	DIL16P	+15V	85C	-	-	B017	RCA	CD4050BCN
CD4051BD	CMS	MUX	MULTIPLEXER, 8-CHANNEL SWITCH	DIL16C	+15V	125	-	-	M022	RCA	CD4051BMJ
CD4051BE	CMS	MUX	MULTIPLEXER, 8-CHANNEL SWITCH	DIL16P	+15V	85C	-	-	M022	RCA	CD4051BCN
CD4052BD	CMS	MUX	MUX, 4-CH SWITCH,COUPLED, DUAL	DIL16C	+15V	125	-	-	M023	RCA	CD4052BMJ
CD4052BE	CMS	MUX	MUX, 4-CH SWITCH,COUPLED, DUAL	DIL16P	+15V	85C	-	-	M023	RCA	CD4052BCN
CD4053BD	CMS	MUX	MUX, 2-CH SWTCH,COUPLED,TRIPLE	DIL16C	+15V	125	-	-	M024	RCA	CD4053BMJ
CD4053BE	CMS	MUX	MUX, 2-CH SWTCH,COUPLED,TRIPLE	DIL16P	+15V	85C	-	-	M024	RCA	CD4053BCN
CD4054BD	CMS	DSP	DISPLAY DRIVER,LCD,BCD-7SG DEC	DIL16C	+15V	125	-	-	D023	RCA	HCC4050BD
CD4054BE	CMS	DSP	DISPLAY DRIVER,LCD,BCD-7SG DEC	DIL16P	+15V	85C	-	-	D023	RCA	HCF4054BE
CD4055BD	CMS	DSP	DISPLAY DRIVER,LCD,BCD-7SG DEC	DIL16C	+15V	125	-	-	D024	RCA	HCC4055BD
CD4055BE	CMS	DSP	DISPLAY DRIVER,LCD,BCD-7SG DEC	DIL16P	+15V	85C	-	-	D024	RCA	HCF4055BE
CD4056BD	CMS	DSP	DISPLAY DRIVER,LCD,BCD-7SG DEC	DIL16C	+15V	125	-	-	D025	RCA	HCC4056BD
CD4056BE	CMS	DSP	DISPLAY DRIVER,LCD,BCD-7SG DEC	DIL16P	+15V	85C	-	-	D025	RCA	HCF4056BE
CD4057AD	CMS	ALU	ARITHMETIC LOGIC UNIT, LSI	DIL28C	+10V	125	-	-	W005	RCA	HBC4057AD
CD4057AE	CMS	ALU	ARITHMETIC LOGIC UNIT, LSI	DIL28P	+10V	85C	-	-	W005	RCA	HBF4057AE
CD4059AD	CMS	CTR	COUNTER, DIV BY N PROGRAM,SYNC	DIL24C	+10V	125	-	-	C047	RCA	HBC4059AD
CD4059AE	CMS	CTR	COUNTER, DIV BY N PROGRAM SYNC	DIL24P	+10V	85C	-	-	C047	RCA	HBF4059AE
CD4060AD	CMS	CTR	COUNTER+OSC,14BT,BINARY,RIPPLE	DIL16C	+10V	125	-	-	C034	RCA	HBC4060AD
CD4060AE	CMS	CTR	COUNTER+OSC,14BT,BINARY,RIPPLE	DIL16P	+10V	85C	-	-	C034	RCA	HBF4060AE
CD4060BCJ	CMS	CTR	COUNTER+OSC,14BT,BINARY,RIPPLE	DIL16C	+15V	85C	-	-	C034	NAT	CD4060BD
CD4060BD	CMS	CTR	COUNTER+OSC,14BT,BINARY,RIPPLE	DIL16C	+15V	125	-	-	C034	RCA	CD4060BMJ
CD4060BE	CMS	CTR	COUNTER+OSC,14BT,BINARY,RIPPLE	DIL16P	+15V	85C	-	-	C034	RCA	CD4060BCN
CD4060BMW	CMS	CTR	COUNTER+OSC,14BT,BINARY,RIPPLE	FLP16	+15V	125	-	-	C034	NAT	HCF4060BK
CD4061AD	CMS	MEM	RAM, 256X1 BIT, STATIC	DIL16C	+10V	125	-	-	S016	RCA	MSM4061A
CD4061AE	CMS	MEM	RAM, 256X1 BIT, STATIC	DIL16C	+10V	85C	-	-	S016	RCA	MSM4061A
CD4062AD	CMS	SRG	SHIFT REG, 200BT, DYNAMIC	DIL16C	+10V	125	-	-	R056	RCA	HBC4062AD
CD4062AE	CMS	SRG	SHIFT REG, 200BT, DYNAMIC	DIL16P	+10V	85C	-	-	R056	RCA	HBF4062AE
CD4063BD	CMS	CMP	COMPARATOR, MAGNITUDE, 4 BIT	DIL16C	+15V	125	-	-	Z053	RCA	HCC4063BD
CD4063BE	CMS	CMP	COMPARATOR, MAGNITUDE, 4 BIT	DIL16P	+15V	85C	-	-	Z053	RCA	HCF4063BE
CD4066AD	CMS	SWT	SWITCH, SPST,BILATERAL, QUAD	DIL14C	+10V	125	-	-	Z054	RCA	HBC4066AD
CD4066AE	CMS	SWT	SWITCH, SPST,BILATERAL, QUAD	DIL14P	+10V	85C	-	-	Z054	RCA	HBF4066AE
CD4066BD	CMS	SWT	SWITCH, SPST,BILATERAL, QUAD	DIL14C	+15V	125	-	-	Z054	RCA	CD4066BMJ
CD4066BE	CMS	SWT	SWITCH, SPST,BILATERAL, QUAD	DIL14P	+15V	85C	-	-	Z054	RCA	CD4066BCN
CD4067BD	CMS	XXX	MUX/DEMUX, 1 TO(FROM) 16 LINES	DIL24C	+15V	125	-	-	M025	RCA	4067BDM
CD4067BE	CMS	XXX	MUX/DEMUX, 1 TO(FROM) 16 LINES	DIL24P	+15V	85C	-	-	M025	RCA	4067BPC
CD4068BD	CMS	NAN	NAND, 8IP	DIL14C	+15V	125	-	-	N023	RCA	4068BDM
CD4068BE	CMS	NAN	NAND, 8IP	DIL14P	+15V	85C	-	-	N023	RCA	4068BPC
CD4069CJ	CMS	INV	INVERTER, HEX	DIL14C	+10V	85C	-	-	I008	NAT	HBF4069F
CD4069CN	CMS	INV	INVERTER, HEX	DIL14P	+10V	85C	-	-	I008	NAT	HBF4069AE
CD4069MJ	CMS	INV	INVERTER, HEX	DIL14C	+10V	125	-	-	I008	NAT	HBC4069AD
CD4069MW	CMS	INV	INVERTER, HEX	FLP14	+10V	125	-	-	I008	NAT	HBC4069AK
CD4069UBD	CMS	INV	INVERTER, HEX	DIL14C	+15V	125	-	-	I008	RCA	4069UBDM
CD4069UBE	CMS	INV	INVERTER, HEX	DIL14P	+15V	85C	-	-	I008	RCA	4069UBPC
CD4070BD	CMS	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14C	+15V	125	-	-	X008	RCA	CD4070BMJ
CD4070BE	CMS	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14P	+15V	85C	-	-	X008	RCA	CD4070BCN
CD4071BD	CMS	ORG	OR, 2IP, QUAD	DIL14C	+15V	125	-	-	O002	RCA	CD4071BMJ
CD4071BE	CMS	ORG	OR, 2IP, QUAD	DIL14P	+15V	85C	-	-	O002	RCA	CD4071BCN
CD4072BD	CMS	ORG	OR, 4IP, DUAL	DIL14C	+15V	125	-	-	O003	RCA	CD4072BMJ
CD4072BE	CMS	ORG	OR, 4IP, DUAL	DIL14P	+15V	85C	-	-	O003	RCA	CD4072BCN
CD4073BD	CMS	AND	AND, 3IP TRIPLE	DIL14C	+15V	125	-	-	A008	RCA	CD4073BMJ
CD4073BE	CMS	AND	AND, 3IP, TRIPLE	DIL14P	+15V	85C	-	-	A008	RCA	CD4073BCN
CD4075BD	CMS	ORG	OR, 3IP, TRIPLE	DIL14C	+15V	125	-	-	O004	RCA	CD4075BMJ
CD4075BE	CMS	ORG	OR, 3IP, TRIPLE	DIL14P	+15V	85C	-	-	O004	RCA	CD4075BCN
CD4076BD	CMS	FFD	FF/D, REGISTER, QUAD	DIL16C	+15V	125	-	-	F053	RCA	CD4076BMJ
CD4076BE	CMS	FFD	FF/D, REGISTER, QUAD	DIL16P	+15V	85C	-	-	F053	RCA	CD4076BCN
CD4077BD	CMS	XNR	EXCLUSIVE NOR, QUAD	DIL14C	+15V	125	-	-	X009	RCA	4077BDM
CD4077BE	CMS	XNR	EXCLUSIVE NOR, QUAD	DIL14P	+15V	85C	-	-	X009	RCA	4077BPC
CD4078BD	CMS	NOR	NOR, 8IP	DIL14C	+15V	125	-	-	Q020	RCA	4078BDM
CD4078BE	CMS	NOR	NOR, 8IP	DIL14P	+15V	85C	-	-	Q020	RCA	4078BPC
CD4081BD	CMS	AND	AND, 2IP, QUAD	DIL14C	+15V	125	-	-	A009	RCA	CD4081BMJ
CD4081BE	CMS	AND	AND, 2IP, QUAD	DIL14P	+15V	85C	-	-	A009	RCA	CD4081BCN
CD4082BD	CMS	AND	AND, 4IP, DUAL	DIL14C	+15V	125	-	-	A010	RCA	CD4082BMJ
CD4082BE	CMS	AND	AND, 4IP, DUAL	DIL14P	+15V	85C	-	-	A010	RCA	CD4082BCN
CD4085BD	CMS	AOI	AND-OR-INVERT, 2IP,2 WIDE,DUAL	DIL14C	+15V	125	-	-	Y027	RCA	4085BDM
CD4085BE	CMS	AOI	AND-OR-INVERT, 2IP,2 WIDE,DUAL	DIL14P	+15V	85C	-	-	Y027	RCA	4085BPC
CD4086BD	CMS	AOI	AOI, 2IP,4 WIDE,EXPANDABLE	DIL14C	+15V	125	-	-	Y028	RCA	4086BDM
CD4086BE	CMS	AOI	AOI, 2IP,4 WIDE,EXPANDABLE	DIL14P	+15V	85C	-	-	Y028	RCA	4086BPC
CD4089BCJ	CMS	MLT	MULTIPLIER, RATE, BINARY	DIL16C	+15V	85C	-	-	Z055	NAT	HCF4089BF
CD4089BCN	CMS	MLT	MULTIPLIER, RATE, BINARY	DIL16P	+10V	85C	-	-	Z055	NAT	-
CD4089BMJ	CMS	MLT	MULTIPLIER, RATE, BINARY	DIL16C	+15V	125	-	-	Z055	NAT	CD4089BD
CD4089BMW	CMS	MLT	MULTIPLIER, RATE, BINARY	FLP16	+15V	125	-	-	Z055	NAT	HCC4089BK
CD4093BD	CMS	NAN	NAND, 2IP, SCHMITT, QUAD	DIL14C	+15V	125	-	-	N024	RCA	CD4093BMJ
CD4093BE	CMS	NAN	NAND, 2IP, SCHMITT, QUAD	DIL14P	+15V	85C	-	-	N024	RCA	CD4093BCN

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
CD4094BD	CMS	REG	REGISTER, BUS,8BT,SER-PAR,HLDG	DIL14C	+15V	125	-	-	R050	RCA	MC14094BAL
CD4094BE	CMS	REG	REGISTER, BUS,8BT,SER-PAR,HLDG	DIL14P	+15V	85C	-	-	R050	RCA	MC14094BCP
CD4095BD	CMS	FFJ	FF/JK, MASTER SLAVE, NON INV	DIL14C	+20V	125	-	-	F054	RCA	HCC4095BD
CD4095BE	CMS	FFJ	FF/JK, MASTER SLAVE, NON INV	DIL14P	+15V	85C	-	-	F054	RCA	HCF4095BE
CD4096BD	CMS	FFJ	FF/JK,MASTER SLAVE,INV+NON INV	DIL14C	+15V	125	-	-	F057	RCA	HCC4096BD
CD4096BE	CMS	FFJ	FF/JK,MASTER SLAVE,INV+NON INV	DIL14P	+15V	85C	-	-	F057	RCA	HCF4096BE
CD4097BD	CMS	XXX	MUX/DEMUX, DIFF,8CHANNEL, DUAL	DIL24C	+15V	125	-	-	M026	RCA	HCC4097BD
CD4097BE	CMS	XXX	MUX/DEMUX, DIFF,8CHANNEL, DUAL	DIL24P	+15V	85C	-	-	M026	RCA	HCF4097BK
CD4098BD	CMS	MON	MULTI, MONO,RETRIGGERABLE,DUAL	DIL16C	+15V	125	-	-	U009	RCA	HCC4098BD
CD4098BE	CMS	MON	MULTI, MONO,RETRIGGERABLE,DUAL	DIL16P	+15V	85C	-	-	U009	RCA	HCF4098BE
CD4099BMW	CMS	LCH	LATCH, 8 BIT, ADDRESSABLE	FLP16	+15V	125	-	-	L021	NAT	HCC4099BK
CD4500B SER.	CMS	-	NATIONAL VRSN OF MC14500B SER.	-	+15V	VAR	-	-	-	NAT	MC14500B SER
CD4500BCJ SER	CMS	VAR	85C CER DIL VRSN CD4500B SER.	DIL--C	+15V	85C	-	-	-	NAT	MC14500BCL SR
CD4500BCN SER	CMS	VAR	85C PLAS DIL VRSN CD4500B SER.	DIL--N	+15V	85C	-	-	-	NAT	MC14500BCP
CD4500BD SER.	CMS	VAR	125C CER DIL VRSN CD4500B SER.	DIL--C	+15V	125	-	-	-	RCA	MC14500BAL SR
CD4500BE SER.	CMS	VAR	85C PLAS DIL VRSN CD4500B SER.	DIL--P	+15V	85C	-	-	-	RCA	MC14500BCP SR
CD4500BF SER.	CMS	VAR	125C CER DIL VRSN CD4500B SER.	DIL--C	+15V	125	-	-	-	RCA	MC14500BAL SR
CD4500BK SER	CMS	VAR	FLAT PACK VRSN OF CD4500B SER.	FLP---	+15V	125	-	-	-	RCA	CD4500MW SER
CD4500BMD SER	CMS	VAR	NATIONAL VRSN OF CD4500BD SER.	DIL--C	+15V	125	-	-	-	NAT	CD4500BD SER
CD4500BMJ SER	CMS	VAR	NATIONAL VRSN OF CD4500BD SER.	DIL--C	+15V	125	-	-	-	NAT	CD4500BD SER
CD4500BMW SER	CMS	VAR	NATIONAL VRSN OF 4500BFM SER.	FLP---	+15V	125	-	-	-	NAT	4500BFM SER
CD4500BY SER.	CMS	VAR	85C CER DIL VRSN OF CD4500B SR	DIL--C	+15V	85C	-	-	-	RCA	CD4500BCJ SER
CD4502BD	CMS	INV	INVERTER/BUFFER, STROBED, HEX	DIL16C	+15V	125	-	-	I010	RCA	HCC4502BD
CD4502BE	CMS	INV	INVERTER/BUFFER, STROBED, HEX	DIL16P	+15V	85C	-	-	I010	RCA	HCF4502BE
CD4507BCJ	CMS	XOR	EXCLUSIVE OR, QUAD	DIL14C	+15V	85C	-	-	X008	NAT	-
CD4507BCN	CMS	XOR	EXCLUSIVE OR, QUAD	DIL14P	+15V	85C	-	-	X008	NAT	-
CD4503BMW	CMS	BUF	BUFFER, NON INV, 3S, HEX	FLP16	+15V	125	-	-	B020	NAT	HD14503B
CD4507BMJ	CMS	XOR	EXCLUSIVE OR, QUAD	DIL14C	+15V	125	-	-	X008	NAT	-
CD4508BD	CMS	LCH	LATCH, 4 BIT, DUAL	DIL24C	+15V	125	-	-	L022	RCA	HCC4508BD
CD4508BE	CMS	LCH	LATCH, 4 BIT, DUAL	DIL24P	+15V	85C	-	-	L022	RCA	HCF4508BE
CD4510BD	CMS	CTR	COUNTER,BCD,UP-DWN,SYNC,PRESET	DIL16C	+15V	125	-	-	C040	RCA	CD4510MJ
CD4510BE	CMS	CTR	COUNTER,BCD,UP-DWN,SYNC,PRESET	DIL16P	+15V	85C	-	-	C040	RCA	CD4510BCN
CD4511BD	CMS	DSP	DRIVER/DECODER/LATCH,BCD-7SGMT	DIL16C	+15V	125	-	-	D026	RCA	CD4511BMJ
CD4511BE	CMS	DSP	DRIVER/DECODER/LATCH,BCD-7SGMT	DIL16P	+15V	85C	-	-	D026	RCA	CD4511BCN
CD4512CJ	CMS	MUX	MUX, DATA SELECTOR, 8 CHANNEL	DIL16C	+10V	85C	-	-	M028	NAT	MSM4512
CD4512CN	CMS	MUX	MUX, DATA SELECTOR, 8 CHANNEL	DIL16P	+10V	85C	-	-	M028	NAT	MSM4512
CD4512MJ	CMS	MUX	MUX, DATA SELECTOR, 8 CHANNEL	DIL16C	+10V	85C	-	-	M028	NAT	MSM4512
CD4514BD	CMS	DCD	DECODER, 4-16LN,4BT,ACT HI,LCH	DIL24C	+15V	125	-	-	D027	RCA	CD4514BMJ
CD4514BE	CMS	DCD	DECODER, 4-16LN,4BT,ACT HI,LCH	DIL24P	+15V	85C	-	-	D027	RCA	CD4514BCN
CD4515BD	CMS	DCD	DECODER,4-16 LN,4BT,ACT LO,LCH	DIL24C	+15V	125	-	-	D028	RCA	CD4515BMJ
CD4515BE	CMS	DCD	DECODER,4-16 LN,4BT,ACT LO,LCH	DIL24P	+15V	85C	-	-	D028	RCA	CD4515BCN
CD4516BD	CMS	CTR	COUNTER, BINARY,UP DOWN, SYNCH	DIL16C	+15V	125	-	-	C041	RCA	CD4516BMJ
CD4516BE	CMS	CTR	COUNTER, BINARY,UP DOWN, SYNCH	DIL16P	+15V	85C	-	-	C041	RCA	CD4516BCN
CD4517BD	CMS	SRG	SHIFT REG, 64 BIT, STATIC,DUAL	DIL16C	+15V	125	-	-	Z999	RCA	MC14517BAL
CD4517BE	CMS	SRG	SHIFT REG, 64 BIT, STATIC,DUAL	DIL16P	+15V	85C	-	-	Z999	RCA	MC14517BCP
CD4518BD	CMS	CTR	COUNTER, BCD,UP,SYNC, DUAL	DIL16C	+15V	125	-	-	C042	RCA	CD4518BMJ
CD4518BE	CMS	CTR	COUNTER, BCD,UP,SYNC, DUAL	DIL16P	+15V	85C	-	-	C042	RCA	CD4518BCN
CD4520BD	CMS	CTR	COUNTER, BINARY,UP,SYNC, DUAL	DIL16C	+15V	125	-	-	C043	RCA	CD4520BMJ
CD4520BE	CMS	CTR	COUNTER, BINARY,UP,SYNC, DUAL	DIL16P	+15V	85C	-	-	C043	RCA	CD4520BCN
CD4527BD	CMS	MLT	MULTIPLIER, RATE,BCD	DIL16C	+15V	125	-	-	Z061	RCA	CD4527BMJ
CD4527BE	CMS	MLT	MULTIPLIER, RATE,BCD	DIL16P	+15V	85C	-	-	Z061	RCA	CD4527BCN
CD4532BD	CMS	ENC	ENCODER, PRIORITY	DIL16C	+15V	125	-	-	M030	RCA	4532BDM
CD4532BE	CMS	ENC	ENCODER, PRIORITY	DIL16P	+15V	85C	-	-	M030	RCA	4532BPC
CD4555BD	CMS	DCD	DECODER,2-4 LN,NON INV, DUAL	DIL16C	+15V	125	-	-	D029	RCA	4555BDM
CD4555BE	CMS	DCD	DECODER,2-4 LN,NON INV, DUAL	DIL16P	+15V	85C	-	-	D029	RCA	4555BPC
CD4556BD	CMS	DCD	DECODER,2-4 LN,INV,ACT LO,DUAL	DIL16C	+15V	125	-	-	D030	RCA	4556BDM
CD4556BE	CMS	DCD	DECODER,2-4 LN,INV,ACT LO,DUAL	DIL16P	+15V	85C	-	-	D030	RCA	4556BPC
CD4585BD	CMS	CMP	COMPARATOR, MAGNITUDE, 4 BIT	DIL16C	+15V	125	-	-	Z025	RCA	MC14585BA
CD4585BE	CMS	CMP	COMPARATOR, MAGNITUDE, 4 BIT	DIL16P	+15V	85C	-	-	Z025	RCA	MC14585BCP
CD4700B SER	CMS	VAR	NATIONAL VRSN OF 4700B SERIES	-	+15V	VAR	-	-	-	NAT	4700B SERIES
CD4700B SER	CMS	VAR	RCA VRSN OF 4700B SERIES	-	+15V	VAR	-	-	-	RCA	4700B SERIES
CD4724BD	CMS	LCH	LATCH, 8 BIT,ADDRESSABLE	DIL16C	+15V	125	-	-	L004	RCA	CD4724BMJ
CD4724BE	CMS	LCH	LATCH, 8 BIT,ADDRESSABLE	DIL16P	+15V	85C	-	-	L004	RCA	CD4724BCN
CD22100 SER	CMS	CMS	RCA SPECIAL FUNCTION SERIES	-	+15V	VAR	-	-	-	RCA	-
CD22100D	CMS	SWT	SWITCH, CROSSPOINT, 4X4	DIL16C	+15V	125	-	-	Z999	RCA	-
CD22100E	CMS	SWT	SWITCH, CROSSPOINT, 4X4	DIL16P	+15V	85C	-	-	Z999	RCA	-
CD22101D	CMS	SWT	SWITCH, CROSSPOINT, 4X4X2	DIL24C	+15V	125	-	-	Z999	RCA	-
CD22101E	CMS	SWT	SWITCH, CROSSPOINT, 4X4X2	DIL24P	+15V		-	-	Z999	RCA	-
CD22102D	CMS	SWT	SWITCH, CROSSPOINT, 4X4X2	DIL24C	+15V	125	-	-	Z999	RCA	-
CD22102E	CMS	SWT	SWITCH, CROSSPOINT, 4X4X2	DIL24P	+15V	85C	-	-	Z999	RCA	-
CD22104AE	CMS	DSP	DRIVER/DECDR,LCD,BIN-DEC,4 DIG	DIL40P	+15V	85C	-	-	Z999	RCA	-
CD22104E	CMS	DSP	DRIVER/DECDR,LCD,BIN-HEX,4 DIG	DIL40P	+15V	85C	-	-	Z999	RCA	-
CD22859D	CMS	XXX	TONE GEN, MULTIFREQ, DUAL TONE	DIL16C	+10V	85C	-	-	Z999	RCA	-
CD22859E	CMS	XXX	TONE GEN, MULTIFREQ, DUAL TONE	DIL16P	+10V	85C	-	-	Z999	RCA	-
CD400061AC	CMS	MEM	RAM, 256X1 BIT, 3S	DIL16C	+10V	125	-	-	Z999	RCA	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAK ER	SUBSTITUTE
CD40061AE	CMS	MEM	RAM, 256X1 BIT, 3S	DIL16P	+10V	85C	-	-	Z999	RCA	-
CD40061E	CMS	MEM	RAM, 256X1 BIT. 3S	DIL16C	+5V	85C	-	-	Z999	RCA	-
CD40100B SER.	CMS	VAR	CONTINUATION OF CD40000B SER.	-	+15V	VAR	-	-	-	RCA	40100B SERIES
CD40100BD	CMS	SRG	SHIFT REG, 32 BIT,LEFT/RIGHT	DIL16C	+15V	125	-	-	R051	REA	HCC40100BD
CD40100BE.	CMS	SRG	SHIFT REG, 32 BIT,LEFT/RIGHT	DIL16P	+15V	85C	-	-	R051	RCA	HCF40100BE
CD40101BD	CMS	PAR	PARITY GEN/CHECKER, 9 BIT	DIL14C	+15V	125	-	-	Z056	RCA	HCC40101BD
CD40101BE	CMS	PAR	PARITY GEN/CHECKER, 9 BIT	DIL14P	+15V	85C	-	-	Z056	RCA	HCF40101BE
CD40102BD	CMS	CTR	COUNTER, BCD,DOWN,SYNC,PRESETT	DIL16C	+15V	125	-	-	C035	RCA	HCC40102BD
CD40102BE	CMS	CTR	COUNTER, BCD,DOWN,SYNC,PRESETT	DIL16P	+15V	85C	-	-	C035	RCA	HCF40102BE
CD40103BD	CMS	CTR	COUNTER,BINARY,DOWN,SYNC,8 BIT	DIL16C	+15V	125	-	-	C036	RCA	HCC40103BD
CD40103BE	CMS	CTR	COUNTER,BINARY,DOWN,SYNC,8 BIT	DIL16P	+15V	85C	-	-	C036	RCA	HCF40103BE
CD40105BD	CMS	REG	FIFO,BUFFER,4BT WIDE,16BT LONG	DIL16C	+15V	125	-	-	R053	RCA	HCC40105BD
CD40105BE	CMS	REG	FIFO,BUFFER,4BT WIDE,16BT LONG	DIL16P	+15V	85C	-	-	R053	RCA	HCF40105BE
CD40106BD	CMS	SCH	SCHMITT, INVERTER, HEX	DIL14C	+15V	125	-	-	I009	RCA	CD40106BMJ
CD40106BE	CMS	SCH	SCHMITT, INVERTER, HEX	DIL14P	+15V	85C	-	-	I009	RCA	CD40106BCN
CD40106BMW	CMS	SCH	SCHMITT, INVERTER, HEX	FLP14	+15V	125	-	-	I009	NAT	HCC40106BK
CD40107BD	CMS	NAN	NAND, BUFFER/DRIVER, 2IP, DUAL	DIL8C	+15V	125	-	-	B018	RCA	HCC40107BD
CD40107BE	CMS	NAN	NAND, BUFFER/DRIVER, 2IP, DUAL	DIL8P	+15V	85C	-		B018	RCA	HCF40107BE
CD40108BD	CMS	REG	REGISTER, MULTIPORT, 4X4 PORT	DIL24C	+15V	125	-	-	R054	RCA	HCC40108BD
CD40108BE	CMS	REG	REGISTER, MULTIPORT, 4X4 PORT	DIL24P	+15V	85C	-	-	R054	RCA	HCC40108BE
CD40109BD	CMS	LSH	LEVEL SHIFTER,LO-HI VOLT, QUAD	DIL16C	+15V	125	-	-	B019	RCA	HCC40109BD
CD40109BE	CMS	LSH	LEVEL SHIFTER,LO-HI VOLT, QUAD	DIL16P	+15V	85C	-	-	B019	RCA	HCF40109BE
CD40110BD	CMS	CTR	COUNTER/LATCH/DECODER, DECADE	DIL16C	+15V	125	-	-	C037	RCA	-
CD40110BE	CMS	CTR	COUNTER/LATCH/DECODER, DECADE	DIL16P	+15V	85C	-	-	C037	RCA	-
CD40114BD	CMS	MEM	RAM, 16X4 BIT	DIL16C	+15V	125	-	-	S001	RCA	-
CD40114BE	CMS	MEM	RAM, 16X4 BIT	DIL16P	+15V	85C	-	-	S001	RCA	-
CD40115D	CMS	LSH	LEVEL SHIFTER,CMOS-TTL,8 BIT	DIL22C	+10V	125	-	-	Z999	RCA	-
CD40116D	CMS	LSH	LEVEL SHIFTER,CMOS-TTL, 8 BIT	DIL22C	+12V	125	-	-	Z999	RCA	-
CD40116E	CMS	LSH	LEVEL SHIFTER,CMOS-TTL, 8 BIT	DIL22P	+12V	85C	-	-	Z999	RCA	-
CD40147BD	CMS	ENC	ENCODER,PRIORITY,10-4 LINE,BCD	DIL16C	+15V	125	-	-	Z999	RCA	-
CD40147BE	CMS	ENC	ENCODER,PRIORITY,10-4 LINE,BCD	DIL16P	+15V	85C	-	-	Z999	RCA	-
CD40160BD	CMS	CTR	COUNTER,DECADE,SYNC,ASYN RESET	DIL16C	+15V	125	-	-	C038	RCA	CD40160MJ
CD40160BE	CMS	CTR	COUNTER,DECADE,SYNC,ASYN RESET	DIL16P	+15V	85C	-	-	C038	RCA	CD40160BCN
CD40161BD	CMS	CTR	COUNTER,4BT BIN,SYN,ASYN RESET	DIL16C	+15V	125	-	-	C038	RCA	CD40161BMJ
CD40161BE	CMS	CTR	COUNTER,4BT BIN,SYN,ASYN RESET	DIL16P	+15V	85C	-	-	C038	RCA	CD40161BCN
CD40162BD	CMS	CTR	COUNTER,DECADE,SYNC,SYNC RESET	DIL16C	+15V	125	-	-	C038	RCA	CD40162BMJ
CD40162BE	CMS	CTR	COUNTER,DECADE,SYNC,SYNC RESET	DIL16P	+15V	85C	-	-	C038	RCA	CD40162BCN
CD40163BD	CMS	CTR	COUNTER,4BT BIN,SYNC,SYN RESET	DIL16C	+15V	125	-	-	C038	RCA	CD40163BMJ
CD40163BE	CMS	CTR	COUNTER,4BT BIN,SYNC,SYN RESET	DIL16P	+15V	85C	-	-	C038	RCA	CD40163BCN
CD40174BD	CMS	FFD	FF/D, HEX	DIL16C	+15V	125	-	-	F055	RCA	CD40174BMJ
CD40174BE	CMS	FFD	FF/D, HEX	DIL16P	+15V	85C	-	-	F055	RCA	CD40174BCN
CD40181BD	CMS	MLT	RATE MULTIPLIER,ALU, 4 BIT	DIL24C	+15V	125	-	-	Z057	RCA	HCC40181BD
CD40181BE	CMS	MLT	RATE MULTIPLIER,ALU, 4 BIT	DIL24P	+15V	85C	-	-	Z057	RCA	HCF40181BE
CD40182BD	CMS	MLT	RATE MULTIPLIER,ALU,LAHC BLOCK	DIL16C	+15V	125	-	-	Z058	RCA	HCC40182BD
CD40182BE	CMS	MLT	RATE MULTIPLIER,ALU,LAHC BLOCK	DIL16P	+15V	85C	-	-	Z058	RCA	
CD40192BD	CMS	CTR	COUNTER,BCD,UP/DWN,SYN,DUAL CK	DIL16C	+15V	125	-	-	C039	RCA	CD40192BMJ
CD40192BE	CMS	CTR	COUNTER,BCD,UP/DWN,SYN,DUAL CK	DIL16P	+15V	85C	-	-	C039	RCA	CD40192BCN
CD40193BD	CMS	CTR	COUNTER,BIN,UP/DWN,SYN,DUAL CK	DIL16C	+15V	125	-	-	C039	RCA	CD40193BMJ
CD40193BE	CMS	CTR	COUNTER,BIN,UP/DWN,SYN,DUAL CK	DIL16P	+15V	85C	-	-	C039	RCA	CD40193BCN
CD40208BD	CMS	REG	REGISTER,MULTIPORT,4X4 RW RAM	DIL24C	+15V	125	-	-	R054	RCA	HCC40208BD
CD40208BE	CMS	REG	REGISTER,MULTIPORT,4X4 RW RAM	DIL24P	+15V	85C	-	-	R054	RCA	HCF40208BD
CD40257BD	CMS	MUX	MUX/DATA SELECTOR,2-1 LN, QUAD	DIL16C	+15V	125	-	-	M027	RCA	HCC40257BD
CD40257BE	CMS	MUX	MUX/DATA SELECTOR,2-1 LN, QUAD	DIL16P	+15V	85C	-	-	M027	RCA	HCF40257BE
CM4000 SERIES	CMS	VAR	SOLITRON VRSN OF CD4000 SERIES	-	+10V	VAR	-	-	-	SOL	CD4000 SERIES
CM4000A SER.	CMS	VAR	SOLITRON VRSN OF CD4000A SER.	-	+10V	VAR	-	-	-	SOL	CD4000A SER.
CM4000AD SER.	CMS	VAR	CER DIL VRSN OF CM4000A. SERIES	DIL--C	+10V	VAR	-	-	-	SOL	CD4000AD SER.
CM4000AE SER.	CMS	VAR	PLAS DIL VRSN OF CM4000A SER.	-	+10V	85C	-	-	-	SOL	CD4000AE SER.
CM4000AF SER.	CMS	VAR	FLAT PACK VRSN OF CM4000A SER.	FLP---	+10V	VAR	-	-	-	SOL	CD4000MW SER.
CM4000B SER.	CMS	VAR	SOLITRON VRSN OF CD4000B SER.	-	+15V	VAR	-	-	-	SOL	CD4000B SER
CM4000BD	CMS	VAR	CER DIL VRSN OF CM4000B SER.	DIL--C	+15V	VAR	-	-	-	SOL	CD4000BD
CM4000BE SER.	CMS	VAR	PLAS DIL VRSN OF CM4000B SER.	DIL--P	+15V	85C	-	-	-	SOL	CD4000BE SER.
CM4000BF SER.	CMS	VAR	FLAT PACK VRSN OF CM4000B SER.	FLP---	+15V	VAR	-	-	-	SOL	4000BF SER.
CM4000D SER.	CMS	VAR	CER DIL VRSN OF CM4000 SERIES	DIL--C	+10V	125	-	-	-	SOL	CD4000AD SER.
CM4000E SER.	CMS	VAR	PLAS DIL VRSN OF CM4000 SERIES	DIL--P	+10V	75C	-	-	-	SOL	CD4000AE SER.
CM4000K SER.	CMS	VAR	FLAT PACK VRSN OF CM4000 SER.	FLP---	+10V	125	-	-	-	SOL	CD4000MW SER.
CM4000UB SER.	CMS	VAR	SOLITRON VRSN OF CD4000UB SER.	-	+15V	VAR	-	-	-	SOL	CD4000UB SER.
CM4000UBD SER	CMS	VAR	CER DIL VRSN OF CM4000UB SER.	DIL--C	+15V	VAR	-	-	-	SOL	CD4000UBD SER
CM4000UBE SER	CMS	VAR	PLAS DIL VRSN OF CM4000UB SER.	DIL--P	+15V	85C	-	-	-	SOL	CD4000UBE SER
CM4000UBF SER	CMS	VAR	FLAT PACK VRSN OF CM4000UB SER	-	-	125	-	-	-	SOL	4000UBF SER.
CS700 FAMILY	DTL	-	SIGNETICS OBS VERSN MC700 SER.	-	+5V	55C	-	-	-	SIG	900 SERIES
D100C SERIES	TTL	-	HOUSE CODES FOR SN7400J SERIES	DIL--C	-	70C	-	-	-	VEF	SN7400J SER.
D100D	TTL	-	HOUSE CODES FOR SN7400N SERIES	DIL--P	-	70C	-	-	-	VEF	SN7400N SER.
D200C SERIES	HTL	-	HOUSE CODES FOR SN74H00J SER.	DIL--C	-	70C	-	-	-	VEF	SN74H00J SER.
D900 SERIES	DTL	-	ELLIOTT AUTOM. OBS VRSN 900 S	-	+5V	125	-	-	-	ELL	900 SERIES
DH7800H	-	-	NOW RENUMBERED	-	-	-	-	-	-	NAT	DS7800H

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAK ER	SUBSTITUTE
DH7802J	-	-	NOW RENUMBERED	-	-	-	-	-	-	NAT	DS7802J
DH7806J	-	-	NOW RENUMBERED	-	-	-	-	-	-	NAT	DS7806J
DH7806W	-	-	NOW RENUMBERED	-	-	-	-	-	-	NAT	DS7806W
DH7810J	-	-	NOW RENUMBERED	-	-	-	-	-	-	NAT	DS7810J
DH8800H	-	-	NOW RENUMBERED	-	-	-	-	-	-	NAT	DS8800H
DH8802J	-	-	NOW RENUMBERED	-	-	-	-	-	-	NAT	DS8802J
DH8802N	-	-	NOW RENUMBERED	-	-	-	-	-	-	NAT	DS8802N
DH8806J	-	-	NOW RENUMBERED	-	-	-	-	-	-	NAT	DS8806J
DH8806N	-	-	NOW RENUMBERED	-	-	-	-	-	-	NAT	DS8806N
DH8810J	-	-	NOW RENUMBERED	-	-	-	-	-	-	NAT	DS8810J
DH8810N	-	-	NOW RENUMBERED	-	-	-	-	-	-	NAT	DS8810N
DM54C00 SER.	CMS	-	HOUSE CODES FOR MM54C00 SERIES	-	-	125	-	-	-	NAT	MM54C00 SER
DM54H00J SER	HTL	-	HOUSE CODES FOR SN54H00J SER.	DIL--C	-	125	-	-	-	NAT	SN54H00J SER
DM54H00N SER	HTL	-	DIP VERSIONS OF SN54H00 SERIES	DIL--P	-	125	-	-	-	NAT	-
DM54H00N	HTL	NAN	NAND, 2IP, QUAD	DIL14P	+5V	125	40MA	10MXNS	N001	NAT	-
DM54H01N	HTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	125	40MA	15MXNS	N001	NAT	SN54H01J
DM54H04N	HTL	INV	INVERTER, HEX	DIL14P	+5V	125	58MA	10MXNS	I001	NAT	SN54H04J
DM54H05N	HTL	INV	INVERTER, OC OP, HEX	DIL14P	+5V	125	58MA	18MXNS	I001	NAT	SN54H05J
DM54H08J	HTL	AND	AND, 2IP, QUAD	DIL14C	+5V	125	64MA	12MXNS	A001	NAT	54H08DM
DM54H08N	HTL	AND	AND, 2IP, QUAD	DIL14P	+5V	125	64MA	12MXNS	A001	NAT	54H08DM
SN54H10J	HTL	NAN	NAND, 3IP, TRIPLE	DIL14C	+5V	125	30MA	10MXNS	N004	TII	DM54H10J
DM54H10N	HTL	NAN	NAND, 3IP, TRIPLE	DIL14P	+5V	125	30MA	10MXNS	N004	NAT	SN54H10J
DM54H11N	HTL	AND	AND, 3IP, TRIPLE	DIL14P	+5V	125	48MA	12MXNS	A003	NAT	SN54H11J
DM54H20N	HTL	NAN	NAND, 4IP, DUAL	DIL14P	+5V	125	20MA	10MXNS	N008	NAT	SN54H20J
DM54H21N	HTL	AND	AND, 4IP, DUAL	DIL14P	+5V	125	32MA	12MXNS	A005	NAT	SN54H21J
DM54H30N	HTL	NAN	NAND, 8IP	DIL14P	+5V	125	10MA	12MXNS	N010	NAT	SN54H30J
DM54H40N	HTL	NAN	NAND, BUFFER, 4IP, DUAL	DIL14P	+5V	125	40MA	12MXNS	N008	NAT	SN54H40J
DM54H50N	HTL	AOI	AOI, 2IP(1EXPDBLE) 2WIDE, DUAL	DIL14P	+5V	125	24MA	11MXNS	Y001	NAT	SN54H50J
DM54H51N	HTL	AOI	AOI, 2IP, 2WIDE, DUAL	DIL14P	+5V	125	24MA	11MXNS	Y003	TII	SN54H51J
DM54H52N	HTL	AOR	AND/OR, 2-2-2-3IP, EXPANDABLE	DIL14P	+5V	125	31MA	15MXNS	Y006	NAT	SN54H52J
DM54H53N	HTL	AOI	AND/OR INVERT,2-2-2-3IP,EXPDBL	DIL14P	+5V	125	14MA	15MXNS	Y009	NAT	SN54H53J
DM54H54N	HTL	AOI	AND/OR INVERT,2-2-2-3IP	DIL14P	+5V	125	14MA	11MXNS	Y013	NAT	SN54H54J
DM54H55N	HTL	AOI	AND/OR INVERT,4IP 2WIDE,EXPDBL	DIL14P	+5V	125	11MA	20MXNS	Y017	NAT	SN54H55J
DM54H60N	HTL	EXP	EXPANDER, 4IP,OC,FOR AOI, DUAL	DIL14P	+5V	125	4.5MA	-	E001	NAT	SN54H60J
DM54H61N	HTL	EXP	EXPANDER,3IP,OC,FOR AOI,TRIPLE	DIL14P	+5V	125	16MA	-	E003	NAT	SN54H61J
DM54H62N	HTL	EXP	EXPANDER,2-2-3-3IP,OC,FOR AO	DIL14P	+5V	125	9MA	-	E005	NAT	SN54H62J
DM54H71N	HTL	FFJ	FF/JK, MSTR SLVE,AO GTD,S/R/CK	DIL14P	+5V	125	30MA	25MXMHZ	F003	NAT	SN54H71J
DM54H72N	HTL	FFJ	FF/JK,MASTER SLVE,A GTD,S/R/CK	DIL14P	+5V	125	25MA	25MXMHZ	F005	NAT	SN54H72J
DM54H73N	HTL	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	DIL14P	+5V	125	50MA	25MXMHZ	F007	NAT	SN54H73J
DM54H74N	HTL	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	DIL14P	+5V	125	42MA	35MXMHZ	F008	NAT	SN54H74J
DM54H76N	HTL	FFJ	FF/JK, M-S, SEP S/R/CK, DUAL	DIL16P	+5V	125	50MA	25MXMHZ	F010	NAT	SN54H76J
DM54H78N	HTL	FFJ	FF/JK,M-S,COMM R/CK,SEP S,DUAL	DIL14P	+5V	125	50MA	25MXMHZ	F011	NAT	SN54H78J
DM54H103N	HTL	FFJ	FF/JK, NEG ET,SEP R/CK, DUAL	DIL14P	+5V	125	76MA	40MXMHZ	F017	NAT	SN54H103J
DM54H106N	HTL	FFJ	FF/JK, NEG ET,SEP S/R/CK, DUAL	DIL16P	+5V	125	76MA	40MXMHZ	F018	NAT	SN54H106J
DM54H108N	HTL	FFJ	FF/JK, -ET,COM R/CK,SEP S,DUAL	DIL14P	+5V	125	76MA	40MXMHZ	F020	NAT	SN54H108J
DM54L00F SER.	LTL	-	HOUSE CODES FOR SN54L00J	DIL--C	-	125	-	-	-	NAT	SN54L00J SER
DM54L00J SER	LTL	-	HOUSE CODES FOR SN54L00J SER	-	-	125	-	-	-	NAT	SN54L00J SER
DM54L00N SER.	LTL	-	DIP VERSIONS OF SN54L00 SERIES	DIL--P	-	125	-	-	-	NAT	ZN54L00E SER
DM54L00N	LTL	NAN	NAND, 2IP, QUAD	DIL14P	+5V	125	2MA	60MXNS	N001	NAT	ZN54L00J
DM54L00W SER	LTL	-	HOUSE CODES FOR SN54L00W SER	FLP---	-	125	-	-	-	NAT	SN54L00W SER
DM54L01W	LTL	NAN	NAND, 2IP, OC OP, QUAD	FLP14	+5V	125	2MA	90MXNS	N002	NAT	-
DM54L02N	LTL	NOR	NOR 2IP, QUAD	DIL14P	+5V	125	2.6MA	60MXNS	Q001	NAT	
DM54L03N	LTL	NAN	NAND 2IP, OC OP, QUAD	DIL14P	+5V	125	2MA	90MXNS	N001	NAT	ZN54L03J
DM54L04N	LTL	INV	INVERTER, HEX	DIL14P	+5V	125	3MA	60MXNS	I001	NAT	ZN54L04J
DM54L05J	LTL	INV	INVERTER, OC OP, HEX	DIL14C	+5V	125	2MA	90MXNS	I001	NAT	ZN54L05J
DM54L05N	LTL	INV	INVERTER, OC OP, HEX	DIL14P	+5V	125	2MA	90MXNS	I001	NAT	ZN54L05J
DM54L05W	LTL	INV	INVERTER, OC OP, HEX	FLP14	+5V	125	2MA	90MXNS	I002	NAT	-
DM54L08J	LTL	AND	AND, 2IP, QUAD	DIL14C	+5V	125	3.3MA	90MXNS	A001	NAT	54LS08J
DM54L08N	LTL	AND	AND, 2IP, QUAD	DIL14P	+5V	125	3.3MA	90MXNS	A001	NAT	54LS08DM
DM54L08W	LTL	AND	AND, 2IP, QUAD	FLP14	+5V	125	3.3MA	90MXNS	A001	NAT	54LS08FM
DM54L09J	LTL	AND	AND, 2IP, OC OP, QUAD	DIL14C	+5V	125	3.3MA	110MXNS	A001	NAT	54LS09DM
DM54L09N	LTL	AND	AND, 2IP, OC OP, QUAD	DIL14P	+5V	125	3.3MA	110MXNS	A001	NAT	54LS09J
DM54L09W	LTL	AND	AND, 2IP, OC OP, QUAD	FLP14	+5V	125	3.3MA	110MXNS	A001	NAT	54LS09FM
DM54L10J	LTL	NAN	NAND, 3IP, TRIPLE	DIL14C	+5V	125	1.5MA	60MXNS	N004	TII	ZN54L10J
DM54L10N	LTL	NAN	NAND, 3IP, QUAD	DIL14P	+5V	125	1.5MA	60MXNS	N004	NAT	ZN54L10J
DM54L11J	LTL	AND	AND, 3IP, TRIPLE	DIL14C	+5V	125	2.2MA	90MXNS	A003	NAT	54LS11DM
DM54L11N	LTL	AND	AND, 3IP, TRIPLE	DIL14P	+5V	125	2.2MA	90MXNS	A003	NAT	54LS11DM
DM54L11W	LTL	AND	AND, 3IP, TRIPLE	FLP14	+5V	125	2.2MA	90MXNS	A003	NAT	54LS11FM
DM54L20N	LTL	NAN	NAND, 4IP, DUAL	DIL14P	+5V	125	1MA	60MXNS	N008	NAT	ZN54L20J
DM54L26J	LTL	NAN	NAND, 2IP, OC 15V OP, QUAD	DIL14C	+5V	125	22MA	90MXNS	N001	NAT	54LS26DM
DM54L26N	LTL	NAN	NAND, 2IP, OC 15V OP, QUAD	DIL14P	+5V	125	22MA	90MXNS	N001	NAT	54LS26DM
DM54L30N	LTL	NAN	NAND, 8IP	DIL14P	+5V	125	.51MA	100MXNS	N010	NAT	ZN54L30J
DM54L32J	LTL	ORG	OR, 2IP, QUAD	DIL14C	+5V	125	3.8MA	100MXNS	O001	NAT	54LS32DM
DM54L32N	LTL	ORG	OR, 2IP, QUAD	DIL14P	+5V	125	3.8MA	100MXNS	O001	NAT	54LS32DM
DM54L32W	LTL	ORG	OR, 2IP, QUAD	FLP14	+5V	125	3.8MA	100MXNS	O001	NAT	54LS32FM

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
DM54L42AJ	LTL	DCD	DECODER, BCD-DECIMAL,4-10 LINE	DIL16C	+5V	125	5.3MA	140MXNS	D001	NAT	54LS42ADM
DM54L42AN	LTL	DCD	DECODER, BCD-DECIMAL,4-10 LINE	DIL16P	+5V	125	5.3MA	140MXNS	D001	NAT	54LS42ADM
DM54L42AW	LTL	DCD	DECODER, BCD-DECIMAL,4-10 LINE	FLP16	+5V	125	5.3MA	140MXNS	D001	NAT	54LS42FM
DM54L51N	LTL	AOI	AOI, 2IP, 2WIDE, DUAL	DIL14P	+5V	125	1.3MA	90MXNS	Y004	NAT	ZN54L51J
DM54L54N	LTL	AOI	AND/OR INVERT,2-2-2-3IP	DIL14P	+5V	125	1MA	90MXNS	Y014	NAT	ZN54L54J
DM54L55N	LTL	AOI	AND/OR INVERT,4IP 2WIDE,EXPDBL	DIL14P	+5V	125	.65MA	90MXNS	Y018	NAT	ZN54L55J
DM54L71N	LTL	FFJ	FF/JK,MASTER SLVE, AGTD,S/R/CK	DIL14P	+5V	125	1.5MA	2.5MXMHZ	F005	NAT	DM54L71J
DM54L72N	LTL	FFJ	FF/JK,MASTER SLVE,A GTD,S/R/CK	DIL14P	+5V	125	1.5MA	2.5MXMHZ	F005	NAT	DM54L72N
DM54L73N	LTL	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	DIL14P	+5V	125	1 5MA	2.5MXMHZ	F007	NAT	ZN54L73J
DM54L74N	LTL	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	DIL14P	+5V	125	1.5MA	2.5MXMHZ	F008	NAT	ZN54L74J
DM54L75N	LTL	LCH	LATCH,FF/D,2BT,TRANSP,2OP,DUAL	DIL16P	+5V	125	23MA	80MXNS	L001	NAT	ZN54L75J
DM54L75AN	LTL	LCH	LATCH,FF/D,2BT,TRANSP,2OP,DUAL	DIL16P	+5V	125	5MA	120MXNS	L001	NAT	-
DM54L75AW	LTL	LCH	LATCH,FF/D,2BT,TRANSP,2OP,DUAL	FLP16	+5V	125	5MA	120MXNS	L001	NAT	-
DM54L78N	LTL	FFJ	FF/JK,M-S,COMM R/CK,SEP S,DUAL	DIL14P	+5V	125	1.5MA	2.5MXMHZ	F012	NAT	DM54L78J
DM54L85N	LTL	CMP	COMPARATOR, MAGNITUDE, 4 BIT	DIL16P	+5V	125	7.7MA	150MXNS	Z028	NAT	ZN54L85J
DM54L85W	LTL	CMP	COMPARATOR, MAGNITUDE, 4 BIT	FLP16	+5V	125	7.7MA	150MXNS	Z028	NAT	-
DM54L86N	LTL	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14P	+5V	125	6.7MA	150MXNS	X003	NAT	ZN54L86J
DM54L89AJ	LTL	MEM	RAM, 64=16X4 BIT, OC OP	DIL16C	+5V	125	19MA	165MXNS	S001	NAT	54LS89DM
DM54L89AN	LTL	MEM	RAM, 64=16X4 BIT, OC OP	DIL16P	+5V	125	19MA	165MXNS	S001	NAT	54LS89DM
DM54L89AW	LTL	MEM	RAM, 64=16X4 BIT, OC OP	FLP16	+5V	125	19MA	165MXNS	S001	NAT	54LS89FM
DM54L90N	LTL	CTR	COUNTER, DECADE,2X5 DIV,RIPPLE	DIL14P	+5V	125	7.2MA	3MXMHZ	C001	NAT	ZN54L90J
DM54L91N	LTL	SRG	SHIFT REG, 8BT,SISO,GATED IP	DIL14P	+5V	125	6.6MA	3MXMHZ	R001	NAT	ZN54L91J
DM54L93N	LTL	CTR	COUNTER,4BT BIN,2X8 DIV,RIPPLE	DIL14P	+5V	125	7.2MA	3MXMHZ	C003	NAT	ZN54L93J
DM54L95N	LTL	SRG	SHIFT REG,4BIT,L/R SHIFT, PIPO	DIL14P	+5V	125	9MA	3MXMHZ	R035	NAT	ZN54L95J
DM54L98N	LTL	SEL	DATA SELECTOR,STORAGE REG, 4BT	DIL16P	+5V	125	9MA	200MXNS	M016	NAT	-
DM54L98W	LTL	SEL	DATA SELECTOR,STORAGE REG, 4BT	FLP16	+5V	125	9MA	200MXNS	M016	NAT	-
DM54L123N	LTL	MON	MONOSTABLE,MULTI,RETRIG, DUAL	DIL16P	+5V	125	14MA	80MXNS	U003	NAT	SN54L123AJ
DM54L123W	LTL	MON	MONOSTABLE,MULTI,RETRIG, DUAL	FLP16	+5V	125	14MA	80MXNS	U003	NAT	DM54L123AW
DM54L154AJ	LTL	DCD	DECODER/DEMUX, 4-TO-16 LINE	DIL24C	+5V	125	6MA	150MXNS	D009	NAT	-
DM54L154AN	LTL	DCD	DECODER/DEMUX, 4-TO-16 LINE	DIL24P	+5V	125	6MA	150MXNS	D009	NAT	DM54L154AJ
DM54L154AW	LTL	DCD	DECODER/DEMUX, 4-TO-16 LINE	FLP24	+5V	125	6MA	150MXNS	D009	NAT	-
DM54L157AJ	LTL	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	DIL16C	+5V	125	4MA	140MXNS	M005	NAT	54LS157DM
DM54L157AN	LTL	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	DIL16P	+5V	125	4MA	140MXNS	M005	NAT	54LS157DM
DM54L157AW	LTL	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	FLP16	+5V	125	4MA	140MXNS	M005	NAT	54LS157FM
DM54L164AJ	LTL	SRG	SHIFT REGISTER, 8 BIT, SIPO	DIL14C	+5V	125	9MA	6MXMHZ	R006	NAT	54LS164DM
DM54L164AN	LTL	SRG	SHIFT REGISTER, 8 BIT, SIPO	DIL14P	+5V	125	9MA	6MXMHZ	R006	NAT	54LS164DM
DM54L164AW	LTL	SRG	SHIFT REGISTER, 8 BIT, SIPO	FLP14	+5V	125	9MA	6MXMHZ	R006	NAT	54LS164FM
DM54L165AJ	LTL	SRG	SHIFT REGISTER, 8 BIT, PISO	DIL16C	+5V	125	9 5MA	6MXMHZ	R007	NAT	-
DM54L165AN	LTL	SRG	SHIFT REGISTER, 8 BIT, PISO	DIL16P	+5V	125	9.5MA	6MXMHZ	R007	NAT	-
DM54L165AW	LTL	SRG	SHIFT REGISTER, 8 BIT, PISO	FLP16	+5V	125	9.5MA	6MXMHZ	R007	NAT	-
DM54L165J	LTL	SRG	SHIFT REGISTER, 8 BIT, PISO	DIL16C	+5V	125	-	-	R007	NAT	54LS165DM
DM54L165W	LTL	SRG	SHIFT REGISTER, 8 BIT, PISO	FLP16	+5V	125	-	-	R007	NAT	54LS165FM
DM54L187AJ	LTL	MEM	ROM,1K=256X4 BT,OC OP,MASKABLE	DIL16C	+5V	125	25MA	180MXNS	S006	NAT	-
DM54L187AN	LTL	MEM	ROM,1K=256X4 BT,OC OP,MASKABLE	DIL16P	+5V	125	25MA	180MXNS	S006	NAT	-
DM54L187AW	LTL	MEM	ROM,1K=256X4 BT,OC OP,MASKABLE	FLP16	+5V	125	25MA	180MXNS	S006	NAT	-
DM54L187J	LTL	MEM	ROM,1K=256X4 BT,OC OP,MASKABLE	DIL16C	+5V	125	-	-	S006	NAT	DM54L187AJ
DM54L187N	LTL	MEM	ROM,1K=256X4 BT,OC OP,MASKABLE	DIL16P	+5V	125	-	-	S006	NAT	DM54L187AN
DM54L187W	LTL	MEM	ROM,1K=256X4 BT,OC OP,MASKABLE	FLP16	+5V	125	-	-	S006	NAT	DM54L187AW
DM54L192N	LTL	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	DIL16P	+5V	125	15MA	3MXMHZ	C009	NAT	ZN54L192J
DM54L192W	LTL	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	FLP16	+5V	125	15MA	3MXMHZ	C009	NAT	54LS192FC
DM54L193N	LTL	CTR	COUNTER,HEX,UP/DWN,SYNC,2CK,3S	DIL16P	+5V	125	15MA	3MXMHZ	C009	NAT	ZN54L193J
DM54L193W	LTL	CTR	COUNTER,HEX,UP/DWN,SYNC,2CK,3S	FLP16	+5V	125	15MA	3MXMHZ	C009	NAT	54LS193FM
DM54LS00F SER	LST	-	HOUSE CODES FOR SN54LS00J SER.	DIL--C	-	125	-	-	-	NAT	SN54LS00J SER
DM54LS00J SER	LST	-	HOUSE CODES FOR SN54LS00J SER.	DIL--C	-	125	-	-	-	NAT	SN74LS00J SER
DM54LS00N SER	LST	-	DIP VERSIONS OF SN54LS00 SER.	DIL--P	-	125	-	-	-	NAT	-
DM54LS00W SER	LST	-	HOUSE CODES FOR SN54LS00W SER.	FLP---	-	125	-	-	-	NAT	SN54LS00W SER
DM54LS00N	LST	NAN	NAND, 2IP, QUAD	DIL14P	+5V	125	4.4MA	15MXNS	N001	NAT	
DM54LS01N	LST	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	125	4 4MA	32MXNS	N003	NAT	
DM54LS02N	LST	NOR	NOR, 2IP, QUAD	DIL14P	+5V	125	5.4MA	15MXNS	Q001	NAT	
DM54LS03N	LST	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	125	4.4MA	32MXNS	N001	NAT	54LS03DM
DM54LS04N	LST	INV	INVERTER, HEX	DIL14P	+5V	125	6.6MA	15MXNS	I001	NAT	54LS04DM
DM54LS05N	LST	INV	INVERTER, OC OP, HEX	DIL14P	+5V	125	6.6MA	32MXNS	I001	NAT	54LS05DM
DM54LS08N	LST	AND	AND, 2IP, QUAD	DIL14P	+5V	125	8.8MA	20MXNS	A001	NAT	54LS08DM
DM54LS09N	LST	AND	AND, 2IP, OC OP, QUAD	DIL14P	+5V	125	8.8MA	35MXNS	A001	NAT	54LS09DM
DM54LS10N	LST	NAN	NAND, 3IP, TRIPLE	DIL14P	+5V	125	3.3MA	15MXNS	N004	NAT	54LS10DM
DM54LS11N	LST	AND	AND, 3IP, TRIPLE	DIL14P	+5V	125	6.6MA	20MXNS	A003	NAT	54LS11DM
DM54LS12N	LST	NAN	NAND, 3IP, OC OP, TRIPLE	DIL14P	+5V	125	3.3MA	32MXNS	N004	NAT	S54LS12F
DM54LS13N	LST	NAN	NAND, 4IP, SCHMITT, DUAL	DIL14P	+5V	125	7MA	27MXNS	N007	NAT	54LS13DM
DM54LS14N	LST	SCH	INVERTER, SCHMITT, HEX	DIL14P	+5V	125	21MA	22MXNS	I004	NAT	54LS14DM
DM54LS15N	LST	AND	AND, 3IP, OC OP, TRIPLE	DIL14P	+5V	125	6.6MA	35MXNS	A003	NAT	54LS15DM
DM54LS20N	LST	NAN	NAND, 4IP, DUAL	DIL14P	+5V	125	2.2MA	15MXNS	N008	NAT	54LS20DM
DM54LS21N	LST	AND	AND, 4IP, DUAL	DIL14P	+5V	125	4.4MA	20MXNS	A005	NAT	54LS21DM
DM54LS22N	LST	NAN	NAND, 4IP, OC OP, DUAL	DIL14P	+5V	125	2.2MA	32MXNS	N008	NAT	54LS22DM
DM54LS26N	LST	NAN	NAND, 2IP, OC 15V OP, QUAD	DIL14P	+5V	125	4.4MA	32MXNS	N001	NAT	54LS26DM
DM54LS27N	LST	NOR	NOR, 3IP, TRIPLE	DIL14P	+5V	125	6.8MA	15MXNS	Q005	TII	54LS27DM

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
DM54LS30N	LST	NAN	NAND, 8IP	DIL14P	+5V	125	1.1MA	20MXNS	N010	NAT	54LS30DM
DM54LS32N	LST	ORG	OR, 2IP, QUAD	DIL14P	+5V	125	9.8MA	22MXNS	O001	NAT	54LS32DM
DM54LS37N	LST	NAN	NAND, BUFFER, 2IP, QUAD	DIL14P	+5V	125	12MA	24MXNS	N001	NAT	54LS37DM
DM54LS38N	LST	NAN	NAND, BUFFER, 2IP, OC OP, QUAD	DIL14P	+5V	125	12MA	32MXNS	N001	NAT	54LS38DM
DM54LS40N	LST	NAN	NAND BUFFER, 4IP, DUAL	DIL14P	+5V	125	6MA	24MXNS	N006	NAT	54LS40DM
DM54LS42N	LST	DCD	DECODER, BCD-DECIMAL,4-10 LINE	DIL16P	+5V	125	13MA	30MXNS	D001	NAT	54LS42DM
DM54LS47N	LST	DSP	DECODER/DRIVER,BCD-7SGT,OC 15V	DIL16P	+5V	125	13MA	100MXNS	D011	NAT	54LS47DM
DM54LS48N	LST	DSP	DECODER,BCD-7SGT,INTERN PULLUP	DIL16P	+5V	125	38MA	100MXNS	D011	NAT	54LS48DM
DM54LS49N	LST	DSP	DECODER,BCD-7SGT,OC, ACT HI	DIL16P	+5V	125	15MA	100MXNS	D004	NAT	54LS49DM
DM54LS51N	LST	AOI	AOI, 2IP, 2WIDE, DUAL	DIL14P	+5V	125	2.8MA	20MXNS	Y004	NAT	54LS51DM
DM54LS54N	LST	AOI	AND/OR INVERT,2-2-2-3IP	DIL14P	+5V	125	2MA	20MXNS	Y014	NAT	-
DM54LS55N	LST	AOI	AND/OR INVERT,4IP 2WIDE,EXPDBL	DIL14P	+5V	125	1.3MA	20MXNS	Y018	NAT	-
DM54LS73N	LST	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	DIL14P	+5V	125	8MA	30MXMHZ	F007	NAT	54LS73DM
DM54LS74N	LST	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	DIL14P	+5V	125	8MA	30MXMHZ	F008	NAT	54LS74DM
DM54LS75N	LST	LCH	LATCH,FF/D,2BT,TRANSP,2OP,DUAL	DIL16P	+5V	125	12MA	80MXNS	L001	NAT	S54LS75F
DM54LS76J	LST	FFJ	FF/JK, M-S, SEP S/R/CK, DUAL	DIL16C	+5V	125	8MA	30MXMHZ	F010	NAT	DM54LS76J
DM54LS76N	LST	FFJ	FF/JK, M-S, SEP S/R/CK, DUAL	DIL16P	+5V	125	8MA	30MXMHZ	F010	NAT	54LS76DM
DM54LS77J	LST	LCH	LATCH,FF/D,2BT,TRANSP,1OP,DUAL	DIL14C	+5V	125	12MA	80MXNS	L002	NAT	-
DM54LS77N	LST	LCH	LATCH,FF/D,2BT,TRANSP,1OP,DUAL	DIL14P	+5V	125	13MA	80MXNS	L002	NAT	-
DM54LS78N	LST	FFJ	FF/JK,M-S,COMM R/CK,SEP S,DUAL	DIL14P	+5V	125	8MA	30MXMHZ	F012	NAT	54LS78DM
DM54LS83AN	LST	ADD	ADDER,FULL,4BT BINARY,FST CRRY	DIL16P	+5V	125	34MA	24MXNS	Z004	NAT	54LS83ADM
DM54LS85N	LST	CMP	COMPARATOR, MAGNITUDE, 4 BIT	DIL16P	+5V	125	20MA	45MXNS	Z005	NAT	54LS85DM
DM54LS86N	LST	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14P	+5V	125	10MA	30MXNS	X001	NAT	54LS86DM
DM54LS90N	LST	CTR	COUNTER, DECADE,2X5 DIV,RIPPLE	DIL14P	+5V	125	15MA	16MXMHZ	C001	NAT	54LS90DM
DM54LS92N	LST	CTR	COUNTER, DUODECIMAL,2X6 DIVIDE	DIL14P	+5V	125	15MA	16MXMHZ	C002	NAT	54LS92DM
DM54LS93N	LST	CTR	COUNTER,4BT BIN,2X8 DIV,RIPPLE	DIL14P	+5V	125	15MA	16MXMHZ	C003	NAT	54LS93DM
DM54LS95BN	LST	SRG	SHIFT REG,4BIT,L/R SHIFT, PIPO	DIL14P	+5V	125	21MA	25MXMHZ	R004	NAT	54LS95BDM
DM54LS96N	LST	SRG	SHIFT REG, 5BT, 1SET,PISO/SIPO	DIL16P	+5V	125	20MA	55MXNS	R005	NAT	S54LS96F
DM54LS107N	LST	FFJ	FF/JK, M-S, SEP R/CK, DUAL	DIL14P	+5V	125	8MA	30MXMHZ	F018	NAT	DM54LS107J
DM54LS109J	LST	FFJ	FF/J(-K), +ET,SEP S/R/CK, DUAL	DIL16C	+5V	125	8MA	30MXMHZ	F021	NAT	54LS109DM
DM54LS109N	LST	FFJ	FF/J(-K), +ET,SEP S/R/CK, DUAL	DIL16P	+5V	125	8MA	30MXMHZ	F021	NAT	54LS109DM
DM54LS112N	LST	FFJ	FF/JK, NEG ET,SEP R/S/CK, DUAL	DIL16P	+5V	125	8MA	30MXMHZ	F022	NAT	54LS112DM
DM54LS113N	LST	FFJ	FF/JK,(-)ET,SEP S/CK,NO R,DUAL	DIL14P	+5V	125	8MA	30MXMHZ	F023	NAT	54LS113DM
DM54LS114N	LST	FFJ	FF/JK, -ET,COM R/CK,SEP S,DUAL	DIL14P	+5V	125	8MA	30MXMHZ	F024	NAT	54LS114DM
DM54LS122N	LST	MON	MONOSTABLE,MULTI,RETRIG,WITH R	DIL14P	+5V	125	11MA	56MXNS	U002	NAT	DM54LS122J
DM54LS123N	LST	MON	MONOSTABLE,MULTI,RETRIG, DUAL	DIL16P	+5V	125	20MA	56MXNS	U003	NAT	DM54LS123J
DM54LS124N	LST	VCO	VOLTAGE CONTROLLED OSC, DUAL	DIL16P	+5V	125	50MA	10MXMHZ	V001	NAT	-
DM54LS125J	LST	LND	LINE DRIVER, 3S OP,LO EN, QUAD	DIL14C	+5V	125	18MA	25MXNS	B002	NAT	S54LS125F
DM54LS125N	LST	LND	LINE DRIVER, 3S OP,LO EN, QUAD	DIL14P	+5V	125	18MA	25MXNS	B002	NAT	S54LS125F
DM54LS125W	LST	LND	LINE DRIVER, 3S OP,LO EN, QUAD	FLP14	+5V	125	18MA	25MXNS	B002	NAT	S54LS125W
DM54LS126N	LST	LND	LINE DRIVER, 3S OP,HI EN, QUAD	DIL14P	+5V	125	24MA	30MXNS	B003	NAT	S54LS126F
DM54LS132N	LST	SCH	NAND, 2IP,SCHMITT, QUAD	DIL14P	+5V	125	14MA	22MXNS	N001	NAT	S54LS132F
DM54LS136N	LST	XOR	EXCLUSIVE OR, OC OP, QUAD	DIL14P	+5V	125	99MA	15MXNS	X001	NAT	54LS136DM
DM54LS137N	LST	DCD	DECODER/DEMUX,3-8 LN,ADDR LTCH	DIL16P	+5V	125	18MA	38MXNS	D005	NAT	-
DM54LS138N	LST	DCD	DECODER/DEMUX,3-8 LN, NO LATCH	DIL16P	+5V	125	10MA	41MXNS	D006	NAT	74LS138DM
DM54LS139N	LST	DCD	DECODER/DEMUX,2-4 LINE, DUAL	DIL16P	+5V	125	11MA	38MXNS	D007	NAT	54LS139DM
DM54LS151N	LST	MUX	MUX/DATA SELECTOR, 8-TO-1 LINE	DIL16P	+5V	125	10MA	43MXNS	M002	NAT	54LS151DM
DM54LS153N	LST	MUX	MUX/DATA SELECTOR,4-1 LIN,DUAL	DIL16P	+5V	125	10MA	38MXNS	M004	NAT	54LS153DM
DM54LS154J	LST	DCD	DECODER/DEMUX, 4-TO-16 LINE	DIL24C	+5V	125	14MA	36MXNS	D009	NAT	S54LS154F
DM54LS154W	LST	DCD	DECODER/DEMUX, 4-TO-16 LINE	FLP24	+5V	125	14MA	36MXNS	D009	NAT	S54LS154W
DM54LS155N	LST	DCD	DECODER/DEMUX,2-TO-4 LINE,DUAL	DIL16P	+5V	125	10MA	30MXNS	D010	NAT	54LS155DM
DM54LS156N	LST	DCD	DECODER/DEMUX,2-4 LINE,OC,DUAL	DIL16P	+5V	125	10MA	51MXNS	D010	NAT	54LS156DM
DM54LS157N	LST	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	DIL16P	+5V	125	16MA	24MXNS	M005	NAT	54LS157DM
DM54LS158N	LST	MUX	MUX/DATA SELECTOR,INV OP 54157	DIL16P	+5V	125	8MA	24MXNS	M006	NAT	54LS158DM
DM54LS160N	LST	CTR	COUNTER,DEC,4 BIT, SYNC,DRCT R	DIL16P	+5V	125	32MA	25MXMHZ	C004	NAT	54LS160DM
DM54LS161N	LST	CTR	COUNTER, BIN,4 BIT,SYNC,DRCT R	DIL16P	+5V	125	32MA	25MXMHZ	C004	NAT	54LS161DM
DM54LS162N	LST	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	DIL16P	+5V	125	32MA	25MXMHZ	C005	NAT	54LS162DM
DM54LS163N	LST	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	DIL16P	+5V	125	32MA	25MXMHZ	C005	NAT	54LS163DM
DM54LS164N	LST	SRG	SHIFT REGISTER, 8 BIT, SIPO	DIL14P	+5V	125	27MA	25MXMHZ	R006	NAT	54LS164DM
DM54LS168N	LST	CTR	COUNTER,4 BT,DEC,UP/DOWN, SYNC	DIL16P	+5V	125	34MA	25MXMHZ	C006	NAT	54LS168DM
DM54LS169N	LST	CTR	COUNTER,UP/DOWN,4 BIT BIN,SYNC	DIL16P	+5V	125	34MA	25MXMHZ	C006	NAT	54LS196DM
DM54LS170N	LST	MEM	RAM, SIM READ/WRITE,4X4 BIT,OC	DIL16P	+5V	125	40MA	45MXNS	R009	NAT	54LS170DM
DM54LS173N	LST	FFD	FF/D,LATCH,BUFF REG,4 BT,3S OP	DIL16P	+5V	125	28MA	30MXMHZ	R010	NAT	54LS173DM
DM54LS174N	LST	FFD	FF/D, EDGE TRIG,COMM R/CK, HEX	DIL16P	+5V	125	26MA	30MXMHZ	F025	NAT	54LS174DM
DM54LS175N	LST	FFD	FF/D, ET,COM R/CK,COMP OP,QUAD	DIL16P	+5V	125	18MA	30MXMHZ	F026	NAT	54LS175DM
DM54LS190N	LST	CTR	COUNTER,DEC,UP/DWN,SYNC,PRESET	DIL16P	+5V	125	35MA	52MXNS	C008	NAT	54LS190DM
DM54LS191N	LST	CTR	COUNTER, 4 BT HEX, UP/DWN,SYNC	DIL16P	+5V	125	35MA	52MXNS	C008	NAT	54LS191DM
DM54LS193N	LST	CTR	COUNTER,HEX,UP/DWN,SYNC,2CK,3S	DIL16P	+5V	125	34MA	30MXMHZ	C009	NAT	54LS193DM
DM54LS194AN	LST	SRG	SHIFT REGISTER,4 BIT,L/R, PIPO	DIL16P	+5V	125	23MA	25MXMHZ	R013	NAT	54LS194ADM
DM54LS195AN	LST	SRG	SHIFT REGISTER,4 BIT, PIPO	DIL16P	+5V	125	21MA	30MXMHZ	R014	NAT	54LS195ADM
DM54LS196N	LST	CTR	COUNTER DEC,BCD/BIQUIN,RIPPLE	DIL14P	+5V	125	27MA	30MXMHZ	C010	NAT	SN54LS196J
DM54LS197N	LST	CTR	COUNTER,HEXADEC,4 BIT, RIPPLE	DIL14P	+5V	125	27MA	30MXMHZ	C010	NAT	SN54LS197J
DM54LS221N	LST	MON	MONOSTABLE MULTI,SCHMITT, DUAL	DIL16P	+5V	125	27MA	80MXNS	U003	NAT	S54LS221F
DM54LS251N	LST	SEL	MUX/DATA SELECTOR,8-1 LINE, 3S	DIL16P	+5V	125	12MA	55MXNS	M007	NAT	54LS251DM
DM54LS253N	LST	SEL	MUX/DATA SELECTR,4-1LN,3S,DUAL	DIL16P	+5V	125	14MA	45MXNS	M008	NAT	54LS253DM

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
DM54LS257N	LST	SEL	MUX/DATA SELECTR,2-ILN,3S,QUAD	DIL16P	+5V	125	19MA	30MXNS	M009	NAT	54LS257DM
DM54LS258N	LST	SEL	MUX/DATA SELECTR,INV-OP-54257	DIL16P	+5V	125	19MA	30MXNS	M010	NAT	54LS258DM
DM54LS266N	LST	XNR	EXCLUSIVE NOR,2 IP,OC OP, QUAD	DIL14P	+5V	125	13MA	30MXNS	X003	NAT	54LS266DM
DM54LS279N	LST	FFR	FF/RS, LATCH, QUAD	DIL16P	+5V	125	7MA	27MXNS	L005	NAT	54LS279DM
DM54LS283N	LST	ADD	ADDER,FULL,4 BT,BIN,FAST CARRY	DIL16P	+5V	125	39MA	24MXNS	Z013	NAT	54LS283DM
DM54LS295AN	LST	SRG	SHIFT REG,4 BIT,L/R,3S OP,PIPO	DIL14P	+5V	125	25MA	30MXMHZ	R018	NAT	-
DM54LS298N	LST	MUX	MUX,2 IP,LATCH.INV CLOCK, QUAD	DIL16P	+5V	125	21MA	32MXNS	R019	NAT	54LS298DM
DM54LS365N	LST	LND	LINE DRIVER, 3S NON INV OP,HEX	DIL16P	+5V	125	28MA	37MXNS	B007	NAT	SN54LS365J
DM54LS366N	LST	LND	LINE DRIVER, 3S INV OP, HEX	DIL16P	+5V	125	26MA	37MXNS	B008	NAT	SN54LS366J
DM54LS367N	LST	LND	LINE DRIVER, 3S,2 ENABLE, HEX	DIL16P	+5V	125	28MA	37MXNS	B014	TII	DM54LS367J
DM54LS368AN	LST	LND	LINE DRIVER, 3S,2 EN,INV, HEX	DIL16P	+5V	125	21MA	45MXNS	B009	NAT	54LS368ADM
DM54LS368N	LST	LND	LINE DRIVER, 3S,2 EN,INV, HEX	DIL16P	+5V	125	26MA	37MXNS	B009	TII	SN54LS368J
DM54LS374N	LST	FFD	FF/D, LO VOH 54364, OCTAL	DIL20P	+5V	125	40MA	35MXMHZ	F027	NAT	SN54LS374J
DM54LS386N	LST	XOR	EXCLUSIVE-OR, 2 IP, QUAD	DIL14P	+5V	125	10MA	30MXNS	X007	NAT	54LS386DM
DM54LS395N	LST	SRG	SHIFT REG, 4 BIT,3S OP, PIPO	DIL16P	+5V	125	29MA	25MXMHZ	R025	NAT	54LS395DM
DM54LS670N	LST	REG	REGISTER FILE,4X4 BIT, 3S OP	DIL16P	+5V	125	50MA	50MXNS	R029	NAT	SN54LS670J
DM54S00J SER	STL	-	HOUSE CODES FOR SN54S00J SER	DIL--C	-	125	-	-	-	NAT	SN54S00J SER.
DM54S00N SER	STL	-	DIP VERSIONS OF SN54S00 SERIES	DIL--P	-	125	-	-	-	NAT	-
DM54S00W SER	STL	-	HOUSE CODES FOR SN54S00W SER	FLP---	-	125	-	-	-	NAT	SN54S00W SER.
DM54S00N	STL	NAN	NAND, 2IP, QUAD	DIL14P	+5V	125	36MA	5MXNS	N001	NAT	54S00DM
DM54S136J	STL	XOR	EXCLUSIVE OR, OC OP, QUAD	DIL14C	+5V	125	75MA	12.5MXNS	X001	NAT	-
DM54S200J	STL	MEM	RAM, 256=256X1 BT, 3S OP	DIL16C	+5V	125	130MA	70MXNS	S009	NAT	SN54S200AJ
DM54S200W	STL	MEM	RAM, 256=256X1 BT, 3S OP	FLP16	+5V	125	130MA	70MXNS	S009	NAT	SN54S200AW
DM54S206J	STL	MEM	RAM, 256=256X1 BIT, OC OP	DIL16C	+5V	125	130MA	70MXNS	S009	NAT	-
DM54S206N	STL	MEM	RAM, 256=256X1 BIT, OC OP	DIL16P	+5V	125	130MA	70MXNS	S009	NAT	-
DM54S206W	STL	MEM	RAM, 256=256X1 BIT, OC OP	FLP16	+5V	125	130MA	70MXNS	S009	NAT	-
DM54S242J	STL	TRX	TRANSCVR,BUS,BIDIR,INV,3S,QUAD	DIL14C	+5V	125	-	-	T001	NAT	-
DM54S243J	STL	TRX	TRANSCEIVER,BUS,NONINV,3S,QUAD	DIL14C	+5V	125	-	-	T002	NAT	-
DM54S244J	STL	LND	LINE DRIVER,3S OP,LO EN, OCTAL	DIL20C	+5V	125	-	-	B006	NAT	-
DM54S574J	STL	MEM	PROM,4K=1024X4 BIT, OC OP	DIL18C	+5V	125	140MA	75MXNS	Z999	NAT	-
DM54S940J	STL	BUF	BUFFER, OCTAL	DIL20C	+5V	125	-	-	-	NAT	-
DM54S941J	STL	BUF	BUFFER,3S, OCTAL	DIL20C	+5V	125	-	-	B026	NAT	-
DM64LS00 SER	LST	-	HOUSE CODES FOR SN64LS00 SER	-	-	85C	-	-	-	NAT	SN64LS00 SER.
DM70L00 SER	LTL	VAR	LO POWER VRSN OF DM7000 SERIES	-	+5V	125	-	-	-	NAT	-
		1ST	SUFFIX: J=DIC, W=FLP								
DM70LS00 SER	LST	VAR	LO PWR SCHOTTKY VRSN DM7000 SR	-	+5V	125	-	-	-	NAT	-
DM70LS00 SER	-	1ST	SUFFIX: J=DIC, W=FLP								
DM71L00 SER	LTL	VAR	LO POWER VRSN OF DM7100 SERIES	-	+5V	125	-	-	-	NAT	-
		1ST	SUFFIX: J=DIC, W=FLP				-				
DM71LS00 SER	LST	VAR	LO PWR SCHOTTKY VRSN DM7100 SR	-	+5V	125	-	-	-	NAT	-
		1ST	SUFFIX. J=DIC, W=FLP								
DM74C00 SER.	CMS	-	HOUSE CODES FOR MM74C00 SERIES	-	-	70C	-	-	-	NAT	MM74C00 SER.
DM74H00J SER	HTL	-	HOUSE CODES FOR SN7H00J SER	DIL--C	-	70C	-	-	-	NAT	SN74H00J SER
DM74H00N SER	HTL	-	HOUSE CODES FOR SN74H00N SER	DIL--P	-	70C	-	-	-	NAT	SN74H00N SER
DM74H08J	HTL	AND	AND, 2IP, QUAD	DIL14C	+5V	70C	64MA	12MXNS	A001	TII	74H08DC
DM74H08N	HTL	AND	AND, 2IP, QUAD	DIL14P	+5V	70C	64MA	12MXNS	A001	NAT	74H08PC
DM74H72J	HTL	FFJ	FF/JK,MASTER SLVE,A GTD,S/R/CK	DIL14C	+5V	70C	25MA	25MXMHZ	F005	NAT	74H72DC
DM74L00D SER	LTL	-	HOUSE CODES FOR SN74L00J SER	DIL--C	+5V	75C	-	-	-	PHN	SN74L00J SER.
DM74L00F SER	LTL	-	HOUSE CODES FOR SN74L00J SER	DIL--C	-	75C	-	-	-	NAT	SN74L00J SER.
DM74L00J SER	LTL	-	HOUSE CODES FOR SN74L00J SER	DIL--C	-	70C	-	-	-	NAT	SN74L00J SER.
DM74L00N SER	LTL	-	HOUSE CODES FOR SN74L00N SER	-	-	75C	-	-	-	NAT	SN74L00N SER.
DM74L00W SER	LTL	-	HOUSE CODES FOR SN74L00W SER	FLP---	-	70C	-	-	-	NAT	SN74L00W SER.
DM74L00W	LTL	NAN	NAND, 2IP, QUAD	FLP14	+5V	70C	2MA	60MXNS	N002	NAT	-
DM74L01W	LTL	NAN	NAND, 2IP, OC OP, QUAD	FLP14	+5V	70C	2MA	90MXNS	N002	NAT	-
DM74L04W	LTL	INV	INVERTER, HEX	FLP14	+5V	70C	3MA	60MXNS	I002	NAT	-
DM74L05J	LTL	INV	INVERTER, OC OP, HEX	DIL14C	+5V	70C	2MA	90MXNS	I001	NAT	74LS05DC
DM74L05N	LTL	INV	INVERTER, OC OP, HEX	DIL14P	+5V	70C	2MA	90MXNS	I001	NAT	74LS05PC
DM74L08J	LTL	AND	AND, 2IP, QUAD	DIL14C	+5V	70C	3.3MA	90MXNS	A001	NAT	74LS08DC
DM74L08N	LTL	AND	AND, 2IP, QUAD	DIL14P	+5V	70C	3.3MA	90MXNS	A001	NAT	74LS08PC
DM74L08W	LTL	AND	AND, 2IP, QUAD	FLP14	+5V	70C	3.3MA	90MXNS	A001	NAT	74LS08FC
DM74L09J	LTL	AND	AND, 2IP, OC OP, QUAD	DIL14C	+5V	70C	3.3MA	110MXNS	A001	NAT	74LS09DC
DM74L09N	LTL	AND	AND, 2IP, OC OP, QUAD	DIL14P	+5V	70C	3.3MA	110MXNS	A001	NAT	74LS09PC
DM74L09W	LTL	AND	AND, 2IP, OC OP, QUAD	FLP14	+5V	70C	3.3MA	110MXNS	A001	NAT	74LS09FC
DM74L10W	LTL	NAN	NAND, 3IP, TRIPLE	FLP14	+5V	70C	1.5MA	60MXNS	N005	NAT	-
DM74L11J	LTL	AND	AND, 3IP, TRIPLE	DIL14C	+5V	70C	2.2MA	90MXNS	A003	NAT	74LS11DC
DM74L11N	LTL	AND	AND, 3IP, TRIPLE	DIL14P	+5V	70C	2.2MA	90MXNS	A003	NAT	74LS11PC
DM74L11W	LTL	AND	AND, 3IP, TRIPLE	FLP14	+5V	70C	2.2MA	90MXNS	A003	NAT	74LS11FC
DM74L20W	LTL	NAN	NAND, 4IP, DUAL	FLP14	+5V	70C	1MA	60MXNS	N009	NAT	-
DM74L26J	LTL	NAN	NAND, 2IP, OC 15V OP, QUAD	DIL14C	+5V	70C	22MA	90MXNS	N001	NAT	74LS26DC
DM74L26N	LTL	NAN	NAND, 2IP, OC 15V OP, QUAD	DIL14P	+5V	70C	22MA	90MXNS	N001	NAT	74LS26PC
DM74L30W	LTL	NAN	NAND, 8IP	FLP14	+5V	70C	51MA	100MXNS	N011	NAT	-
DM74L32J	LTL	ORG	OR, 2IP, QUAD	DIL14C	+5V	70C	3.8MA	100MXNS	O001	NAT	74LS32DC
DM74L32N	LTL	ORG	OR, 2IP, QUAD	DIL14P	+5V	70C	3.8MA	100MXNS	O001	NAT	74LS32PC
DM74L32W	LTL	ORG	OR, 2IP, QUAD	FLP14	+5V	70C	3.8MA	100MXNS	O001	NAT	74LS32FC
DM74L42AJ	LTL	DCD	DECODER, BCD-DECIMAL,4-10 LINE	DIL16C	+5V	70C	5.3MA	140MXNS	D001	NAT	74LS42DC

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
DM74L42AN	LTL	DCD	DECODER, BCD-DECIMAL,4-10 LINE	DIL16P	+5V	70C	5.3MA	140MXNS	D001	NAT	74LS42PC
DM74L42AW	LTL	DCD	DECODER, BCD-DECIMAL,4-10 LINE	FLP16	+5V	70C	5.3MA	140MXNS	D001	NAT	74LS42FC
DM74L51W	LTL	AOI	AOI, 2IP, 2WIDE, DUAL	FLP14	+5V	70C	1.3MA	90MXNS	Y023	NAT	-
DM74L54W	LTL	AOI	AND/OR INVERT,2-2-2-3IP	FLP14	+5V	70C	1MA	90MXNS	Y024	NAT	-
DM74L55W	LTL	AOI	AND/OR INVERT,4IP 2WIDE,EXPDBL	FLP14	+5V	70C	.65MA	90MXNS	Y019	NAT	-
DM74L71W	LTL	FFJ	FF/JK, MSTR SLVE,AO GTD,S/R/CK	FLP14	+5V	70C	1.5MA	2.5MXMHZ	F006	NAT	-
DM74L72W	LTL	FFJ	FF/JK,MASTER SLVE,A GTD,S/R/CK	FLP14	+5V	70C	1.5MA	2.5MXMHZ	F006	NAT	-
DM74L73W	LTL	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	FLP14	+5V	70C	1.5MA	2.5MXMHZ	F007	NAT	-
DM74L74AJ	LTL	FFD	FF/D, +EDG TRG,SEP S/R/CK.DUAL	DIL14C	+5V	70C	-	-	F008	NAT	-
DM74L74AN	LTL	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	DIL14P	+5V	70C	-	-	F008	NAT	-
DM74L74AW	LTL	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	FLP14	+5V	70C	-	-	F009	NAT	-
DM74L74W	LTL	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	FLP14	+5V	70C	1.5MA	2.5MXMHZ	F009	NAT	-
DM74L75AN	LTL	LCH	LATCH,FF/D,2BT,TRANSP,2OP,DUAL	DIL16P	+5V	70C	5MA	120MXNS	L001	NAT	-
DM74L75AW	LTL	LCH	LATCH,FF/D,2BT,TRANSP,2OP,DUAL	FLP16	+5V	70C	5MA	120MXNS	L001	NAT	-
DM74L75W	LTL	LCH	LATCH,FF/D,2BT,TRANSP,2OP,DUAL	FLP16	+5V	70C	27MA	80MXNS	L001	NAT	DM74L75AW
DM74L78W	LTL	FFJ	FF/JK,M-S,COMM R/CK,SEP S,DUAL	FLP14	+5V	70C	1.5MA	2.5MXMHZ	F012	NAT	74LS78FC
DM74L85W	LTL	CMP	COMPARATOR, MAGNITUDE, 4 BIT	FLP16	+5V	70C	7.7MA	150MXNS	Z005	NAT	74LS85FC
DM74L86W	LTL	XOR	EXCLUSIVE OR, 2IP, QUAD	FLP14	+5V	70C	6.7MA	150MXNS	X001	NAT	74LS86FC
DM74L89AJ	LTL	MEM	RAM, 64=16X4 BIT, OC OP	DIL16C	+5V	70C	19MA	165MXNS	S001	NAT	74LS89DC
DM74L89AN	LTL	MEM	RAM, 64=16X4 BIT, OC OP	DIL16P	+5V	70C	19MA	165MXNS	S001	NAT	74LS89PC
DM74L89AW	LTL	MEM	RAM, 64=16X4 BIT, OC OP	FLP16	+5V	70C	19MA	165MXNS	S001	NAT	74LS89FC
DM74L90W	LTL	CTR	COUNTER, DECADE,2X5 DIV,RIPPLE	FLP14	+5V	70C	6.6MA	3MXMHZ	C001	NAT	74L90FC
DM74L91W	LTL	SRG	SHIFT REG, 8BT,SISO,GATED IP	FLP14	+5V	70C	6.6MA	3MXMHZ	R002	NAT	-
DM74L93W	LTL	CTR	COUNTER,4BT BIN,2X8 DIV,RIPPLE	FLP14	+5V	70C	6.6MA	3MXMHZ	C020	NAT	-
DM74L95W	LTL	SRG	SHIFT REG,4BIT,L/R SHIFT, PIPO	FLP14	+5V	70C	9MA	3MXMHZ	R035	NAT	-
DM74L98W	LTL	SEL	DATA SELECTOR,STORAGE REG, 4BT	FLP16	+5V	70C	9MA	200MXNS	M016	NAT	-
DM74L122W	LTL	MON	MONOSTABLE,MULTI,RETRIG,WITH R	FLP14	+5V	70C	33MA	80MXNS	U002	NAT	-
DM74L123AJ	LTL	MON	MONOSTABLE,MULTI,RETRIG, DUAL	DIL16C	+5V	70C	7.5MA	180MXNS	U003	NAT	SN74L123J
DM74L123AN	LTL	MON	MONOSTABLE,MULTI,RETRIG, DUAL	DIL16P	+5V	70C	7.5MA	180MXNS	U003	NAT	SN74L123N
DM74L123AW	LTL	MON	MONOSTABLE,MULTI,RETRIG, DUAL	FLP16	+5V	70C	7.5MA	180MXNS	U003	NAT	-
DM74L123W	LTL	MON	MONOSTABLE,MULTI,RETRIG, DUAL	FLP16	+5V	70C	33MA	80MXNS	U003	NAT	-
DM74L154AJ	LTL	DCD	DECODER/DEMUX, 4-TO-16 LINE	DIL24C	+5V	70C	6MA	150MXNS	D009	NAT	SN74L154J
DM74L154AN	LTL	DCD	DECODER/DEMUX, 4-TO-16 LINE	DIL24P	+5V	70C	6MA	150MXNS	D009	NAT	SN74L154N
DM74L154AW	LTL	DCD	DECODER/DEMUX, 4-TO-16 LINE	FLP24	+5V	70C	6MA	150MXNS	D009	NAT	-
DM74L157AJ	LTL	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	DIL16C	+5V	70C	4MA	140MXNS	M005	NAT	SN74L157J
DM74L157AN	LTL	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	DIL16P	+5V	70C	4MA	140MXNS	M005	NAT	SN74L157N
DM74L157AW	LTL	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	FLP16	+5V	70C	4MA	140MXNS	M005	NAT	-
DM74L164AJ	LTL	SRG	SHIFT REGISTER, 8 BIT, SIPO	DIL14C	+5V	70C	9MA	6MXMHZ	R006	NAT	-
DM74L164AN	LTL	SRG	SHIFT REGISTER, 8 BIT, SIPO	DIL14P	+5V	70C	9MA	6MXMHZ	R006	NAT	-
DM74L164AW	LTL	SRG	SHIFT REGISTER, 8 BIT, SIPO	FLP14	+5V	70C	9MA	6MXMHZ	R006	NAT	-
DM74L164W	LTL	SRG	SHIFT REGISTER, 8 BIT, SIPO	FLP14	+5V	70C	27MA	12MXMHZ	R006	NAT	SN74L164J
DM74L165AJ	LTL	SRG	SHIFT REGISTER, 8 BIT, PISO	DIL16C	+5V	70C	9.5MA	6MXMHZ	R007	NAT	-
DM74L165AN	LTL	SRG	SHIFT REGISTER, 8 BIT, PISO	DIL16P	+5V	70C	9.5MA	6MXMHZ	R007	NAT	-
DM74L165AW	LTL	SRG	SHIFT REGISTER, 8 BIT, PISO	FLP16	+5V	70C	9.5MA	6MXMHZ	R007	NAT	-
DM74L165J	LTL	SRG	SHIFT REGISTER, 8 BIT, PISO	DIL16C	+5V	70C	9.5MA	6MXMHZ	R007	NAT	DM74L165AJ
DM74L165N	LTL	SRG	SHIFT REGISTER. 8 BIT, PISO	DIL16P	+5V	70C	9.5MA	6MXMHZ	R007	NAT	DM74L165AN
DM74L165W	LTL	SRG	SHIFT REGISTER, 8 BIT, PISO	FLP16	+5V	70C	9.5MA	6MXMHZ	R007	NAT	-
DM74L187AJ	LTL	MEM	ROM,1K=256X4 BT,OC OP,MASKABLE	DIL16C	+5V	70C	25MA	180MXNS	S006	NAT	-
DM74L187AN	LTL	MEM	ROM,1K=256X4 BT,OC OP,MASKABLE	DIL16P	+5V	70C	25MA	180MXNS	S006	NAT	-
DM74L187AW	LTL	MEM	ROM,1K=256X4 BT.OC OP,MASKABLE	FLP16	+5V	70C	25MA	180MXNS	S006	NAT	-
DM74L187J	LTL	MEM	ROM,1K=256X4 BT,OC OP,MASKABLE	DIL16C	+5V	70C	25MA	180MXNS	S006	NAT	DM74L187AJ
DM74L187N	LTL	MEM	ROM,1K=256X4 BT,OC OP,MASKABLE	DIL16P	+5V	70C	25MA	180MXNS	S006	NAT	DM74L187AN
DM74L187W	LTL	MEM	ROM,1K=256X4 BT,OC OP,MASKABLE	FLP16	+5V	70C	28MA	180MXNS	S006	NAT	DM74L187AW
DM74L192W	LTL	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	FLP16	+5V	70C	15MA	3MXMHZ	C009	NAT	DM74L192W
DM74L193W	LTL	CTR	COUNTER,HEX,UP/DWN,SYNC,2CK,3S	FLP16	+5V	70C	15MA	3MXMHZ	C009	NAT	DM74L193W
DM74LS00F SER	LST	-	HOUSE CODES FOR SN74LS00W SER.	FLP---	-	70C	-	-	-	NAT	SN74LS00W SER
DM74LS00J SER	LST	-	HOUSE CODES FOR SN74LS00J	DIL--C	-	70C	-	-	-	NAT	SN74LS00J SER
DM74LS00N SER	LST	-	HOUSE CODES FOR SN74LS00N SER.	DIL--P	-	70C	-	-	-	NAT	SN74LS00N SER
DM74LS00W SER	LST	-	HOUSE CODES FOR SN74LS00W SER.	FLP---	-	70C	-	-	-	NAT	SN74LS00W SER
DM74LS13N	LST	NAN	NAND, 4IP, SCHMITT, DUAL	DIL14P	+5V	70C	7MA	27MXNS	N007	NAT	N74LS13N
DM74LS96W	LST	SRG	SHIFT REG. 5BT,1 SET,PISO/SIPO	FLP16	+5V	70C	20MA	55MXNS	R005	NAT	S54LS96W
DM74LS109J	LST	FFJ	FF/J(-K), +ET,SEP S/R/CK, DUAL	DIL16C	+5V	70C	8MA	30MXMHZ	F021	NAT	74LS109DC
DM74LS109N	LST	FFJ	FF/J(-K), +ET,SEP S/R/CK, DUAL	DIL16P	+5V	70C	8MA	30MXMHZ	F021	NAT	74LS107PC
DM74LS135J	LST	XOR	EXCLUSIVE OR/NOR, +UAD	DIL16C	+5V	70C	99MA	13.5MXNS	X002	NAT	-
DM74LS135N	LST	XOR	EXCLUSIVE OR/NOR, QUAD	DIL16P	+5V	70C	99MA	13.5MXNS	X002	NAT	-
DM74LS135W	LST	XOR	EXCLUSIVE OR/NOR, QUAD	FLP16	+5V	70C	99MA	13.5MXNS	X002	NAT	-
DM74LS365W	LST	LND	LINE DRIVER, 3S NON INV OP,HEX	FLP16	+5V	70C	28MA	37MXNS	B007	NAT	-
DM74LS366W	LST	LND	LINE DRIVER, 3S INV OP, HEX	FLP16	+5V	70C	26MA	37MXNS	B008	NAT	74LS366AFC
DM74LS367W	LST	LND	LINE DRIVER, 3S,2 ENABLE, HEX	FLP16	+5V	70C	28MA	37MXNS	B014	NAT	S54LS367AW
DM74LS368W	LST	LND	LINE DRIVER, 3S,2 EN,INV, HEX	FLP16	+5V	70C	26MA	37MXNS	B009	NAT	74LS368AFC
DM74S00J SER.	STL	-	HOUSE CODES FOR SN74S00J SER	DIL--C	-	70C	-	-	-	NAT	SN74S00J SER.
DM74S00N SER.	STL	-	HOUSE CODES FOR SN74S00N SER.	DIL--P	-	75C	-	-	-	NAT	SN74S00N SER
DM74S00W SER.	STL	-	HOUSE CODES FOR SN74S00W SER.	FLP---	-	70C	-	-	-	NAT	SN74S00W SER.
DM74S136J	STL	XON	EXCLUSIVE OR, OC OP, QUAD	DIL14C	+5V	70C	75MA	12.5MXNS	X001	NAT	-
DM74S136N	STL	XOR	EXCLUSIVE OR, OC OP, QUAD	DIL14P	+5V	70C	75MA	12.5MXNS	X001	NAT	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
DM74S200J	STL	MEM	RAM, 256=256X1 BT. 3S OP	DIL16C	+5V	70C	130MA	50MXNS	S009	NAT	-
DM74S200N	STL	MEM	RAM, 256=256X1 BT, 3S OP	DIL16P	+5V	70C	130MA	50MXNS	S009	NAT	-
DM74S200W	STL	MEM	RAM, 256=256X1 BT, 3S OP	FLP16	+5V	70C	130MA	50MXNS	S009	NAT	-
DM74S206J	STL	MEM	RAM, 256=256X1 BIT, OC OP	DIL16C	+5V	70C	130MA	50MXNS	S009	NAT	-
DM74S206N	STL	MEM	RAM, 256=256X1 BIT, OC OP	DIL16P	+5V	70C	130MA	50MXNS	S009	NAT	-
DM74S206W	STL	MEM	RAM, 256=256X1 BIT, OC OP	FLP16	+5V	70C	130MA	50MXNS	S009	NAT	-
DM74S242J	STL	TRX	TRANSCVR,BUS,BIDIR,INV,3S,QUAD	DIL14C	+5V	70C	-	-	T001	NAT	-
DM74S242N	STL	TRX	TRANSCVR,BUS,BIDIR,INV,3S,QUAD	DIL14P	+5V	70C	-	-	T001	NAT	-
DM74S243J	STL	TRX	TRANSCEIVER,BUS,NONINV,3S,QUAD	DIL14C	+5V	70C	-	-	T002	NAT	-
DM74S243N	STL	TRX	TRANSCEIVER,BUS,NONINV,3S,QUAD	DIL14P	+5V	70C	-	-	T002	NAT	-
DM74S570N	STL	MEM	PROM,2K=512X4 BIT,OC OP	DIL16P	+5V	70C	130MA	55MXNS	Z999	NAT	-
DM74S571N	STL	MEM	PROM,2K=512X4 BIT,3S OP	DIL16P	+5V	70C	130MA	55MXNS	Z999	NAT	-
DM74S572N	STL	MEM	PROM,4K=1024X4 BIT, OC OP	DIL18P	+5V	70C	140MA	60MXNS	Z999	NAT	-
DM74S573N	STL	MEM	PROM,4K=1024X4 BIT, 3S OP	DIL18P	+5V	70C	140MA	60MXNS	Z999	NAT	-
DM74S574N	STL	MEM	PROM,4K=1024X4 BIT, OC OP	DIL18P	+5V	70C	140MA	60MXNS	Z999	NAT	-
DM74S940J	STL	BUF	BUFFER, OCTAL 3S OP	DIL20C	+5V	70C	-	-	Z999	NAT	-
DM74S940N	STL	BUF	BUFFER, OCTAL 3S OP	DIL20P	+5V	70C	-	-	Z999	NAT	-
DM74S941J	STL	BUF	BUFFER,3S, OCTAL	DIL20C	+5V	70C	-	-	B026	NAT	-
DM74S941N	STL	BUF	BUFFER,3S, OCTAL	DIL20P	+5V	70C	-	-	B026	NAT	-
DM75L00 SER.	LTL	VAR	LO POWER VRSN OF DM7500 SERIES	-	+5V	125	-	-	-	NAT	-
DM75LS00 SER	LST	1ST VAR	SUFFIX. J=DIC, W=FLP LO PWR SCHOTTKY VRSN DM7500 SR	-	+5V	125	-	-	-	NAT	-
DM75S00 SER.	STL	1ST VAR	SUFFIX: J=DIC, W=FLP SCHOTTKY TTL VRSN OF DM7500 SR	-	+5V	125	-	-	-	NAT	-
		1ST	SUFFIX: J=DIC, W=FLP								
DM76L00 SER.	LTL	VAR	LO POWER VRSN OF DM7600 SERIES	-	+5V	125	-	-	-	NAT	-
DM76LS00 SER	LST	VAR	LO PWR SCHOTTKY VRSN DM7600 SR	-	+5V	125	-	-	-	NAT	-
DM76S00 SER.	STL	VAR	SCHOTTKY TTL VRSN OF DM7600 SR	-	+5V	125	-	-	-	NAT	-
DM77S00 SER.	STL	VAR	SCHOTTKY TTL VRSN OF DM7700 SR	-	+5V	125	-	-	-	NAT	-
DM80L00 SER.	LTL	VAR	LO POWER VRSN OF DM8000 SERIES	-	+5V	70C	-	-	-	NAT	-
		1ST	SUFFIX. J=DIC, N=DIP, W=FLP	-	+5V	70C		-	-	NAT	-
DM80LS00 SER.	LST	VAR	LO PWR SCHOTTKY VRSN DM8000 SR	-	+5V	70C	-	-	-	NAT	-
DM80LS00 SER.	-	1ST	SUFFIX: J=DIC, N=DIP, W=FLP								
DM81L00 SER	LTL	VAR	LO POWER VRSN OF DM8100 SERIES	-	+5V	70C	-	-	-	NAT	-
		1ST	SUFFIX: J=DIC, N=DIP, W=FLP								
DM81LS00 SER	LST	VAR	LO PWR SCHOTTKY VRSN DM8100 SR	-	+5V	70C	-	-	-	NAT	-
		1ST	SUFFIX: J=DIC, N=DIP, W=FLP				-				
DM85L00 SER.	LTL	-	70C COMMERCIAL VRSN DM75L00 SR	-	+5V	70C	-	-	-	NAT	-
DM85LS00 SER.	LST	-	70C COMMERCIAL VRSN DM75LS00 S	-	+5V	70C	-	-	-	NAT	-
DM85S00 SER.	STL	-	70C COMMERCIAL VRSN DM75S00 SR	-	+5V	70C	-	-	-	NAT	-
DM86L00 SER	LTL	VAR	70C COMMERCIAL VRSN DM76L00 SR	-	+5V	70C	-	-	-	NAT	-
DM86LS00 SER	LST	VAR	70C COMMERCIAL VRSN DM76LS00 S	-	+5V	70C	-	-	-	NAT	-
DM86S00 SER.	STL	VAR	70C COMMERCIAL VRSN DM76S00 SR	-	+5V	70C	-	-	-	NAT	-
DM87S00 SER.	STL	VAR	70C COMMERCIAL VRSN DM77S00 SR	-	+5V	70C	-	-	-	NAT	-
DM88L12J	-	-	NOW RENUMBERED	-	-	-	-	-	-	NAT	DS88L12J
DM88L12N	-	-	NOW RENUMBERED	-	-	-	-	-	-	NAT	DS88L12N
DM930 SERIES	DTL	-	NATIONAL SEMI OBS VRSN 930 SER	-	+5V	125	-	-	-	NAT	930 SERIES
DM1800 SERIES	DTL	-	NATIONAL SEMI OBS VRSN 1800 SR	-	+5V	75C	-	-	-	NAT	1800 SERIES
DM1900 SERIES	DTL	-	NATIONAL SEMI OBS VRSN 1900 SR	-	+5V	125	-	-	-	NAT	1800 SERIES
DM2500 SERIES	TTL	VAR	NATIONAL VERSN OF AM250Q SER.	-	+5V	VAR	-	-	-	NAT	AM2500 SERIES
DM5400F SER.	TTL	-	HOUSE CODES FOR SN5400J SERIES	DIL--C	-	125	-	-	-	NAT	SN5400J SER.
DM5400J SER.	TTL	-	HOUSE CODES FOR SN5400J SERIES	DIL--C	-	125	-	-	-	NAT	SN5400J SER.
DM5400N SER.	TTL	-	DIP VERSIONS OF SN5400 SERIES	DIL--P	-	125	-	-	-	NAT	ZN5400E SER.
DM5400N	TTL	NAN	NAND, 2IP, QUAD	DIL14P	+5V	125	22MA	22MXNS	N001	NAT	ZN5400E
DM5400W SER.	TTL	-	HOUSE CODES FOR SN5400W SERIES	FLP	-	125	-	-	-	NAT	SN5400W SER.
DM5401N	TTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	125	22MA	45MXNS	N003	NAT	
DM5402N	TTL	NOR	NOR, 2IP, QUAD	DIL14P	+5V	125	27MA	15MXNS	Q001	NAT	
DM5403N	TTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	125	22MA	45MXNS	N001	NAT	
DM5404N	TTL	INV	INVERTER, HEX	DIL14P	+5V	125	33MA	22MXNS	I001	NAT	SN5404J
DM5405N	TTL	INV	INVERTER, OC OP, HEX	DIL14P	+5V	125	33MA	55MXNS	I001	NAT	SN5405J
DM5406N	TTL	INV	INVERTER/DRIVER, OC 30V, HEX	DIL14P	+5V	125	51MA	23MXNS	I001	NAT	SN5406J
DM5407N	TTL	BUF	BUFFER, NON INV,OC 30V OP, HEX	DIL14P	+5V	125	41MA	30MXNS	B001	NAT	SN5407J
DM5408N	TTL	AND	AND, 2IP, QUAD	DIL14P	+5V	125	33MA	27MXNS	A001	NAT	SN5408J
DM5409N	TTL	AND	AND, 2IP, OC OP, QUAD	DIL14P	+5V	125	33MA	32MXMA	A001	NAT	SN5409J
DM5410N	TTL	NAN	NAND, 3IP, TRIPLE	DIL14P	+5V	125	16MA	22MXNS	N004	NAT	SN5410J
DM5411J	TTL	AND	AND, 3IP, TRIPLE	DIL14C	+5V	125	24MA	27MXNS	A003	NAT	5411DM
DM5411N	TTL	AND	AND, 3IP, TRIPLE	DIL14P	+5V	125	24MA	27MXNS	A003	NAT	5411DM
DM5413N	TTL	NAN	NAND, 4IP, SCHMITT, DUAL	DIL14P	+5V	125	32MA	27MXNS	N007	NAT	SN5413J
DM5414N	TTL	SCH	INVERTER, SCHMITT, HEX	DIL14P	+5V	125	60MA	22MXNS	I004	NAT	SN5414J
DM5416N	TTL	INV	INVERTER/BUFFER,OC 15V OP, HEX	DIL14P	+5V	125	51MA	23MXNS	I001	NAT	SN5416J
DM5417N	TTL	BUF	BUFFER, NON INV,OC 15V OP, HEX	DIL14P	+5V	125	41MA	30MXNS	B001	NAT	SN5417J
SN5417W	TTL	BUF	BUFFER, NON INV,OC 15V OP, HEX	FLP14	+5V	125	41MA	30MXNS	B001	TII	DM5417W
DM5420N	TTL	NAN	NAND, 4IP, DUAL	DIL14P	+5V	125	11MA	22MXNS	N008	NAT	SN5420J
DM5423N	TTL	NOR	NOR, 4IP,EXPANDBLE,STROBE,DUAL	DIL16P	+5V	125	19MA	22MXNS	Q003	NAT	SN5423J
DM5425N	TTL	NOR	NOR, 4IP, STROBE, DUAL	DIL16P	+5V	125	19MA	22MXNS	Q004	NAT	SN5425J

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
DM5426N	TTL	NAN	NAND, 2IP, OC 15V OP, QUAD	DIL14P	+5V	125	22MA	24MXNS	N001	NAT	SN5426J
DM5427N	TTL	NOR	NOR, 3IP, TRIPLE	DIL14P	+5V	125	26MA	15MXNS	Q005	NAT	SN5427J
DM5430N	TTL	NAN	NAND, 8IP	DIL14P	+5V	125	6MA	22MXNS	N010	NAT	SN5430J
DM5432N	TTL	ORG	OR, 2IP, QUAD	DIL14P	+5V	125	38MA	22MXNS	O001	NAT	SN5432J
DM5437N	TTL	NAN	NAND, BUFFER, 2IP, QUAD	DIL14P	+5V	125	54MA	22MXNS	N001	NAT	SN5437J
DM5438N	TTL	NAN	NAND, BUFFER, 2IP, OC OP, QUAD	DIL14P	+5V	125	54MA	22MXNS	N001	NAT	SN5438N
DM5440N	TTL	NAN	NAND, BUFFER, 4IP, DUAL	DIL14P	+5V	125	27MA	22MXNS	N008	NAT	SN5440J
DM5441AJ	TTL	DSP	DECODER/DRVR,BCD-DEC,70V,NIXIE	DIL16C	+5V	125	14MA	22MXNS	D008	NAT	-
DM5441AW	TTL	DSP	DECODER/DRVR,BCD-DEC,70V,NIXIE	FLP16	+5V	125	14MA	22MXNS	D008	NAT	-
DM5442J	TTL	DCD	DECODER, BCD-DECIMAL,4-10 LINE	DIL16C	+5V	125	56MA	30MXNS	D001	NAT	5442ADM
DM5442W	TTL	DCD	DECODER, BCD-DECIMAL,4-10 LINE	FLP16	+5V	125	56MA	30MXNS	D001	NAT	5442AFM
DM5446AJ	-	-	NOW RENUMBERED	-	-	-	-	-	-	NAT	DS5446AJ
DM5446AN	TTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 30V	DIL16P	+5V	125	85MA	100MXNS	D011	NAT	SN5446AJ
DM5447AN	TTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 15V	DIL16P	+5V	125	85MA	100MXNS	D011	NAT	SN5447AJ
DM5448N	TTL	DSP	DECODER,BCD-7SGT,INTERN PULLUP	DIL16P	+5V	125	76MA	100MXNS	D003	NAT	SN5448J
DM5450N	TTL	AOI	AOI, 2IP(1EXPDBLE) 2WIDE, DUAL	DIL14P	+5V	125	14MA	22MXNS	Y001	NAT	SN5450J
DM5451N	TTL	AOI	AOI, 2IP, 2WIDE, DUAL	DIL14P	+5V	125	14MA	15MXNS	Y003	NAT	SN5451J
DM5453N	TTL	AOI	AND/OR INVERT,2-2-2-3IP,EXPDBL	DIL14P	+5V	125	9.5MA	22MXNS	Y008	NAT	SN5453J
DM5454N	TTL	AOI	AND/OR INVERT,2-2-2-3IP	DIL14P	+5V	125	9.5MA	22MXNS	Y012	NAT	
DM5460N	TTL	EXP	EXPANDER, 4IP,OC,FOR AOI, DUAL	DIL14P	+5V	125	4MA	30MXNS	E001	TII	SN5460J
SN5460W	TTL	EXP	EXPANDER, 4IP,OC,FOR AOI, DUAL	FLP14	+5V	125	4MA	30MXNS	E002	TII	DM5460W
DM5470N	TTL	FFJ	FF/JK,+EDG TRIG,AND GTD,S/R/CK	DIL14P	+5V	125	26MA	20MXMHZ	F001	NAT	SN5470J
DM5472N	TTL	FFJ	FF/JK,MASTER SLVE,A GTD,S/R/CK	DIL14P	+5V	125	20MA	15MXMHZ	F005	NAT	SN5472J
DM5473N	TTL	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	DIL14P	+5V	125	40MA	15MXMHZ	F007	NAT	SN5473J
DM5474N	TTL	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	DIL14P	+5V	125	30MA	10MXMHZ	F008	NAT	SN5474J
DM5475N	TTL	LCH	LATCH,FF/D,2BT,TRANSP,2OP,DUAL	DIL16P	+5V	125	46MA	40MXNS	L001	NAT	SN5475J
DM5476N	TTL	FFJ	FF/JK, M-S, SEP S/R/CK, DUAL	DIL16P	+5V	125	40MA	15MXMHZ	F010	NAT	SN5476J
DM5486N	TTL	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14C	+5V	125	43MA	30MXNS	X001	NAT	SN5486J
DM5488J	TTL	MEM	ROM,256=32X8BT,OC,MASK PROGRAM	DIL16C	+5V	125	80MA	35MXNS	S004	NAT	SN5488AJ
DM5488W	TTL	MEM	ROM,256=32X8BT,OC,MASK PROGRAM	FLP16	+5V	125	80MA	35MXNS	S004	NAT	SN5488W
DM5489J	TTL	MEM	RAM, 64=16X4 BIT, OC OP	DIL16C	+5V	125	105MA	60MXNS	S001	NAT	5489DM
DM5490N	TTL	CTR	COUNTER, DECADE,2X5 DIV,RIPPLE	DIL14P	+5V	125	70MA	20MXMHZ	C001	NAT	SN5490J
DM5490AN	TTL	CTR	COUNTER, DECADE,2X5 DIV,RIPPLE	DIL14P	+5V	125	42MA	32MXMHZ	C001	NAT	SN5490AJ
DM5491J	TTL	SRG	SHIFT REG, 8BT,SISO,GATED IP	DIL14C	+5V	125	50MA	10MXMHZ	R001	NAT	SN5491J
DM5491N	TTL	SRG	SHIFT REG, 8BT,SISO,GATED IP	DIL14P	+5V	125	50MA	10MXMHZ	R001	NAT	5491ADM
DM5491W	TTL	SRG	SHIFT REG, 8BT,SISO,GATED IP	FLP14	+5V	125	50MA	10MXMHZ	R002	NAT	7491AFM
DM5491AN	TTL	SRG	SHIFT REG, 8BT,SISO,GATED IP	DIL14P	+5V	125	50MA	18TPMHZ	R001	NAT	5491ADM
DM5492J	TTL	CTR	COUNTER, DUODECIMAL,2X6 DIVIDE	DIL14C	+5V	125	44MA	10MXMHZ	C002	NAT	SN5492AJ
DM5492N	TTL	CTR	COUNTER, DUODECIMAL,2X6 DIVIDE	DIL14P	+5V	125	44MA	10MXMHZ	C002	NAT	SN5492AJ
DM5492W	TTL	CTR	COUNTER, DUODECIMAL,2X6 DIVIDE	FLP14	+5V	125	44MA	10MXMHZ	C002	NAT	SN5492AW
DM5493AN	TTL	CTR	COUNTER,4BT BIN,2X8 DIV,RIPPLE	DIL14P	+5V	125	39MA	32MXMHZ	C003	NAT	SN5493AJ
DM5493J	TTL	CTR	COUNTER,4BT BIN,2X8 DIV,RIPPLE	DIL14C	+5V	125	46MA	10MXMHZ	C003	NAT	5493ADM
DM5493N	TTL	CTR	COUNTER,4BT BIN,2X8 DIV,RIPPLE	DIL14P	+5V	125	46MA	10MXMHZ	C003	NAT	DM5493J
DM5493W	TTL	CTR	COUNTER,4BT BIN,2X8 DIV,RIPPLE	FLP14	+5V	125	46MA	10MXMHZ	C003	NAT	5493AFM
DM5495J	TTL	SRG	SHIFT REG,4BIT,L/R SHIFT, PIPO	DIL14C	+5V	125	63MA	25MXMHZ	R004	NAT	SN5495AJ
DM5495W	TTL	SRG	SHIFT REG,4BIT,L/R SHIFT, PIPO	FLP14	+5V	125	63MA	25MXMHZ	R004	NAT	5494AFM
DM6400 SER.	TTL	-	HOUSE CODES FOR SN6400 SERIES	-	-	85C	-	-	-	NAT	SN6400 SERIES
DM7000 SERIES	TTL	VAR	NATIONAL PROPRIETARY SERIES	-	+5V	125	-	-	-	NAT	-
		SUF	FIX: J=DIC, N=DIP, W=FLP	125C	VRSN.	OF	70C	DM8000	SER.		
DM7006	TTL		NAND, 2IP, RESISTIVE P/U ,QUAD	14LEAD	+5V	125	3.7MA	29MXNS	N001	NAT	-
DM7090	TTL	INV	INV, QUAD + 2IP NAND	16LEAD	+5V	125	31MA	25MXNS	Z999	NAT	-
DM7091	TTL	NAN	NAND, 2IP, QUAD	14LEAD	+5V	125	46MA	22MXNS	N026	NAT	-
DM7092	TTL	NAN	NAND, 5 IP, DUAL	14LEAD	+5V	125	10MA	25MXNS	N027	NAT	-
DM7093	TTL	BUF	BUFFER, HI ACTIVATED 3S, QUAD	14LEAD	+5V	125	62MA	25MXNS	B002	NAT	-
DM7094	TTL	BUF	BUFFER, LO ACTIVATED 3S, QUAD	14LEAD	+5V	125	62MA	25MXNS	B004	NAT	-
DM7095	TTL	BUF	BUFFER, 3S, HEX	16LEAD	+5V	125	85MA	35MXNS	B007	NAT	-
DM7096	TTL	BUF	BUFFER, INV, 3S, HEX	16LEAD	+5V	125	77MA	35MXNS	B008	NAT	-
DM7097	TTL	BUF	BUFFER, 3S, HEX	16LEAD	+5V	125	85MA	35MXNS	B014	NAT	-
DM7098	TTL	BUF	BUFFER, INV, 3S, HEX	16LEAD	+5V	125	77MA	35MXNS	B009		-
DM7099	TTL	BUF	BUFFER, NAND, 2IP, 3S, QUAD	16LEAD	+5V	125	35MA	20MXNS	Z999	NAT	-
DM7100 SERIES	TTL	VAR	NATIONAL PROPRIETARY TTL SER.	-	+5V	125	-	-	-	NAT	-
		1ST	SUFFIX: J=DIC, N=DIP, W=FLP	125C	VRSN.	OF	70C	DM8100	SER.		
DM7121	TTL	MUX	MUX/DATA SELECTOR, 8-1 LINE,3S	16LEAD	+5V	125	51MA	38MXNS	M007	NAT	54251
DM7122	TTL	MUX	MUX/DATA SELECTOR,2-1 LN, QUAD	16LEAD	+5V	125	51MA	30MXNS	M005	NAT	54157
DM7123	TTL	MUX	MUX/DATA SEL.,2-1 LN,3S, QUAD	16LEAD	+5V	125	51MA	30MXNS	M005	NAT	-
DM7130	TTL	CMP	COMPARATOR, MAGNITUDE,10 BT,OC	24LEAD	+5V	125	70MA	30MXNS	Z999	NAT	-
DM7131	TTL	CMP	COMPARATOR, UN. BUS,6 BIT	16LEAD	+5V	125	74MA	45MXNS	Z999	NAT	-
DM7136	TTL	CMP	COMPARATOR, UN. BUS,6 BIT , OC	16LEAD	+5V	125	74MA	45MXNS	Z999	NAT	-
DM7160	TTL	CMP	COMPARATOR, MAGNITUDE, 6 BT,OC	16LEAD	+5V	125	60MA	30MXNS	Z999	NAT	-
DM7195	TTL	BUF	BUFFER, 3S, OCTAL	20LEAD	+5V	125	-	-	B028	NAT	-
DM7196	TTL	BUF	BUFFER, INV, 3S, OCTAL	20LEAD	+5V	125	-	-	I014	NAT	-
DM7197	TTL	BUF	BUFFER, 3S, OCTAL	20LEAD	+5V	125	-	-	B027	NAT	-
DM7198	TTL	INV	BUFFER, INV, 3S, OCTAL	20LEAD	+5V	125	-	-	I015	NAT	-
DM7200 SERIES	TTL	VAR	NATIONAL PROPRIETARY SERIES	-	+5V	125	-	-	-	NAT	-
		SUF	FIX: J=DIC, N=DIP, W=FLP	125C	VRSN.	OF	70C	DM8200	SER.		

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
DM7200	TTL	CMP	COMPARATOR, MAGNITUDE, 8BT	14LEAD	+5V	125	53MA	40MXNS	Z999	NAT	-
DM7210	TTL	MUX	MUX/DATA SEL, 8-1 LINE	14LEAD	+5V	125	33MA	43MXNS	Z999	NAT	-
DM7211	TTL	MUX	MUX/DATA SEL, 8-1 LINE	16LEAD	+5V	125	33MA	43MXNS	Z999	NAT	-
DM7214	TTL	MUX	MUX/DATA SEL, 4-1 LN, 3S, DUAL	16LEAD	+5V	125	56MA	34MXNS	M004	NAT	54153
DM7219	TTL	MUX	MUX/DATA SEL, 16-1 LINE, 3S	24LEAD	+5V	125	68MA	35MXNS	M001	NAT	54150
DM7220	TTL	PAR	PARITY GEN/CHECKER, 9 BIT	14LEAD	+5V	125	35MA	58MXNS	Z999	NAT	-
DM7223	TTL	DMX	DEMULTIPLEXER, 1-TO-8 LINE	16LEAD	+5V	125	41MA	35MXNS	Z999	NAT	-
DM7230	TTL	DMX	DEMUX, 2-4 LINE, DUAL	16LEAD	+5V	125	75MA	36MXNS	Z999	NAT	-
DM7280	TTL	CTR	COUNTER,DECADE, PRESETTABLE	14LEAD	+5V	125	45MA	35MXMHZ	C007	NAT	8280/54176
DM7281	TTL	CTR	COUNTER, 4BT BIN,PRESETTABLE	14LEAD	+5V	125	45MA	35MXMHZ	Z999		8281/54177
DM7288	TTL	CTR	COUNTER, DIV BY 12,PRESETTABLE	14LEAD	+5V	125	45MA	35MXMHZ	C007	NAT	-
DM7290	TTL	CTR	COUNTER, DECADE, PRESETTABLE	16LEAD	+5V	125	48MA	40MXMHZ	C010	NAT	54196
DM7291	TTL	CTR	COUNTER, 4BT BIN,PRESETTABLE	16LEAD	+5V	125	48MA	40MXMHZ	C010	NAT	54197
DM7400J SER	TTL	-	HOUSE CODES FOR SN7400J SERIES	DIL--C	-	70C	-	-	-	NAT	SN7400J SER.
DM7400N SER	TTL	-	HOUSE CODES FOR SN7400N SERIES	DIL--P	-	70C	-	-	-	NAT	SN7400N SER
DM7400W SER	TTL	-	HOUSE CODES FOR SN7400W SERIES	FLP	-	70C	-	-	-	NAT	SN7400W SER.
DM7411J	TTL	AND	AND, 3IP, TRIPLE	DIL14C	+5V	70C	24MA	27MXNS	A003	NAT	7411DC
DM7411N	TTL	AND	AND, 3IP, TRIPLE	DIL14P	+5V	70C	24MA	27MXNS	A003	NAT	7411PC
DM7414W	TTL	SCH	INVERTER, SCHMITT, HEX	FLP14	+5V	125	60MA	22MXNS	I004	NAT	S5414W
DM7423W	TTL	NOR	NOR, 4IP,EXPANDBLE,STROBE,DUAL	FLP16	+5V	70C	19MA	22MXNS	Q003	NAT	7423FC
DM7425W	TTL	NOR	NOR, 4IP, STROBE, DUAL	FLP16	+5V	70C	19MA	22MXNS	Q004	NAT	7425FC
DM7427W	TTL	NOR	NOR, 3IP, TRIPLE	FLP14	+5V	70C	26MA	15MXNS	Q005	NAT	7427FC
DM7437W	TTL	NAN	NAND, BUFFER, 2IP, QUAD	FLP14	+5V	70C	54MA	22MXNS	N001	NAT	7437FC
DM7438W	TTL	NAN	NAND, BUFFER, 2IP, OC OP, QUAD	FLP14	+5V	70C	54MA	22MXNS	N001	NAT	7438FC
DM7441AJ	TTL	DSP	DECODER/DRVR,BCD-DEC,70V,NIXIE	DIL16C	+5V	70C	14MA	22MXNS	D008	NAT	SN7441AJ
DM7441AN	TTL	DSP	DECODER/DRVR,BCD-DEC,70V,NIXIE	DIL16P	+5V	70C	14MA	22MXNS	D008	NAT	SN7441AN
DM7441AW	TTL	DSP	DECODER/DRVR,BCD-DEC,70V,NIXIE	FLP16	+5V	70C	14MA	22MXNS	D008	NAT	-
DM7442J	TTL	DCD	DECODER, BCD-DECIMAL,4-10 LINE	DIL16C	+5V	70C	56MA	30MXNS	D001	NAT	N7442F
DM7442N	TTL	DCD	DECODER, BCD-DECIMAL,4-10 LINE	DIL16P	+5V	70C	56MA	30MXNS	D001	NAT	N7442N
DM7442W	TTL	DCD	DECODER, BCD-DECIMAL,4-10 LINE	FLP16	+5V	70C	56MA	30MXNS	D001	NAT	S5442W
DM7445W	TTL	DSP	DECODER,BCD-DEC,OC 30V,4-10 LN	FLP16	+5V	70C	70MA	50MXNS	D001	NAT	7445FC
DM7446AW	TTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 30V	DIL16C	+5V	70C	103MA	200MXNS	D011	TII	7446AFC
DM7447AW	TTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 15V	FLP16	+5V	70C	103MA	200MXNS	D011	NAT	7447AFC
DM7448W	TTL	DSP	DECODER,BCD-7SGT,INTERN PULLUP	FLP16	+5V	70C	90MA	100MXNS	D011	NAT	-
DM7470W	TTL	FFJ	FF/JK,+EDG TRIG,AND GTD,S/R/CK	FLP14	+5V	70C	26MA	20MXMHZ	F002	NAT	7470FC
DM7483J	TTL	ADD	ADDER,FULL,4BT BINARY,FST CRRY	DIL16C	+5V	70C	79MA	47MXNS	Z004	NAT	N7483F
DM7483N	TTL	ADD	ADDER,FULL,4BT BINARY,FST CRRY	DIL16P	+5V	70C	79MA	47MXNS	Z004	NAT	N7483N
DM7483W	TTL	ADD	ADDER,FULL,4BT BINARY,FST CRRY	FLP16	+5V	70C	79MA	47MXNS	Z004	NAT	S5483W
DM7486W	TTL	XOR	EXCLUSIVE OR, 2IP, QUAD	FLP14	+5V	70C	50MA	30MXNS	X001	NAT	7486FC
DM7488J	TTL	MEM	ROM,256=32X8BT,OC,MASK PROGRAM	DIL16C	+5V	70C	80MA	35MXNS	S004	NAT	SN7488AJ
DM7488N	TTL	MEM	ROM,256=32X8BT,OC,MASK PROGRAM	DIL16P	+5V	70C	80MA	35MXNS	S004	NAT	SN7488AN
DM7488W	TTL	MEM	ROM,256=32X8BT,OC,MASK PROGRAM	FLP16	+5V	70C	80MA	30MXNS	S004	NAT	ZN7488AF
DM7490J	TTL	CTR	COUNTER, DECADE,2X5 DIV,RIPPLE	DIL14C	+5V	70C	70MA	20MXMHZ	C001	NAT	-
DM7490N	TTL	CTR	COUNTER, DECADE,2X5 DIV,RIPPLE	DIL14P	+5V	70C	70MA	20MXMHZ	C001	NAT	7490APC
DM7491J	TTL	SRG	SHIFT REG, 8BT,SISO,GATED IP	DIL14P	+5V	70C	58MA	10MXMHZ	R001	NAT	SN7491AJ
DM7491N	TTL	SRG	SHIFT REG, 8BT,SISO,GATED IP	DIL14P	+5V	70C	58MA	10MXMHZ	R001	NAT	SN7491AN
DM7491W	TTL	SRG	SHIFT REG, 8BT,SISO,GATED IP	FLP14	+5V	70C	58MA	10MXMHZ	R001	NAT	7491AFC
DM7500 SERIES	TTL	VAR	NATIONAL PROPRIETARY SERIES	-	+5V	125	-	-	-	NAT	-
		SUF	FIX: J=DIC, N=DIP, W=FLP	125C	VRSN	OF	70C	DM8500	SER.		
DM7511	TTL	FFD	FF/D, GATED, DUAL	16LEAD	+5V	125	55MA	30MXMHZ	Z999	NAT	-
DM7512	TTL	FFD	FF/D(J), GATED, DUAL	16LEAD	+5V	125	57MA	20MXMHZ	Z999	NAT	-
DM7520	TTL	DVD	DIVIDER, MODULO-N (2-15 DIV.)	16LEAD	+5V	125	75MA	15MXMHZ	Z999	NAT	-
DM7531	TTL	MEM	ROM, 16K=2048X8 BIT, 3S	24LEAD	+5V	125	160MA	450MXNS	Z999	NAT	-
DM7542	TTL	REG	REGISTER, I/O, 3S, QUAD	16LEAD	+5V	125	120MA	30MXMHZ	Z999	NAT	-
DM7544	TTL	XXX	SWITCH DEBOUNCER, 3S, QUAD	16LEAD	+5V	125	50MA	36MXNS	Z999	NAT	-
DM7546	TTL	SRG	SHIFT REG,I/O 8BT,UNIVERSAL,3S	16LEAD	+5V	125	115MA	15MXMHZ	Z999	NAT	-
DM7550	TTL	SRG	SHIFT REGISTER, 6 BIT	16LEAD	+5V	125	150MA	-	Z999	NAT	-
DM7551	TTL	FFD	FF/D, REGISTERS, 3S, QUAD	16LEAD	+5V	125	72MA	25MXMHZ	R010	NAT	54173
DM7552	TTL	CTR	COUNTER, DECADE, LATCH,SYNC,3S	16LEAD	+5V	125	106MA	15MXMHZ	Z999	NAT	-
DM7553	TTL	LCH	LATCHES, 8 BIT, 3S	16LEAD	+5V	125	93MA	32MXNS	Z999	NAT	-
DM7554	TTL	CTR	COUNTER, 4BT BIN,LATCH,SYNC,3S	16LEAD	+5V	125	106MA	15MXMHZ	Z999	NAT	-
DM7555	TTL	CTR	COUNTER, DECADE, 3S, PROGRAMM.	16LEAD	+5V	125	110MA	25MXMHZ	Z999	NAT	-
DM7556	TTL	CTR	COUNTER, 4BT BIN,3S, PROGRAMM.	16LEAD	+5V	125	100MA	25MXMHZ	Z999	NAT	-
DM7560	TTL	CTR	COUNTER, DECADE,UP/DWN, SYNC.	16LEAD	+5V	125	100MA	25MXMHZ	C009	NAT	54192
DM7563	TTL	CTR	COUNTER, 4BT BIN,UP/DWN, SYNC.	16LEAD	+5V	125	100MA	25MXMHZ	C009	NAT	54193
DM7568	TTL	REG	REGISTER, 16X4 BIT,EDG TRIG,3S	18LEAD	+5V	125	100MA	55MXNS	Z999	NAT	-
DM7570	TTL	SRG	SHIFT REG, 8 BIT, SIPO	14LEAD	+5V	125	54MA	42MXNS	R006	NAT	54164
DM7573	TTL	MEM	PROM, 1K=256X4 BIT,	16LEAD	+5V	125	110MA	80MXNS	S006	NAT	54S387
DM7574	TTL	MEM	PROM, 1K=256X4 BIT	16LEAD	+5V	125	110MA	80MXNS	S007	NAT	54S188
DM7575	TTL	XXX	MASK PROGRAMMABLE LOGIC ARRAY	24LEAD	+5V	125	170MA	150MXNS	Z999	NAT	-
DM7576	TTL	XXX	MASK PROGRAMMABLE LOGIC ARRAY	24LEAD	+5V	125	170MA	150MXNS	Z999	NAT	-
DM7577	TTL	MEM	PROM, 256=32X8 BIT, ,OC	16LEAD	+5V	125	110MA	50MXNS	S007	NAT	54S188
DM7578	TTL	MEM	PROM, 256=32X8 BIT, 3S,	16LEAD	+5V	125	110MA	50MXNS	S007	NAT	54S288
DM7581	TTL	MEM	ROM, 16K=1024X16 BT, 3S	40LEAD	+5V	125	160MA	450MXNS	Z999	NAT	-
DM7582	TTL	MEM	RAM, 256=256X1 BT, OC, FAST	16LEAD	+5V	125	-	-	S009	NAT	54S301

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
DM7588	TTL	MEM	PROM, 256=32X8 BT, FUZ LNK, OC	16LEAD	+5V	125	-	-	S007	NAT	54S188
DM7590	TTL	SRG	SHIFT REG, 8 BIT, PISO	16LEAD	+5V	125	63MA	14MXMHZ	R007	NAT	54165
DM7595	TTL	MEM	ROM, 4K=512X8 BIT	24LEAD	+5V	125	158MA	120MXNS	Z999	NAT	-
DM7596	TTL	MEM	ROM, 4K=512X8 BIT, 3S	24LEAD	+5V	125	170MA	120MXNS	Z999	NAT	-
DM7597	TTL	MEM	ROM, 1K=256X4 BIT	16LEAD	+5V	125	110MA	60MXNS	S006	NAT	54S287
DM7598	TTL	MEM	ROM, 256=32X8 BIT, 3S	16LEAD	+5V	125	99MA	50MXNS	Z999	NAT	-
DM7599	TTL	MEM	RAM, 16X4 BIT, 3S	16LEAD	+5V	125	120MA	45MXNS	S001	NAT	54S189
DM7600 SERIES	TTL	VAR	NATIONAL PROPRIETARY SERIES	-	+5V	125	-	-	-	NAT	-
		SUF	FIX J=DIC, N=DIP W=FLP	125C	VRSN	OF	70C	DM8600	SER		
DM7613	TTL	FFD	FF/D, GATED, QUAD	16LEAD	+5V	125	76MA	20MXMHZ	Z999	NAT	-
DM7624	TTL	CMP	COMPARATOR MAGNITUDE,A-NEAR-B	16LEAD	+5V	125	20MA	130MXNS	Z999	NAT	-
DM7625	TTL	DCD	DECODER 7SGT-TO-8CD, 3S	16LEAD	+5V	125	20MA	130MXNS	Z999	NAT	-
DM7670	TTL	SRG	SHIFT REG, 8 BIT, SIPO	14LEAD	+5V	125	54MA	25MXMHZ	R006	NAT	54164
DM7675	TTL	CTR	COUNTER, DECADE, PRESETTABLE	16LEAD	+5V	125	9MA	6MXMHZ	C004	NAT	-
DM7676	TTL	CTR	COUNTER, 4BT BIN, PROGRAMMABLE	16LEAD	+5V	125	9MA	6MXMHZ	C004	NAT	-
DM7678	TTL	XXX	CHARACTER GENERATOR, 7X9, 3S	16LEAD	+5V	125	150MA	20TPMHZ	Z999	NAT	-
DM7679	TTL	XXX	CHARACTER GENERATOR 7X9 3S	16LEAD	+5V	125	150MA	20TPMHZ	Z999	NAT	-
DM7690	TTL	SRG	SHIFT REG, 8 BIT, PISO	16LEAD	+5V	125	63MA	14MXMHZ	R007	NAT	-
DM7693	TTL	CTR	COUNTER, 4 BIT BINARY	14LEAD	+5V	125	-	-	C003	NAT	SN54LS93A
DM7697	TTL	MEM	ROM, 1K=256X4 BIT, 3S	16LEAD	+5V	125	-	-	S006	NAT	-
DM7699	TTL	MEM	RAM, 16X4 BIT,	16LEAD	+5V	125	-	-	S001	NAT	-
DM7700 SERIES	TTL	VAR	NATIONAL PROPRIETARY SERIES	-	+5V	125	-	-	-	NAT	
		SUF	FIX J=DIC, N=DIP, W=FLP	125C	VRSN	OF	70C	DM8700	SER		
DM7795	TTL	MEM	ROM, 512X8 BIT, OC	24LEAD	+5V	125	158MA	120MXNS	Z999	NAT	-
DM7796	TTL	MEM	ROM, 512X8 BIT, 3S	24LEAD	+5V	125	170MA	120MXNS	Z999	NAT	-
DM8000 SERIES	TTL	VAR	70C COMM VRSN OF DM7000 SERIES	-	+5V	70C	-		-	NAT	-
		1ST	SUFFIX J=DIC, N=DIP, W=FLP				-				
DM8100 SERIES	TTL	VAR	70C COMM VRSN OF DM7100 SER	-	+5V	70C	-	-	-	NAT	-
		1ST	SUFFIX J=DIC, N=DIP, W=FLP				-				
DM8200 SERIES	TTL	VAR	70C COMM VRSN OF DM7200 SER	-	+5V	70C	-	-	-	NAT	-
		1ST	SUFFIX. J=DIC, N=DIP, W=FLP				-				
DM8200 SERIES	TTL	VAR	NATIONAL VRSN OF N8200 SERIES	-	+5V	75C	-	-	-	NAT	8200 SERIES
DM8500 SERIES	TTL	-	70C COMMERCIAL VRSN DM7500 SER	-	+5V	70C	-	-	-	NAT	-
DM8600 SERIES	TTL	VAR	70C COMMERCIAL VRSN DM7600 SER	-	+5V	70C	-	-	-	NAT	-
DM8700 SERIES	TTL	VAR	70C COMMERCIAL VRSN DM7700 SER	-	+5V	70C	-	-	-	NAT	-
DM9090 SERIES	DTL	-	NATIONAL SEMI OBS VRSN 9090 SR	-	+5V	-	-	-	-	NAT	9090 SERIES
DM9100 SERIES	DTL	-	NATIONAL SEMI OBS VRSN 9100 SR	-	+5V	-	-	-	-	NAT	9100 SERIES
DM10100J SER	ECL	-	NATIONAL SEMI VERSN MC10100 SR	DIL--C	-5.2V	85C	-	-	-	NAT	MC10100L
DM54107N	TTL	FFJ	FF/JK, M-S, SEP R/CK, DUAL	DIL14P	+5V	125	40MA	15MXMHZ	F019	TII	SN54107J
DM54109N	TTL	FFJ	FF/J(-K), +ET,SEP S/R/CK, DUAL	DIL16P	+5V	125	30MA	25MXMHZ	F021	NAT	SN54109J
DM54121N	TTL	MON	MONOSTABLE MULTI, SCHMITT TRIG	DIL14P	+5V	125	40MA	-	U001	NAT	SN54121J
DM54123N	TTL	MON	MONOSTABLE,MULTI,RETRIG, DUAL	DIL16P	+5V	125	66MA	-	U003	NAT	SN54123J
DM54125N	TTL	LND	LINE DRIVER, 3S OP,LO EN, QUAD	DIL14P	+5V	125	54MA	18MXNS	B002	NAT	SN54125J
DM54126N	TTL	LND	LINE DRIVER, 3S OP,HI EN, QUAD	DIL14P	+5V	125	62MA	18MXNS	B003	NAT	SN54126N
DM54132N	TTL	SCH	NAND, 2IP,SCHMITT, QUAD	DIL14P	+5V	125	40MA	22MXNS	N001	NAT	SN54132J
DM54141J	TTL	DSP	DISPLAY DRVR,60V,BCD-DEC,NIXIE	DIL16C	+5V	125	25MA	-	D008	NAT	SN54141J
DM54141W	TTL	DSP	DISPLAY DRVR,60V,BCD-DEC,NIXIE	FLP16	+5V	125	25MA	-	D008	NAT	SN54141W
DM54145N	TTL	DVR	DRIVER,80MA, BCD-DEC DECODR,OC	DIL16P	+5V	125	62MA	50MXNS	D001	NAT	SN54145J
DM54160AJ	TTL	CTR	COUNTER,DEC,4 BIT, SYNC,DRCT R	DIL16C	+5V	125	91MA	25MXMHZ	C004	NAT	-
DM54160AW	TTL	CTR	COUNTER,DEC,4 BIT, SYNC,DRCT R	FLP16	+5V	125	91MA	25MXMHZ	C004	NAT	-
DM54161AJ	TTL	CTR	COUNTER, BIN,4 BIT,SYNC,DRCT R	DIL16C	+5V	125	91MA	25MXMHZ	C004	NAT	-
DM54161AW	TTL	CTR	COUNTER, BIN,4 BIT,SYNC,DRCT R	FLP16	+5V	125	91MA	25MXMHZ	C004	NAT	-
DM54162AJ	TTL	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	DIL16C	+5V	125	91MA	25MXMHZ	C005	NAT	-
DM54162AW	TTL	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	FLP16	+5V	125	91MA	25MXMHZ	C005	NAT	-
DM54163AJ	TTL	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	DIL16C	+5V	125	91MA	25MXMHZ	C005	NAT	-
DM54163AW	TTL	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	FLP16	+5V	125	91MA	25MXMHZ	C005	NAT	-
DM54166N	TTL	SRG	SHIFT REGISTER,8 BIT,PISO/SIPO	DIL16P	+5V	125	127MA	25MXMHZ	R008	NAT	SN54166J
DM54189J	TTL	MEM	RAM, 64=16X4 BIT, 3S INV OP	DIL16C	+5V	125	700MW	50MXNS	S001	TII	54LS189DM
DM54190N	TTL	CTR	COUNTER,DEC,UP/DWN,SYNC,PRESET	DIL16P	+5V	125	99MA	20MXMHZ	C008	NAT	SN54190J
DM54191N	TTL	CTR	COUNTER, 4 BT HEX, UP/DWN,SYNC	DIL16P	+5V	125	99MA	20MXMHZ	C008	NAT	SN54191J
DM54196N	TTL	CTR	COUNTER,DEC,BCD/BIQUIN,RIPPLE	DIL14P	+5V	125	59MA	50MXMHZ	C010	NAT	SN54196J
DM54197N	TTL	CTR	COUNTER,HEXADEC,4 BIT, RIPPLE	DIL14P	+5V	125	59MA	50MXMHZ	C010	NAT	SN54197J
DM54198N	TTL	SRG	SHIFT REGISTER,8 BT,L/R, PIPO	DIL24P	+5V	125	127MA	25MXMHZ	R015	NAT	SN54198J
DM54199N	TTL	SRG	SHIFT REG, 8 BT,JK IP, PIPO	DIL24P	+5V	125	127MA	25MXMHZ	R016	NAT	SN54199J
DM54365J	TTL	LND	LINE DRIVER, 3S NON INV OP,HEX	DIL16C	+5V	125	85MA	37MXNS	B007	NAT	SN54365AJ
DM54365W	TTL	LND	LINE DRIVER, 3S NON INV OP,HEX	FLP16	+5V	125	85MA	37MXNS	B007	NAT	SN54365AW
DM54366J	TTL	LND	LINE DRIVER, 3S INV OP, HEX	DIL16C	+5V	125	77MA	37MXNS	B008	NAT	SN54366AJ
DM54366W	TTL	LND	LINE DRIVER, 3S INV OP, HEX	FLP16	+5V	125	77MA	37MXNS	B008	NAT	SN54366AW
DM54367J	TTL	LND	LINE DRIVER, 3S,2 ENABLE, HEX	DIL16C	+5V	125	85MA	37MXNS	B014	NAT	SN54367AJ
DM54367W	TTL	LND	LINE DRIVER, 3S,2 ENABLE, HEX	FLP16	+5V	125	85MA	37MXNS	B014	NAT	SN54367AW
DM54368J	TTL	LND	LINE DRIVER, 3S,2 EN,INV, HEX	DIL16C	+5V	125	77MA	37MXNS	B009	NAT	SN54368AJ
DM54368W	TTL	LND	LINE DRIVER, 3S,2 EN,INV, HEX	FLP16	+5V	125	77MA	37MXNS	B009	NAT	SN54368W
DM74000J SER	TTL	-	HOUSE CODES FOR SN74000J SER	DIL--C	-	70C	-	-	-	NAT	SN74000J
DM74000N SER	TTL	-	HOUSE CODES FOR SN74000N SER	DIL--N	-	70C	-	-	-	NAT	SN74000N SER
DM74000W SER	TTL	-	HOUSE CODES FOR SN74000W SER.	FLP	+5V	70C	-	-	-	NAT	SN74000W

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
DM74109W	TTL	FFJ	FF/J(-K), +ET,SEP S/R/CK, DUAL	FLP16	+5V	70C	30MA	25MXMHZ	F021	NAT	74LS109FC
DM74123W	TTL	MON	MONOSTABLE,MULTI,RETRIG, DUAL	FLP16	+5V	70C	66MA	-	U003	NAT	74123FC
DM74132W	TTL	SCH	NAND, 2IP,SCHMITT, QUAD	FLP14	+5V	70C	40MA	22MXNS	N001	NAT	74132FC
DM74141W	TTL	DSP	DISPLAY DRVR,60V,BCD-DEC,NIXIE	FLP16	+5V	70C	25MA	-	D008	NAT	-
DM74145W	TTL	DVR	DRIVER,80MA, BCD-DEC DECODR,OC	FLP16	+5V	70C	70MA	50MXNS	D001	NAT	74145FC
DM74147W	TTL	ENC	ENCODER, PRIORITY,10-TO-4 LINE	FLP16	+5V	70C	70MA	19MXNS	M017	NAT	S54147W
DM74148W	TTL	ENC	ENCODER, PRIORITY,8-TO-3 LINE	FLP16	+5V	70C	60MA	30MXNS	M015	NAT	S54148W
DM74150W	TTL	MUX	MUX/DATA SELECTOR,16-TO-1 LINE	FLP24	+5V	70C	68MA	35MXNS	M001	NAT	74150FC
DM74151W	TTL	MUX	MUX/DATA SELECTOR, 8-TO-1 LINE	FLP16	+5V	70C	48MA	52MXNS	M002	NAT	DM74151W
DM74153W	TTL	MUX	MUX/DATA SELECTOR,4-1 LIN,DUAL	FLP16	+5V	70C	30MA	68MXNS	M004	NAT	74153FC
DM74154W	TTL	DCD	DECODER/DEMUX, 4-TO-16 LINE	FLP24	+5V	70C	56MA	31MXNS	D009	NAT	74154FC
DM74155W	TTL	DCD	DECODER/DEMUX,2-TO-4 LINE,DUAL	FLP16	+5V	70C	40MA	32MXNS	D010	NAT	74155FC
DM74156W	TTL	DCD	DECODER/DEMUX,2-4 LINE,OC,DUAL	FLP16	+5V	70C	40MA	34MXNS	D010	NAT	74156FC
DM74157W	TTL	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	FLP16	+5V	70C	48MA	27MXNS	M005	NAT	74157FC
DM74160AJ	TTL	CTR	COUNTER,DEC,4 BIT, SYNC,DRCT R	DIL16C	+5V	70C	101MA	25MXMHZ	C004	NAT	-
DM74160AN	TTL	CTR	COUNTER,DEC,4 BIT, SYNC,DRCT R	DIL16P	+5V	70C	101MA	25MXMHZ	C004	NAT	-
DM74160AW	TTL	CTR	COUNTER,DEC,4 BIT, SYNC,DRCT R	FLP16	+5V	70C	101MA	25MXMHZ	C004	NAT	-
DM74161AJ	TTL	CTR	COUNTER, BIN,4 BIT,SYNC,DRCT R	DIL16C	+5V	70C	101MA	25MXMHZ	C004	NAT	-
DM74161AN	TTL	CTR	COUNTER, BIN,4 BIT,SYNC,DRCT R	DIL16P	+5V	70C	101MA	25MXMHZ	C004	NAT	-
DM74161AW	TTL	CTR	COUNTER, BIN,4 BIT,SYNC,DRCT R	FLP16	+5V	70C	101MA	25MXMHZ	C004	NAT	-
DM74162AJ	TTL	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	DIL16C	+5V	70C	101MA	25MXMHZ	C005	NAT	-
DM74162AN	TTL	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	DIL16P	+5V	70C	101MA	25MXMHZ	C005	NAT	-
DM74162AW	TTL	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	FLP16	+5V	70C	101MA	25MXMHZ	C005	NAT	-
DM74163AJ	TTL	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	DIL16C	+5V	70C	101MA	25MXMHZ	C005	NAT	N74163F
DM74163AN	TTL	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	DIL16P	+5V	70C	101MA	25MXMHZ	C005	NAT	N74163N
DM74163AW	TTL	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	FLP16	+5V	70C	101MA	25MXMHZ	C005	NAT	74163FC
DM74165W	TTL	SRG	SHIFT REGISTER, 8 BIT, PISO	FLP16	+5V	70C	63MA	20MXMHZ	R007	NAT	74165FC
DM74166W	TTL	SRG	SHIFT REGISTER,8 BIT,PISO/SIPO	FLP16	+5V	70C	127MA	25MXMHZ	R008	NAT	74166FC
DM74180W	TTL	PAR	PARITY BIT GEN/CHECKER,9 BIT	FLP14	+5V	70C	56MA	68MXNS	Z009	NAT	74180FC
DM74181W	TTL	ARI	ALU/FUNCTION-GENERATOR,4 BIT	FLP24	+5V	70C	37MA	38MXNS	Z010	NAT	-
DM74189J	TTL	MEM	RAM, 64=16X4 BIT, 3S INV OP	DIL16C	+5V	70C	-	-	S001	NAT	N74LS189F
DM74189N	TTL	MEM	RAM, 64=16X4 BIT, 3S INV OP	DIL16P	+5V	70C	-	-	S001	NAT	N74LS189N
DM74190W	TTL	CTR	COUNTER,DEC,UP/DWN,SYNC,PRESET	FLP16	+5V	70C	105MA	20MXMHZ	C008	NAT	74190FC
DM74191W	TTL	CTR	COUNTER, 4 BT HEX, UP/DWN,SYNC	FLP16	+5V	70C	105MA	20MXMHZ	C008	NAT	74191FC
DM74192W	TTL	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	FLP16	+5V	70C	102MA	25MXMHZ	C009	NAT	74192FC
DM74193W	TTL	CTR	COUNTER,HEX,UP/DWN,SYNC,2CK,3S	FLP16	+5V	70C	102MA	25MXMHZ	C009	NAT	74193FC
DM74194W	TTL	SRG	SHIFT REGISTER,4 BIT,L/R, PIPO	FLP16	+5V	70C	63MA	25MXMHZ	R013	NAT	74194FC
DM74195W	TTL	SRG	SHIFT REGISTER,4 BIT, PIPO	FLP16	+5V	70C	63MA	25MXMHZ	R014	NAT	74195FC
DM74198W	TTL	SRG	SHIFT REGISTER,8 BT,L/R, PIPO	FLP24	+5V	70C	127MA	25MXMHZ	R015	NAT	74198FC
DM74199W	TTL	SRG	SHIFT REG, 8 BT,JK IP, PIPO	FLP24	+5V	70C	127MA	25MXMHZ	R016	NAT	74199FC
DM74200J	TTL	MEM	RAM, 256=256X1 BT, 3S OP	DIL16C	+5V	70C	625MW	45MXNS	S009	NAT	SN74200J
DM74200N	TTL	MEM	RAM, 256=256X1 BT, 3S OP	DIL16P	+5V	70C	625MW	45MXNS	S009	NAT	SN74200N
DM74251W	TTL	SEL	MUX/DATA SELECTOR,8-1 LINE, 3S	FLP16	+5	70C	62MA	45MXNS	M007	NAT	74LS251FC
DM74365J	TTL	LND	LINE DRIVER, 3S NON INV OP,HEX	DIL16C	+5V	70C	85MA	37MXNS	B007	NAT	74LS365ADC
DM74365N	TTL	LND	LINE DRIVER, 3S NON INV OP,HEX	DIL16P	+5V	70C	85MA	37MXNS	B007	NAT	74LS365APC
DM74365W	TTL	LND	LINE DRIVER, 3S NON INV OP,HEX	FLP16	+5V	70C	85MA	37MXNS	B007	NAT	74LS365AFC
DM74366J	TTL	LND	LINE DRIVER, 3S INV OP, HEX	DIL16C	+5V	70C	77MA	37MXNS	B008	NAT	SN74366AJ
DM74366N	TTL	LND	LINE DRIVER, 3S INV OP, HEX	DIL16P	+5V	70C	77MA	37MXNS	B008	NAT	SN74366AN
DM74366W	TTL	LND	LINE DRIVER, 3S INV OP, HEX	FLP16	+5V	70C	77MA	37MXNS	B008	NAT	74LS366AFC
DM74367J	TTL	LND	LINE DRIVER, 3S,2 ENABLE, HEX	DIL16C	+5V	70C	85MA	37MXNS	B014	NAT	74LS367ADC
DM74367N	TTL	LND	LINE DRIVER, 3S,2 ENABLE, HEX	DIL16P	+5V	70C	85MA	37MXNS	B014	NAT	74LS367ADC
DM74367W	TTL	LND	LINE DRIVER, 3S,2 ENABLE, HEX	FLP16	+5V	70C	85MA	37MXNS	B014	NAT	74LS367AFC
DM74368J	TTL	LND	LINE DRIVER, 3S,2 EN,INV, HEX	DIL16C	+5V	70C	77MA	37MXNS	B009	NAT	N74368AF
DM74368N	TTL	LND	LINE DRIVER, 3S,2 EN,INV, HEX	DIL16P	+5V	70C	77MA	37MXNS	B009	NAT	N74368APC
DM74368W	TTL	LND	LINE DRIVER, 3S,2 EN,INV, HEX	FLP16	+5V	70C	77MA	37MXNS	B009	NAT	S54368AW
DM77295	TTL	MEM	PROM, 512X8 BIT	24LEAD	+5V	125	-	-	Z999	NAT	-
DM77296	TTL	MEM	PROM, 512X8 BIT	24LEAD	+5V	125	-	-	Z999	NAT	-
DN1090 SERIES	DTL	-	MATSUSHITA OBS VRSN 9090 SER.	-	±5V	-	-	-	-	NAT	9090 SERIES
DN1900 SERIES	DTL	-	MATSUSHITA OBS VRSN 1900 SER.	-	+5V	125	-	-	-	MAT	1800 SERIES
DP7300 SERIES	TTL	VAR	NATIONAL PROPRIETARY SERIES	-	+5V	125	-	-	-	NAT	-
		SUF	FIX: J=DIC, N=DIP	125C	VRSN.	OF	70C	DP8300	SER.		
DP7303	TTL	TRX	TRANSCVR, BIDIRECTIONAL,3S,8BT	20LEAD	+5V	125	150MA	-	Z999	NAT	-
DP7304B	TTL	TRX	TRANSCVR, BIDIR,NON INV,3S,8BT	20LEAD	+5V	125	140MA	-	Z999	NAT	-
DP7307	TTL	TRX	TRANSCVR, INV,BIDIR, 3S, 8 BIT	20LEAD	+5V	125	150MA	-	Z999	NAT	-
DP7308	TTL	TRX	TRANSCVR, BIDIR,NON INV,3S,8BT	20LEAD	+5V	125	140MA	-	Z999	NAT	-
DP8300 SERIES	TTL	VAR	70C COMM. VRSN OF DP7300 SER.	-	+5V	70C	-	-	-	NAT	-
		1ST	SUFFIX: J=DIC, N=DIP, W=FLP								
DS78C00 SER.	CMS	VAR	CMOS VERSION OF DM7800 SERIES	-	+5V	125	-	-	-	NAT	-
DS78LS00 SER.	LST	VAR	LO PWR SCHOTTKY VRSN DS7800 SR	-	+5V	125	-	-	-	NAT	-
DS88C00 SER.	CMS	VAR	70C COMMERCIAL VRSN DS78C00 SR	-	+5V	70C	-	-	-	NAT	-
DS88LS00 SER.	LST	VAR	70C COMMERCIAL VRSN DM78LS00 S	-	+5V	70C	-	-	-	NAT	-
DS7600 SERIES	TTL	VAR	NATIONAL PROPRIETARY TTL SER.	-	+5V	125	-	-	-	NAT	-
		SUF	FIX: J=DIC, N=DIP, W=FLP	125C	VRSN.	OF	70C	DS8600	SER.		
DS7626	-	CTR	PRESCALER, DIV. BY 40, 120 MHZ	8 LEAD	5.2V	125	125MA	120MXMHZ	Z999	NAT	-
DS7629	-	CTR	PRESCALER, DIV. BY 100,120 MHZ	8 LEAD	5.2V	125	-	130MXMHZ	Z999	NAT	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
DS7640	TTL	RCV	RECEIVER, UN. BUS, NOR, QUAD	14LEAD	+5V	125	40MA	35MXNS	Z999	NAT	-
DS7641	TTL	TRX	TRANSCEIVER, UN. BUS, QUAD	16LEAD	+5V	125	70MA	30MXNS	Z999	NAT	-
DS7642	TTL	TRX	TRANSCEIVER, OC, QUAD	16LEAD	+5V	125	64MA	50MXNS	Z999	NAT	-
DS7654	TTL	DSP	DISPLAY DRIVER,LED/VF, 8 OP	18LEAD	+30V	120	10MA	-	Z999	NAT	-
DS7656	-	XXX	DIODE MATRIX	16LEAD	+30V	125	-	-	Z999	NAT	-
DS7664	TTL	DCD	DECODER/DRIVER, 14 DIGIT	24LEAD	+4V	125	-	-	Z999	NAT	-
DS7665			DECODER/DRIVER,14 DIG,HI DRIVE	24LEAD	+8.4V	125	35MA	500MXNS	Z999	NAT	-
DS7800 SERIES	TTL	VAR	NATIONAL PROPRIETARY TTL SER.	-	+5V	125	-	-	-	NAT	-
		SUF	FIX: J=DIC, N=DIP, W=FLP	125C	VRSN.	OF	70C	DS8800	SER		
DS7800	TTL	LSH	LEVEL SHIFT, TTL-MOS, DUAL	TO5/10	+5V	125	1.6MA	125MXNS	Z999	NAT	-
DS7802	TTL	LSH	LEVEL SHIFT, MOS-TTL,FAST,DUAL	16LEAD	+5V	125	70MA	32MXNS	Z999	NAT	-
DS7806	TTL	LSH	LEVEL SHIFT, MOS-TTL,FAST,DUAL	14LEAD	+5V	125	70MA	32MXNS	Z999	NAT	-
DS7810	TTL	LSH	LEVEL SHIFT, TTL-MOS,2IP, QUAD	14LEAD	+5V	125	5MA	45MXNS	N001	NAT	-
DS7811	TTL	LSH	LEVEL SHIFT, TTL-MOS,2IP, QUAD	14LEAD	+5V	125	5MA	45MXNS	N003	NAT	-
DS7812	TTL	LSH	LEVEL SHIFT,TTL-MOS, INV, HEX	14LEAD	+5V	125	5MA	45MXNS	I001	NAT	-
DS7819	TTL	LSH	LEVEL SHIFT,TTL-MOS,2IP ,QUAD	14LEAD	+5V	125	33MA	32MXNS	A001	NAT	
DS7820	TTL	RCV	RECEIVER, LINE, DUAL	14LEAD	+5V	125	15MA	-	Z999	NAT	-
DS7831	TTL	LND	LINE DRIVER, DIFF., 3S, DUAL	16LEAD	+5V	125	90MA	27MXNS	Z999	NAT	-
DS7832	TTL	LND	LINE DRIVER, DIFF., 3S, DUAL	16LEAD	+5V	125	90MA	27MXNS	Z999	NAT	-
DS7833	TTL	TRX	TRANSCVR, BUS,3S, NON-INV,QUAD	16LEAD	+5V	125	116MA	45MXNS	Z999	NAT	-
DS7834	TTL	TRX	TRANSCVR, BUS,3S, INV, QUAD	16LEAD	+5V	125	95MA	35MXNS	Z999	NAT	-
DS7835	TTL	TRX	TRANSCEIVER, BUS,3S, INV, QUAD	16LEAD	+5V	125	95MA	50MXNS	Z999	NAT	-
DS7836	TTL	RCV	RECEIVER,UNIF. BUS,NOR IP,QUAD	14LEAD	+5V	125	40MA	30MXNS	Q008	NAT	-
DS7837	TTL	RCV	RECEIVER, UNIF. BUS, HEX	14LEAD	+5V	125	60MA	30MXNS	Z999	NAT	-
DS7838	TTL	TRX	TRANSCEIVER, UNIF. BUS, QUAD	16LEAD	+5V	125	70MA	30MXNS	Z999	NAT	-
DS7839	TTL	TRX	TRANSCVR, BUS,3S,NON-INV, QUAD	16LEAD	+5V	125	95MA	45MXNS	Z999	NAT	-
DS8600 SERIES	TTL	VAR	70C COMMERCIAL VRSN DS7600 SER	-	+5V	70C	-	-	-	NAT	-
DS8800 SERIES	TTL	VAR	70C COMMERCIAL VRSN DS7800 SER	-	+5V	70C	-	-	-	NAT	-
DS55000 SER.	TTL	VAR	NATIONAL VRSN OF SN55000 SER.	-	+5V	125	-	-	-	NAT	SN55000 SER.
		1ST	SUFFIX: H=TO5, J(D)=DIC, W=FLP								
DS75000 SER.	TTL	VAR	NATIONAL VRSN OF SN75000 SER.	-	+5V	70C	-	-	-	NAT	SN75000 SER
		1ST	SUFFIX: H=TO5, J=DIC, N=DIP, W	=FLP							
DTL3930 SER.	DTL	-	SPERRY OBS VERSN 930 SERIES	-	+5V	-	-	-	-	SPY	930 SERIES
DTL6930 SER.	DTL	-	SPERRY OBS VERSN 930 SERIES	-	+5V	-	-	-	-	SPY	930 SERIES
DTUL930 SER.	DTL	-	FAIRCHILD OBS VERSN 930 SERIES	-	+5V	-	-	-	-	FAS	930 SERIES
E100C	TTL	-	HOUSE CODES FOR SN6400J SERIES	DIL--C	-	85C	-	-	-	VEB	SN6400J SER
ECG5400 SER.	TTL	-	SERVICE SUBS FOR DM5400N	DIL--P	-	125	-	-	-	SYL	DM5400N SER
ECG74H00 SER.	HTL	-	SYLVANIA SERVICE REPLACEMENTS	DIL--P	-	70C	-	-	-	SYL	SN74H00N SER
ECG74LS00 SER	LST	-	SYLVANIA SERVICE REPLACEMENTS	DIL--P	-	70C	-	-	-	SYL	SN74LS00N SER
ECG74S00 SER.	STL	-	SYLVANIA SERVICE REPLACEMENTS	DIL--P	-	70C	-	-	-	SYL	SN74S00N SER
ECG7400 SER	TTL	-	SYLVANIA SERVICE REPLACEMENTS	DIL--P	-	70C	-	-	-	SYL	SN7400N SER.
ECL2500	ECL	ORN	OR/NOR, 4IP, TRUE/COMP OP,DUAL	DIL16P	-3+1V	75C	-	2.5MXNS	-	TII	OBSOLETE
ECL2501	ECL	ORN	OR/NOR, 9IP, TRUE/COMP OP	DIL16P	-3+1V	75C	-	2.5MXNS	-	TII	OBSOLETE
ECL2502	ECL	ORN	OR/NOR,2IP,TRUE/COMP OP,TRIPLE	DIL16P	-3+1V	75C	-	2.5MXNS	-	TII	OBSOLETE
ECL2503	ECL	NOR	NOR, 2IP, QUAD	DIL16P	-3+1V	75C	-	2.5MXNS	-	TII	OBSOLETE
ECL2504	ECL	ORN	OR/NOR, 1IP,TRUE/COMP OP, QUAD	DIL16P	-3+1V	75C	-	2.5MXNS	-	TII	OBSOLETE
ECL2505	ECL	NOR	NOR, 3IP, TRIPLE	DIL16P	-3+1V	75C	-	2.5MXNS	-	TII	OBSOLETE
ECL2506	ECL	ORN	OR/NOR, MULTILEVEL GATE, 3X4	DIL16P	-3+1V	75C	-	2.5MXNS	-	TII	OBSOLETE
ECL2507	ECL	ORN	OR/NOR, MULTILEVEL GATE, 2X5	DIL16P	-3+1V	75C	-	2.5MXNS	-	TII	OBSOLETE
ECL2508	ECL	ORN	OR/NOR, MULTILEVEL GATE, 2X6	DIL16P	-3+1V	75C	-	2.5MXNS	-	TII	OBSOLETE
ECL2509	ECL	ORG	OR-AND/NOR-OR,MULTILEVEL, 2X5	DIL16P	-3+1V	75C	-	2.5MXNS	-	TII	OBSOLETE
ECL2510	ECL	ORG	OR-AND/NOR-OR,MULTILEVEL, 3X5	DIL16P	-3+1V	75C	-	2.5MXNS	-	TII	OBSOLETE
ECL2511	ECL	ORG	OR, 2IP, 1 COMMON, QUAD	DIL16P	-3+1V	75C	-	2.5MXNS	-	TII	OBSOLETE
ECL2512	ECL	NOR	NOR-OR, MULTILEVEL, 2X3, DUAL	DIL16P	-3+1V	75C	-	2.5MXNS	-	TII	OBSOLETE
ECL2513	ECL	ORN	OR-AND/NOR-OR,MULTILEVEL, DUAL	DIL16P	-3+1V	75C	-	2.5MXNS	-	TII	OBSOLETE
ECL2515	ECL	ALU	CARRY BLOCK, 5 BIT	DIL16P	-3+1V	75C	-	2.5MXNS	-	TII	OBSOLETE
ECL2516	ECL	ADD	ADDER, FULL, 2 BIT	DIL16P	-3+1V	75C	-	2.5MXNS	-	TII	OBSOLETE
ECL2517	ECL	DCD	DECODER, 3 BIT, 8 LINE	DIL16P	-3+1V	75C	-	7.7MXNS	-	TII	OBSOLETE
ECL2520	ECL	ORN	OR/NOR, 2IP,3TRU 1COMP OP,DUAL	DIL16P	-3+1V	75C	-	2.5TPNS	-	TII	OBSOLETE
ECL2521	ECL	ORG	OR, 2IP, 3OP, DUAL	DIL16P	-3+1V	75C	-	2.5TPNS	-	TII	OBSOLETE
ECL2522	ECL	NOR	NOR, 4IP, 2OP, DUAL	DIL16P	-3+1V	75C	-	2.5TPNS	-	TII	OBSOLETE
ECL2523	ECL	NOR	NOR, 3IP, 3OP, DUAL	DIL16P	-3+1V	75C	-	2.5TPNS	-	TII	OBSOLETE
ECL2530	ECL	RCV	LINE RECEIVER, OR/NOR, DUAL	DIL16P	-3+1V	75C	-	1MXMHZ	-	TII	OBSOLETE
ECL2531	ECL	DVR	LINE DRIVER, OR/NOR, DUAL	DIL16P	-3+1V	75C	-	1MXMHZ	-	TII	OBSOLETE
ECL2536	ECL	LSH	LEVEL SHIFT, TTL-ECL, DUAL	DIL16P	-3+1V	75C	-	1MXMHZ	-	TII	OBSOLETE
ECL2537	ECL	LSH	LEVEL SHIFT, ECL-TTL, DUAL	DIL16P	-3+1V	75C	-	1MXMHZ	-	TII	OBSOLETE
ECL2540	ECL	FFJ	FF/JK, LATCH, DUAL	DIL16P	-3+1V	75C	-	2.5MXNS	-	TII	OBSOLETE
ECL2541	ECL	FFJ	FF/JK, RS, DUAL	DIL16P	-3+1V	75C	-	2.5TPNS	-	TII	OBSOLETE
ECL2542	ECL	FFJ	FF/JK, RS, DUAL	DIL16P	-3+1V	75C	-	2.5TPNS	-	TII	OBSOLETE
F95H00 SERIES	ECL	-	ALTERNATE NOS FOR 95H00 SERIES	-	-5.2V	VAR	-	-	-	FAS	-
F95L00 SERIES	ECL	-	ALTERNATE NOS FOR 95L00 SERIES	-	-5.2V	VAR	-	-	-	FAS	-
F4000 SERIES	CMS	VAR	ALTERNATE CODE FOR FAS 4000 SR	-	-	-	-	-	-	FAS	4000 SER(FAS)
F4500	CMS	VAR	ALTERNATE NO. 4500 SERIES	-	-	-	-	-	-	FAS	CD4500 SERIES
F4700B SERIES	CMS	VAR	ALTERNATE NO. FOR 4700B SERIES	-	-	-	-	-	-	FAS	4700B SERIES
F5403FM	TTL	NAN	NAND, 2IP, OC OP, QUAD	FLP14	+5V	125	22MA	45MXNS	N001	FAS	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
F9500 SERIES	ECL	-	ALTERNATE NOS FOR 9500 SERIES	-	-5.2V	VAR	-	-	-	FAS	-
F10000 SERIES	ECL	-	ALTERNATE NOS FOR 10000 SERIES	-	-5.2V	-	-	-	-	FAS	-
F10000DC	ECL	-	CER DIL 75C VERSN 10000 ECL SR	DIL--C	-5.2V	75C	-	-	-	FAS	-
F10000DM SER	ECL	-	CER DIL 125C VRSN 10000 ECL SR	DIL--C	-5.2V	125	-	-	-	FAS	-
F10000FC	ECL	-	FLAT PK 75C VERSN 10000 ECL SR	FLP---	-5.2V	75C	-	-	-	FAS	-
F10000FM SER	ECL	-	FLAT PK 125C VRSN 10000 ECL SR	FLP---	-5 2V	125	-	-	-	FAS	-
F10000PC	ECL	-	PLAS DIL 75C VRSN 10000 ECL SR	DIL--P	-5.2V	75C	-	-	-	FAS	-
F10100 SERIES	ECL	-	ALTERNATE NOS FOR 10100 SERIES	-	-5.2V	85C	-	-	-	FAS	MC10100 SER
F10100DC SER	ECL	-	CER DIL VERSN OF F10100 SERIES	DIL--C	-5.2V	75C	-	-	-	FAS	MC10100L SER
F10100FC SER	ECL	-	FLAT PK VERSN OF F10100 SERIES	FLP---	-5.2V	75C	-	-	-	FAS	-
F10100PC SER	ECL	-	PLAS DIL VRSN OF F10100 SERIES	DIL--P	-5 2V	75C	-	-	-	FAS	MC10100P SER
F10200DC SER	ECL	-	CER DIL VERSN OF F10200 SERIES	DIL--C	-5 2V	75C	-	-	-	FAS	MC10200L SER
F10200FC SER	ECL	-	FLAT PK VERSN OF F10200 SERIES	FLP---	-5 2V	75C	-	-	-	FAS	-
F10200PC	ECL	-	PLAS DIL VRSN OF F10200 SERIES	DIL--P	-5.2V	75C	-	-	-	FAS	MC10200P SER
F10400DC	ECL	-	CER DIL VRSN OF F10400 SERIES	DIL--C	-5 2V	85C	-	-	-	FAS	MCM10400L
F10400FC	ECL	-	FLAT PK VRSN OF F10400 SERIES	FLP---	-5 2V	85C	-	-	-	FAS	-
F10400PC	ECL	-	PLAS DIL VRSN OF F10400 SERIES	DIL--P	-5.2V	85C	-	-	-	FAS	MCM10400P
F10500DM	ECL	-	CER DIL VERSN OF F10500 SERIES	DIL--C	-5.2V	125	-	-	-	FAS	MC10500L SER
F10500FM	ECL		FLAT PK VERSN OF F10100 SERIES	FLP---	-5 2V	125	-	-	-	FAS	-
F10600DM	ECL	-	CER DIL VERSN OF F10600 SERIES	DIL--C	-5 2V	125	-	-	-	FAS	MC10600L SER
F10600FM	ECL	-	FLAT PK VERSN OF F10600 SERIES	FLP---	-5.2V	125	-	-	-	FAS	-
F40000 SERIES	CMS	VAR	ALTERNATE NOS FOR 40000 SERIES	-	-	-	-	-	-	FAS	40000 SERIES
F40100 SERIES	CMS		ALTERNATE CODE NO 40100 SER	-	-	VAR	-	-	-	FAS	CD40100 SER
F95000 SERIES	ECL	-	ALTERNATE NOS FOR 95000 SERIES	-	-5 2V	VAR	-	-	-	FAS	-
F100100 SER	ECL	-	PROPRIETARY ECL SERIES	-	-5.2V	75C	-	-	-	FAS	-
F100100DC SER	ECL	-	CER DIL VERSN OF F100100 SER	DIL24C	-5.2V	75C	-	-	-	FAS	-
F100100FC SER	ECL	-	4-SIDED FLP VERSN F100100 SER	24LEAD	-5.2V	75C	-	-	-	FAS	-
F100101	ECL	ORN	OR/NOR 5IP, TRIPLE	24LEAD	-4.5V	75C	38MA	0.95MXNS	Z999	FAS	-
F100102	ECL	ORN	OR/NOR, 2IP, QUINT	24LEAD	-4.5V	75C	80MA	0.95MXNS	Z999	FAS	-
F100107	ECL	XON	XOR/XNOR, 2IP QUINT	24LEAD	-4 5V	75C	96MA	1.55MXNS	Z999	FAS	-
F100112	ECL	DVR	DRIVER, 2 OR 2 NOR OP, QUAD	24LEAD	-4.5V	75C	106MA	1 7MXNS	Z999	FAS	-
F100114	ECL	RCV	LINE RECEIVER, DIFFL , QUINT	24LEAD	-4 5V	75C	106MA	2.2MXNS	Z999	FAS	-
F100117	ECL	AOI	OA/OAI, 2 WIDE, TRIPLE	24LEAD	-4.5V	75C	79MA	2.3MXNS	Z999	FAS	-
F100118	ECL	AOI	OA/OAI, 5 WIDE, 5-4-4-4-2 IP	24LEAD	-4.5V	75C	57MA	2.5MXNS	Z999	FAS	-
F100122	ECL	BUF	BUFFER, 9 BIT	24LEAD	-4.5V	75C	120MA	0 75TPNS	Z999	FAS	-
F100123	ECL	LND	DRIVER, BUS HEX	24LEAD	-4.5V	75C	235MA	1.9MXNS	Z999	FAS	-
F100130	ECL	LCH	LATCH, D TYPE, TRIPLE	24LEAD	-4.5V	75C	149MA	1.1MXNS	Z999	FAS	-
F100131	ECL	FFD	FF/D, MASTER SLAVE, TRIPLE	24LEAD	-4.5V	75C	149MA	1.65MXNS	Z999	FAS	-
F100136	ECL	CTR	COUNTER/SHIFT REG,4 STAGE, L/R	24LEAD	-4.5V	75C	283MA	300MXMHZ	Z999	FAS	-
F100141	ECL	SRG	SHIFT REGISTER 8 BIT, L/R	24LEAD	-4.5V	75C	238MA	380MXMHZ	Z999	FAS	-
F100142	ECL	MEM	CAM, 4X4 BIT	24LEAD	-4.5V	75C	-	-	Z999	FAS	-
F100145	ECL	REG	REGISTER FILE,READ/WRITE,16X4B	24LEAD	-4.5V	75C	-	-	Z999	FAS	-
F100150	ECL	LCH	LATCH, D TYPE HEX	24LEAD	-4.5V	75C	159MA	1.5MXNS	Z999	FAS	-
F100151	ECL	FFD	FF/D, MASTER SLAVE, HEX	24LEAD	-4.5V	75C	198MA	2.1MXNS	Z999	FAS	-
F100155	ECL	MUX	MULTIPLEXER, LATCH, QUAD-	24LEAD	-4.5V	75C	133MA	1.55MXNS	Z999	FAS	-
F100156	ECL	XXX	MASK MERGE CIRCUIT	24LEAD	-4.5V	75C	214MA	1.1TPNS	Z999	FAS	-
F100158	ECL	XXX	SHIFT MATRIX, 8 BIT	24LEAD	-4.5V	75C	168MA	2.7MXNS	Z999	FAS	-
F100160	ECL	PAR	PARITY GEN/CHECKER, 9 BIT,DUAL	24LEAD	-4.5V	75C	115MA	3.9MXNS	Z999	FAS	-
F100163	ECL	MUX	MULTIPLEXER, 8 IP, DUAL	24LEAD	-4.5V	75C	153MA	1.7MXNS	Z999	FAS	-
F100164	ECL	MUX	MULTIPLEXER, 16 IP	24LEAD	-4.5V	75C	98MA	2.15MXNS	Z999	FAS	-
F100165	ECL	ENC	ENCODER UNIVERSL,PRIORITY,8IP	24LEAD	-4.5V	75C	154MA	3.9MXNS	Z999	FAS	-
F100166	ECL	CMP	COMPARATOR, MAGNITUDE, 9 BIT	24LEAD	-4.5V	75C	238MA	4.3MXNS	Z999	FAS	-
F100170	ECL	DCD	DECODER/DEMUX,UNIV,2X1 OF 4	24LEAD	-4.5V	75C	153MA	2.05MXNS	Z999	FAS	-
F100171	ECL	MUX	MULTIPLEXER, 4IP, ENABL,TRIPLE	24LEAD	-4.5V	75C	114MA	1.5MXNS	Z999	FAS	-
F100179	ECL	LAC	LOOK AHEAD CARRY GENERATOR	24LEAD	-4.5V	75C	231MA	3.3MXNS	Z999	FAS	-
F100180	ECL	ADD	ADDER, FULL, 6 BIT, FAST	24LEAD	-4.5V	75C	300MA	2TPNS	Z999	FAS	-
F100181	ECL	ALU	ARITHMETIC LOGIC UNIT, 4BT,BCD	24LEAD	-4 5V	75C	240MA	4.3MXNS	Z999	FAS	-
F100182	ECL	ADD	ADDER, FULL. WALLACE TREE	24LEAD	-4.5V	75C	-	-	Z999	FAS	-
F100183	ECL	MLT	MULTIPLIER, 2S COMP, PARALLEL	24LEAD	-4.5V	75C	-	-	Z999	FAS	-
F100194	ECL	TRX	TRNSCVR, DUPLEX BUS DRVR,QUINT	24LEAD	-4.5V	75C	263MA	0.90TPNS	Z999	FAS	-
F100400 SER	ECL	MEM	PROPRIETARY ECL MEMORY SERIES	-	-5.2V	75C	-	-	-	FAS	-
F100400DC SER	ECL	-	CER DIL VERSN OF F100400 SER.	DIL16C	-5.2V	75C	-	-	-	FAS	-
F100400FC SER	ECL	-	4-SIDED FLP VERSN F100400 SER.	16LEAD	-5.2V	75C	-	-	-	FAS	-
F100414	ECL	MEM	RAM, 256=256X1BT,FULLY DECODED	16LEAD	-4.5V	75C	140MA	6MXNS	Z999	FAS	-
F100415	ECL	MEM	RAM, 256=256X1BT,FULLY,DECODED	16LEAD	-4.5V	75C	150MA	20MXNS	Z999	FAS	-
F100416	ECL	MEM	PROM, 1K=256X4BT	16LEAD	-4.5V	75C	150MA	20MXNS	Z999	FAS	-
F100422	ECL	MEM	RAM, 1K=256X4BT	24LEAD	-4.5V	85C	-	-	Z999	FAS	-
F100470	ECL	MEM	RAM, 4K=4096X1BT	18LEAD	-4.5V	85C	195MA	35MXNS	Z999	FAS	-
FCH000 SERIES	DTL	-	PACK SUFFIX D1=DIL14, E2=FLP14	-	+6V	-	-	-	-	PHI	-
FCH101	DTL	NAN	NAND,8IP + 2EXP., OC OP	DIL14C	+6V	75C	[illegible]	85MXNS	-	PHI	-
FCH102	DTL	NAN	NAND 8IP + 2EXP., OC OP	DIL14C	+6V	125	[illegible]	85MXNS	-	PHI	-
FCH111	DTL	NAN	NAND,8IP + 2EXP.	DIL14C	+6V	75C	11MW	85MXNS	-	PHI	-
FCH112	DTL	NAN	NAND,8IP + 2EXP	DIL14C	+6V	125	11MW	85MXNS	-	PHI	-
FCH121	DTL	NAN	NAND,5IP, DUAL	DIL14C	+6V	75C	14MW	85MXNS	-	PHI	-
FCH122	DTL	NOR	NOR, 5IP, DUAL	DIL14C	+6V	125	14MW	85MXNS	-	PHI	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
FCH131	DTL	NAN	NAND,5IP, OC OP, DUAL	DIL14C	+6V	75C	22MW	85MXNS	-	PHI	-
FCH132	DTL	NAN	NAND,5IP, DUAL	DIL14C	+6V	125	22MW	85MXNS	-	PHI	-
FCH141	DTL	NAN	NAWD,3IP, OC OP, TRIPLE	DIL14C	+6V	75C	21MW	85MXNS	-	PHI	-
FCH142	DTL	NAN	NAND 3IP, OC OP, TRIPLE	DIL14C	+6V	125	21MW	85MXNS	-	PHI	-
FCH151	DTL	NAN	NAND,3IP, OC OP, TRIPLE	DIL14C	+6V	75C	21MW	85MXNS	-	PHI	-
FCH152	DTL	NAN	NAND,3IP, OC OP, TRIPLE	DIL14C	+6V	125	21MW	85MXNS	-	PHI	-
FCH161	DTL	NAN	NAND,3IP, TRIPLE	DIL14C	+6V	75C	33MW	85MXNS	-	PHI	-
FCH162	DTL	NAN	NAND,3IP, TRIPLE	DIL14C	+6V	125	33MW	85MXNS	-	PHI	-
FCH171	DTL	NAN	NAND,3IP, TRIPLE	DIL14C	+6V	75C	33MW	85MXNS	-	PHI	-
FCH172	DTL	NAN	NAND,3IP, TRIPLE	DIL14C	+6V	125	33MW	85MXNS	-	PHI	-
FCH181	DTL	NAN	NAND,2IP, OC OP,QUAD	DIL14C	+6V	75C	28MW	85MXNS	-	PHI	-
FCH182	DTL	NAN	NAND,2IP, OC OP, QUAD	DIL14C	+6V	125	28MW	85MXNS	-	PHI	-
FCH191	DTL	NAN	NAND,2IP, QUAD	DIL14C	+6V	75C	44MW	85MXNS	-	PHI	-
FCH192	DTL	NAN	NAND,2IP, QUAD	DIL14C	+6V	125	28MW	85MXNS	-	PHI	-
FCH201	DTL	INV	INVERTER, NAND/NOR, OC OP, HEX	FLP14	+6V	75C	42MW	-	-	PHI	
FCH202	DTL	INV	INVERTER, NAND/NOR, OC OP, HEX	FLP14	+6V	125	42MW	-	-	PHI	
FCH211	DTL	INV	INVERTER, NAND/NOR, HEX	FLP14	+6V	75C	66MW	-	-	PHI	
FCH212	DTL	INV	INVERTER, NAND/NOR, HEX	FLP14	+6V	125	66MW	-	-	PHI	
FCH221	DTL	NOR	NOR, 3IP, DUAL	DIL14C	+6V	75C	22MW	100MXNS	-	PHI	-
FCH222	DTL	NOR	NOR, 3IP, DUAL	DIL14C	+6V	125	22MW	100MXNS	-	PHI	-
FCH231	DTL	NAN	NAND, 4IP, 1EXP, DUAL	DIL14C	+6V	75C	24MA	93MXNS	-	PHI	-
FCH232	DTL	NAN	NAND, 4IP, 1EXP, DUAL	DIL14C	+65	125	24MA	93MXNS	-	PHI	-
FCH301	DTL	DCD	DECODER, BINARY TO DECIMAL	DIL16P	+6V	75C	250MW	45MXNS	-	PHI	-
FCH302	DTL	DCD	DECODER, BINARY TO DECIMAL	DIL16P	+6V	125	250MW	45MXNS	-	PHI	-
FCJ000 SERIES	DTL	-	PACK SUFFIX D1=DIL14, E2=FLP14				-				
FCJ101	DTL	FFJ	FF/JK	DIL14C	+6V	75C	81MW	5MXMHZ	-	PHI	-
FCJ102	DTL	FFJ	FF/JK	DIL14C	+6V	125	81MW	5MXMHZ	-	PHI	-
FCJ111	DTL	FFJ	FF/JK	DIL14C	+6V	75C	73MW	3MXMHZ	-	PHI	-
FCJ112	DTL	FFJ	FF/JK	DIL14C	+6V	125	73MW	3MXMHZ	-	PHI	-
FCJ121	DTL	FFJ	FF/JK	DIL14C	+6V	75C	100MW	5MXMHZ	-	PHI	-
FCJ122	DTL	FFJ	FF/JK	DIL14C	+6V	125	100MW	5MXMHZ	-	PHI	-
FCJ131	DTL	FFJ	FF/JK, DUAL	DIL14C	+6V	75C	100MW	7MXMHZ	-	PHI	-
FCJ132	DTL	FFJ	FF/JK, DUAL	DIL14C	+6V	125	100MW	7MXMHZ	-	PHI	-
FCJ141	DTL	CTR	COUNTER, BINARY, 4 BIT	DIL14P	+6V	75C	300MW	7MXMHZ	-	PHI	-
FCJ142	DTL	CTR	COUNTER, BINARY, 4 BIT	DIL14P	+6V	125	300MW	7MXMHZ	-	PHI	-
FCJ191	DTL	FFJ	FF/JK, DUAL	DIL14C	+6V	75C	100MW	7MXMHZ	-	PHI	-
FCJ192	DTL	FFJ	FF/JK, DUAL	DIL14C	+6V	125	100MW	7MXMHZ	-	PHI	-
FCJ201	DTL	FFJ	FF/JK, DUAL	DIL14C	+6V	75C	-	-	-	PHI	-
FCJ202	DTL	FFJ	FF/JK, DUAL	DIL14C	+6V	125	-	-	-	PHI	-
FCJ211	DTL	FFJ	FF/JK, DUAL	DIL14C	+6V	75C	100MW	7MXMHZ	-	PHI	-
FCJ212	DTL	FFJ	FF/JK, DUAL	DIL14C	+6V	125	100MW	7MXMHZ	-	PHI	-
FCJ221	DTL	FFD	FF/D , QUAD	DIL16P	+6V	75C	300MW	5MXMHZ	-	PHI	-
FCJ222	DTL	FFD	FF/D, QUAD	DIL16C	+5V	125	300MW	5MXMHZ	-	PHI	-
FCK000 SERIES	DTL	-	PACK SUFFIX D1=DIL14, E2=FLP14				-				
FCK101	DTL	MON	MONOSTABLE MULTI	DIL14C	+6V	75C	110MW	100MXNS	-	PHI	-
FCK102	DTL	MON	MONOSTABLE MULTI	DIL14C	+6V	125	110MW	100MXNS	-	PHI	-
FCK102Q	DTL	MON	MONOSTABLE MULTI	DIL14C	+6V	125	110MW	100MXNS	-	PHI	-
FCK111	DTL	MON	MONOSTABLE MULTI	DIL14P	+6V	75C	200MW	200MXNS	-	PHI	-
FCK112	DTL	MON	MONOSTABLE MULTI	DIL14C	+5V	125	200MW	200MXNS	-	PHI	-
FCL000 SERIES	DTL	-	PACK SUFFIX D1=DIL14, E2=FLP14				-	-	-	PHI	-
FCL101	DTL	SCH	SCHMITT TRIGGER	FLP14	+6V	75C	19MW	-	-	PHI	-
FCL102	DTL	SCH	SCHMITT TRIGGER	FLP14	+6V	125	19MW	-	-	PHI	-
FCL111	DTL	DCD	DECODER, BINARY TO DECIMAL	DIL16P	+6V	75C	125MW	-	-	PHI	-
FCL112	DTL	DCD	DECODER, BINARY TO DECIMAL	DIL16P	+6V	125	125MW	-	-	PHI	-
FCY000 SERIES	DTL	-	PACK SUFFIX D1=DIL14, E2=FLP14				-	-	-	PHI	-
FCY101	DTL	EXP	EXPANDER, GATE, TRIPLE	DIL14C	+6V	75C	-	-	-	PHI	-
FCY102	DTL	EXP	EXPANDER, GATE, TRIPLE	DIL14C	+6V	125	-	-	-	PHI	-
FLH101	TTL	NAN	NAND, 2IP, QUAD	DIL14P	+5V	70C	22MA	22MXNS	N001	SIE	SN7400N
FLH101-7400	TTL	NAN	NAND, 2IP, QUAD	DIL14P	+5V	70C	22MA	22MXNS	N001	SIE	SN7400N
FLH105	TTL	NAN	NAND, 2IP, QUAD	DIL14P	+5V	85C	22MA	22MXNS	N001	SIE	SN8400N
FLH105-8400	TTL	NAN	NAND, 2IP, QUAD	DIL14P	+5V	85C	22MA	22MXNS	N001	SIE	SN8400N
FLH111	TTL	NAN	NAND, 3IP, TRIPLE	DIL14P	+5V	70C	16MA	22MXNS	N004	SIE	SN7410N
FLH111-7410	TTL	NAN	NAND, 3IP, TRIPLE	DIL14P	+5V	70C	16MA	22MXNS	N004	SIE	SN7410N
FLH115	TTL	NAN	NAND, 3IP, TRIPLE	DIL14P	+5V	85C	16MA	22MXNS	N004	SIE	SN8410N
FLH115-8410	TTL	NAN	NAND, 3IP, TRIPLE	DIL14P	+5V	85C	16MA	22MXNS	N004	SIE	SN8410N
FLH121	TTL	NAN	NAND, 4IP, DUAL	DIL14P	+5V	70C	11MA	22MXNS	N008	SIE	SN7420N
FLH121-7420	TTL	NAN	NAND, 4IP, DUAL	DIL14P	+5V	70C	11MA	22MXNS	N008	SIE	SN7420N
FLH125	TTL	NAN	NAND, 4IP, DUAL	DIL14P	+5V	85C	11MA	22MXNS	N008	SIE	SN8420N
FLH125-8420	TTL	NAN	NAND, 4IP, DUAL	DIL14P	+5V	85C	11MA	22MXNS	N008	SIE	SN8420N
FLH131	TTL	NAN	NAND, 8IP	DIL14P	+5V	70C	6MA	22MXNS	N010	SIE	SN7430N
FLH131-7430	TTL	NAN	NAND, 8IP	DIL14P	+5V	70C	6MA	22MXNS	N010	SIE	SN7430N
FLH135	TTL	NAN	NAND, 8IP	DIL14P	+5V	85C	6MA	22MXNS	N010	SIE	SN8430N
FLH135-8430	TTL	NAN	NAND, 8IP	DIL14P	+5V	85C	6MA	22MXNS	N010	SIE	SN8430N
FLH141	TTL	NAN	NAND, BUFFER, 4IP, DUAL	DIL14P	+5V	70C	27MA	22MXNS	N008	SIE	SN7440N
FLH141-7440	TTL	NAN	NAND, BUFFER, 4IP, DUAL	DIL14P	+5V	70C	27MA	22MXNS	N008	SIE	SN7440N

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAK ER	SUBSTITUTE
FLH145	TTL	NAN	NAND, BUFFER, 4IP, DUAL	DIL14P	+5V	85C	27MA	22MXNS	N008	SIE	SN8440N
FLH145-8440	TTL	NAN	NAND, BUFFER, 4IP, DUAL	DIL14P	+5V	85C	27MA	22MXNS	N008	SIE	SN8440N
FLH151	TTL	AOI	AOI, 2IP(1EXPDBLE) 2WIDE, DUAL	DIL14P	+5V	70C	14MA	22MXNS	Y001	SIE	SN7450N
FLH151-7450	TTL	AOI	AOI, 2IP(1EXPDBLE) 2WIDE, DUAL	DIL14P	+5V	70C	14MA	22MXNS	Y001	SIE	SN7450N
FLH155	TTL	AOI	AOI, 2IP(1EXPDBLE) 2WIDE, DUAL	DIL14P	+5V	85C	14MA	22MXNS	Y001	SIE	SN8450N
FLH155-8450	TTL	AOI	AOI, 2IP(1EXPDBLE) 2WIDE, DUAL	DIL14P	+5V	85C	14MA	22MXNS	Y001	SIE	SN8450N
FLH161	TTL	AOI	AOI, 2IP, 2WIDE, DUAL	DIL14P	+5V	70C	14MA	15MXNS	Y004	SIE	SN7451N
FLH161-7451	TTL	AOI	AOI, 2IP, 2WIDE, DUAL	DIL14P	+5V	70C	14MA	15MXNS	Y004	SIE	SN7451N
FLH165	TTL	AOI	AOI, 2IP, 2WIDE, DUAL	DIL14P	+5V	85C	14MA	15MXNS	Y004	SIE	SN8451N
FLH165-8451	TTL	AOI	AOI, 2IP, 2WIDE, DUAL	DIL14P	+5V	85C	14MA	15MXNS	Y004	SIE	SN8451N
FLH171	TTL	AOI	AND/OR INVERT,2-2-2-3IP,EXPDBL	DIL14P	+5V	70C	9.5MA	22MXNS	Y009	SIE	SN7453N
FLH171-7453	TTL	AOI	AND/OR INVERT,2-2-2-3IP,EXPDBL	DIL14P	+5V	70C	9.5MA	22MXNS	Y009	SIE	SN7453N
FLH175	TTL	AOI	AND/OR INVERT,2-2-2-3IP,EXPDBL	DIL14P	+5V	85C	9.5MA	22MXNS	Y009	SIE	SN8453N
FLH175-8453	TTL	AOI	AND/OR INVERT,2-2-2-3IP,EXPDBL	DIL14P	+5V	85C	9.5MA	22MXNS	Y009	SIE	SN8453N
FLH181	TTL	AOI	AND/OR INVERT,2-2-2-3IP	DIL14P	+5V	70C	9.5MA	22MXNS	Y013	SIE	SN7454N
FLH181-7454	TTL	AOI	AND/OR INVERT,2-2-2-3IP	DIL14P	+5V	70C	9.5MA	22MXNS	Y013	SIE	SN7454N
FLH185	TTL	AOI	AND/OR INVERT,2-2-2-3IP	DIL14P	+5V	85C	9.5MA	22MXNS	Y013	SIE	SN8454N
FLH185-8454	TTL	AOI	AND/OR INVERT,2-2-2-3IP	DIL14P	+5V	85C	9.5MA	22MXNS	Y013	SIE	SN8454N
FLH191	TTL	NOR	NOR, 2IP, QUAD	DIL14P	+5V	70C	27MA	15MXNS	Q001	SIE	SN7402N
FLH191-7402	TTL	NOR	NOR, 2IP, QUAD	DIL14P	+5V	70C	27MA	15MXNS	Q001	SIE	SN7402N
FLH191S	TTL	NOR	NOR, 2IP, QUAD	DIL14P	+5V	70C	27MA	15MXNS	Q001	SIE	SN7402S1N
FLH191S7402S1	TTL	NOR	NOR, 2IP, QUAD	DIL14P	+5V	70C	27MA	15MXNS	Q001	SIE	SN7402S1N
FLH195	TTL	NOR	NOR, 2IP, QUAD	DIL14P	+5V	85C	27MA	15MXNS	Q001	SIE	SN8402N
FLH195-8402	TTL	NOR	NOR, 2IP, QUAD	DIL14P	+5V	85C	27MA	15MXNS	Q001	SIE	SN8402N
FLH195S	TTL	NOR	NOR, 2IP, QUAD	DIL14P	+5V	85C	27MA	15MXNS	Q001	SIE	SN8402S1N
FLH195S8402S1	TTL	NOR	NOR, 2IP, QUAD	DIL14P	+5V	85C	27MA	15MXNS	Q001	SIE	SN7402S1N
FLH201	TTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	70C	22MA	45MXNS	N003	SIE	SN7401N
FLH201-7401	TTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	70C	22MA	45MXNS	N003	SIE	SN7401N
FLH201S	TTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	70C	22MA	45MXNS	N003	SIE	SN7401S1N
FLH201T	TTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	70C	22MA	45MXNS	N003	SIE	SN7401S3N
FLH201S7401S1	TTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	70C	22MA	45MXNS	N003	SIE	SN7401S1N
FLH201T7401S3	TTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	70C	22MA	45MXNS	N003	SIE	SN7401S3N
FLH205	TTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	85C	22MA	45MXNS	N003	SIE	SN8401N
FLH205-8401	TTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	85C	22MA	45MXNS	N003	SIE	SN8401N
FLH205S	TTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	85C	22MA	45MXNS	N003	SIE	SN8401S1N
FLH205S8401S1	TTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	85C	22MA	45MXNS	N003	SIE	SN8401S1N
FLH205T	TTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	85C	22MA	45MXNS	N003	SIE	SN8401S3N
FLH205T8401S3	TTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	85C	22MA	45MXNS	N003	SIE	SN8401S3N
FLH211	TTL	INV	INVERTER, HEX	DIL14P	+5V	70C	33MA	22MXNS	I001	SIE	SN7404N
FLH215	TTL	INV	INVERTER, HEX	DIL14P	+5V	85C	33MA	22MXNS	I001	SIE	SN8404N
FLH221	TTL	ADD	ADDER, FULL,1 BIT,BINARY,GATED	DIL14P	+5V	70C	35MA	80MXNS	Z001	SIE	SN7480N
FLH225	TTL	ADD	ADDER, FULL,1 BIT,BINARY,GATED	DIL14P	+5V	85C	35MA	80MXNS	Z001	SIE	SN8480N
FLH231	TTL	ADD	ADDER, FULL, 2 BIT BINARY	DIL14P	+5V	70C	58MA	42MXNS	Z003	SIE	SN7482N
FLJ235	TTL	ADD	ADDER, FULL, 2 BIT BINARY	DIL14P	+5V	85C	58MA	42MXNS	Z003	SIE	SN8482N
FLH241	TTL	ADD	ADDER,FULL,4BT BINARY,FST CRRY	DIL16P	+5V	70C	110MA	24MXNS	Z004	SIE	SN7483N
FLH245	TTL	ADD	ADDER,FULL,4BT BINARY,FST CRRY	DIL16P	+5V	70C	110MA	24MXNS	Z004	SIE	SN8483N
FLH251	TTL	NAN	NAND X2 + INVERTER X4	DIL16P	+5V	70C	80MW	22MXNS	N025	SIE	TL4929
FLH251-4929	TTL	NAN	NAND X2 + INVERTER X4	DIL16P	+5V	70C	80MW	22MXNS	N025	SIE	TL4929
FLH255	TTL	NAN	NAND X2 + INVERTER X4	DIL16P	+5V	85C	80MW	22MXNS	N025	SIE	TL49829
FLH255-49829	TTL	NAN	NAND X2 + INVERTER X4	DIL16P	+5V	85C	80MW	22MXNS	N025	SIE	TL49829
FLH271	TTL	INV	INVERTER, OC OP, HEX	DIL14P	+5V	70C	33MA	55MXNS	I001	SIE	SN7405N
FLH271S	TTL	INV	INVERTER, OC OP, HEX	DIL14P	+5V	70C	33MA	55MXNS	I001	SIE	SN7405N
FLH271T	TTL	INV	INVERTER, OC OP, HEX	DIL14P	+5V	70C	33MA	55MXNS	I001	SIE	SN7405N
FLH275	TTL	INV	INVERTER, OC OP, HEX	DIL14P	+5V	85C	33MA	55MXNS	I001	SIE	SN8405N
FLH275S	TTL	INV	INVERTER, OC OP, HEX	DIL14P	+5V	85C	33MA	55MXNS	I001	SIE	SN8405N
FLH275T	TTL	INV	INVERTER, OC OP, HEX	DIL14P	+5V	85C	33MA	55MXNS	I001	SIE	SN8405N
FLH281	TTL	DCD	DECODER, BCD-DECIMAL,4-10 LINE	DIL16P	+5V	70C	56MA	30MXNS	D001	SIE	SN7442AN
FLH281-7442	TTL	DCD	DECODER, BCD-DECIMAL,4-10 LINE	DIL16P	+5V	70C	56MA	30MXNS	D001	SIE	SN7442AN
FLH285	TTL	DCD	DECODER, BCD-DECIMAL,4-10 LINE	DIL16P	+5V	85C	56MA	30MXNS	D001	SIE	SN8442AN
FLH285-8442	TTL	DCD	DECODER, BCD-DECIMAL,4-10 LINE	DIL16P	+5V	85C	56MA	30MXNS	D001	SIE	SN8442AN
FLH291	TTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	70C	22MA	45MXNS	N001	SIE	SN7403N
FLH291-7403	TTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	70C	22MA	45MXNS	N001	SIE	SN7403N
FLH291S	TTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	70C	22MA	45MXNS	N001	SIE	SN7403S1N
FLH291S7403S1	TTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	70C	22MA	45MXNS	N001	SIE	SN7403S1N
FLH291T	TTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	70C	22MA	45MXNS	N001	SIE	SN7403S3N
FLH291T7403S3	TTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	70C	22MA	45MXNS	N001	SIE	SN7403S3N
FLH291O	TTL	NAN	NAND, 2IP, OC 15V OP, QUAD	DIL14P	+5V	70C	22MA	24MXNS	N001	SIE	SN7426N
FLH291U7426	TTL	NAN	NAND, 2IP, OC 15V OP, QUAD	DIL14P	+5V	70C	22MA	24MXNS	N001	SIE	SN7426N
FLH295	TTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	85C	22MA	45MXNS	N001	SIE	SN8403N
FLH295-8403	TTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	85C	22MA	45MXNS	N001	SIE	SN8403N
FLH295S	TTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	85C	22MA	45MXNS	N001	SIE	SN8403S1N
FLH295S8403S1	TTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	85C	22MA	45MXNS	N001	SIE	SN8403S1N
FLH295T	TTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	85C	22MA	45MXNS	N001	SIE	SN8403S3N
FLH295T8403S3	TTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	85C	22MA	45MXNS	N001	SIE	SN8403S3N
FLH295U	TTL	NAN	NAND, 2IP, OC 15V OP, QUAD	DIL14P	+5V	85C	22MA	24MXNS	N001	SIE	SN8426N

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
FLH295U8426	TTL	NAN	NAND, 2IP, OC 15V OP, QUAD	DIL14P	+5V	85C	22MA	24MXNS	N001	SIE	SN8426N
FLH311	TTL	CMP	COMPARATOR, 4 BIT, 14 LEAD	DIL14P	+5V	70C	-	-	-	SIE	OBSOLETE
FLH321	TTL	NAN	NAND, DRIVER, QUAD	DIL14P	+5V	70C	80MW	22MXNS	N026	SIE	TL4930
FLH321-4930	TTL	NAN	NAND, DRIVER, QUAD	DIL14P	+5V	70C	80MW	22MXNS	N026	SIE	TL4930
FLH325	TTL	NAN	NAND, DRIVER, QUAD	DIL14P	+5V	85C	80MW	22MXNS	N026	SIE	TL49830
FLH325-49830	TTL	NAN	NAND, DRIVER, QUAD	DIL14P	+5V	85C	80MW	22MXNS	N026	SIE	TL49830
FLH331	TTL	NAN	NAND, 5IP, DUAL	DIL14P	+5V	70C	20MW	22MXNS	N027	SIE	TL4931
FLH331-4931	TTL	NAN	NAND, 5IP, DUAL	DIL14P	+5V	70C	20MW	22MXNS	N027	SIE	TL4931
FLH335	TTL	NAN	NAND, 5IP, DUAL	DIL14P	+5V	85C	20MW	22MXNS	N027	SIE	TL49831
FLH335-49831	TTL	NAN	NAND, 5IP, DUAL	DIL14P	+5V	85C	20MW	22MXNS	N027	SIE	TL49831
FLH341	TTL	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14P	+5V	70C	50MA	30MXNS	X001	SIE	SN7486N
FLH341-7486	TTL	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14P	+5V	70C	50MA	30MXNS	X001	SIE	SN7486N
FLH345	TTL	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14P	+5V	85C	50MA	30MXNS	X001	SIE	SN8486N
FLH345-8486	TTL	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14P	+5V	85C	50MA	30MXNS	X001	SIE	SN8486N
FLH351	TTL	NAN	NAND, 4IP, SCHMITT, DUAL	DIL14P	+5V	70C	32MA	27MXNS	N007	SIE	SN7413N
FLH355	TTL	NAN	NAND, 4IP, SCHMITT, DUAL	DIL14P	+5V	85C	32MA	27MXNS	N007	SIE	SN8413N
FLH361	TTL	DCD	DECODER, EXC.3-DECIMAL,4-10 LN	DIL16P	+5V	70C	56MA	30MXNS	D001	SIE	SN7443AN
FLH361-7443	TTL	DCD	DECODER, EXC.3-DECIMAL,4-10 LN	DIL16P	+5V	70C	56MA	30MXNS	D001	SIE	SN7443AN
FLH365	TTL	DCD	DECODER, EXC.3-DECIMAL,4-10 LN	DIL16P	+5V	85C	56MA	30MXNS	D001	SIE	SN8443AN
FLH365-8443	TTL	DCD	DECODER, EXC.3-DECIMAL,4-10 LN	DIL16P	+5V	85C	56MA	30MXNS	D001	SIE	SN8443AN
FLH371	TTL	DCD	DECODER,EXC.3 GRAY-DEC,4-10 LN	DIL16P	+5V	70C	56MA	30MXNS	D001	SIE	SN7444AN
FLH371-7444	TTL	DCD	DECODER,EXC.3 GRAY-DEC,4-10 LN	DIL16P	+5V	70C	56MA	30MXNS	D001	SIE	SN7444AN
FLH375	TTL	DCD	DECODER,EXC.3 GRAY-DEC,4-10 LN	DIL16P	+5V	85C	56MA	30MXNS	D001	SIE	SN8444AN
FLH375-8444	TTL	DCD	DECODER,EXC.3 GRAY-DEC,4-10 LN	DIL16P	+5V	85C	56MA	30MXNS	D001	SIE	SN8444AN
FLH381	TTL	AND	AND, 2IP, QUAD	DIL14P	+5V	70C	33MA	27MXNS	A001	SIE	SN7408N
FLH381-7408	TTL	AND	AND, 2IP, QUAD	DIL14P	+5V	70C	33MA	27MXNS	A001	SIE	SN7408N
FLH385	TTL	AND	AND, 2IP, QUAD	DIL14P	+5V	85C	33MA	27MXNS	A001	SIE	SN8408N
FLH385-8408	TTL	AND	AND, 2IP, QUAD	DIL14P	+5V	85C	33MA	27MXNS	A001	SIE	SN8408N
FLH391	TTL	AND	AND, 2IP, OC OP, QUAD	DIL14P	+5V	70C	33MA	32MXNS	A001	SIE	SN7409N
FLH391-7409	TTL	AND	AND, 2IP, OC OP, QUAD	DIL14P	+5V	75C	33MA	32MXNS	A001	SIE	SN7409N
FLH391T	TTL	AND	AND, 2IP, OC 15V OP, QUAD	DIL14P	+5V	75C	33MA	32MXNS	A001	SIE	SN7409N-S1
FLH391T7409S1	TTL	AND	AND, 2IP, OC 15V OP, QUAD	DIL14P	+5V	70C	33MA	32MXNS	A001	SIE	SN7409N-S1
FLH395	TTL	AND	AND, 2IP, OC OP, QUAD	DIL14P	+5V	85C	33MA	32MXNS	A001	SIE	SN8409N
FLH395-8409	TTL	AND	AND, 2IP, OC OP, QUAD	DIL14P	+5V	85C	33MA	32MXNS	A001	SIE	SN8409N
FLH395T	TTL	AND	AND, 2IP, OC 15V OP, QUAD	DIL14P	+5V	85C	33MA	32MXNS	A001	SIE	SN8409NS1
FLH395T8409S1	TTL	AND	AND, 2IP, OC 15V OP, QUAD	DIL14P	+5V	85C	33MA	32MXNS	A001	SIE	SN8409NSI
FLH401	TTL	ARI	ALU/FUNCTION-GENERATOR, 4 BIT	DIL24P	+5V	70C	37MA	38MXNS	Z010	SIE	SN74181N
FLH401-74181	TTL	ARI	ALU/FUNCTION-GENERATOR, 4 BIT	DIL24P	+5V	70C	37MA	38MXNS	Z010	SIE	SN74181N
FLH405	TTL	ARI	ALU/FUNCTION-GENERATOR, 4 BIT	DIL24P	+5V	85C	37MA	38MXNS	Z010	SIE	SN84181N
FLH411	TTL	LAC	LOOK AHEAD CARRY GENERATOR,4BT	DIL16P	+5V	70C	72MA	11MXNS	Z018	SIE	SN74182N
FLH411-74182	TTL	LAC	LOOK AHEAD CARRY GENERATOR,4BT	DIL16P	+5V	70C	72MA	11MXNS	Z018	SIE	SN74182N
FLH415	TTL	LAC	LOOK AHEAD CARRY GENERATOR,4BT	DIL16P	+5V	85C	72MA	11MXNS	Z018	SIE	SN84182N
FLH421	TTL	PAR	PARITY BIT GEN/CHECKER, 9 BIT	DIL14P	+5V	70C	56MA	68MXNS	Z009	SIE	SN74180N
FLH421-74180	TTL	PAR	PARITY BIT GEN/CHECKER, 9 BIT	DIL14P	+5V	70C	56MA	68MXNS	Z009	SIE	SN74180N
FLH425	TTL	PAR	PARITY BIT GEN/CHECKER, 9 BIT	DIL14P	+5V	85C	56MA	68MXNS	Z009	SIE	S84180N
FLH431	TTL	CMP	COMPARATOR, MAGNITUDE, 4 BIT	DIL16P	+5V	70C	88MA	35MXNS	Z005	SIE	SN7485N
FLH431-7485	TTL	CMP	COMPARATOR, MAGNITUDE, 4 BIT	DIL16P	+5V	70C	88MA	35MXNS	Z005	SIE	SN7485N
FLH435	TTL	CMP	COMPARATOR, MAGNITUDE, 4 BIT	DIL16P	+5V	85C	88MA	35MXNS	Z005	SIE	SN8485N
FLH441	HTL	XXX	TRUE/COMP,4BT,ZERO/ONE,ELEMENT	DIL14P	+5V	70C	89MA	25MXNS	Z006	SIE	SN74H87N
FLH441-74H87	HTL	XXX	TRUE/COMP,4BT,ZERO/ONE,ELEMENT	DIL14P	+5V	70C	89MA	25MXNS	Z006	SIE	SN74H87N
FLH445	HTL	XXX	TRUE/COMP,4BT,ZERO/ONE,ELEMENT	DIL14P	+5V	85C	89MA	25MXNS	Z006	SIE	SN84H87N
FLH445-84H87	HTL	XXX	TRUE/COMP,4BT,ZERO/ONE,ELEMENT	DIL14P	+5V	85C	89MA	25MXNS	Z006	SIE	SN84H87N
FLH451	HTL	ADD	ADDER, FULL,CARRY-SAVE, DUAL	DIL14P	+5V	70C	75MA	18MXNS	Z011	SIE	SN74H183N
FLH455	HTL	ADD	ADDER, FULL,CARRY-SAVE, DUAL	DIL14P	+5V	85C	75MA	18MXNS	Z011	SIE	SN84H183N
FLH461	TTL	INV	INVERTER, OC OP, HEX	DIL14P	+5V	70C	75MW	40MXNS	I018	SIE	TL4934
FLH465	TTL	INV	INVERTER, OC OP, HEX	DIL14P	+5V	85C	75MW	40MXNS	I018	SIE	TL49834
FLH471	TTL	INV	INVERTER, HEX	DIL14P	+5V	70C	75MW	40MXNS	I018	SIE	TL4935
FLH471-4935	TTL	INV	INVERTER, HEX	DIL14P	+5V	70C	75MW	40MXNS	I018	SIE	TL4935
	TTL	INV	INVERTER, HEX	DIL14P	+5V	85C	75MW	40MXNS	I018	SIE	TL49835
FLH481	TTL	INV	INVERTER/DRIVER, OC 30V, HEX	DIL14P	+5V	70C	51MA	23MXNS	I001	SIE	SN7406N
FLH481-7406	TTL	INV	INVERTER/DRIVER, OC 30V, HEX	DIL14P	+5V	70C	51MA	23MXNS	I001	SIE	SN7406N
FLH481T	TTL	INV	INVERTER/BUFFER,OC 15V OP, HEX	DIL14P	+5V	70C	51MA	23MXNS	I001	SIE	SN7416N
FLH481T-7416	TTL	INV	INVERTER/BUFFER,OC 15V OP, HEX	DIL14P	+5V	70C	51MA	23MXNS	I001	SIE	SN7416N
FLH485	TTL	INV	INVERTER/DRIVER, OC 30V, HEX	DIL14P	+5V	85C	51MA	23MXNS	I001	SIE	SN8406N
FLH485T	TTL	INV	INVERTER/BUFFER,OC 15V OP, HEX	DIL14P	+5V	85C	51MA	23MXNS	I001	SIE	SN8416N
FLH491	TTL	BUF	BUFFER, NON INV,OC 30V OP, HEX	DIL14P	+5V	70C	41MA	30MXNS	B001	SIE	SN7407N
FLH491-7407	TTL	BUF	BUFFER, NON INV,OC 30V OP, HEX	DIL14P	+5V	70C	41MA	30MXNS	B001	SIE	SN7407N
FLH491T	TTL	BUF	BUFFER, NON INV,OC 15V OP, HEX	DIL14P	+5V	70C	41MA	30MXNS	B001	SIE	SN7417N
FLH491T7417	TTL	BUF	BUFFER, NON INV,OC 15V OP, HEX	DIL14P	+5V	70C	41MA	30MXNS	B001	SIE	SN7417N
FLH495	TTL	BUF	BUFFER, NON INV,OC 30V OP, HEX	DIL14P	+5V	85C	41MA	30MXNS	B001	SIE	SN8407N
FLH495T	TTL	BUF	BUFFER, NON INV,OC 15V OP, HEX	DIL14P	+5V	85C	41MA	30MXNS	B001	SIE	
FLH501	TTL	NAN	NAND, 3IP, OC OP, TRIPLE	DIL14P	+5V	70C	17MA	45MXNS	N004	SIE	SN7412N
FLH501-7412	TTL	NAN	NAND, 3IP, OC OP, TRIPLE	DIL14P	+5V	70C	17MA	45MXNS	N004	SIE	SN7412N
FLH505	TTL	NAN	NAND, 3IP, OC OP, TRIPLE	DIL14P	+5V	85C	17MA	45MXNS	N004	SIE	SN8412N
FLH505-8412	TTL	NAN	NAND, 3IP, OC OP, TRIPLE	DIL14P	+5V	85C	17MA	45MXNS	N004	SIE	SN8412N

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAK ER	SUBSTITUTE
FLH511	TTL	NOR	NOR, 4IP,EXPANDBLE,STROBE,DUAL	DIL16P	+5V	70C	19MA	22MXNS	Q003	SIE	SN7423N
FLH511-7423	TTL	NOR	NOR, 4IP,EXPANDBLE,STROBE,DUAL	DIL16P	+5V	70C	19MA	22MXNS	Q003	SIE	SN7423N
FLH515	TTL	NOR	NOR, 4IP,EXPANDBLE,STROBE,DUAL	DIL16P	+5V	85C	19MA	22MXNS	Q003	SIE	SN8423N
FLH515-8423	TTL	NOR	NOR, 4IP,EXPANDBLE,STROBE,DUAL	DIL16P	+5V	85C	19MA	22MXNS	Q003	SIE	SN8423N
FLH521	TTL	NOR	NOR, 4IP, STROBE, DUAL	DIL16P	+5V	70C	19MA	22MXNS	Q004	SIE	SN7425N
FLH521-7425	TTL	NOR	NOR, 4IP, STROBE, DUAL	DIL16P	+5V	70C	19MA	22MXNS	Q004	SIE	SN7425N
FLH525	TTL	NOR	NOR, 4IP, STROBE, DUAL	DIL16P	+5V	85C	19MA	22MXNS	Q004	SIE	SN8425N
FLH525-8425	TTL	NOR	NOR, 4IP, STROBE, DUAL	DIL16P	+5V	85C	19MA	22MXNS	Q004	SIE	SN8425N
FLH531	TTL	NAN	NAND, BUFFER, 2IP, QUAD	DIL14P	+5V	70C	54MA	22MXNS	N001	SIE	SN7437N
FLH531-7437	TTL	NAN	NAND, BUFFER, 2IP, QUAD	DIL14P	+5V	70C	54MA	22MXNS	N001	SIE	SN7437N
FLH535	TTL	NAN	NAND, BUFFER, 2IP, QUAD	DIL14P	+5V	85C	54MA	22MXNS	N001	SIE	SN8437N
FLH535-8437	TTL	NAN	NAND, BUFFER, 2IP, QUAD	DIL14P	+5V	85C	54MA	22MXNS	N001	SIE	SN8437N
FLH541	TTL	NAN	NAND, BUFFER, 2IP, OC OP, QUAD	DIL14P	+5V	70C	54MA	22MXNS	N001	SIE	SN7438N
FLH541-7438	TTL	NAN	NAND, BUFFER, 2IP, OC OP, QUAD	DIL14P	+5V	70C	54MA	22MXNS	N001	SIE	SN7438N
FLH545	TTL	NAN	NAND, BUFFER, 2IP, OC OP, QUAD	DIL14P	+5V	85C	54MA	22MXNS	N001	SIE	SN8438N
FLH545-8438	TTL	NAN	NAND, BUFFER, 2IP, OC OP, QUAD	DIL14P	+5V	85C	54MA	22MXNS	N001	SIE	SN8438N
FLH551	TTL	DSP	DECODER,BCD-7SGT,INTERN PULLUP	DIL16P	+5V	70C	90MA	100MXNS	D011	SIE	SN7448N
FLH551-7448	TTL	DSP	DECODER,BCD-7SGT,INTERN PULLUP	DIL16P	+5V	70C	90MA	100MXNS	D011	SIE	SN7448N
FLH555	TTL	DSP	DECODER,BCD-7SGT,INTERN PULLUP	DIL16P	+5V	85C	90MA	100MXNS	D011	SIE	SN8448N
FLH555-8448	TTL	DSP	DECODER,BCD-7SGT,INTERN PULLUP	DIL16P	+5V	85C	90MA	100MXNS	D011	SIE	SN8448N
FLH561	TTL	CVR	CONVERTER,BCD TO BINARY,6BT,OC	DIL16P	+5V	70C	99MA	40MXNS	K001	SIE	SN74184N
FLH561-74184	TTL	CVR	CONVERTER,BCD TO BINARY,6BT,OC	DIL16P	+5V	70C	99MA	40MXNS	K001	SIE	SN74184N
FLH565	TTL	CVR	CONVERTER,BCD TO BINARY,6BT,OC	DIL16P	+5V	85C	99MA	40MXNS	K001	SIE	SN84184N
FLH565-84184	TTL	CVR	CONVERTER,BCD TO BINARY,6BT,OC	DIL16P	+5V	85C	99MA	40MXNS	K001	SIE	SN84184N
FLH571	TTL	CVR	CONVERTER,BINARY TO BCD,6BT,OC	DIL16P	+5V	70C	99MA	40MXNS	K001	SIE	SN74185AN
FLH571-74185A	TTL	CVR	CONVERTER,BINARY TO BCD,6BT,OC	DIL16P	+5V	70C	99MA	40MXNS	K001	SIE	SN74185AN
FLH575	TTL	CVR	CONVERTER,BINARY TO BCD,6BT,OC	DIL16P	+5V	85C	99MA	40MXNS	K001	SIE	SN84185AN
FLH575-84185A	TTL	CVR	CONVERTER,BINARY TO BCD,6BT,OC	DIL16P	+5V	85C	99MA	40MXNS	K001	SIE	SN84185AN
FLH581	TTL	AND	AND, 2IP, QUAD	DIL14P	+5V	70C	33MA	27MXNS	A001	SIE	SN7408N
FLH585	TTL	AND	AND, 2IP, QUAD	DIL14P	+5V	85C	33MA	27MXNS	A001	SIE	SN8408N
FLH591	TTL	AND	AND, 2IP, OC OP, QUAD	DIL14P	+5V	70C	33MA	32MXNS	A001	SIE	SN7409N
FLH595	TTL	AND	AND, 2IP, OC OP, QUAD	DIL14P	+5V	85C	33MA	32MXNS	A001	SIE	SN8409N
FLH601	TTL	SCH	NAND, 2IP,SCHMITT, QUAD	DIL14P	+5V	70C	40MA	22MXNS	N001	SIE	SN74132N
FLH601-74132	TTL	SCH	NAND, 2IP,SCHMITT, QUAD	DIL14P	+5V	70C	40MA	22MXNS	N001	SIE	SN74132N
FLH605	TTL	SCH	NAND, 2IP,SCHMITT, QUAD	DIL14P	+5V	85C	40MA	22MXNS	N001	SIE	SN84132N
FLH611	TTL	NAN	NAND, 4IP, OC OP, DUAL	DIL14P	+5V	70C	11MA	45MXNS	N008	SIE	SN7422N
FLH611-7422	TTL	NAN	NAND, 4IP, OC OP, DUAL	DIL14P	+5V	70C	11MA	45MXNS	N008	SIE	SN7422N
FLH615	TTL	NAN	NAND, 4IP, OC OP, DUAL	DIL14P	+5V	85C	11MA	45MXNS	N008	SIE	SN8422N
FLH615-8422	TTL	NAN	NAND, 4IP, OC OP, DUAL	DIL14P	+5V	85C	11MA	45MXNS	N008	SIE	SN8422N
FLH621	TTL	NOR	NOR, 3IP, TRIPLE	DIL14P	+5V	70C	26MA	15MXNS	Q005	SIE	SN7427N
FLH621-7427	TTL	NOR	NOR, 3IP, TRIPLE	DIL14C	+5V	70C	26MA	15MXNS	Q005	SIE	SN7427N
FLH625	TTL	NOR	NOR, 3IP, TRIPLE	DIL14P	+5V	85C	26MA	15MXNS	Q005	SIE	SN8427N
FLH625-8427	TTL	NOR	NOR, 3IP, TRIPLE	DIL14P	+5V	85C	26MA	15MXNS	Q005	SIE	SN8427N
FLH631	TTL	ORG	OR, 2IP, QUAD	DIL14P	+5V	70C	38MA	22MXNS	O001	SIE	SN7432N
FLH631-7432	TTL	ORG	OR, 2IP, QUAD	DIL14P	+5V	70C	38MA	22MXNS	O001	SIE	SN7432N
FLH635	TTL	ORG	OR, 2IP, QUAD	DIL14P	+5V	85C	38MA	22MXNS	O001	SIE	SN8432N
FLH635-8432	TTL	ORG	OR, 2IP, QUAD	DIL14P	+5V	85C	38MA	22MXNS	O001	SIE	SN8432N
FLH641	TTL	XXX	DELAY ELEMENT, HEX	DIL16P	+5V	70C	52MW	-	Z071	SIE	TL49703
FLH641-49703	TTL	XXX	DELAY ELEMENT, HEX	DIL16P	+5V	70C	52MW	-	Z071	SIE	TL49703
FLH645	TTL	XXX	DELAY ELEMENT, HEX	DIL16P	+5V	85C	52MW	-	Z071	SIE	TL49803
FLH661	TTL	NOR	NOR, BUFFER, 2IP, QUAD	DIL14P	+5V	70C	15MA	18MXNS	Q001	SIE	SN7428N
FLH661-7428	TTL	NOR	NOR, BUFFER, 2IP, QUAD	DIL14P	+5V	70C	15MA	18MXNS	Q001	SIE	SN7428N
FLH661-7433	TTL	NOR	NOR, 2IP, OC OP, QUAD	DIL14P	+5V	70C	57MA	24MXNS	Q001	SIE	SN7433N
FLH661-74128	TTL	NOR	NOR, BUFFER, 2IP, QUAD	DIL14P	+5V	70C	15MA	18MXNS	Q001	SIE	SN74128N
FLH661-74136	TTL	XOR	EXCLUSIVE OR, OC OP, QUAD	DIL14P	+5V	70C	50MA	55MXNS	X001	SIE	SN74136N
FLH661-74147	TTL	ENC	ENCODER, PRIORITY,10-TO-4 LINE	DIL16P	+5V	70C	70MA	19MXNS	M017	SIE	SN74147N
FLH661-74148	TTL	ENC	ENCODER, PRIORITY,8-TO-3 LINE	DIL16P	+5V	70C	60MA	30MXNS	M015	SIE	SN74148N
FLH665	TTL	NOR	NOR, BUFFER, 2IP, QUAD	DIL14P	+5V	85C	15MA	18MXNS	Q001	SIE	SN8428N
FLH665-8428	TTL	NOR	NOR, BUFFER, 2IP, QUAD	DIL14P	+5V	85C	15MA	18MXNS	Q001	SIE	SN8428N
FLH665-8433	TTL	NOR	NOR, 2IP, OC OP, QUAD	DIL14P	+5V	85C	57MA	24MXNS	Q001	SIE	SN8433N
FLH665-84128	TTL	NOR	NOR, BUFFER, 2IP, QUAD	DIL14P	+5V	85C	15MA	18MXNS	Q001	SIE	SN84128N
FLH665-84136	TTL	XOR	EXCLUSIVE OR, OC OP, QUAD	DIL14P	+5V	85C	50MA	55MXNS	X001	SIE	SN84136N
FLH665-84147	TTL	ENC	ENCODER, PRIORITY,10-TO-4 LINE	DIL16P	+5V	85C	70MA	19MXNS	M017	SIE	SN84147N
FLH665-84148	TTL	ENC	ENCODER, PRIORITY,8-TO-3 LINE	DIL16P	+5V	85C	60MA	30MXNS	M015	SIE	SN84148N
FLH731	TTL	NAN	NAND, SCHMITT, DUAL	DIL14P	+5V	70C	85MW	25MXNS	N029	SIE	TL49713N
FLH731-49713	TTL	NAN	NAND, SCHMITT, DUAL	DIL14P	+5V	70C	85MW	25MXNS	N029	SIE	TL49713N
FLH731T	TTL	NAN	NAND, SCHMITT, DUAL	DIL14P	+5V	70C	85MW	25MXNS	N029	SIE	TL49713NS1
FLH731T49713S	TTL	NAN	NAND, SCHMITT, DUAL	DIL14P	+5V	70C	85MW	25MXNS	N029	SIE	TL49713NS1
FLH735	TTL	NAN	NAND, SCHMITT, DUAL	DIL14P	+5V	85C	85MW	25MXNS	N029	SIE	TL49813N
FLH735T	TTL	NAN	NAND, SCHMITT, DUAL	DIL14P	+5V	85C	85MW	25MXNS	N029	SIE	TL49813NS1
FLJ101	TTL	FFJ	FF/JK,+EDG TRIG,AND GTD,S/R/CK	DIL14P	+5V	70C	26MA	20MXMHZ	F001	SIE	SN7470N
FLJ101-7470	TTL	FFJ	FF/JK,+EDG TRIG,AND GTD,S/R/CK	DIL14P	+5V	70C	26MA	20MXMHZ	F001	SIE	SN7470N
FLJ105	TTL	FFJ	FF/JK,+EDG TRIG,AND GTD,S/R/CK	DIL14P	+5V	85C	26MA	20MXMHZ	F001	SIE	SN8470N
FLJ105-8470	TTL	FFJ	FF/JK,+EDG TRIG,AND GTD,S/R/CK	DIL14P	+5V	85C	26MA	20MXMHZ	F001	SIE	SN8470N
FLJ111	TTL	FFJ	FF/JK,MASTER SLVE,A GTD,S/R/CK	DIL14P	+5V	70C	20MA	15MXMHZ	F005	SIE	SN7472N

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
FLJ111-7472	TTL	FFJ	FF/JK,MASTER SLVE,A GTD,S/R/CK	DIL14P	+5V	75C	20MA	15MXMHZ	F005	SIE	SN7472N
FLJ115	TTL	FFJ	FF/JK,MASTER SLVE,A GTD,S/R/CK	DIL14P	+5V	85C	20MA	15MXMHZ	F005	SIE	SN8472N
FLJ115-8472	TTL	FFJ	FF/JK,MASTER SLVE,A GTD,S/R/CK	DIL14P	+5V	85C	20MA	15MXMHZ	F005	SIE	SN8472N
FLJ121	TTL	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	DIL14P	+5V	70C	40MA	15MXMHZ	F007	SIE	SN7473N
FLJ121-7473	TTL	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	DIL14P	+5V	70C	40MA	15MXMHZ	F007	SIE	SN7473N
FLJ125	TTL	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	DIL14P	+5V	85C	40MA	15MXMHZ	F007	SIE	SN8473N
FLJ125-8473	TTL	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	DIL14P	+5V	85C	40MA	15MXMHZ	F007	SIE	SN8473N
FLJ131	TTL	FFJ	FF/JK, M-S, SEP S/R/CK, DUAL	DIL16P	+5V	70C	40MA	15MXMHZ	F010	SIE	SN7476N
FLJ131-7476	TTL	FFJ	FF/JK, M-S, SEP S/R/CK, DUAL	DIL16P	+5V	70C	40MA	15MXMHZ	F010	SIE	SN7476N
FLJ135	TTL	FFJ	FF/JK, M-S, SEP S/R/CK, DUAL	DIL16P	+5V	85C	40MA	15MXMHZ	F010	SIE	SN8476N
FLJ135-8476	TTL	FFJ	FF/JK, M-S, SEP S/R/CK, DUAL	DIL16P	+5V	85C	40MA	15MXMHZ	F010	SIE	SN8476N
FLJ141	TTL	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	DIL14P	+5V	70C	30MA	10MXMHZ	F008	SIE	SN7474N
FLJ141-7474	TTL	FFD	FF/D, +EDG TRG, SEPS/R/CK,DUAL	DIL14P	+5V	70C	30MA	10MXMHZ	F008	SIE	SN7474N
FLJ145	TTL	FFD	FF/D, +EDG TRG, SEPS/R/CK,DUAL	DIL14P	+5V	85C	30MA	10MXMHZ	F008	SIE	SN8474N
FLJ145-8474	TTL	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	DIL14P	+5V	85C	30MA	10MXMHZ	F008	SIE	SN8474N
FLJ151	TTL	LCH	LATCH,FF/D,2BT,TRANSP,2OP,DUAL	DIL16P	+5V	70C	53MA	40MXNS	L001	SIE	SN7475N
FLJ151-7475	TTL	LCH	LATCH,FF/D,2BT,TRANSP,2OP,DUAL	DIL16P	+5V	70C	53MA	40MXNS	L001	SIE	SN7475N
FLJ155	TTL	LCH	LATCH,FF/D,2BT,TRANSP,2OP,DUAL	DIL16P	+5V	85C	53MA	40MXNS	L001	SIE	SN8475N
FLJ161	TTL	CTR	COUNTER, DECADE,2X5 DIV,RIPPLE	DIL14P	+5V	70C	70MA	20MXMHZ	C001	SIE	SN7490AN
FLJ161-7490A	TTL	CTR	COUNTER, DECADE,2X5 DIV,RIPPLE	DIL14P	+5V	70	70MA	20MXMHZ	C001	SIE	SN7490AN
FLJ161S7490S1	TTL	CTR	COUNTER, DECADE,2X5 DIV,RIPPLE	DIL14P	+5V	70C	42MA	32MXMHZ	C001	SIE	SN7490AN
FLJ165	TTL	CTR	COUNTER, DECADE,2X5 DIV,RIPPLE	DIL14P	+5V	85C	70MA	20MXMHZ	C001	SIE	SN8490AN
FLJ165-8490A	TTL	CTR	COUNTER, DECADE,2X5 DIV,RIPPLE	DIL14P	+5V	85C	70MA	20MXMHZ	C001	SIE	SN8490AN
FLJ165S8490S1	TTL	CTR	COUNTER, DECADE,2X5 DIV,RIPPLE	DIL14P	+5V	85C	42MA	32MXMHZ	C001	SIE	SN8490AN
FLJ171	TTL	CTR	COUNTER, DUODECIMAL,2X6 DIVIDE	DIL14P	+5V	70C	39MA	32MXMHZ	C002	SIE	SN7492AN
FLJ171-7492A	TTL	CTR	COUNTER, DUODECIMAL,2X6 DIVIDE	DIL14P	+5V	70C	39MA	32MXMHZ	C002	SIE	SN7492AN
FLJ175	TTL	CTR	COUNTER, DUODECIMAL,2X6 DIVIDE	DIL14P	+5V	85C	39MA	32MXMHZ	C002	SIE	SN8492AN
FLJ175-8492A	TTL	CTR	COUNTER, DUODECIMAL,2X6 DIVIDE	DIL14P	+5V	85C	39MA	32MXMHZ	C002	SIE	SN8492AN
FLJ181	TTL	CTR	COUNTER,4BT BIN,2X8 DIV,RIPPLE	DIL14P	+5V	70C	39MA	32MXMHZ	C003	SIE	SN7493AN
FLJ181-7493A	TTL	CTR	COUNTER,4BT BIN,2X8 DIV,RIPPLE	DIL14P	+5V	70C	39MA	32MXMHZ	C003	SIE	SN7493AN
FLJ185	TTL	CTR	COUNTER,4BT BIN,2X8 DIV,RIPPLE	DIL14P	+5V	85C	39MA	32MXMHZ	C003	SIE	SN8493AN
FLJ185-8493A	TTL	CTR	COUNTER,4BT BIN,2X8 DIV,RIPPLE	DIL14P	+5V	85C	39MA	32MXMHZ	C003	SIE	SN8493AN
FLJ191	TTL	SRG	SHIFT REG,4BIT,L/R SHIFT, PIPO	DIL14P	+5V	70C	63MA	25MXMHZ	R004	SIE	SN7495AN
FLJ191-7495A	TTL	SRG	SHIFT REG,4BIT,L/R SHIFT, PIPO	DIL14P	+5V	70C	63MA	25MXMHZ	R004	SIE	SN7495AN
FLJ195	TTL	SRG	SHIFT REG,4BIT,L/R SHIFT, PIPO	DIL14P	+5V	85C	63MA	25MXMHZ	R004	SIE	SN8495AN
FLJ201	TTL	CTR	COUNTER,DEC,UP/DWN,SYNC,PRESET	DIL16P	+5V	70C	105MA	20MXMHZ	C008	SIE	SN74190N
FLJ201-74190	TTL	CTR	COUNTER,DEC,UP/DWN,SYNC,PRESET	DIL16P	+5V	70C	105MA	20MXMHZ	C008	SIE	SN74190N
FLJ205	TTL	CTR	COUNTER,DEC,UP/DWN,SYNC,PRESET	DIL16P	+5V	85C	105MA	20MHMHZ	C008	SIE	SN84190N
FLJ205-84190	TTL	CTR	COUNTER,DEC,UP/DWN,SYNC,PRESET	DIL16P	+5V	85C	105MA	20MXMHZ	C008	SIE	SN84190N
FLJ211	TTL	CTR	COUNTER, 4 BT HEX, UP/DWN,SYNC	DIL16P	+5V	70C	105MA	20MXMHZ	C008	SIE	SN74191N
FLJ211-74191	TTL	CTR	COUNTER, 4 BT HEX, UP/DWN,SYNC	DIL16P	+5V	70C	105MA	20MXMHZ	C008	SIE	SN74191N
FLJ215	TTL	CTR	COUNTER, 4 BT HEX, UP/DWN,SYNC	DIL16P	+5V	85C	105MA	20MXMHZ	C008	SIE	SN84191N
FLJ215-84191	TTL	CTR	COUNTER, 4 BT HEX, UP/DWN,SYNC	DIL16P	+5V	85C	105MA	20MXMHZ	C008	SIE	SN84191N
FLJ221-7491A	TTL	SRG	SHIFT REG, 8BT,SISO,GATED IP	DIL14P	+5V	70C	58MA	18TPMHZ	R001	SIE	SN7491AN
FLJ221	TTL	SRG	SHIFT REG, 8BT,SISO,GATED IP	DIL14P	+5V	70C	58MA	18TPMHZ	R001	SIE	SN7491AN
FLJ225	TTL	SRG	SHIFT REG, 8BT,SISO,GATED IP	DIL14P	+5V	85C	58MA	18TPMHZ	R001	SIE	SN8491AN
FLJ231	TTL	SRG	SHIFT REG, 4 BIT, 2 SET, PISO	DIL16P	+5V	70C	58MA	10MXMHZ	R003	SIE	SN7494N
FLJ231-7494	TTL	SRG	SHIFT REG, 4 BIT, 2 SET, PISO	DIL16P	+5V	70C	58MA	10MXMHZ	R003	SIE	SN7494N
FLJ235	TTL	SRG	SHIFT REG, 4 BIT, 2 SET, PISO	DIL16P	+5V	85C	58MA	10MXMHZ	R003	SIE	SN8494N
FLJ241	TTL	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	DIL16P	+5V	70C	102MA	25MXMHZ	C009	SIE	SN74192N
FLJ241-74192	TTL	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	DIL16P	+5V	70C	102MA	25MXMHZ	C009	SIE	SN74192N
FLJ245	TTL	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	DIL16P	+5V	70C	102MA	25MXMHZ	C009	SIE	SN74192N
FLJ245-84192	TTL	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	DIL16P	+5V	85C	102MA	25MXMHZ	C009	SIE	SN84192N
FLJ251	TTL	CTR	COUNTER,HEX,UP/DWN,SYNC,2CK,3S	DIL16P	+5V	70C	102MA	25MXMHZ	C009	SIE	SN74193N
FLJ251-74193	TTL	CTR	COUNTER,HEX,UP/DWN,SYNC,2CK,3S	DIL16P	+5V	70C	102MA	25MXMHZ	C009	SIE	SN74193N
FLJ255	TTL	CTR	COUNTER,HEX,UP/DWN,SYNC,2CK,3S	DIL16P	+5V	85C	102MA	25MXMHZ	C009	SIE	SN84193N
FLJ255-84193	TTL	CTR	COUNTER,HEX,UP/DWN,SYNC,2CK,3S	DIL16P	+5V	85C	102MA	25MXMHZ	C009	SIE	SN84193N
FLJ261	TTL	SRG	SHIFT REG, 5BT,1 SET,PISO/SIPO	DIL16P	+5V	70C	79MA	10MXMHZ	R005	SIE	SN7496N
FLJ261-7496	TTL	SRG	SHIFT REG, 5BT,1 SET,PISO/SIPO	DIL16P	+5V	70C	79MA	10MXMHZ	R005	SIE	SN7496N
FLJ265	TTL	SRG	SHIFT REG, 5BT,1 SET,PISO/SIPO	DIL16P	+5V	85C	79MA	10MXMHZ	R005	SIE	SN8496N
FLJ271	TTL	FFJ	FF/JK, M-S, SEP R/CK, DUAL	DIL14P	+5V	70C	40MA	15MXMHZ	F018	SIE	SN74107N
FLJ271-74107	TTL	FFJ	FF/JK, M-S, SEP R/CK, DUAL	DIL14P	+5V	70C	40MA	15MXMHZ	F018	SIE	SN74107N
FLJ275	TTL	FFJ	FF/JK, M-S, SER R/CK, DUAL	DIL14P	+5V	85C	40MA	15MXMHZ	F018	SIE	SN84107N
FLJ275-84107	TTL	FFJ	FF/JK, M-S, SEP R/CK, DUAL	DIL14P	+5V	85C	40MA	15MXMHZ	F018	SIE	SN84107N
FLJ281	TTL	FFJ	FF/JK,M-S,S/R/CK,A GTD, J/K HI	DIL14P	+5V	70C	40MA	25MXNS	F032	SIE	SN74104N
FLJ281-74104	TTL	FFJ	FF/JK,M-S,S/R/CK,A GTD, J/K HI	DIL14P	+5V	70C	40MA	25MXNS	F032	SIE	SN74104N
FLJ285	TTL	FFJ	FF/JK,M-S,S/R/CK,A GTD, J/K HI	DIL14P	+5V	85C	40MA	25MXNS	F032	SIE	SN84104N
FLJ291-74105	TTL	FFJ	FF/JK,M-S,S/R/CK/A GTD, J/K HI	DIL14P	+5V	70C	40MA	25MXNS	F032	SIE	SN74105N
FLJ291	TTL	FFJ	FF/JK,M-S,S/R/CK,A GTD, J/K HI	DIL14P	+5V	70C	40MA	25MXNS	F032	SIE	SN74105N
FLJ295	TTL	FFJ	FF/JK,M-S,S/R/CK,A GTD; J/K HI	DIL14P	+5V	85C	40MA	25MXNS	F032	SIE	SN84105N
FLJ301	TTL	FFD	FF/D,BISTABLE LATCH, 4BT, DUAL	DIL24P	+5V	70C	106MA	30MXNS	L016	SIE	SN74100N
FLJ301-74100	TTL	FFD	FF/D,BISTABLE LATCH, 4BT, DUAL	DIL24P	+5V	70C	106MA	30MXNS	L016	SIE	SN74100N
FLJ305	TTL	FFD	FF/D, BISTABLE LATCH, 4BT,DUAL	DIL24P	+5V	85C	106MA	30MXNS	L016	SIE	SN84100N
FLJ311	TTL	SRG	SHIFT REGISTER,8 BT,L/R, PIPO	DIL24P	+5V	70C	127MA	25MXMHZ	R015	SIE	SN74198N
FLJ311-74198	TTL	SRG	SHIFT REGISTER,8 BT,L/R, PIPO	DIL24P	+5V	70C	127MA	25MXMHZ	R015	SIE	SN74198N

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
FLJ315	TTL	SRG	SHIFT REGISTER,8 BT,L/R, PIPO	DIL24P	+5V	85C	127MA	25MXMHZ	R015	SIE	SN84198N
FLJ321	TTL	SRG	SHIFT REG, 8 BT,JK IP, PIPO	DIL24P	+5V	70C	127MA	25MXMHZ	R016	SIE	SN74199N
FLJ321-74199	TTL	SRG	SHIFT REG, 8 BT,JK IP, PIPO	DIL24P	+5V	70C	127MA	25MXMHZ	R016	SIE	SN74199N
FLJ325	TTL	SRG	SHIFT REG, 8 BT,JK IP, PIPO	DIL24P	+5V	85C	127MA	25MXMHZ	R016	SIE	SN84199N
FLJ331	TTL	MLT	MULTIPLIER, RATE,BINARY, 6 BIT	DIL16P	+5V	70C	120MA	25MXMHZ	Z007	SIE	SN7497N
FLJ331-7497	TTL	MLT	MULTIPLIER, RATE,BINARY, 6 BIT	DIL16P	+5V	70C	120MA	25MXMHZ	Z007	SIE	SN7497N
FLJ335	TTL	MLT	MULTIPLIER, RATE,BINARY, 6 BIT	DIL16P	+5V	85C	120MA	25MXMHZ	Z007	SIE	SN8497N
FLJ341	TTL	FFJ	FF/JK, M-S,DATA LOCKOUT,A GTD	DIL14P	+5V	70C	34MA	20MXMHZ	F005	SIE	SN74110N
FLJ341-74110	TTL	FFJ	FF/JK, M-S,DATA LOCKOUT,A GTD	DIL14P	+5V	70C	34MA	20MXMHZ	F005	SIE	SN74110N
FLJ345	TTL	FFJ	FF/JK, M-S,DATA LOCKOUT,A GTD	DIL14P	+5V	85C	34MA	20MXMHZ	F005	SIE	SN84110N
FLJ345-84110	TTL	FFJ	FF/JK, M-S,DATA LOCKOUT,A GTD	DIL14P	+5V	85C	34MA	20MXMHZ	F005	SIE	SN84110N
FLJ351	TTL	FFJ	FF/JK, M-S, DATA LOCKOUT, DUAL	DIL16P	+5V	70C	21MA	20MXMHZ	F045	SIE	SN74111N
FLJ351-74111	TTL	FFJ	FF/JK, M-S, DATA LOCKOUT, DUAL	DIL16P	+5V	70C	21MA	20MXMHZ	F045	SIE	SN74111N
FLJ355	TTL	FFJ	FF/JK, M-S, DATA LOCKOUT, DUAL	DIL16P	+5V	85C	21MA	20MXMHZ	F045	SIE	SN84111N
FLJ355-84111	TTL	FFJ	FF/JK, M-S, DATA LOCKOUT, DUAL	DIL16P	+5V	85C	21MA	20MXMHZ	F045	SIE	SN84111N
FLJ361	TTL	FFR	FF/RS, LATCH, 6 BIT, COMMON R	DIL16P	+5V	70C	300MW	29MXNS	F047		SN74118N
FLJ361-74118	TTL	FFR	FF/RS, LATCH, 6 BIT, COMMON R	DIL16P	+5V	70C	300MW	29MXNS	F047	SIE	SN74118N
FLJ365	TTL	FFR	FF/RS, LATCH, 6 BIT, COMMON R	DIL16P	+5V	85C	300MW	29MXNS	F047	SIE	SN84118N
FLJ371	TTL	FFR	FF/RS, LATCH, 6BT, COMM+SEP R	DIL24P	+5V	70C	300MW	29MXNS	F048	SIE	SN74119N
FLJ371-74119	TTL	FFR	FF/RS, LATCH, 6BT, COMM+SEP R	DIL24P	+5V	70C	300MW	29MXNS	F048	SIE	SN74119N
FLJ375	TTL	FFR	FF/RS, LATCH, 6BT, COMM+SER R	DIL24P	+5V	85C	300MW	29MXNS	F048	SIE	SN84119N
FLJ381	TTL	CTR	COUNTER,DEC,BCD/BIQUIN,RIPPLE	DIL14P	+5V	70C	59MA	50MXMHZ	C010	SIE	SN74196N
FLJ381-74196	TTL	CTR	COUNTER,DEC,BCD/BIQUIN,RIPPLE	DIL14P	+5V	70C	59MA	50MXMHZ	C010	SIE	SN74196N
FLJ385	TTL	CTR	COUNTER,DEC,BCD/BIQUIN,RIPPLE	DIL14P	+5V	85C	59MA	50MXMHZ	C010	SIE	SN84196N
FLJ385-84196	TTL	CTR	COUNTER,DEC,BCD/BIQUIN,RIPPLE	DIL14P	+5V	85C	59MA	50MXMHZ	C010	SIE	SN84196N
FLJ391	TTL	CTR	COUNTER,HEXADEC,4 BIT, RIPPLE	DIL14P	+5V	70C	59MA	50MXMHZ	C010	SIE	SN74197N
FLJ391-74197	TTL	CTR	COUNTER,HEXADEC,4 BIT, RIPPLE	DIL14P	+5V	70C	59MA	50MXMHZ	C010	SIE	SN74197N
FLJ395	TTL	CTR	COUNTER,HEXADEC,4 BIT, RIPPLE	DIL14P	+5V	85C	59MA	50MXMHZ	C010	SIE	SN84197N
FLJ395-84197	TTL	CTR	COUNTER,HEXADEC,4 BIT, RIPPLE	DIL14P	+5V	85C	59MA	50MXMHZ	C010	SIE	SN84197N
FLJ401	TTL	CTR	COUNTER,DEC,4 BIT, SYNC,DRCT R	DIL16P	+5V	70C	101MA	25MXMHZ	C004	SIE	SN74160N
FLJ401-74160	TTL	CTR	COUNTER,DEC, 4 BIT,SYNC,DRCT R	DIL16P	+5V	70C	101MA	25MXMHZ	C004	SIE	SN74160N
FLJ405	TTL	CTR	COUNTER,DEC,4 BIT, SYNC,DRCT R	DIL16P	+5V	75C	101MA	25MXMHZ	C004	SIE	SN74160N
FLJ405-84160	TTL	CTR	COUNTER,DEC,4 BIT, SYNC,DRCT R	DIL16P	+5V	85C	101MA	25MXMHZ	C004	SIE	SN84160N
FLJ411	TTL	CTR	COUNTER, BIN,4 BIT,SYNC,DRCT R	DIL16C	+5V	70C	91MA	25MXMHZ	C004	SIE	SN74161N
FLJ411-74161	TTL	CTR	COUNTER, BIN,4 BIT,SYNC,DRCT R	DIL16C	+5V	70C	91MA	25MXMHZ	C004	SIE	SN74161N
FLJ415	TTL	CTR	COUNTER, BIN,4 BIT,SYNC,DRCT R	DIL16C	+5V	85C	91MA	25MXMHZ	C004	SIE	SN84161N
FLJ415-84161	TTL	CTR	COUNTER, BIN,4 BIT,SYNC,DRCT R	DIL16C	+5V	85C	91MA	25MXMHZ	C004	SIE	SN84161N
FLJ421	TTL	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	DIL16P	+5V	70C	101MA	25MXMHZ	C005	SIE	SN74162N
FLJ421-74162	TTL	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	DIL16P	+5V	70C	101MA	25MXMHZ	C005	SIE	SN74162N
FLJ425	TTL	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	DIL16P	+5V	85C	101MA	25MXMHZ	C005	SIE	SN84162N
FLJ425-84162	TTL	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	DIL16P	+5V	85C	101MA	25MXMHZ	C005	SIE	SN84162N
FLJ431	TTL	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	DIL16P	+5V	70C	101MA	25MXMHZ	C005	SIE	SN74163N
FLJ431-74163	TTL	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	DIL16P	+5V	70C	101MA	25MXMHZ	C005	SIE	SN74163N
FLJ435	TTL	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	DIL16P	+5V	85C	101MA	25MXMHZ	C005	SIE	SN84163N
FLJ435-84163	TTL	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	DIL16P	+5V	85C	101MA	25MXMHZ	C005	SIE	SN84163N
FLJ441	TTL	SRG	SHIFT REGISTER, 8 BIT, SIPO	DIL14P	+5V	70C	54MA	25MXMHZ	R006	SIE	SN74164N
FLJ441-74164	TTL	SRG	SHIFT REGISTER, 8 BIT, SIPO	DIL14P	+5V	70C	54MA	25MXMHZ	R006	SIE	SN74164N
FLJ445	TTL	SRG	SHIFT REGISTER, 8 BIT, SIPO	DIL14P	+5V	85C	54MA	25MXMHZ	R006	SIE	SN84164N
FLJ451	TTL	SRG	SHIFT REGISTER, 8 BIT, PISO	DIL16P	+5V	70C	63MA	20MXMHZ	R007	SIE	SN74165N
FLJ451-74165	TTL	SRG	SHIFT REGISTER, 8 BIT, PISO	DIL16P	+5V	70C	63MA	20MXMHZ	R007	SIE	SN74165N
FLJ455	TTL	SRG	SHIFT REGISTER, 8 BIT, PISO	DIL16P	+5V	85C	63MA	20MXMHZ	R007	SIE	SN84165N
FLJ461	TTL	SRG	SHIFT REGISTER,8 BIT,PISO/SIPO	DIL16P	+5V	70C	127MA	25MXMHZ	R008	SIE	SN74166N
FLJ461-74166	TTL	SRG	SHIFT REGISTER,8 BIT,PISO/SIPO	DIL16P	+5V	70C	127MA	25MXMHZ	R008	SIE	SN74166N
FLJ465	TTL	SRG	SHIFT REGISTER,8 BIT,PISO/SIPO	DIL16P	+5V	85C	127MA	25MXMHZ	R008	SIE	SN84166N
FLJ471	TTL	MLT	RATE MULTIPLIER,4 BIT,DEC,SYNC	DIL16P	+5V	70C	99MA	25MXMHZ	Z007	SIE	SN74167N
FLJ471-74167	TTL	MLT	RATE MULTIPLIER,4 BIT,DEC,SYNC	DIL16P	+5V	70C	99MA	25MXMHZ	Z007	SIE	SN74167N
FLJ475	TTL	MLT	RATE MULTIPLIER,4 BIT,DEC,SYNC	DIL16P	+5V	85C	99MA	25MXMHZ	Z007	SIE	SN84167N
FLJ481	TTL	SRG	SHIFT REG, 8 BIT, DUAL	DIL14P	+5V	70C	350MW	18MXMHZ	R059	SIE	TL4932N
FLJ485	TTL	SRG	SHIFT REG, 8 BIT, DUAL	DIL14P	+5V	85C	350MW	18MXMHZ	R059	SIE	TL49832N
FLJ491	TTL	FFD	FF/D, QUAD	DIL16P	+5V	70C	170MW	25MXMHZ	F058	SIE	TL49702N
FLJ491-49702	TTL	FFD	FF/D, QUAD	DIL16P	+5V	70C	170MW	25MXMHZ	F058	SIE	TL49702N
FLJ495	TTL	FFD	FF/D, QUAD	DIL16P	+5V	85C	170MW	25MXMHZ	F058	SIE	TL49802N
FLJ501	TTL	CTR	COUNTER, BINARY, DUAL	DIL16P	+5V	70C	480MW	35MXMHZ	C050	SIE	TL49704N
FLJ501-49704	TTL	CTR	COUNTER, BINARY, DUAL	DIL16P	+5V	70C	480MW	35MXMHZ	C050	SIE	TL49704N
FLJ505	TTL	CTR	COUNTER, BINARY, DUAL	DIL16P	+5V	85C	480MW	35MXMHZ	C050	SIE	TL49804N
FLJ505-49804	TTL	CTR	COUNTER, BINARY, DUAL	DIL16P	+5V	85C	480MW	35MXMHZ	C050	SIE	TL49804N
FLJ511	TTL	CTR	COUNTER, DECADE, DUAL	DIL16P	+5V	70C	480MW	35MXMHZ	C051	SIE	TL49705N
FLJ511-49705	TTL	CTR	COUNTER, DECADE, DUAL	DIL16P	+5V	70C	480MW	35MXMHZ	C051	SIE	TL49705N
FLJ515	TTL	CTR	COUNTER, DECADE, DUAL	DIL16P	+5V	85C	480MW	35MXMHZ	C051	SIE	TL49805N
FLJ515-49805	TTL	CTR	COUNTER, DECADE, DUAL	DIL16P	+5V	85C	480MW	35MXMHZ	C051	SIE	TL49805N
FLJ521	TTL	FFJ	FF/JK, MASTER SLAVE, DUAL	DIL14C	+5V	70C	280MW	30MXNS	F046	SIE	SN74115N
FLJ521-74115	TTL	FFJ	FF/JK, MASTER-SLAVE, DUAL	DIL14C	+5V	70C	280MW	30MXNS	F046	SIE	SN74115N
FLJ525	TTL	FFJ	FF/JK, MASTER-SLAVE, DUAL	DIL14C	+5V	85C	280MW	30MXNS	F046	SIE	SN84115N
FLJ525-84115	TTL	FFJ	FF/JK, MASTER-SLAVE, DUAL	DIL14C	+5V	85C	280MW	30MXNS	F046	SIE	SN84115N
FLJ531	TTL	FFD	FF/D, EDGE TRIG,COMM R/CK, HEX	DIL16P	+5V	70C	65MA	25MXMHZ	F025	SIE	SN74174N

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
FLJ531-74175	TTL	FFD	FF/D, EDGE TRIG,COMM R/CK, HEX	DIL16P	+5V	70C	65MA	25MXMHZ	F025	SIE	SN74174N
FLJ535	TTL	FFD	FF/D, EDGE TRIG,COMM R/CK, HEX	DIL16P	+5V	85C	65MA	25MXMHZ	F025	SIE	SN84174N
FLJ541	TTL	FFD	FF/D, ET,COM R/CK,COMP OP,QUAD	DIL16P	+5V	70C	45MA	25MXMHZ	F026	SIE	SN74174N
FLJ541-74175	TTL	FFD	FF/D, ET,COM R/CK,COMP OP,QUAD	DIL16P	+5V	70C	45MA	25MXMHZ	F026	SIE	SN74175N
FLJ545	TTL	FFD	FF/D, ET,COM R/CK,COMP OP,QUAD	DIL16P	+5V	85C	45MA	25MXMHZ	F026	SIE	SN74175N
FLJ551	TTL	SRG	SHIFT REGISTER, 4 BIT,L/R,PIPO	DIL16P	+5V	70C	63MA	25MXMHZ	R013	SIE	SN74194N
FLJ551-74194	TTL	SRG	SHIFT REGISTER, 4 BIT,L/R,PIPO	DIL16P	+5V	70C	63MA	25MXMHZ	R013	SIE	SN74194N
FLJ555	TTL	SRG	SHIFT REGISTER, 4 BIT,L/R,PIPO	DIL16P	+5V	85C	63MA	25MXMHZ	R013	SIE	SN84194N
FLJ561	TTL	SRG	SHIFT REGISTER,4 BIT, PIPO	DIL16P	+5V	70C	63MA	25MXMHZ	R014	SIE	SN74195N
FLJ561-74109	TTL	FFJ	FF/J(-K), +ET,SEP S/R/CK, DUAL	DIL16P	+5V	70C	30MA	25MXMHZ	F021	SIE	SN74109N
FLJ561-74176	TTL	CTR	COUNTER,DEC,2X5 DIV,PROG,LATCH	DIL14P	+5V	70C	48MA	35MXMHZ	C007	SIE	SN74176N
FLJ561-74177	TTL	CTR	COUNTER,HEX,2X8 DIV,PROG,LATCH	DIL14C	+5V	70C	48MA	35MXMHZ	C007	SIE	SN74177N
FLJ561-74195	TTL	SRG	SHIFT REGISTER,4 BIT, PIPO	DIL16P	+5V	70C	63MA	25MXMHZ	R014	SIE	SN74195N
FLJ565	TTL	SRG	SHIFT REGISTER,4 BIT, PIPO	DIL16P	+5V	85C	63MA	25MXMHZ	R014	SIE	SN84195N
FLJ565-84109	TTL	FFJ	FF/J(-K), +ET,SEP S/R/CK, DUAL	DIL16P	+5V	85C	30MA	25MXMHZ	F021	SIE	SN84109N
FLJ565-84176	TTL	CRE	COUNTER,DEC,2X5 DIV,PROG,LATCH	DIL14P	+5V	70C	48MA	35MXMHZ	C007	SIE	SN84176N
FLJ565-84177	TTL	CTR	COUNTER,HEX,2X8 DIV,PROG,LATCH	DIL14C	+5V	85C	48MA	35MXMHZ	C007	SIE	SN84177N
FLJ571	TTL	CVR	CONVERTER,BINARY TO BCD,6BT,OC	DIL16P	+5V	70C	99MA	40MXNS	K001	SIE	SN74185AN
FLJ575	TTL	CVR	CONVERTER,BINARY TO BCD,6BT,OC	DIL16P	+5V	85C	99MA	40MXNS	K001	SIE	SN84185AN
FLK101	TTL	MON	MONOSTABLE MULTI, SCHMITT TRIG	DIL14P	+5V	70C	40MA	-	U001	SIE	SN74121N
FLK101-74121	TTL	MON	MONOSTABLE MULTI, SCHMITT TRIG	DIL14P	+5V	70C	40MA	-	U001	SIE	SN74121N
FLK105	TTL	MON	MONOSTABLE MULTI, SCHMITT TRIG	DIL14P	+5V	85C	40MA	-	U001	SIE	SN84121N
FLK105-84121	TTL	MON	MONOSTABLE MULTI, SCHMITT TRIG	DIL14P	+5V	85C	40MA	-	U001	SIE	SN84121N
FLK111	TTL	MON	MONOSTABLE,MULTI,RETRIG,WITH R	DIL14P	+5V	70C	28MA	-	U002	SIE	SN74122N
FLK111-74122	TTL	MON	MONOSTABLE,MULTI,RETRIG,WITH R	DIL14P	+5V	70C	28MA	-	U002	SIE	SN74122N
FLK115	TTL	MON	MONOSTABLE,MULTI,RETRIG,WITH R	DIL14P	+5V	85C	28MA	-	U002	SIE	SN84122N
FLK115-84122	TTL	MON	MONOSTABLE,MULTI,RETRIG,WITH R	DIL14P	+5V	85C	28MA	-	U002	SIE	SN84122N
FLK121	TTL	MON	MONOSTABLE,MULTI,RETRIG, DUAL	DIL16P	+5V	70C	66MA	-	U003	SIE	SN74123N
FLK121-74123	TTL	MON	MONOSTABLE,MULTI,RETRIG, DUAL	DIL16P	+5V	70C	66MA	-	U003	SIE	SN74123N
FLK125	TTL	MON	MONOSTABLE,MULTI,RETRIG, DUAL	DIL16P	+5V	85C	66MA	-	U003	SIE	SN84123N
FLK125-84123	TTL	MON	MONOSTABLE,MULTI,RETRIG, DUAL	DIL16P	+5V	85C	66MA	-	U003	SIE	SN84123N
FLL101	TTL	DSP	DISPLAY DRVR,60V,BCD-DEC,NIXIE	DIL16P	+5V	70C	25MA	-	D008	SIE	SN74141N
FLL101-74141	TTL	DSP	DISPLAY DRVR,60V,BCD-DEC,NIXIE	DIL16P	+5V	70C	25MA	-	D008	SIE	SN74141N
FLL105	TTL	DSP	DISPLAY DRVR,60V,BCD-DEC,NIXIE	DIL16P	+5V	85C	25MA	-	D008	SIE	SN84141N
FLL111	TTL	DSP	DECODER,BCD-DEC,OC 30V,4-10 LN	DIL16P	+5V	70C	70MA	50MXNS	D001	SIE	SN7445N
FLL111-7445	TTL	DSP	DECODER,BCD-DEC,OC 30V,4-10 LN	DIL16P	+5V	70C	70MA	50MXNS	D001	SIE	SN7445N
FLL111T	TTL	DYR	DRIVER,80MA, BCD-DEC DECODR,OC	DIL16P	+5V	70C	70MA	50MXNS	D001	SIE	SN74145N
FLL111T74145	TTL	DVR	DRIVER,80MA, BCD-DEC DECODR,OC	DIL16P	+5V	70C	70MA	50MXNS	D001	SIE	SN74145N
FLL115	TTL	DSP	DECODER,BCD-DEC,OC 30V,4-10 LN	DIL16P	+5V	85C	70MA	50MXNS	D001	SIE	SN8445N
FLL115-8445	TTL	DSP	DECODER,BCD-DEC,OC 30V,4-10 LN	DIL16P	+5V	85C	70MA	50MXNS	D001	SIE	SN8445N
FLL115T	TTL	DVR	DRIVER,80MA, BCD-DEC DECODR,OC	DIL16P	+5V	85C	70MA	50MXNS	D001	SIE	SN84145N
FLL115T84145	TTL	DVR	DRIVER,80MA, BCD-DEC DECODR,OC	DIL16P	+5V	85C	70MA	50MXNS	D001	SIE	SN84145N
FLL121	TTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 30V	DIL16P	+5V	70C	103MA	200MXNS	D011	SIE	SN7446AN
FLL121-7446A	TTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 30V	DIL16P	+5V	70C	103MA	200MXNS	D011	SIE	SN7446AN
FLL121T	TTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 15V	DIL16C	+5V	70C	103MA	200MXNS	D011	SIE	SN7447N
FLL121T7447	TTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 15V	DIL16C	+5V	70C	103MA	200MXNS	D011	SIE	SN7447N
FLL121U	TTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 30V	DIL16P	+5V	70C	103MA	200MXNS	D011	SIE	SN7446AN
FLL121U7446A	TTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 30V	DIL16P	+5V	70C	103MA	200MXNS	D011	SIE	SN7446AN
FLL121V	TTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 15V	DIL16P	+5V	70C	103MA	200MXNS	D011	SIE	SN7447AN
FLL121V7447A	TTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 15V	DIL16P	+5V	70C	103MA	200MXNS	D011	SIE	SN7447AN
FLL125	TTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 30V	DIL16P	+5V	85C	103MA	200MXNS	D011	SIE	SN8446N
FLL125-8446	TTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 30V	DIL16P	+5V	85C	103MA	200MXNS	D011	SIE	SN8446N
FLL125T	TTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 15V	DIL16C	+5V	85C	103MA	200MXNS	D011	SIE	SN8447N
FLL125T8447	TTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 15V	DIL16C	+5V	85C	103MA	200MXNS	D011	SIE	SN8447N
FLL125U	TTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 30V	DIL16P	+5V	85C	103MA	200MXNS	D011	SIE	SN8446AN
FLL125U8446A	TTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 30V	DIL16P	+5V	85C	103MA	200MXNS	D011	SIE	SN8446AN
FLL125V	TTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 15V	DIL16P	+5V	85C	103MA	200MXNS	D011	SIE	SN8447AN
FLL125V8447A	TTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 15V	DIL16P	+5V	85C	103MA	200MXNS	D011	SIE	SN8447AN
FLL131	TTL	NAN	NAND X2 + AND X2, OC 30V OP	DIL16P	+5V	70C	-	40MXNS	N028	SIE	TL49700N
FLL131-49700	TTL	NAN	NAND X2 + AND X2, OC 60V OP	DIL16P	+5V	70C	-	40MXNS	N028	SIE	TL49700N
FLL131T	TTL	NAN	NAND X2 + AND X2, OC 60V OP	DIL16P	+5V	70C	-	40MXNS	N028	SIE	TL49700NS1
FLL131T49700S	TTL	NAN	NAND X2 + AND X2, OC 60V OP	DIL16P	+5V	70C	-	40MXNS	N028	SIE	TL49700NSI
FLL135	TTL	NAN	NAND X2 + AND X2, OC 30V OP	DIL16P	+5V	85C	-	40MXNS	N028	SIE	TL49800N
FLL135T	TTL	NAN	NAND X2 + AND X2, OC 60V OP	DIL16P	+5V	85C	-	40MXNS	N028	SIE	TL49800N
FLL141	TTL	DVR	DRIVER, OC 30V OP, QUAD	DIL16P	+5V	70C	160MW	22MXNS	B029	SIE	TL49701N
FLL141-49701	TTL	DVR	DRIVER, OC 30V OP, QUAD	DIL16P	+5V	70C	160MW	22MXNS	B029	SIE	TL49701N
FLL141T	TTL	DVR	DRIVER, OC 60V OP, QUAD	DIL16P	+5V	70C	160MW	22MXNS	B029	SIE	TL49701NS1
FLL141T49701S	TTL	DVR	DRIVER, OC 60V OP, QUAD	DIL16P	+5V	70C	160MW	22MXNS	B029	SIE	TL49701NS1
FLL145	TTL	DVR	DRIVER, OC 30V OP, QUAD	DIL16P	+5V	85C	160MW	22MXNS	B029	SIE	TL49801N
FLL145T	TTL	DVR	DRIVER, OC 60V OP, QUAD	DIL16P	+5V	85C	160MW	22MXNS	B029	SIE	TL49801N
FLL151	TTL	DSP	DISPLAY DRVR,60V,COUNTER,LATCH	DIL16P	+5V	70C	102MA	20MXMHZ	D019	SIE	SN74142N
FLL151-74142	TTL	DSP	DISPLAY DRVR,60V,COUNTER,LATCH	DIL16P	+5V	70C	102MA	20MXMHZ	D019	SIE	SN74142N
FLL155	TTL	DSP	DISPLAY DRVR,60V,COUNTER,LATCH	DIL16P	+5V	85C	102MA	20MXMHZ	D019	SIE	SN84142N
FLL171	TTL	DSP	DRIVER,LED,7-SGMT,5V,CNTR,LTCH	DIL24P	+5V	70C	93MA	12MXMHZ	D020	SIE	SN74143N
FLL171-74143	TTL	DSP	DRIVER,LED,7-SGMT,5V,CNTR,LTCH	DIL24P	+5V	70C	93MA	12MXMHZ	D020	SIE	SN74143N

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
FLL171T	TTL	DSP	DRIVER,LAMP,7-SGT,15V,CTR,LTCH	DIL24P	+5V	70C	93MA	12MXMHZ	D026	SIE	SN74144N
FLL171T74144	TTL	DSP	DRIVER,LAMP,7-SGT,15V,CTR,LTCH	DIL24P	+5V	70C	93MA	12MXMHZ	D020	SIE	SN74144N
FLL175	TTL	DSP	DRIVER,LED,7-SGMT,5V,CNTR,LTCH	DIL24P	+5V	85C	93MA	12MXMHZ	D020	SIE	SN84143N
FLL175T	TTL	DSP	DRIVER,LAMP,7-SGT,15V,CTR,LTCH	DIL24P	+5V	85C	93MA	12MXMHZ	D020	SIE	SN84144N
FLQ101	TTL	MEM	RAM, 64=16X4 BIT, OC OP	DIL16P	+5V	70C	105MA	60MXNS	S001	SIE	SN7489N
FLQ101-7489	TTL	MEM	RAM, 64=16X4 BIT, OC OP	DIL16P	+5V	70C	105MA	60MXNS	S001	SIE	SN7489N
FLQ105	TTL	MEM	RAM, 64=16X4 BIT, OC OP	DIL16P	+5V	85C	105MA	60MXNS	S001	SIE	SN8489N
FLQ111	TTL	MEM	RAM, 16X1 BIT	DIL14P	+5V	70C	60MA	40MXNS	S002	SIE	SN7481AN
FLQ111-7481A	TTL	MEM	RAM, 16X1 BIT	DIL14P	+5V	70C	60MA	40MXNS	S002	SIE	SN7481AN
FLQ115	TTL	MEM	RAM, 16X1 BIT	DIL14P	+5V	85C	60MA	40MXNS	S002	SIE	SN8481AN
FLQ121	TTL	MEM	RAM, 16X1 BIT, OC OP	DIL16P	+5V	70C	60MA	28MXNS	S003	SIE	SN7484AN
FLQ121-7484A	TTL	MEM	RAM, 16X1 BIT, OC OP	DIL16P	+5V	70C	60MA	28MXNS	S003	SIE	SN7484AN
FLQ125	TTL	MEM	RAM, 16X1 BIT, OC OP	DIL16P	+5V	85C	60MA	28MXNS	S003	SIE	SN8484AN
FLQ131	TTL	MEM	RAM, SIM READ/WRITE,4X4 BIT,OC	DIL16P	+5V	70C	150MA	45MXNS	R009	SIE	SN74170N
FLQ131-74170	TTL	MEM	RAM, SIM READ/WRITE,4X4 BIT,OC	DIL16P	+5V	70C	150MA	45MXNS	R009	SIE	SN74170N
FLQ135	TTL	MEM	RAM, SIM READ/WRITE,4X4 BIT,OC	DIL16P	+5V	85C	150MA	45MXNS	R009	SIE	SN84170N
FLQ141	TTL	MEM	RAM, 256=256X1 BT, 3S OP	DIL16P	+5V	70C	850MW	45MXNS	S009	SIE	SN74200N
FLQ145	TTL	MEM	RAM, 256=256X1 BT, 3S OP	DIL16P	+5V	85C	850MW	45MXNS	S009	SIE	SN84200N
FLR101	TTL	MEM	ROM,256=32X8BT,OC,MASK PROGRAM	DIL16P	+5V	70C	80MA	35MXNS	S004	SIE	SN7488N
FLR105	TTL	MEM	ROM,256=32X8BT,OC,MASK PROGRAM	DIL16P	+5V	85C	80MA	35MXNS	S004	SIE	SN8488N
FLR111	TTL	MEM	ROM,1K=256X4 BT,OC OP,MASKABLE	DIL16P	+5V	70C	110MA	60MXNS	S006	SIE	SN74187N
FLR115	TTL	MEM	ROM,1K=256X4 BT,OC OP,MASKABLE	DIL16P	+5V	85C	110MA	60MXNS	S006	SIE	SN84187N
FLR121	TTL	MEM	PROM,256=32X8 BT,OC OP,FUZIBLE	DIL16C	+5V	70C	660MW	50MXNS	S007	SIE	SN74188AN
FLR125	TTL	MEM	PROM,256=32X8 BT,OC OP,FUZIBLE	DIL16C	+5V	85C	660MW	50MXNS	S007	SIE	SN84188AN
FLY101	TTL	EXP	EXPANDER, 4IP,OC,FOR AOI, DUAL	DIL14C	+5V	70C	4MA	30MXNS	E001	SIE	SN7460N
FLY101-7460	TTL	EXP	EXPANDER, 4IP,OC,FOR AOI, DUAL	DIL14C	+5V	70C	4MA	30MXNS	E001	SIE	SN7460N
FLY105	TTL	EXP	EXPANDER, 4IP,OC,FOR AOI, DUAL	DIL14C	+5V	85C	4MA	30MXNS	E001	SIE	SN8460N
FLY105-8460	TTL	EXP	EXPANDER, 4IP,OC,FOR AOI, DUAL	DIL14C	+5V	85C	4MA	30MXNS	E001	SIE	SN8460N
FLY111	TTL	MUX	MUX/DATA SELECTOR,16-TO-1 LINE	DIL24P	+5V	70C	68MA	35MXNS	M001	SIE	SN74150N
FLY111-74150	TTL	MUX	MUX/DATA SELECTOR,16-TO-1 LINE	DIL24P	+5V	70C	68MA	35MXNS	M001	SIE	SN74150N
FLY115	TTL	MUX	MUX/DATA SELECTOR,16-TO-1 LINE	DIL24P	+5V	85C	68MA	35MXNS	M001	SIE	SN84150N
FLY121	TTL	MUX	MUX/DATA SELECTOR, 8-TO-1 LINE	DIL16P	+5V	70C	48MA	35MXNS	M002	SIE	SN74151AN
FLY121-74151A	TTL	MUX	MUX/DATA SELECTOR, 8-TO-1 LINE	DIL16P	+5V	70C	48MA	35MXNS	M002	SIE	SN74151AN
FLY125	TTL	MUX	MUX/DATA SELECTOR, 8-TO-1 LINE	DIL16P	+5V	85C	48MA	35MXNS	M002	SIE	SN84151AN
FLY131	TTL	MUX	MUX/DATA SELECTOR,4-1 LIN,DUAL	DIL16P	+5V	70C	60MA	34MXNS	M004	SIE	SN74153N
FLY131-74153	TTL	MUX	MUX/DATA SELECTOR,4-1 LIN,DUAL	DIL16P	+5V	70C	60MA	34MXNS	M004	SIE	SN74153N
FLY135	TTL	MUX	MUX/DATA SELECTOR,4-1 LIN,DUAL	DIL16P	+5V	85C	60MA	34MXNS	M004	SIE	SN84153N
FLY141	TTL	DCD	DECODER/DEMUX, 4-TO-16 LINE	DIL24P	+5V	70C	56MA	31MXNS	D009	SIE	SN74154N
FLY141-74154	TTL	DCD	DECODER/DEMUX, 4-TO-16 LINE	DIL24P	+5V	70C	56MA	31MXNS	D009	SIE	SN74154N
FLY145	TTL	DCD	DECODER/DEMUX, 4-TO-16 LINE	DIL24P	+5V	85C	56MA	31MXNS	D009	SIE	SN84154N
FLY145-84154	TTL	DCD	DECODER/DEMUX, 4-TO-16 LINE	DIL24P	+5V	85C	56MA	31MXNS	D009	SIE	SN84154N
FLY151	TTL	DCD	DECODER/DEMUX,2-TO-4 LINE,DUAL	DIL16P	+5V	70C	40MA	32MXNS	D010	SIE	SN74155N
FLY151-74155	TTL	DCD	DECODER/DEMUX,2-TO-4 LINE,DUAL	DIL16P	+5V	70C	40MA	32MXNS	D010	SIE	SN74155N
FLY155	TTL	DCD	DECODER/DEMUX,2-TO-4 LINE,DUAL	DIL16P	+5V	85C	40MA	32MXNS	D010	SIE	SN84155N
FLY155-84155	TTL	DCD	DECODER/DEMUX,2-TO-4 LINE,DUAL	DIL16P	+5V	85C	40MA	32MXNS	D010	SIE	SN84155N
FLY161	TTL	DCD	DECODER/DEMUX,2-4 LINE,OC,DUAL	DIL16P	+5V	70C	40MA	34MXNS	D010	SIE	SN74156N
FLY161-74156	TTL	DCD	DECODER/DEMUX,2-4 LINE,OC,DUAL	DIL16P	+5V	70C	40MA	34MXNS	D010	SIE	SN74156N
FLY165	TTL	DCD	DECODER/DEMUX,2-4 LINE,OC,DUAL	DIL16P	+5V	85C	40MA	34MXNS	D010	SIE	SN84156N
FLY165-84156	TTL	DCD	DECODER/DEMUX,2-4 LINE,OC,DUAL	DIL16P	+5V	85C	40MA	34MXNS	D010	SIE	SN84156N
FLY171	TTL	MUS	MUX/DATA SELECTOR, 2-1 LN,QUAD	DIL16P	+5V	70C	48MA	27MXNS	M005	SIE	SN74157N
FLY171-74157	TTL	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	DIL16P	+5V	70C	48MA	27MXNS	M005	SIE	SN74157N
FLY175	TTL	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	DIL16P	+5V	85C	48MA	27MXNS	M005	SIE	SN84157N
FLY181	TTL	SYN	SYNCHRONIZER/DRIVER,PULSE,DUAL	DIL16P	+5V	70C	90MA	25MXNS	Z029	SIE	SN74120N
FLY181-74120	TTL	SYN	SYNCHRONIZER/DRIVER,PULSE,DUAL	DIL16P	+5V	70C	90MA	25MXNS	Z029	SIE	SN74120N
FLY185	TTL	SYN	SYNCHRONIZER/DRIVER,PULSE,DUAL	DIL16P	+5V	85C	90MA	25MXNS	Z029	SIE	SN84120N
GXB10100 SER	ECL	-	PHILIPS VERSION OF MC10100 SER	-	-5.2V	75C	-	-	-	PHI	MC10100 SER.
GXB10100D SER	ECL	-	PHILIPS VERSN OF MC10100L SER.	DIL--C	-5.2V	85C	-	-	-	PHI	MC10100L SER.
GXB10100P SER	ECL	-	PHILIPS VERSN OF MC10100P SER.	DIL--P	-5.2V	85C	-	-	-	PHI	MC10100P SER.
GXB10200D SER	ECL	-	PHILIPS VERSN OF MC10200L SER.	DIL--C	-5.2V	85C	-	-	-	PHI	MC10200L SER.
GXB10200P SER	ECL	-	PHILIPS VERSN OF MC10200P SER.	DIL--P	-5.2V	85C	-	-	-	PHI	MC10200P SER.
GXB10400D SER	ECL	MEM	PHILIPS VERSN OF MC10400L SER.	DIL--C	-5.2V	85C	-	-	-	PHI	MC10400L SER.
GXB10400E SER	ECL	MEM	PHILIPS VERSN OF MCM10400 SER.	DIL--M	-5.2V	85C	-	-	-	PHI	MCM10400L SER
GXB10400P	ECL	MEM	PHILIPS VERSN OF MCM10400 SER.	DIL--P	-5.2V	85C	-	-	-	PHI	MCM10400P SER
H00 SERIES	HTL	-	ADVERT JARGON FOR 74H00 SER	DIL--P	+5V	70C	-	-	-	VAR	74H00 SERIES
HBC4000A SER.	CMS	VAR	SGS VRSN OF CD4000A SERIES	-	+10V	125	-	-	-	SGS	CD4000A SER.
HBC4000AD SER	CMS	VAR	SGS VRSN OF CD4000AD SERIES	DIL--C	+10V	125	-	-	-	SGS	CD4000AD SER.
HBC4000AF SER	CMS	VAR	SGS VRSN OF CD4000AF SERIES	DIL--C	+10V	125	-	-	-	SGS	CD4000AF SER.
HBC4000AK SER	CMS	VAR	SGS VRSN OF CD4000AK SERIES	FLP---	+10V	125	-	-	-	SGS	CD4000AK SER.
HBC4036AD	CMS	MEM	RAM, 32(4X8)BT,BINARY ADDRESSG	DIL24C	+10V	125	-	-	S018	SGS	CD4036AD
HBC4039AD	CMS	MEM	RAM, 32(4X8)BT,DIR WRD LN ADDR	DIL24C	+15V	125	-	-	S017	SGS	CM4039AD
HBC4055AD	CMS	DSP	DISPLAY DRIVER,LCD,BCD-7SG DEC	DIL16C	+10V	125	-	-	D024	SGS	HBC4055AD
HBC4700AF SER	CMS	VAR	SGS SPECIAL NON-4700B SERIES	DIL--C	VAR	125	-	-	-	SGS	4700AF SERIES
HBC4704AF	CMS	DSP	DRIVER/DECODER,BCD-7SEGMENT	DIL16C	+10V	125	-	-	Z999	SGS	-
HBC4706AF	CMS	XXX	16 STAGE CAR CLOCK CCT,COMP OP	DIL8C	+10V	125	-	-	-	SGS	
HBC4714AE	CMS	XXX	QUARTZ XTAL 32 STAGE CAR CLOCK	DIL14C	+10V	125	-	-	Z999	SGS	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
HBC4715AF	CMS	SCH	SCHMITT TRIGGER, INVERTING,HEX	DIL14C	+10V	125	-	-	Z999	SGS	-
HBC4721AF	CMS	SCH	SCHMITT TRIGGER, NON INV, HEX	DIL14C	+10V	125	-	-	Z999	SGS	-
HBC4728AF	CMS	XXX	CAR CLOCK, 23 STAGE 64HZ OP	DIL14C	+10V	125	-	-	-	SGS	-
HBC4730AF	CMS	DVD	FREQ DIV,23 STAGE,ADJ,0.5HZ OP	DIL14C	+10V	125	-	-	-	SGS	-
HBC4731AF	CMS	DVD	FREQ DIV, 16 STAGE,ADJ,64HZ OP	DIL14C	+10V	125	-	-	-	SGS	-
HBC4740AF	CMS	DVD	COUNTER,7 STAGE,EL ORG OCT DVD	DIL14C	+10V	125	-	-	Z999	SGS	-
HBC4750AF	CMS	DVD	DIVIDER,23 STAGE,ADJ,0.5HZ OP	DIL16C	+10V	125	-	-	Z999	SGS	-
HBC4752AF	CMS	DVD	DIVIDER,16 STAGE,ADJ,64HZ OP	DIL16C	+10V	125	-	-	Z999	SGS	-
HBF4000A SER	CMS	VAR	SGS VRSN OF CD4000A SERIES	-	+10V	85C	-	-	-	SGS	CD4000A SER.
HBF4000AE SER	CMS	VAR	SGS VRSN OF CD4000AE SERIES	DIL--P	+10V	85C	-	-	-	SGS	CD4000AE SER.
HBF4000AF SER	CMS	VAR	SGS VRSN OF CD4000AY SERIES	DIL--C	+10V	85C	-	-	-	SGS	CD4000AY SER.
HBF4006AF	CMS	SRG	SHIFT REGISTER, 18 BIT, STATIC	DIL14C	+10V	85C	-	-	R043	SGS	CD4006MW
HBF4007AF	CMS	INV	COMPLMT. PAIR + INVERTER, DUAL	DIL14C	+10V	75C	-	-	I005	SGS	CD4007CJ
HBF4008AF	CMS	ADD	ADDER, FULL,4BT,PARALLEL CARRY	DIL16C	+10V	85C	-	-	Z047	SGS	CD4008AD
HBF4013AF	CMS	FFD	FF/D, SET RESET, DUAL	DIL14C	+10V	85C	-	-	F051	SGS	CD4013AD
HBF4017AF	CMS	CTR	COUNTER/DIVIDER, DECADE,SYNCHR	DIL16C	+10V	85C	-	-	C024	SGS	CD4017AD
HBF4018AF	CMS	CTR	COUNTER, DIV BY N(2-10),SYNCHR	DIL16C	+10V	85C	-	-	C025	SGS	CD4018AD
HBF4019AF	CMS	AOR	AND/OR, 2IP, QUAD	DIL16C	+10V	85C	-	-	Y026	SGS	CD4019AD
HBF4020AF	CMS	CTR	COUNTER/DIVIDER, 14BT,BIN,RPPL	DIL16C	+10V	85C	-	-	C026	SGS	CM4020AE
HBF4022AF	CMS	CTR	COUNTER/DIVIDER, DIV BY 8,SYNC	DIL16C	+10V	85C	-	-	C027	SGS	CD4022AD
HBF4024AF	CMS	CTR	COUNTER, 7BT,BINARY,RIPPLE	DIL14C	+10V	85C	-	-	C028	SGS	CD4024AD
HBF4026BF	CMS	DSP	DISPLAY DRIVER, 7SGT, DECADE	DIL16C	+15V	85C	-	-	C029	SGS	CD4026BD
HBF4027AF	CMS	FFJ	FF/JK, MASTER SLAVE, DUAL	DIL16C	+10V	85C	-	-	F052	SGS	CD4027AD
HBF4028AF	CMS	DCD	DECODER, BCD-DECML,BNARY-OCTAL	DIL--C	+10V	85C	-	-	D022	SGS	CD4028AD
HBF4029AF	CMS	CTR	COUNTER,UP/DWN, DECADE,SYNCHR.	DIL16C	+10V	85C	-	-	C030	SGS	CD4029AD
HBF4031AF	CMS	SRG	SHIFT REG, 64BT,SERIAL IP,STAT	DIL16C	+10V	85C	-	-	R047	SGS	CD4031AD
HBF4032AF	CMS	ADD	ADDER, SERIAL,ACT HIGH, TRIPLE	DIL16C	+10V	85C	-	-	Z049	SGS	CM4032AD
HBF4033AF	CMS	DSP	DISPLAY DRIVER, 7SGT, DECADE	DIL--C	+10V	85C	-	-	C031	SGS	CD4033AD
HBF4034AF	CMS	SRG	SHIFT REG, 8BT,BIDIR BUS,STAT	DIL24C	+10V	85C	-	-	R048	SGS	CD4034AD
HBF4035AF	CMS	SRG	SHIFT REG, 4BT, PIPO	DIL16C	+10V	85C	-	-	R049	SGS	CD4035AD
HBF4036AF	CMS	MEM	RAM, 32(4X8)BT,BINARY ADDRESSG	DIL24C	+10V	85C	-	-	S018	SGS	CD4036AD
HBF4036AE	CMS	MEM	RAM, 32(4X8)BT,BINARY ADDRESSG	DIL24P	+10V	85C	-	-	S018	SGS	CD4036AE
HBF4037AF	CMS	AOR	AND/OR, BIPHASE PAIRS, TRIPLE	DIL14C	+10V	85C	-	-	Y029	SGS	CD4037AD
HBF4038AF	CMS	ADD	ADDER, SERIAL,ACT LOW, TRIPLE	DIL16C	+10V	85C	-	-	Z050	SGS	CD4083AD
HBF4039AF	CMS	MEM	RAM, 32(4X8)BT,DIR WRD LN ADDR	DIL24C	+15V	85C	-	-	S017	SGS	CM4039AF
HBF4039AE	CMS	MEM	RAM, 32(4X8)BT,DIR WRD LN ADDR	DIL24P	+15V	85C	-	-	S017	SGS	CM4039AE
HBF4040AF	CMS	CTR	COUNTER, 12BT,BINARY,RIPPLE	DIL16C	+10V	85C	-	-	C032	SGS	CD4040AD
HBF4042AF	CMS	LCH	LATCH, D TYPE,CLOCKED, QUAD	DIL16C	+10V	85C	-	-	L018	SGS	CD4042AD
HBF4045AF	CMS	CTR	COUNTER, OSC,21BT BINRY,RIPPLE	DIL16C	+10V	85C	-	-	C033	SGS	CD4045AD
HBF4050AF	CMS	BUF	BUFFER, NON INVERTING, HEX	DIL16C	+10V	85C	-	-	B017	FAS	CD4050AD
HBF4055AF	CMS	DSP	DISPLAY DRIVER,LCD,BCD-7SG DEC	DIL16C	+10V	85C	-	-	D024	SGS	HBC4055AD
HBF4055AE	CMS	DSP	DISPLAY DRIVER,LCD,BCD-7SG DEC	DIL16P	+10V	85C	-	-	D024	SGS	-
HBF4057AD	CMS	ALU	ARITHMETIC LOGIC UNIT, LSI	DIL28C	+10V	85C	-	-	W005	SGS	CD4057AD
HBF4059AD	CMS	CTR	COUNTER, DIV BY N PROGRAM SYNC	DIL24C	+10V	85C	-	-	C047	SGS	CD4059AD
HBF4060AF	CMS	CTR	COUNTER+OSC,14BT,BINARY,RIPPLE	DIL16C	+10V	85C	-	-	C034	SGS	CD4060AD
HBF4066AF	CMS	SWT	SWITCH, SPST,BILATERAL, QUAD	DIL14C	+10V	85C	-	-	Z054	SGS	CD4066AD
HBF4700AE SER	CMS	VAR	SGS SPECIAL NON-4700B SERIES	DIL--P	VAR	85C	-	-	-	SGS	4700AE SERIES
HBF4700AE	CMS	XXX	CAR CLOCK 16-STAGE OSC/DIV CCT	DIL8P	+10V	85C	-	-	Z999	SGS	-
HBF4704AE	CMS	DSP	DRIVER/DECODER,BCD-7SEGMENT	DIL16P	+10V	85C	-	-	Z999	SGS	-
HBF4706AE	CMS	XXX	16 STAGE CAR CLOCK CCT,COMP OP	DIL8P	+10V	85C	-	-	Z999	SGS	-
HBF4714AE	CMS	XXX	QUARTZ XTAL 32 STAGE CAR CLOCK	DIL14P	+10V	85C	-	-	Z999	SGS	-
HBF4715AE	CMS	SCH	SCHMITT TRIGGER, INVERTING,HEX	DIL14P	+10V	85C	-	-	Z999	SGS	-
HBF4721AE	CMS	SCH	SCHMITT TRIGGER, NON INV, HEX	DIL14P	+10V	85C	-	-	Z999	SGS	-
HBF4727AE	CMS	DVD	COUNTER,7 STAGE,EL ORG DIVIDER	DIL14P	+15V	85C	-	-	-	SGS	-
HBF4728AE	CMS	XXX	CAR CLOCK, 23 STAGE 64HZ OP	DIL14P	+10V	85C	-	-	-	SGS	-
HBF4730AE	CMS	DVD	FREQ DIV,23 STAGE,ADJ,0.5HZ OP	DIL14P	+10V	85C	-	-	-	SGS	-
HBF4731AE	CMS	DVD	FREQ DIV, 16 STAGE,ADJ,64HZ OP	DIL14P	+10V	85C	-	-	-	SGS	-
HBF4740AE	CMS	DVD	COUNTER,7 STAGE,EL ORG OCT DVD	DIL14P	+10V	85C	-	-	Z999	SGS	-
HBF4750AE	CMS	DVD	DIVIDER,23 STAGE,ADJ,0.5HZ O/P	DIL16P	+10V	85C	-	-	Z999	SGS	-
HBF4752AE	CMS	DVD	DIVIDER,16 STAGE,ADJ,64 HZ O/P	DIL16P	+10V	85C	-	-	Z999	SGS	-
HCC4000B SER	CMS	VAR	SGS VRSN OF CD4000B SERIES	-	+15V	125	-	-	-	SGS	CD4000B SER.
HCC4000BD SER	CMS	VAR	SGS VRSN OF CD4000BD SERIES	DIL--C	+15V	125	-	-	-	SGS	CD4000BD SER
HCC4000BF SER	CMS	VAR	SGS VRSN OF CD4000BF SERIES	DIL--C	+15V	125	-	-	-	SGS	CD4000BF SER.
HCC4000BK SER	CMS	VAR	SGS VRSN OF CD4000BK SERIES	FLP---	+15V	125	-	-	-	SGS	CD4000BK SER.
HCC40104BF	CMS	SRG	SHIFT REG, 4 BIT,L/R, 3S	DIL16C	+15V	125	-	-	R052	SGS	-
HCF4000B SER.	CMS	VAR	SGS VRSN OF CD4000B SERIES	-	+15V	85C	-	-	-	SGS	CD4000B SER.
HCF4000BE SER	CMS	VAR	SGS VRSN OF CD4000BE SERIES	DIL--P	+15V	85C	-	-	-	SGS	CD4000BE SER
HCF4000BF	CMS	VAR	SGS VRSN OF CD4000BY SERIES	DIL--C	+15V	85C	-	-	-	SGS	CD4000BY SER.
HCF4000BF	CMS	NOR	NOR, 3 IP + INVERTER, DUAL	DIL14C	+15V	85C	-	-	Q016	SGS	CD4000BD
HCF4026BF	CMS	DSP	DISPLAY DRIVER, 7SGT, DECADE	DIL16C	+15V	85C	-	-	C029	SGS	-
HCF4041UBF	CMS	INV	INVERTER/BUFFER, TRUE CMP,QUAD	DIL14C	+15V	85C	-	-	I006	SGS	CD4041UBD
HCF4054BF	CMS	DSP	DISPLAY DRIVER,LCD,BCD-7SG DEC	DIL16C	+15V	85C	-	-	D023	SGS	CD4050AD
HCF4055BF	CMS	DSP	DISPLAY DRIVER,LCD,BCD-7SG DEC	DIL16C	+15V	85C	-	-	D024	SGS	CD4055BD
HCF4056BF	CMS	DSP	DISPLAY DRIVER,LCD,BCD-7SG DEC	DIL16C	+15V	85C	-	-	D025	SGS	CD4056BD
HCF4063BF	CMS	CMP	COMPARATOR, MAGNITUDE, 4 BIT	DIL16C	+15V	85C	-	-	Z053	SGS	CD4063BD

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
HCF4095BF	CMS	FFJ	FF/JK, MASTER SLAVE, NON INV	DIL14C	+10V	85C	-	-	F054	SGS	CD4095BD
HCF4096BF	CMS	FFJ	FF/JK,MASTER SLAVE,INV+NON INV	DIL14C	+15V	85C	-	-	F057	SGS	CD4096BD
HCF4097BF	CMS	XXX	MUX/DEMUX, DIFF,8CHANNEL, DUAL	DIL24C	+15V	85C	-	-	M026	SGS	CD4097BD
HCF4098BF	CMS	MON	MULTI, MONO,RETRIGGERABLE,DUAL	DIL16C	+15V	85C	-	-	U009	SGS	CD4098BD
HCF40100BF	CMS	SGS	SHIFT REG, 32 BIT,LEFT/RIGHT	DIL16C	+15V	85C	-	-	R051	SGS	-
HCF40101BF	CMS	PAR	PARITY GEN/CHECKER, 9 BIT	DIL14C	+15V	85C	-	-	Z056	SGS	HCF40101BF
HCF40102BF	CMS	CTR	COUNTER. BCD,DOWN,SYNC,PRESETT	DIL16C	+15V	85C	-	-	C035	SGS	-
HCF40103BF	CMS	CTR	COUNTER,BINARY,DOWN,SYNC,8 BIT	DIL16C	+15V	85C	-	-	C036	SGS	HCF40103BF
HCF40104BE	CMS	SRG	SHIFT REG, 4 BIT,L/R, 3S	DIL16P	+15V	85C	-	-	R052	SGS	-
HCF40104BF	CMS	SRG	SHIFT REG, 4 BIT,L/R, 3S	DIL16C	+15V	85C	-	-	R052	SGS	-
HCF40105BF	CMS	REG	FIFO,BUFFER,4BT WIDE,16BT LONG	DIL16C	+15V	85C	-	-	R053	SGS	-
HCF40106BF	CMS	SCH	SCHMITT, INVERTER, HEX	DIL14C	+15V	85C	-	-	I009	SGS	CD40106BMW
HCF40107BF	CMS	NAN	NAND, BUFFER/DRIVER, 2IP, DUAL	DIL8C	+15V	85C	-	-	B018	SGS	-
HCF40109BF	CMS	LSH	LEVEL SHIFTER,LO-HI VOLT, QUAD	DIL16C	+15V	85C	-	-	B019	SGS	HCF40109BF
HCF40181BD	CMS	MLT	RATE MULTIPLIER,ALU, 4 BIT	DIL24C	+15V	85C	-	-	Z057	SGS	-
HCF40182BF	CMS	MLT	RATE MULTIPLIER,ALU,LAHC BLOCK	DIL16C	+15V	85C	-	-	Z058	SGS	CD40182BD
HCF40208BF	CMS	REG	REGISTER,MULTIPORT,4X4 RW RAM	DIL24C	+15V	85C	-	-	R054	SGS	CD40208BD
HCF40257BF	CMS	MUX	MUX/DATA SELECTOR,2-1 LN, QUAD	DIL16C	+15V	85C	-	-	M027	SGS	CD40257BD
HD1-54C00 SER	CMS	-	HOUSE CODES FOR MM54C00J SER.	DIL--C	-	125	-	-	-	HAR	MM54C00J SER.
HD1-74C00 SER	CMS	-	HOUSE CODES FOR MM74C00J SER.	DIL--C	-	70C	-	-	-	HAR	MM74C00J SER.
HD174C00 SER.	CMS	VAR	HARRIS VRSN OF MM74C00J SERIES	DIL--C	+5V	85C	-	-	-	HAR	MM74C00J SER.
HD174C100 SER	CMS	VAR	HARRIS VRSN OF MM74C100J SER.	-	+5V	85C	-	-	-	HAR	MM74C100 SER.
HD374C00 SER.	CMS	VAR	HARRIS VRSN OF MM74C00N SERIES	DIL--P	+5V	85C	-	-	-	HAR	MM74C00N SER.
HD374C100 SER	CMS	VAR	HARRIS VRSN OF MM74C100N SER.	DIL--P	+5V	85C	-	-	-	HAR	MM74C100N SER
HD9-54C00 SER	CMS	-	HOUSE CODES FOR MM54C00W SER.	FLP---	-	125	-	-	-	HAR	MM54C00W
HD9-74C00 SER	CMS	-	HOUSE CODES FOR MM74C00W SER	FLP---	-	70C	-	-	-	HAR	MM74C00W
HD74C00 SER.	CMS	-	HOUSE CODES FOR MM74C00N SER.	DIL--P	-	70C	-	-	-	HIT	MM74C00N
HD74C00-1	CMS	-	HOUSE CODES FOR MM74C00J SER	DIL--C	+5V	70C	-	-	-	HAR	MM74C00J SER.
HD74LS00 SER.	LST	-	HOUSE CODES FOR SN74LS00N SER	DIL--P	-	70C	-	-	-	HIT	SN74LS00N SER
HD74LS00G SER	LST	-	HOUSE CODES FOR SN74LS00J SER.	DIL--C	-	75C	-	-	-	HIT	SN74LS00C SER
HD74LS00P SER	LST	-	HOUSE CODES FOR SN74LS00N SER.	DIL--P	-	75C	-	-	-	HIT	SN74LS00N SER
HD74S00 SER	HTL	-	HOUSE CODES FOR SN74S00N SER.	DIL--P	-	70C	-	-	-	HIT	SN74S00N
HD74S00G SER	STL	-	HOUSE CODES FOR SN74S00P SER.	DIL--C	-	70C	-	-	-	HIT	SN74LS00N SER
HD74S00P SER	STL	-	HOUSE CODES FOR SN74S00N SER.	DIL--P	-	70C	-	-	-	HIT	SN74LS00N SER
HD2501	-	-	OBSOLETE TTL IC	DIL--C	-	-	-	-	-	HIT	SN7440J
HD2501P	-	-	OBSOLETE TTL IC	DIL--P	-	-	-	-	-	HIT	SN7440N
HD2503	-	-	OBSOLETE TTL IC	DIL--C	-	-	-	-	-	HIT	SN7400J
HD2503P	-	-	OBSOLETE TTL IC	DIL--P	-	-	-	-	-	HIT	SN7400N
HD2504	-	-	OBSOLETE TTL IC	DIL--C	-	-	-	-	-	HIT	SN7420J
HD2504P	-	-	OBSOLETE TTL IC	DIL--P	-	-	-	-	-	HIT	SN7420N
HD2505	-	-	OBSOLETE TTL IC	DIL--C	-	-	-	-	-	HIT	SN74515
HD2505P	-	-	OBSOLETE TTL IC	DIL--P	-	-	-	-	-	HIT	SN7451N
HD2507	-	-	OBSOLETE TTL IC	DIL--C	-	-	-	-	-	HIT	SN7410J
HD2507P	-	-	OBSOLETE TTL IC	DIL--P	-	-	-	-	-	HIT	SN7410N
HD2508	-	-	OBSOLETE TTL IC	DIL--C	-	-	-	-	-	HIT	SN7430J
HD2508P	-	-	OBSOLETE TTL IC	DIL--P	-	-	-	-	-	HIT	SN7430N
HD2509	-	-	OBSOLETE TTL IC	DIL--C	-	-	-	-	-	HIT	SN7401J
HD2509P	-	-	OBSOLETE TTL IC	DIL--P	-	-	-	-	-	HIT	SN7401N
HD2510	-	-	OBSOLETE TTL IC	DIL--C	-	-	-	-	-	HIT	SN7474J
HD2510P	-	-	OBSOLETE TTL IC	DIL--P	-	-	-	-	-	HIT	SN7474N
HD2511	-	-	OBSOLETE TTL IC	DIL--C	-	-	-	-	-	HIT	SN7402J
HD2511P	-	-	OBSOLETE TTL IC	DIL--P	-	-	-	-	-	HIT	SN7402N
HD2514	-	-	OBSOLETE TTL IC	DIL--C	-	-	-	-	-	HIT	SN7454J
HD2514P	-	-	OBSOLETE TTL IC	DIL--P	-	-	-	-	-	HIT	SN7454N
HD2515	-	-	OBSOLETE TTL IC	DIL--C	-	-	-	-	-	HIT	SN7473J
HD2515P	-	-	OBSOLETE TTL IC	DIL--P	-	-	-	-	-	HIT	SN7473N
HD2516	-	-	OBSOLETE TTL IC	DIL--C	-	-	-	-	-	HIT	SN7476J
HD2516P	-	-	OBSOLETE TTL IC	DIL--P	-	-	-	-	-	HIT	SN7476N
HD2517	-	-	OBSOLETE TTL IC	DIL--C	-	-	-	-	-	HIT	SN7475J
HD2517P	-	-	OBSOLETE TTL IC	DIL--P	-	-	-	-	-	HIT	SN7475N
HD2519	-	-	OBSOLETE TTL IC	DIL--C	-	-	-	-	-	HIT	SN7490J
HD2519P	-	-	OBSOLETE TTL IC	DIL--P	-	-	-	-	-	HIT	SN7490N
HD2520	-	-	OBSOLETE TTL IC	DIL--C	-	-	-	-	-	HIT	SN7493J
HD2520P	-	-	OBSOLETE TTL IC	DIL--P	-	-	-	-	-	HIT	SN7493N
HD2522	-	-	OBSOLETE TTL IC	DIL--C	-	-	-	-	-	HIT	SN7404J
HD2522P	-	-	OBSOLETE TTL IC	DIL--P	-	-	-	-	-	HIT	SN7404N
HD2523	-	-	OBSOLETE TTL IC	DIL--C	-	-	-	-	-	HIT	SN7405J
HD2523P	-	-	OBSOLETE TTL IC	DIL--P	-	-	-	-	-	HIT	SN7405N
HD2526	-	-	OBSOLETE TTL IC	DIL--C	-	-	-	-	-	HIT	SN74107J
HD2526D	-	-	OBSOLETE TTL IC	DIL--P	-	-	-	-	-	HIT	SN74107N
HD2530	-	-	OBSOLETE TTL IC	DIL--C	-	-	-	-	-	HIT	SN74107J
HD2530P	-	-	OBSOLETE TTL IC	DIL--P	-	-	-	-	-	HIT	SN74107N
HD2531	-	-	OBSOLETE TTL IC	DIL--C	-	-	-	-	-	HIT	SN7445J
HD2531P	-	-	OBSOLETE TTL IC	DIL--P	-	-	-	-	-	HIT	SN7445N
HD2532	-	-	OBSOLETE TTL IC	DIL--C	-	-	-	-	-	HIT	SN7447J

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
HD2532P	-	-	OBSOLETE TTL IC	DIL--P	-	-	-	-	-	HIT	SN7447N
HD2534	-	-	OBSOLETE TTL IC	DIL--C	-	-	-	-	-	HIT	SN7495J
HD2534P	-	-	OBSOLETE TTL IC	DIL--P	-	-	-	-	-	HIT	SN7495N
HD2536	-	-	OBSOLETE TTL IC	DIL--C	-	-	-	-	-	HIT	SN7442J
HD2536P	-	-	OBSOLETE TTL IC	DIL--P	-	-	-	-	-	HIT	SN7442N
HD2541	-	-	OBSOLETE TTL IC	DIL--C	-	-	-	-	-	HIT	SN74192J
HD2541P	-	-	OBSOLETE TTL IC	DIL--P	-	-	-	-	-	HIT	SN74192N
HD2542	-	-	OBSOLETE TTL IC	DIL--C	-	-	-	-	-	HIT	SN74193J
HD2542P	-	-	OBSOLETE TTL IC	DIL--P	-	-	-	-	-	HIT	SN74193N
HD2543			OBSOLETE TTL IC	DIL--C	-	-	-	-	-	HIT	SN74121J
HD2543P	-	-	OBSOLETE TTL IC	DIL--P	-	-	-	-	-	HIT	SN74121N
HD2544	-	-	OBSOLETE TTL IC	DIL--C	-	-	-	-	-	HIT	SN7438J
HD2544P	-	-	OBSOLETE TTL IC	DIL--P	-	-	-	-	-	HIT	SN7438N
HD2548	-	-	OBSOLETE TTL IC	DIL--C	-	-	-	-	-	HIT	SN74150J
HD2548P	-	-	OBSOLETE TTL IC	DIL--P	-	-	-	-	-	HIT	SN74150N
HD2549	-	-	OBSOLETE TTL IC	DIL--C	-	-	-	-	-	HIT	SN74151J
HD2549P	-	-	OBSOLETE TTL IC	DIL--P	-	-	-	-	-	HIT	SN74151N
HD2550	-	-	OBSOLETE TTL IC	DIL--C	-	-	-	-	-	HIT	SN7408J
HD2550P	-	-	OBSOLETE TTL IC	DIL--P	-	-	-	-	-	HIT	SN7408J
HD2552	-	-	OBSOLETE TTL IC	DIL--C	-	-	-	-	-	HIT	SN7437J
HD2552P	-	-	OBSOLETE TTL IC	DIL--P	-	-	-	-	-	HIT	SN7437N
HD2561	-	-	OBSOLETE TTL IC	DIL--C	-	-	-	-	-	HIT	SN74123J
HD2561P	-	-	OBSOLETE TTL IC	DIL--P	-	-	-	-	-	HIT	SN74123N
HD2564	-	-	OBSOLETE TTL IC	DIL--C	-	-	-	-	-	HIT	SN74153J
HD2564P	-	-	OBSOLETE TTL IC	DIL--P	-	-	-	-	-	HIT	SN74153N
HD7400G SER	TTL	-	HOUSE CODES FOR SN7400C SERIES	DIL--C	-	75C	-	-	-	HIT	SN7400J SER
HD7400P SER.	TTL	-	HOUSE CODES FOR SN7400P SERIES	DIL--P	-	75C	-	-	-	HIT	SN7400N SER
HD14000 SER.	CMS	VAR	HITACHI VRSN OF CD4000A SERIES	-	+10V	VAR	-	-	-	HIT	CD4000 SERIES
HD75000 SER.	TTL	VAR	HITACHI VRSN OF SN75000 SERIES	DIL--P	+5V	70C	-	-	-	HIT	SN75000N SER
HDD930 SERIES	DTL	-	HARRIS OBS VERSION 930 SERIES	-	+5V	-	-	-	-	HAR	930 SERIES
HDT54H00R SER	HTL	-	HOUSE CODES FOR SN54H00W SER	FLP14	-	125	-	-	-	HAR	SN54H00W SER
HEF4000B SER.	CMS	VAR	PHILIPS 85C VRSN CD4000B SER	DIL--	+10V	85C	-	-	-	PHI	CD4000B SER
HEF4000BD SER	CMS	VAR	PHILIPS 85C VRSN CD4000BY SER	DIL--C	+15V	85C	-	-	-	PHI	CD4000BY SER
HEF4000BP SER	CMS	VAR	PHILIPS 85C VRSN CD4000BE SER	DIL--P	+15V	85C	-	-	-	PHI	CD4000BE SER
HEF4000P SER	CMS	VAR	PHILIPS 85C VRSN CD4000AE SER	DIL--P	+10V	85C	-	-	-	PHI	CD4000AE SER
HEF4500B SER.	CMS	VAR	PHILIPS VRSN OF CD4500B SERIES	DIL--C	+10V	85C	-	-	-	PHI	CD4500B SER
HEF4500BD SER	CMS	VAR	PHILIPS VRSN OF CD4500BD SER.	DIL--C	+15V	85C	-	-	-	PHI	CD4500BD SER
HEF4500BP SER	CMS	VAR	PHILIPS VRSN OF CD4500B SERIES	DIL--P	+15V	85C	-	-	-	PHI	CD4500BE SER
HEF4700BD SER	CMS	VAR	CER DIL VRSN OF 4700B SERIES	DIL--C	+15V	85C	-	-	-	PHI	4700BDC SER
HEF4700BP SER	CMS	VAR	85C PLAS DIL VRSN OF 4700B SER	DIL--P	+15V	85C	-	-	-	PHI	4700BPC
HEF4700VP SER	CMS	VAR	PLAS DIL VRSN OF 4700 SERIES	DIL--P	+10V	85C	-	-	-	PHI	
HEF40000B SER	CMS	VAR	PHILIPS VRSN OF CD40000B SER	DIL--C	+15V	85C	-	-	-	PHI	CD40000B SER
HEF40000BD SR	CMS	VAR	PHILIPS VRSN OF CD40000BD SER	DIL--C	+15V	85C	-	-	-	PHI	CD40000BD SER
HEF40000BP SR	CMS	VAR	PHILIPS VRSN OF CD40000BE SER	DIL--P	+15V	85C	-	-	-	PHI	CD40000BE SER
HEF40000P SER	CMS		PHILIPS VRSN OF CD40000AE SER	DIL--P	+10V	85C	-	-	-	PHI	CD40000AE SER
HEPC0930 SER	DTL	-	MOTOPOLA SVCE SUBSTIT 930 SER	-	+5V	75C	-	-	-	MOT	930 SERIES
HEPC7400P SER	TTL		SERVICE EQVTS FOR SN7400N SER.	DIL--P	-	70C	-	-	-	MOT	SN7400N SER
HEPC74100 SER	TTL	-	SERVICE EQVTS FOR SN74100N SER	DIL--P	-	70C	-	-	-	MOT	SN74100N SER
IDT7400 SER.	TTL	-	HOUSE CODES FOR SN7400N SERIES	DIL--P	-	70C	-	-	-	RIZ	SN7400N SER
ITT54H00J SER	HTL	-	HOUSE CODES FOR SN54H00J SER	DIL--C	-	125	-	-	-	ITT	SN54H00J SER
ITT74H00J SER	HTL	-	HOUSE CODES FOR	DIL--C	-	70C	-	-	-	ITT	SN74H00J SER
ITT74H00N SER	HTL	-	HOUSE CODES FOR	DIL--P	-	70C	-	-	-	HIT	SN74H00N SER
ITT54L00J SER	LTL	-	HOUSE CODES FOR	DIL--C	-	125	-	-	-	ITT	SN54L00J SER
ITT74L00J SER	LTL	-	HOUSE CODES FOR	DIL--C	-	70C	-	-	-	ITT	SN74L00J SER
ITT74L00N SER	LTL	-	HOUSE CODES FOR	DIL--P	-	70C	-	-	-	ITT	SN74L00N SER
ITT54LS00J SR	LST	-	HOUSE CODES FOR	DIL--C	-	125	-	-	-	ITT	SN54LS00J SER
ITT74LS00J SR	LST	-	HOUSE CODES FOR	DIL--C	-	70C	-	-	-	ITT	SN74LS00J SER
ITT74LS00N SR	LST	-	HOUSE CODES FOR	DIL--P	-	70C	-	-	-	ITT	SN74LS00N SER
ITT300 SERIES	HNL	-	ITT OBS VERSION OF 300 SERIES.	-	-	-	-	-	-	ITT	300 SERIES
ITT5400J SER.	TTL	-	HOUSE CODES FOR	DIL--C	-	125	-	-	-	ITT	SN5400J SER
ITT7400J SER	TTL	-	HOUSE CODES FOR	DIL--C	-	70C	-	-	-	ITT	SN7400J SER
ITT7400N SER.	TTL	-	HOUSE CODES FOR	DIL--P	-	125	-	-	-	RIZ	SN7400N FAM
LS00 SERIES	LST	-	ADVERT JARGON FOR 74LS00 SER.	DIL--P	+5V	70C	-	-	-	VAR	74LS00 SERIES
M5S000P	STL	-	HOUSE CODES FOR SN74S00N SER.	DIL--P	-	75C	-	-	-	MIT	SN74S00N SER
M54SC00 SER.	CMS	-	FAST VERSIONS OF MM54C00 SER	-	-	125	-	-	-	MIT	MD54SC00 SER
M74SC00 SER.	CMS	-	FAST VERSIONS OF MM74C00 SER.	-	-	70C	-	-	-	MIT	MD74SC00 SER
M74LS00P SER.	LST	-	HOUSE CODES FOR SN74LS00N SER.	DIL--P	-	75C	-	-	-	MIT	SN74LS00N SER
M5930 SERIES	DTL	-	MITSUBISHI OBS VRSN 930 SERIES	-	+5V	-	-	-	-	MIT	930 SERIES
M38510 SERIES	1ST	SUF	FIX S(=A),B,C =ASSURANCE LEVEL	2ND S	UFFIX	A,B	,D,F,	H,K =FLP	C,E	,J	= DIL:G,I=TO5
M38510/00101	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5430
M38510/00102	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5420
M38510/00103	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5410
M38510/00104	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5400
M38510/00105	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5404
M38510/00106	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5412

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
M38510/00107	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5401
M38510/00108	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5405
M38510/00109	TTL	-	MIL SPEC DEVICE	-	+5V	-	-	-	-	JAN	SN5403
M38510/00201	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5472
M38510/00202	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5473
M38510/00203	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54107
M38510/00204	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5476
M38510/00205	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5474
M38510/00206	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5470
M38510/00207	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5479
M38510/00301	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5440
M38510/00302	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5437
M38510/00303	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5438
M38510/00401	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5402
M38510/00402	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5423
M38510/00403	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5425
M38510/00404	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5427
M38510/00501	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5450
M38510/00502	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5451
M38510/00503	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5453
M38510/00504	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5454
M38510/00601	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5482
M38510/00602	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5483
M38510/00603	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	9304
M38510/00604	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5480
M38510/00701	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5486
M38510/00801	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5406
M38510/00802	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5416
M38510/00803	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5407
M38510/00804	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5417
M38510/00805	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5426
M38510/00901	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5495
M38510/00902	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5496
M38510/00903	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54164
M38510/00904	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54165
M38510/00905	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54194
M38510/00906	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54195
M38510/00907	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	9300
M38510/00908	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	9328
M38510/00909	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54198
M38510/00910	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54166
M38510/01001	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5442
M38510/01002	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5443
M38510/01003	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5444
M38510/01004	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5445
M38510/01005	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54145
M38510/01006	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5446
M38510/01007	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5447
M38510/01008	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5448
M38510/01009	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5449
M38510/01101	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54181
M38510/01102	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54182
M38510/01201	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54121
M38510/01202	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54122
M38510/01203	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54123
M38510/01204	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	9601
M38510/01205	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	9602
M38510/01301	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5492
M38510/01302	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5493
M38510/01303	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54160
M38510/01304	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54163
M38510/01305	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54162
M38510/01306	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54161
M38510/01307	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5490
M38510/01308	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54192
M38510/01309	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54193
M38510/01310	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54196
M38510/01311	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54197
M38510/01312	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54177
M38510/01401	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54150
M38510/01402	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	FAS	9312
M38510/01403	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54153
M38510/01404	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	9309
M38510/01405	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	9322,SN54157
M38510/01406	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54151

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
M38510/01501	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5475
M38510/01502	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5477
M38510/01503	-	-	MIL SPEC DEVICE	-	+5V	-	-	-	-	JAN	9308,SN54116
M38510/01504	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	9314
M38510/01601	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5408
M38510/01602	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5409
M38510/01701	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54174
M38510/01702	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54175
M38510/01703	TTL	-	MIL SPEC DEVICE	-	+5V	-	-	-	-	JAN	SN54173
M38510/01801	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54170
M38510/01901	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54180
M38510/02001	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54L30
M38510/02002	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54L20
M38510/02003	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54L10
M38510/02004	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54L00
M38510/02005	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54L04
M38510/02006	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54L01,54L03
M38510/02101	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54L71
M38510/02102	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54L72
M38510/02103	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54L73
M38510/02104	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54L78
M38510/02105	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54L74
M38510/02201	HTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54H72
M38510/02202	HTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54H73
M38510/02203	HTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54H74
M38510/02204	HTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54H76
M38510/02205	HTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54H101
M38510/02206	HTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54H103
M38510/02301	HTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54H30
M38510/02302	HTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54H20
M38510/02303	HTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54H10
M38510/02304	HTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54H00
M38510/02305	HTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54H04
M38510/02306	HTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54H01
M38510/02307	HTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54H22
M38510/02401	HTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54H40
M38510/02501	HTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54L90
M38510/02502	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54L93
M38510/02503	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54L193
M38510/02504	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	93L10
M38510/02505	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	93L16
M38510/02601	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54L86
M38510/02701	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54L02
M38510/02801	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54L95
M38510/02802	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54L164
M38510/02803	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	93L28
M38510/02804	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	93L00
M38510/02805	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	DM76L70
M38510/02901	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54L42
M38510/02902	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54L43
M38510/02903	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54L44
M38510/02904	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54L46
M38510/02905	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54L47
M38510/02906	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	DM76L42A
M38510/02907	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	93L01
M38510/03001	DTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	930
M38510/03002	DTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	935,940
M38510/03003	DTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	936
M38510/03004	DTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	946
M38510/03005	DTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	962
M38510/03101	DTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	932
M38510/03102	DTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	944
M38510/03103	DTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	957
M38510/03104	DTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	958
M38510/03105	DTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	933
M38510/03201	DTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	951
M38510/03301	DTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	945
M38510/03302	DTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	948
M38510/03303	DTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	950
M38510/03304	DTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	9093
M38510/03501	-	-	MIL SPEC DEVICE	-	-	125	-	-	-	JAN	MH0026
M38510/04001	HTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54H50
M38510/04002	HTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54H51
M38510/04003	HTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54H53
M38510/04004	HTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	-	SN54H54

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
M38510/04005	HTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54H55
M38510/04101	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54L51
M38510/04102	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54L54
M38510/04103	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54L55
M38510/04104	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54L54
M38510/04201	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54L121
M38510/04202	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54L122
M38510/04301	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	93L18
M38510/04401	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	93L24
M38510/04501	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	93L14
M38510/04502	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	93L08
M38510/04601	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	93L09
M38510/04602	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	93L12
M38510/04603	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	93L22
M38510/05001	CMS	-	MIL SPEC DEVICE	-	+10V	125	-	-	-	JAN	CD4011A
M38510/05002	CMS	-	MIL SPEC DEVICE	-	+10V	125	-	-	-	JAN	CD4012A
M38510/05003	CMS	-	MIL SPEC DEVICE	-	+10V	125	-	-	-	JAN	CD4023A
M38510/05051	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD4011B
M38510/05052	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD4012B
M38510/05053	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD4023B
M38510/05101	CMS	-	MIL SPEC DEVICE	-	+10V	125	-	-	-	JAN	CD4013A
M38510/05102	CMS	-	MIL SPEC DEVICE	-	+10V	125	-	-	-	JAN	CD4027A
M38510/05103	CMS	-	MIL SPEC DEVICE	-	+10V	125	-	-	-	JAN	CD4043A
M38510/05151	-	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD4013B
M38510/05152	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD4027B
M38510/05153	-	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD4043B
M38510/05201	CMS	-	MIL SPEC DEVICE	-	+10V	125	-	-	-	JAN	CD4000A
M38510/05202	CMS	-	MIL SPEC DEVICE	-	+10V	125	-	-	-	JAN	CD4001A
M38510/05203	CMS	-	MIL SPEC DEVICE	-	+10V	125	-	-	-	JAN	CD4002A
M38510/05204	CMS	-	MIL SPEC DEVICE	-	+10V	125	-	-	-	JAN	CD4025A
M38510/05251	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD4000B
M38510/05252	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD4001B
M38510/05253	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD4002B
M38510/05254	CMS	-	MIL SPEC DEVICE	-	+15V	-	-	-	-	JAN	CD4025B
M38510/05301	CMS	-	MIL SPEC DEVICE	-	+10V	125	-	-	-	JAN	CD4007A
M38510/05302	CMS	-	MIL SPEC DEVICE	-	+10V	125	-	-	-	JAN	CD4019A
M38510/05303	CMS	-	MIL SPEC DEVICE	-	+10V	125	-	-	-	JAN	CD4030A
M38510/05304	CMS	-	MIL SPEC DEVICE	-	+10V	125	-	-	-	JAN	CD4048A
M38510/05401	CMS	-	MIL SPEC DEVICE	-	+10V	125	-	-	-	JAN	CD4008A
M38510/05501	CMS	-	MIL SPEC DEVICE	-	+10V	125	-	-	-	JAN	CD4009A
M38510/05502	CMS	-	MIL SPEC DEVICE	-	+10V	125	-	-	-	JAN	CD4010A
M38510/05503	CMS	-	MIL SPEC DEVICE	-	+10V	125	-	-	-	JAN	CD4049A
M38510/05504	CMS	-	MIL SPEC DEVICE	-	+10V	125	-	-	-	JAN	CD4050A
M38510/05505	CMS	-	MIL SPEC DEVICE	-	+10V	125	-	-	-	JAN	CD4041A
M38510/05601	CMS	-	MIL SPEC DEVICE	-	+10V	125	-	-	-	JAN	CD4017A
M38510/05602	CMS	-	MIL SPEC DEVICE	-	+10V	125	-	-	-	JAN	CD4018A
M38510/05603	CMS	-	MIL SPEC DEVICE	-	+10V	125	-	-	-	JAN	CD4020A
M38510/05604	CMS	-	MIL SPEC DEVICE	-	+10V	125	-	-	-	JAN	CD4022A
M38510/05605	CMS	-	MIL SPEC DEVICE	-	+10V	125	-	-	-	JAN	CD4024A
M38510/05701	CMS	-	MIL SPEC DEVICE	-	+10V	125	-	-	-	JAN	CD4006A
M38510/05702	CMS	-	MIL SPEC DEVICE	-	+10V	125	-	-	-	JAN	CD4014A
M38510/05703	CMS	-	MIL SPEC DEVICE	-	+10V	125	-	-	-	JAN	CD4015A
M38510/05704	CMS	-	MIL SPEC DEVICE	-	+10V	125	-	-	-	JAN	CD4021A
M38510/05705	CMS	-	MIL SPEC DEVICE	-	+10V	125	-	-	-	JAN	CD4031A
M38510/05706	CMS	-	MIL SPEC DEVICE	-	+10V	125	-	-	-	JAN	CD4034A
M38510/05801	CMS	-	MIL SPEC DEVICE	-	+10V	125	-	-	-	JAN	CD4016A
M38510/05802	CMS	-	MIL SPEC DEVICE	-	+10V	125	-	-	-	JAN	CD4066A
M38510/05901	CMS	-	MIL SPEC DEVICE	-	+10V	-	-	-	-	JAN	CD4028A
M38510/06001	CMS	-	MIL SPEC DEVICE	-	-5.2V	125	-	-	-	JAN	MC10501
M38510/06002	CMS	-	MIL SPEC DEVICE	-	+10V	125	-	-	-	JAN	MC10502
M38510/06003	CMS	-	MIL SPEC DEVICE	-	-5.2V	125	-	-	-	JAN	MC10505
M38510/06004	CMS	-	MIL SPEC DEVICE	-	-5.2V	125	-	-	-	JAN	MC10506
M38510/06005	ECL	-	MIL SPEC DEVICE	-	-5.2V	125	-	-	-	JAN	MC10507
M38510/06006	ECL	-	MIL SPEC DEVICE	-	-5.2V	125	-	-	-	JAN	MC10509
M38510/06101	ECL	-	MIL SPEC DEVICE	-	-5.2V	125	-	-	-	JAN	MC10531
M38510/06102	ECL	-	MIL SPEC DEVICE	-	-5.2V	125	-	-	-	JAN	MC10631
M38510/06103	ECL	-	MIL SPEC DEVICE	-	-5.2V	125	-	-	-	JAN	MC10576
M38510/06104	ECL	-	MIL SPEC DEVICE	-	-5.2V	125	-	-	-	JAN	MC10535
M38510/06201	ECL	-	MIL SPEC DEVICE	-	-5.2V	125	-	-	-	JAN	MC10504
M38510/06202	ECL	-	MIL SPEC DEVICE	-	-5.2V	125	-	-	-	JAN	MC10597
M38510/06301	ECL	-	MIL SPEC DEVICE	-	-5.2V	125	-	-	-	JAN	MC10524
M38510/06302	ECL	-	MIL SPEC DEVICE	-	-5.2V	125	-	-	-	JAN	MC10525
M38510/07001	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S00
M38510/07002	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S03
M38510/07003	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S04

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAK ER	SUBSTITUTE
M38510/07004	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S05
M38510/07005	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S10
M38510/07006	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S20
M38510/07007	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S22
M38510/07008	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S30
M38510/07009	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S133
M38510/07010	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S134
M38510/07101	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S74
M38510/07102	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S112
M38510/07103	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S113
M38510/07104	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S114
M38510/07105	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S174
M38510/07106	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S175
M38510/07201	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S40
M38510/07301	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S02
M38510/07302	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S64
M38510/07303	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S65
M38510/07401	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S51
M38510/07402	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S64
M38510/07403	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S65
M38510/07501	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S86
M38510/07502	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S135
M38510/07601	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S194
M38510/07602	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S195
M38510/07701	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S138
M38510/07702	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S139
M38510/07703	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S280
M38510/07801	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S181
M38510/07802	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S182
M38510/07901	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S151
M38510/07902	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S153
M38510/07903	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S157
M38510/07904	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S158
M38510/07905	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S251
M38510/07906	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S257
M38510/07907	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S258
M38510/07908	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S253
M38510/08001	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S11
M38510/08002	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S15
M38510/08003	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S08
M38510/08004	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S09
M38510/08101	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S140
M38510/08201	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S85
M38510/10401	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN55107
M38510/10402	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN55108
M38510/10403	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	9614,SN55114
M38510/10404	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	9615,SN55115
M38510/10405	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN55113
M38510/10406	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	DM7831
M38510/10407	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	DM7832
M38510/10801	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	MC3018A
M38510/10802	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	MC3045
M38510/15001	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5485
M38510/15002	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	9324
M38510/15101	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5413
M38510/15102	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5414
M38510/15103	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54132
M38510/15201	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	9311,SN54154
M38510/15202	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54155
M38510/15203	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54156
M38510/15204	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	S8250
M38510/15205	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	S8251
M38510/15206	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	9301,S8252
M38510/15301	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54125
M38510/15302	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54126
M38510/15401	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54120
M38510/15501	HTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54H08
M38510/15502	HTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54H11
M38510/15503	HTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54H21
M38510/15601	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54147
M38510/15602	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54148
M38510/15603	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	9318
M38510/15701	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	9338
M38510/15801	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	9321
M38510/15802	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	9317

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
M38510/15901	TTL	-	MIL SPEC DEVICE	-	+5V	125	-		-	JAN	9300
M38510/15902	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	9328
M38510/16001	TTL	-	MIL SPEC DEVICE	-	-	125	-	-	-	JAN	9334
M38510/16101	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5432
M38510/16201	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN5428
M38510/16301	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54365
M38510/16302	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54366
M38510/16303	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54367
M38510/16304	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54368
M38510/17001	CMS	-	MIL SPEC DEVICE	-	-	125	-	-	-	JAN	CD4081B
M38510/17002	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD4082B
M38510/17003	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD4073B
M38510/17101	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD4071B
M38510/17102	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD4072B
M38510/17103	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD4075B
M38510/17201	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD4085B
M38510/17202	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD4086B
M38510/17203	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD4070B
M38510/17204	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD4077B
M38510/17301	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD4514B
M38510/17302	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD4515B
M38510/17303	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD4532B
M38510/17304	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD4555B
M38510/17305	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD4556B
M38510/17401	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD4069UB
M38510/17402	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD40107B
M38510/17403	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD4502B
M38510/17404	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD40109B
M38510/17501	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD4076B
M38510/17502	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD4095B
M38510/17503	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD4096B
M38510/17504	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD4098B
M38510/17505	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD40174B
M38510/17601	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD4099B
M38510/17602	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD4508B
M38510/17701	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD4093B
M38510/17702	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD40106B
M38510/17801	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD4067B
M38510/17802	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD4097B
M38510/17803	CMS	-	MIL SPEC DEVICE	-	+15V	125	-	-	-	JAN	CD40257B
M38510/20101	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54186
M38510/20102	-	-	MIL SPEC DEVICE	-	-	125	-	-	-	JAN	MCM5304
M38510/20201	-	-	MIL SPEC DEVICE	-	-	125	-	-	-	JAN	IM5603A
M38510/20202	-	-	MIL SPEC DEVICE	-	-	125	-	-	-	JAN	IM5623
M38510/20301	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	93417
M38510/20302	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	93427
M38510/20401	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	93436
M38510/20402	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	93446
M38510/20501	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	HMX7620-8
M38510/20502	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	HMX7621-8
M38510/20601	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	93452
M38510/20602	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	93453
M38510/20603	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	DM7644
M38510/20701	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	S82S23
M38510/20702	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	S82S123
M38510/20801	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	93438
M38510/20802	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	93448
M38510/20803	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	S82S115
M38510/20804	-	-	MIL SPEC DEVICE	-	-	125	-	-	-	JAN	5348-1
M38510/20805	-	-	MIL SPEC DEVICE	-	-	125	-	-	-	JAN	5349-1
M38510/20901	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	S82S184
M38510/20902	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	S82S185
M38510/20903	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	93450
M38510/20904	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	93451
M38510/20905	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	93461
M38510/20906	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	93460
M38510/21001	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	93510
M38510/22001	-	-	MIL SPEC DEVICE	-	-	125	-	-	-	JAN	2708
M38510/23001	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	93410
M38510/23002	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	93421
M38510/23003	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	93411
M38510/23004	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	93L420
M38510/23101	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	93415
M38510/23102	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	93425
M38510/23103	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	93L415

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
M38510/23104	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	93L425
M38510/23501	-	-	MIL SPEC DEVICE	-	-	125	-	-	-	JAN	TMS4060(85C)
M38510/23502	-	-	MIL SPEC DEVICE	-	-	125	-	-	-	JAN	TMS4050(85C)
M38510/23503	-	-	MIL SPEC DEVICE	-	-	125	-	-	-	JAN	TMS4060(100C)
M38510/23504	-	-	MIL SPEC DEVICE	-	-	125	-	-	-	JAN	TMS4050(100C)
M38510/23505	-	-	MIL SPEC DEVICE	-	-	125	-	-	-	JAN	MM5280(85C)
M38510/23506	-	-	MIL SPEC DEVICE	-	-	125	-	-	-	JAN	MM5280(100C)
M38510/23601	-	-	MIL SPEC DEVICE	-	-	125	-	-	-	JAN	MCM6605(85C)
M38510/23602	-	-	MIL SPEC DEVICE	-	-	125	-	-	-	JAN	MCM6604A(85C)
M38510/23603	-	-	MIL SPEC DEVICE	-	-	125	-	-	-	JAN	MCM6605(100C)
M38510/23604	-	-	MIL SPEC DEVICE	-	-	125	-	-	-	JAN	MCM6604A-100C
M38510/23701	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	AM9130CFC
M38510/23702	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	AM9130AFC
M38510/23703	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	AM9130CFM
M38510/23704	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	AM9130AFM
M38510/23705	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	AM91L30CF
M38510/23706	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	AM91L30AF
M38510/23707	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	AM91L30C
M38510/23708	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	AM91L30A
M38510/23709	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	AM9140CFC
M38510/23710	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	AM9140AFC
M38510/23711	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	AM9140CFM
M38510/23712	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	AM9140AFM
M38510/23713	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	AM91L40CFC
M38510/23714	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	AM91L40AFC
M38510/23715	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	AM91L40CFM
M38510/23716	LTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	AM91L40AFM
M38510/23901	CMS	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	MM54C929
M38510/23902	CMS	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	MM54C930
M38510/30001	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS00
M38510/30002	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS03
M38510/30003	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS04
M38510/30004	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS05
M38510/30005	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS10
M38510/30006	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS12
M38510/30007	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS20
M38510/30008	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS22
M38510/30009	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS30
M38510/30101	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS73
M38510/30102	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS74
M38510/30103	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS112
M38510/30104	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS113
M38510/30105	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS114
M38510/30106	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS174
M38510/30107	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS175
M38510/30108	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS107
M38510/30109	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS109
M38510/30110	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS76
M38510/30201	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS40
M38510/30202	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS37
M38510/30203	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS38
M38510/30204	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS28
M38510/30301	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS02
M38510/30302	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS27
M38510/30303	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS266
M38510/30401	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS51
M38510/30402	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS54
M38510/30501	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS32
M38510/30502	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS86
M38510/30601	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS194
M38510/30602	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS195
M38510/30603	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS95
M38510/30604	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS96
M38510/30605	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS164
M38510/30606	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS295
M38510/30607	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS395
M38510/30608	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS165
M38510/30609	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS166
M38510/30701	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS138
M38510/30702	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS139
M38510/30703	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS42
M38510/30704	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS47
M38510/30801	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS181
M38510/30901	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS151
M38510/30902	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS153

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
M38510/30903	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS157
M38510/30904	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS158
M38510/30905	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS251
M38510/30906	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS257
M38510/30907	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS258
M38510/30908	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS253
M38510/30909	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS298
M38510/31001	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS11
M38510/31002	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS15
M38510/31003	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS21
M38510/31004	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS08
M38510/31005	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS09
M38510/31101	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS85
M38510/31201	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS83A
M38510/31202	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS283
M38510/31301	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS13
M38510/31302	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS14
M38510/31303	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS132
M38510/31401	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS123
M38510/31402	LST	-	MIL SPEC DEVICES	-	+5V	125	-	-	-	JAN	SN54LS221
M38510/31403	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS122
M38510/31501	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS90
M38510/31502	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS93
M38510/31503	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS160
M38510/31504	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS161
M38510/31505	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS168
M38510/31506	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS169
M38510/31507	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS192
M38510/31508	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS193
M38510/31509	LST	-	MIL SPEC DEVICE	-	5V	125	-	-	-	JAN	SN54LS191
M38510/31510	LST	-	MIL SPEC DEVICES	-	+5V	125	-	-	-	JAN	SN54LS92
M38510/31511	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS162
M38510/31512	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS163
M38510/31513	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS190
M38510/31601	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS75
M38510/31602	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS279
M38510/31603	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS259
M38510/31604	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS375
M38510/31701	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS124
M38510/31702	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS324
M38510/31801	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS261
M38510/31901	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS670
M38510/31902	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS170
M38510/32001	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS196
M38510/32002	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS197
M38510/32003	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS290
M38510/32004	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS293
M38510/32102	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS26
M38510/32201	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS365
M38510/32202	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS366
M38510/32203	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS367
M38510/32204	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS368
M38510/32301	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS125
M38510/32302	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS126
M38510/32401	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS240
M38510/32402	LST		MIL SPEC DEVICE		+5V	125	-			JAN	SN54LS241
M38510/32403	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS244
M38510/32501	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS273
M38510/32502	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS373
M38510/32503	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS374
M38510/32504	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS377
M38510/32601	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS155
M38510/32602	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS156
M38510/32701	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS930
M38510/32702	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS393
M38510/32703	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS490
M38510/32801	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS242
M38510/32802	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS243
M38510/32803	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS245
M38510/32901	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS280
M38510/33106	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS174
M38510/33107	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS175
M38510/36001	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS148
M38510/36002	LST	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54LS348
M38510/40001	-	-	MIL SPEC DEVICE	-	-	125	-	-	-	JAN	MC6800

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
M38510/42001	-	-	MIL SPEC DEVICE	-	-	125	-	-	-	JAN	8080A
M38510/42101	STL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	SN54S412
M38510/42201	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	S8224
M38510/42301	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	S8228
M38510/44001	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	AM2901A
M38510/44101	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	AM2905
M38510/44102	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	AM2906
M38510/44103	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	AM2907
M38510/44104	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	AM2915
M38510/44105	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	AM2916
M38510/44106	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	AM2917
M38510/44201	TTL	-	MIL SPEC DEVICE	-	+5V	125	-	-	-	JAN	AM2918
M38510/46001	-	-	MIL SPEC DEVICE	-	-	125	-	-	-	JAN	TMS9900
M38510/47001	CMS	-	MIL SPEC DEVICE	-	-	125	-	-	-	JAN	CDP1802
M53200P	TTL	-	HOUSE CODES FOR SN7400N SERIES	DIL--P	-	75C	-	-	-	MIT	SN7400N SER
M53300P	TTL	-	HOUSE CODES FOR SN74100N SER	DIL--P	-	75C	-	-	-	MIT	SN74100N SER
M53400P	TTL	-	HOUSE CODES FOR SN74200 SER	DIL--P	-	75C	-	-	-	MIT	SN74200 SER
MB400	TTL	-	HOUSE CODES FOR SN7400N	-	-	70C	-	-	-	FUJ	SN7400N
MB401	TTL	-	HOUSE CODE FOR SN7410N	-	-	70C	-	-	-	FUJ	SN7410N
MB402	TTL	-	HOUSE CODE FOR SN720N	-	-	70C	-	-	-	FUJ	SN7420N
MB403	TTL	-	HOUSE CODE FOR SN7430N	-	-	70C	-	-	-	FUJ	SN7430N
MB404	TTL	-	HOUSE CODE FOR SN7440N	-	-	70C	-	-	-	FUJ	SN7440N
MB405	TTL	-	HOUSE CODE FOR SN7450N	-	-	70C	-	-	-	FUJ	SN7450N
MB406	TTL	-	HOUSE CODE FOR SN7460N	-	-	70C	-	-	-	FUJ	SN7460N
MB408	TTL	-	HOUSE CODE FOR SN7480N	-	-	70C	-	-	-	FUJ	SN7480N
MB410	TTL	-	HOUSE CODE FOR SN74107N	-	-	70C	-	-	-	FUJ	SN74107N
MB411	TTL	-	HOUSE CODE FOR SN7453N	-	-	70C	-	-	-	FUJ	SN7453N
MB416	TTL	-	HOUSE CODE FOR SN7401N	-	-	70C	-	-	-	FUJ	SN7401N
MB417	TTL	-	HOUSE CODE FOR SN7402N	-	-	70C	-	-	-	FUJ	SN7402N
MB418	TTL	-	HOUSE CODE FOR SN7404N	-	-	70C	-	-	-	FUJ	SN7404N
MB420	TTL	-	HOUSE CODE FOR SN7474N	-	-	70C	-	-	-	FUJ	SN7474N
MB433	TTL	-	HOUSE CODE FOR SN7438N	-	-	70C	-	-	-	FUJ	SN7438N
MB435	TTL	-	HOUSE CODE FOR SN7437N	-	-	70C	-	-	-	FUJ	SN7437N
MB442	TTL	-	HOUSE CODE FOR SN7442N	-	-	70C	-	-	-	FUJ	SN7442N
MB443	TTL	-	HOUSE CODE FOR SN74145N	-	-	70C	-	-	-	FUJ	SN74145N
MB445	TTL	-	HOUSE CODE FOR SN74151N	-	-	70C	-	-	-	FUJ	SN74151N
MB447	TTL	-	HOUSE CODE FOR SN74180N	-	-	70C	-	-	-	FUJ	SN74180N
MB448	TTL	-	HOUSE CODE FOR SN7485N	-	-	70C	-	-	-	FUJ	SN7485N
MB449	TTL	-	HOUSE CODE FOR SN7486N	-	-	70C	-	-	-	FUJ	SN7486N
MB450	TTL	-	HOUSE CODE FOR SN7463N	-	-	70C	-	-	-	FUJ	SN7463N
MB451	TTL	-	HOUSE CODE FOR SN7462N	-	-	70C	-	-	-	FUJ	SN7462N
MB455	TTL	-	HOUSE CODE FOR SN74198N	-	-	70C	-	-	-	FUJ	SN74198N
MB456	TTL	-	HOUSE CODE FOR SN74191N	-	-	70C	-	-	-	FUJ	SN74191N
MB457	TTL	-	HOUSE CODE FOR SN74190N	-	-	70C	-	-	-	FUJ	SN74190N
MB460	TTL	-	HOUSE CODE FOR SN74170N	-	-	70C	-	-	-	FUJ	SN74170N
MB461	TTL	-	HOUSE CODE FOR SN7489N	-	-	70C	-	-	-	FUJ	SN7489N
MB10100 SER	ECL	-	FUJITSU VERSN OF MC10100 SER	-	-5 2V	85C	-	-	-	FUJ	MC10100 SER
MC8T00 SERIES	TTL	VAR	MOTOROLA VRSN OF N8T00 SERIES	-	+5V	75C	-	-	-	MOT	8T00 SERIES
MC54H00F SER	HTL	-	HOUSE CODES FOR SN54H00W SER	FLP---	-	125	-	-	-	MOT	SN54H00J SER
MC54H00L SER.	HTL	-	HOUSE CODES FOR SN54H00J SER	DIL--C	-	125	-	-	-	MOT	SN54H00J SER
MC54H74AF	HTL	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	FLP14	+5V	125	-	-	F008	MOT	-
MC54H74AL	HTL	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	DIL14C	+5V	125	-	-	F008	MOT	-
MC54LS74AF	LST	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	FLP14	+5V	125	8MA	25MXMHZ	F008	MOT	-
MC54LS74AL	LST	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	DIL14C	+5V	125	8MA	25MXMHZ	F008	MOT	-
MC54LS182F	LST	LAC	LOOK AHEAD CARRY GENERATOR,4BT	FLP16	+5V	125	16MA	26MXNS	Z018	MOT	-
MC54LS182L	LST	LAC	LOOK AHEAD CARRY GENERATOR,4BT	DIL16C	+5V	125	16MA	26MXNS	Z018	MOT	-
MC54LS299F	LST	SRG	SHIFT REG,8 BIT,L/R SH,3S,PIPO	FLP20	+5V	125	53MA	35MXMHZ	R020	MOT	54LS299FM
MC54LS504F	LST	REG	REGISTER,SUCC APPROX,12 BIT	FLP24	+5V	125	90MA	15MXMHZ	R028	MOT	54LS504FM
MC54LS504L	LST	REG	REGISTER SUCC APPROX,12 BIT	DIL24C	+5V	125	90MA	15MXMHZ	R028	MOT	54LS504DM
MC54LS568F	LST	CTR	COUNTER,BCD DEC,UP/DWN,3S,SYNC	FLP20	+5V	125	34MA	25MXMHZ	C023	MOT	-
MC54LS568L	LST	CTR	COUNTER,BCD DEC,UP/DWN,3S,SYNC	DIL20C	+5V	125	34MA	25MXMHZ	C023	MOT	S54LS568F
MC54LS569F	LST	CTR	COUNTER,4BT BIN,UP/DWN,3S,SYNC	FLP20	+5V	125	34MA	25MXMHZ	C023	MOT	-
MC54LS569L	LST	CTR	COUNTER,4BT BIN,UP/DWN,3S,SYNC	DIL20P	+5V	125	34MA	25MXMHZ	C023	MOT	S54LS569F
MC54LS640F	LST	TRX	TRANSCEIVER, BUS,3S,INV, OCTAL	FLP20	+5V	125	95MA	40MXNS	T007	MOT	-
MC54LS641F	LST	TRX	TRANSCEIVER, BUS,OC,DIR, OCTAL	FLP20	+5V	125	95MA	50MXNS	T003	MOT	-
MC54LS645F	LST	TRX	TRANSCEIVER,BUS,OC, OCTAL	FLP20	+5V	125	95MA	40MXNS	Z999	MOT	-
MC74H00F SER	HTL	-	HOUSE CODES FOR SN74H00W SER.	FLP---	-	70C	-	-	-	MOT	SN74H00W SER
MC74H00L	HTL	-	HOUSE CODES FOR SN74H00J SER.	DIL--C	-	70C	-	-	-	MOT	SN74H00J SER
MC74H00P	HTL	-	HOUSE CODES FOR SN74H00N SER	DIL--P	-	70C	-	-	-	MOT	SN74H00N SER
MC74H74AL	HTL	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	DIL14C	+5V	70C	-	-	F008	MOT	-
MC74H74AP	HTL	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	DIL14P	+5V	70C	-	-	F008	MOT	-
MC74LS01F	LST	NAN	NAND, 2IP, OC OP, QUAD	FLP14	+5V	70C	4.4MA	32MXNS	N003	MOT	S54LS01W
MC74LS12F	LST	NAN	NAND, 3IP, OC OP, TRIPLE	FLP14	+5V	70C	3.3MA	32MXNS	N004	MOT	S54LS12W
MC74LS73AF	LST	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	FLP14C	+5V	70C	6MA	30MXMHZ	F007	MOT	-
MC74LS74AF	LST	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	FLP14	+5V	70C	8MA	25MXMHZ	F008	MOT	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
MC74LS74AL	LST	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	DIL14C	+5V	70C	8MA	25MXMHZ	F008	MOT	-
MC74LS74AP	LST	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	DIL14P	+5V	70C	8MA	25MXMHZ	F008	MOT	-
MC74LS75F	LST	LCH	LATCH,FF/D,2BT,TRANSP,2OP,DUAL	FLP16	+5V	70C	12MA	80MXNS	L001	MOT	S54LS75W
MC74LS76F	LST	FFJ	FF/JK, M-S, SEP S/R/CK, DUAL	FLP16	+5V	70C	8MA	30MXMHZ	F010	MOT	S54LS76W
MC74LS78AF	LST	FFJ	FF/JK,M-S,COMM R/CK SEP S,DUAL	FLP14	+5V	70C	6MA	30MXMHZ	F012	MOT	-
MC74LS107F	LST	FFJ	FF/JK, M-S, SEP R/CK, DUAL	FLP14	+5V	70C	8MA	30MXMHZ	F018	MOT	S54LS107W
MC74LS112AF	LST	FFJ	FF/JK, NEG ET,SEP S/R/CK, DUAL	FLP16	+5V	70C	6MA	30MXMHZ	F022	MOT	-
MC74LS113F	LST	FFJ	FF/JK,(-)ET,SEP S/CK,NO R,DUAL	FLP14	+5V	70C	8MA	30MXMHZ	F023	MOT	74LS113F
MC74LS114AF	LST	FFJ	FF/JK. -ET,COM R/CK,SEP S,DUAL	FLP14	+5V	70C	6MA	30MXMHZ	F024	MOT	-
MC74LS122F	LST	MON	MONOSTABLE,MULTI,RETRIG,WITH R	FLP14	+5V	70C	11MA	56MXNS	U002	MOT	-
MC74LS123F	LST	MON	MONOSTABLE,MULTI,RETRIG, DUAL	FLP16	+5V	70C	20MA	56MXNS	U003	MOT	S54LS123AW
MC74LS124F	LST	VCO	VOLTAGE CONTROLLED OSC, DUAL	FLP16	+5V	70C	50MA	10MXMHZ	V001	MOT	-
MC74LS126AF	LST	LND	LINE DRIVER, 3S OP.HI EN, QUAD	FLP14	+5V	70C	22MA	35MXNS	B003	MOT	-
MC74LS145F	LST	DVR	DRIVER,80MA, BCD-DEC DECODR,OC	FLP16	+5V	70C	13MA	50MXNS	D001	MOT	S54LS145W
MC74LS160F	LST	CTR	COUNTER,DEC,4 BIT, SYNC,DRCT R	FLP16	+5V	70C	32MA	25MXMHZ	C004	MOT	S54LS160AW
MC74LS161F	LST	CTR	COUNTER, BIN,4 BIT,SYNC,DRCT R	FLP16	+5V	70C	32MA	25MXMHZ	C004	MOT	S54LS161AW
MC74LS162AFC	LST	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	FLP16	+5V	70C	32MA	25MXMHZ	C005	MOT	N54LS162AW
MC74LS163AF	LST	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	FLP16	+5V	70C	32MA	25MXMHZ	C005	MOT	S54LS163AW
MC74LS182L	LST	LAC	LOOK AHEAD CARRY GENERATOR,4BT	DIL16C	+5V	70C	16MA	26MXNS	Z018	MOT	-
MC74LS182F	LST	LAC	LOOK AHEAD CARRY GENERATOR,4BT	FLP16	+5V	70C	16MA	26MXNS	Z018	MOT	-
MC74LS182P	LST	LAC	LOOK AHEAD CARRY GENERATOR,4BT	DIL16P	+5V	70C	16MA	26MXNS	Z018	MOT	-
MC74LS194AF	LST	SRG	SHIFT REGISTER,4 BIT,L/R, PIPO	FLP16	+5V	70C	23MA	25MXMHZ	R013	MOT	74LS194AFC
MC74LS221F	LST	MON	MONOSTABLE MULTI,SCHMITT, DUAL	FLP16	+5V	70C	27MA	80MXNS	U003	MOT	S54LS221W
MC74LS257F	LST	SEL	MUX/DATA SELECTR,2-1LN,3S,QUAD	FLP16	+5V	70C	9MA	30MXNS	M009	MOT	74LS257FC
MC74LS258AF	LST	SEL	MUX/DATA SELECTR,INV-OP-74257	FLP16	+5V	70C	19MA	30MXNS	M010	MOT	S74LS258AW
MC74LS280F	LST	PAR	PARITY GENERATOR/CHECKER,9 BIT	FLP14	+5V	70C	27MA	50MXNS	Z012	TII	-
MC74LS324F	LST	VCO	VOLTAGE CONTROLLED OSC, 2PH OP	FLP14	+5V	70C	30MA	10MXMHZ	V003	MOT	-
MC74LS325F	LST	VCO	VOLTAGE CONTR OSC, 2PH OP,DUAL	FLP16	+5V	70C	50MA	10MXMHZ	V004	MOT	-
MC74LS326F	LST	VCO	VCO,2PH OP,ENABLE CONTROL,DUAL	FLP16	+5V	70C	30MA	10MXMHZ	V005	MOT	-
MC74LS327F	LST	VCO	VOLTAGE CONTRL OSC,1PH OP,DUAL	FLP14	+5V	70C	50MA	10MXMHZ	V006	MOT	-
MC74LS385F	LST	ADD	ADDER/SUBTRACTER,SERIAL, QUAD	FLP20	+5V	70C	75MA	30MXMHZ	Z039	MOT	-
MC74LS386F	LST	XOR	EXCLUSIVE-OR, 2 IP, QUAD	FLP14	+5V	70C	10MA	30MXNS	X007	MOT	S54LS386W
MC74LS395AF	LST	SRG	SHIFT REG, 4 BIT,3S OP, PIPO	FLP16	+5V	70C	34MA	30MXMHZ	R025	MOT	S54LS395AW
MC74LS398F	LST	MUX	MUX,2 IP,LATCH,2 RAIL OP, QUAD	FLP20	+5V	70C	13MA	32MXNS	M018	MOT	-
MC74LS399F	LST	MUX	MUX, 2 IP,LATCH,1 RAIL OP,QUAD	FLP16	+5V	70C	13MA	32MXNS	M019	MOT	S54LS399W
MC74LS504L	LST	REG	REGISTER,SUCC. APPROX,12 BIT	DIL24C	+5V	70C	90MA	15MXMHZ	R028	MOT	74LS504DC
MC74LS504F	LST	REG	REGISTER,SUCC. APPROX,12 BIT	FLP24	+5V	70C	90MA	15MXMHZ	R028	MOT	74LS504FC
MC74LS568L	LST	CTR	COUNTER,BCD DEC,UP/DWN,3S,SYNC	DIL20C	+5V	70C	34MA	25MXMHZ	C023	MOT	N74LS568F
MC74LS568P	LST	CTR	COUNTER,BCD DEC,UP/DWN,3S,SYNC	DIL20P	+5V	70C	34MA	25MXMHZ	C023	MOT	N74LS568N
MC74LS568F	LST	CTR	COUNTER,BCD DEC,UP/DWN,3S,SYNC	FLP20	+5V	70C	34MA	25MXMHZ	C023	MOT	-
MC74LS569F	LST	CTR	COUNTER,4BT BIN,UP/DWN,3S,SYNC	FLP20	+5V	70C	24MA	25MXMHZ	C023	MOT	-
MC74LS569L	LST	CTR	COUNTER,4BT BIN,UP/DWN,3S,SYNC	DIL20C	+5V	70C	34MA	25MXMHZ	C023	MOT	N74LS569F
MC74LS569P	LST	CTR	COUNTER,4BT BIN,UP/DWN,3S,SYNC	DIL20P	+5V	70C	34MA	25MXMHZ	C023	MOT	N74LS569N
MC74LS640F	LST	TRX	TRANSCEIVER, BUS,3S,INV, OCTAL	FLP20	+5V	70C	95MA	40MXNS	T007	MOT	-
MC74LS641F	LST	TRX	TRANSCEIVER, BUS,OC,DIR, OCTAL	FLP20	+5V	70C	95MA	50MXNS	T003	MOT	-
MC74LS645F	LST	TRX	TRANSCEIVER,BUS,OC, OCTAL	FLP20	+5V	70C	95MA	40MXNS	Z999	MOT	-
MC75S000 SER	STL	VAR	SCHOTTKY TTL VRSN MC75000 SER	-	+5V	70C	-	-	-	MOT	-
MC301F	ECL	ORN	OR/NOR 5IP (MECL I)	FLP10	-5.2V	125	37MW	7NS	Z998	MOT	OBSOLETE
MC301G	ECL	ORN	OR/NOR, 5IP (MECL I)	TO5/10	-5.2V	125	37MW	7NS	Z998	MOT	OBSOLETE
MC302F	ECL	FFR	FF/RS, BUFFERED OP (MECL I)	FLP10	-5.2V	125	42MW	11NS	Z998	MOT	OBSOLETE
MC302G	ECL	FFR	FF/RS, BUFFERED OP (MECL I)	TO5/10	-5.2V	125	42MW	11NS	Z998	MOT	OBSOLETE
MC303F	ECL	ADD	ADDER,HALF (MECL I)	FLP10	-5.2V	125	63MW	7.5NS	Z998	MOT	OBSOLETE
MC303G	ECL	ADD	ADDER, HALF (MECL I)	TO5/10	-5.2V	125	63MW	7.5NS	Z998	MOT	OBSOLETE
MC304F	ECL	XXX	BIAS DRIVER (MECL I)	FLP10	-5.2V	125	18MW	-	Z998	MOT	OBSOLETE
MC304G	ECL	XXX	BIAS DRIVER (MECL I)	TO5/10	-5.2V	125	18MW	-	Z998	MOT	OBSOLETE
MC305F	ECL	EXP	EXPANDER, GATE, 5IP (MECL I)	FLP10	-5.2V	125	-	4.5NS	Z998	MOT	OBSOLETE
MC305G	ECL	EXP	EXPANDER, GATE, 5IP (MECL I)	TO5/10	-5.2V	125	-	4.5NS	Z998	MOT	OBSOLETE
MC306F	ECL	ORN	OR/NOR, 3IP (MECL I)	FLP10	-5.2V	125	37MW	7.5NS	Z998	MOT	OBSOLETE
MC306G	ECL	ORN	OR/NOR, 3IP (MECL I)	TO5/10	-5.2V	125	37MW	7.5NS	Z998	MOT	OBSOLETE
MC307F	ECL	ORN	OR/NOR, 3IP (MECL I)	FLP10	-5.2V	125	15MW	7.5NS	Z998	MOT	OBSOLETE
MC307G	ECL	ORN	OR/NOR, 3IP (MECL I)	TO5/10	-5.2V	125	15MW	7.5NS	Z998	MOT	OBSOLETE
MC308F	ECL	FFJ	FF/JK, AC COUPLED (MECL I)	FLP10	-5.2V	125	87MW	6NS	Z998	MOT	OBSOLETE
MC308G	ECL	FFJ	FF/JK, AC COUPLED (MECL I)	TO5/10	-5.2V	125	87MW	6NS	Z998	MOT	OBSOLETE
MC309F	ECL	NOR	NOR, 2IP, DUAL (MECL I)	FLP10	-5.2V	125	54MW	7NS	Z998	MOT	OBSOLETE
MC309G	ECL	NOR	NOR, 2IP, DUAL (MECL I)	TO5/10	-5.2V	125	54MW	7NS	Z998	MOT	OBSOLETE
MC310F	ECL	NOR	NOR, 2IP, DUAL (MECL I)	FLP10	-5.2V	125	54MW	7NS	Z998	MOT	OBSOLETE
MC310G	ECL	NOR	NOR, 2IP, DUAL (MECL I)	TO5/10	-5.2V	125	54MW	7NS	Z998	MOT	OBSOLETE
MC311F	ECL	NOR	NOR, 2IP, DUAL (MECL I)	FLP10	-5.2V	125	41MW	7NS	Z998	MOT	OBSOLETE
MC311G	ECL	NOR	NOR, 2IP, DUAL (MECL I)	TO5/10	-5.2V	125	41MW	7NS	Z998	MOT	OBSOLETE
MC312F	ECL	NOR	NOR, 2IP, DUAL (MECL I)	FLP14	-5.2V	125	54MW	7.5NS	Z998	MOT	OBSOLETE
MC312G	ECL	NOR	NOR, 2IP DUAL (MECL I)	TO5/12	-5.2V	125	54MW	7.5NS	Z998	MOT	OBSOLETE
MC312AF	ECL	NOR	NOR, 2IP, DUAL (MECL I)	FLP14	-5.2V	125	70MW	7.5NS	Z998	MOT	OBSOLETE
MC312AG	ECL	NOR	NOR, 2IP, DUAL (MECL I)	TO5/12	-5.2V	125	70MW	7.5NS	Z998	MOT	OBSOLETE
MC313F	ECL	NOR	NOR, 2IP, QUAD (MECL I)	FLP14	-5.2V	125	125MW	7NS	Z998	MOT	OBSOLETE
MC314F	ECL	FFJ	FF/JK, AC COUPLED (MECL I)	FLP10	-5.2V	125	118MW	12NS	Z998	MOT	OBSOLETE

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
MC314G	ECL	FFJ	FF/JK, AC COUPLED (MECL I)	TO5/10	-5.2V	125	118MW	12NS	Z998	MOT	OBSOLETE
MC315F	ECL	LND	DRIVER, LINE, 50 OHM (MECL I)	FLP10	-5.2V	125	180MW	14NS	Z998	MOT	OBSOLETE
MC315G	ECL	LND	DRIVER, LINE, 50 OHM (MECL I	TO5/10	-5.2V	125	180MW	14NS	Z998	MOT	OBSOLETE
MC316F	ECL	DSP	DRIVER, LAMP,100MA (MECL I)	FLP10	-5.2V	125	135MW	-	Z998	MOT	OBSOLETE
MC316G	ECL	DSP	DRIVER, LAMP,100MA (MECL I)	TO5/10	-5.2V	125	135MW	-	Z998	MOT	OBSOLETE
MC317F	ECL	LSH	LEVEL SHIFTER, ECL-DTL(MECL I)	FLP10	-5.2V	125	63MW	27.5NS	Z998	MOT	OBSOLETE
MC317G	ECL	LSH	LEVEL SHIFTER, ECL-DTL(MECL I)	TO5/10	-5.2V	125	63MW	27.5NS	Z998	MOT	OBSOLETE
MC318F	ECL	LSH	LEVEL SHIFTER, DTL-ECL(MECL I)	FLP10	-5.2V	125	105MW	17NS	Z998	MOT	OBSOLETE
MC318G	ECL	LSH	LEVEL SHIFTER, DTL-ECL(MECL I)	TO5/10	-5.2V	125	105MW	17NS	Z998	MOT	OBSOLETE
MC319F	ECL	XXX	HIGH SPEED GATE, 4IP, DUAL	FLP14	-5.2V	125	250MW	3NS	Z998	MOT	OBSOLETE
MC319G	ECL	XXX	HIGH SPEED GATE, 4IP, DUAL	TO5/12	-5.2V	125	250MW	3NS	Z998	MOT	OBSOLETE
MC351F	ECL	ORN	OR/NOR, 5IP (MECL I)	FLP10	-5.2V	75C	37MW	7NS	Z998	MOT	OBSOLETE
MC351G	ECL	ORN	OR/NOR, 5IP (MECL I)	TO5/10	-5.2V	75C	37MW	7NS	Z998	MOT	OBSOLETE
MC352AF	ECL	FFR	FF/RS, BUFFERED OP (MECL I)	FLP10	-5.2V	75C	42MW	11NS	Z998	MOT	OBSOLETE
MC352AG	ECL	FFR	FF/RS, BUFFERED OP (MECL I)	TO5/10	-5.2V	75C	42MW	11NS	Z998	MOT	OBSOLETE
MC352F	ECL	FFR	FF/RS, W/O BUFFERED OP(MECL I)	FLP10	-5.2V	75C	40MW	11NS	Z998	MOT	OBSOLETE
MC352G	ECL	FFR	FF/RS, W/O BUFFERED OP(MECL I)	TO5/10	-5.2V	75C	40MW	11NS	Z998	MOT	OBSOLETE
MC353F	ECL	ADD	ADDER, HALF (MECL I)	FLP10	-5.2V	75C	63MW	7.5NS	Z998	MOT	OBSOLETE
MC353G	ECL	ADD	ADDER HALF (MECL I)	TO5/10	-5.2V	75C	63MW	7.5NS	Z998	MOT	OBSOLETE
MC354F	ECL	XXX	BIAS DRIVER (MECL I)	FLP10	-5.2V	75C	18MW	-	Z998	MOT	OBSOLETE
MC354G	ECL	XXX	BIAS DRIVER (MECL I)	TO5/10	-5.2V	75C	18MW	-	Z998	MOT	OBSOLETE
MC355F	ECL	EXP	EXPANDER GATE, 5IP (MECL I)	FLP10	-5.2V	75C	-	4.5NS	Z998	MOT	OBSOLETE
MC355G	ECL	EXP	EXPANDER, GATE, 5IP (MECL I)	TO5/10	-5.2V	75C	-	4.5NS	Z998	MOT	OBSOLETE
MC356F	ECL	ORN	OR/NOR, 3IP (MECL I)	FLP10	-5.2V	75C	37MW	7.5NS	Z998	MOT	OBSOLETE
MC356G	ECL	ORN	OR/NOR, 3IP (MECL I)	TO5/10	-5.2V	75C	37MW	7.5NS	Z998	MOT	OBSOLETE
MC357F	ECL	ORN	OR/NOR, 3IP (MECL I)	FLP10	-5.2V	75C	15MW	7.5NS	Z998	MOT	OBSOLETE
MC357G	ECL	ORN	OR/NOR, 3IP (MECL I)	TO5/10	-5.2V	75C	15MW	7.5NS	Z998	MOT	OBSOLETE
MC358AF	ECL	FFJ	FF/JK, AC COUPLED (MECL I)	FLP10	-5.2V	75C	87MW	8.5NS	Z998	MOT	OBSOLETE
MC358AG	ECL	FFJ	FF/JK, AC COUPLED (MECL I)	TO5/10	-5.2V	75C	89MW	8.5NS	Z998	MOT	OBSOLETE
MC358F	ECL	FFJ	FF/JK, AC COUPLED (MECL I)	FLP10	-5.2V	75C	87MW	8.5NS	Z998	MOT	OBSOLETE
MC358G	ECL	FFJ	FF/JK, AC COUPLED (MECL I)	TO5/10	-5.2V	75C	87MW	8.5NS	Z998	MOT	OBSOLETE
MC359F	ECL	NOR	NOR, 2IP, DUAL (MECL I)	FLP/10	-5.2V	75C	54MW	7NS	Z998	MOT	OBSOLETE
MC359G	ECL	NOR	NOR, 2IP, DUAL (MECL I)	TO5/10	-5.2V	75C	54MW	7NS	Z998	MOT	OBSOLETE
MC360F	ECL	NOR	NOR, 2IP, DUAL (MECL I)	FLP10	-5.2V	75C	54MW	7NS	Z998	MOT	OBSOLETE
MC360G	ECL	NOR	NOR, 2IP, DUAL (MECL I)	TO5/10	-5.2V	75C	54MW	7NS	Z998	MOT	OBSOLETE
MC361F	ECL	NOR	NOR, 2IP, DUAL (MECL.I)	FLP10	-5.2V	75C	41MW	7NS	Z998	MOT	OBSOLETE
MC361G	ECL	NOR	NOR, 2IP, DUAL (MECL I)	TO5/10	-5.2V	75C	41MW	7NS	Z998	MOT	OBSOLETE
MC362F	ECL	NOR	NOR, 2IP, DUAL (MECL I)	FLP14	-5.2V	75C	54MW	7.5NS	Z998	MOT	OBSOLETE
MC362G	ECL	NOR	NOR, 2IP, DUAL (MECL I)	TO5/12	-5.2V	75C	54MW	7.5NS	Z998	MOT	OBSOLETE
MC362AF	ECL	NOR	NOR, 2IP, DUAL (MECL I)	FLP14	-5.2V	75C	70MW	7.5NS	Z998	MOT	OBSOLETE
MC362AG	ECL	NOR	NOR, 2IP, DUAL (MECL I)	TO5/12	-5.2V	75C	70MW	7.5NS	Z998	MOT	OBSOLETE
MC363F	ECL	NOR	NOR, 2IP, QUAD (MECL I)	FLP14	-5.2V	75C	125MW	7NS	Z998	MOT	OBSOLETE
MC364F	ECL	FFJ	FF/JK, AC COUPLED (MECL I)	FLP10	-5.2V	75C	118MW	12NS	Z998	MOT	OBSOLETE
MC364G	ECL	FFJ	FF/JK, AC COUPLED (MECL I)	TO5/10	-5.2V	75C	118MW	12NS	Z998	MOT	OBSOLETE
MC365F	ECL	LND	DRIVER, LINE 50 OHM (MECL I)	FLP10	-5.2V	75C	270MW	14NS	Z998	MOT	OBSOLETE
MC365G	ECL	LND	DRIVER, LINE, 50 OHM (MECL I)	TO5/10	-5.2V	75C	270MW	14NS	Z998	MOT	OBSOLETE
MC366F	ECL	DSP	DRIVER, LAMP,100MA (MECL I)	FLP10	-5.2V	75C	135MW	-	Z998	MOT	OBSOLETE
MC366G	ECL	DSP	DRIVER, LAMP,100MA (MECL I)	TO5/10	-5.2V	75C	135MW	-	Z998	MOT	OBSOLETE
MC367F	ECL	LSH	LEVEL SHIFTER, ECL-DTL(MECL I)	FLP10	-5.2V	75C	63MW	27.5NS	Z998	MOT	OBSOLETE
MC367G	ECL	LSH	LEVEL SHIFTER, ECL-DTL(MECL I)	TO5/10	-5.2V	75C	63MW	27.5NS	Z998	MOT	OBSOLETE
MC368F	ECL	LSH	LEVEL SHIFTER, DTL-ECL(MECL I)	FLP10	-5.2V	75C	105MW	17NS	Z998	MOT	OBSOLETE
MC368G	ECL	LSH	LEVEL SHIFTER, DTL-ECL(MECL I)	TO5/10	-5.2V	75C	105MW	17NS	Z998	MOT	OBSOLETE
MC369F	ECL	XXX	HIGH SPEED GATE, 4IP, DUAL	FLP14	-5.2V	75C	250MW	3NS	Z998	MOT	OBSOLETE
MC369G	ECL	XXX	HIGH SPEED GATE, 4IP, DUAL	TO5/12	-5.2V	75C	250MW	3NS	Z998	MOT	OBSOLETE
MC400 SERIES	TTL	-	MOTOROLA PROPRIETARY TTL SER	14LEAD	+5V	75C	-	-	-	MOT	OBSOLETE
MC400F SERIES	TTL	-	FLAT PACK VERSION OF MC400 SER	FLP14	+5V	75C	-	-	-	MOT	OBSOLETE
MC400L SERIES	TTL	-	CER DIL VERSION OF MC400 SER	DIL14C	+5V	75C	-	-	-	MOT	OBSOLETE
MC400P SERIES	TTL	-	PLAS DIL VERSION OF MC400 SER	DIL14N	+5V	75C	-	-	-	MOT	OBSOLETE
MC400	TTL	NAN	NAND, 4IP, DUAL,20MA	14LEAD	+5V	75C	50MW	10TPNS	-	MOT	OBSOLETE
MC401	TTL	AOI	AOI, 2-2-2-3 EXPANDABLE,4 WIDE	14LEAD	+5V	75C	50MW	12TPNS	-	MOT	OBSOLETE
MC402	TTL	NAN	NAND, 8IP	14LEAD	+5V	75C	30MW	12TPNS	-	MOT	OBSOLETE
MC403	TTL	AOI	AOI, COMPLEMENT, 2 WIDE, 3 IP	14LEAD	+5V	75C	60MW	11TPNS	-	MOT	OBSOLETE
MC404	TTL	AOI	AOI, 3 WIDE, 3IP, EXPANDABLE	14LEAD	+5V	75C	40MW	12TPNS	-	MOT	OBSOLETE
MC405	TTL	AOI	AOI, 2 WIDE, 4IP, EXPANDABLE	14LEAD	+5V	75C	35MW	12TPNS	-	MOT	OBSOLETE
MC406	TTL	NAN	NAND, 8IP, EXPANDABLE	14LEAD	+5V	75C	25MW	18TPNS	-	MOT	OBSOLETE
MC407	TTL	LND	LINE DRIVER	14LEAD	+5V	75C	100MW	25TPNS	-	MOT	OBSOLETE
MC408	TTL	NAN	NAND, 2IP, QUAD	14LEAD	+5V	75C	100MW	10TPNS	-	MOT	OBSOLETE
MC409	TTL	EXP	EXPANDER FOR AOI,4WIDE,3-2-2-3	14LEAD	+5V	75C	-	-	-	MOT	OBSOLETE
MC41[illegible]	TTL	EXP	EXPANDER FOR AOI, 4 IP, DUAL	14LEAD	+5V	75C	-	-	-	MOT	OBSOLETE
MC41[illegible]	TTL	EXP	EXPANDER FOR NAND, 4 IP, DUAL	14LEAD	+5V	75C	-	-	-	MOT	OBSOLETE
MC412	TTL	NAN	NAND, 3IP, TRIPLE	14LEAD	+5V	75C	75MW	10TPNS	-	MOT	OBSOLETE
MC413	TTL	FFR	RS FLIP FLOP	14LEAD	+5V	75C	50MW	20TPNS	-	MOT	OBSOLETE
MC414	TTL	FFR	RS FLIP FLOP, GATED	14LEAD	+5V	75C	50MW	20TPNS	-	MOT	OBSOLETE
MC415	TTL	FFJ	JK FLIP FLOP, AND IP	14LEAD	+5V	75C	70MW	25TPNS	-	MOT	OBSOLETE
MC416	TTL	FFJ	JK FLIP FLOP, OR IP	14LEAD	+5V	75C	80MW	25TPNS	-	MOT	OBSOLETE

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
MC417	TTL	FFJ	JK FLIP FLOP, AND IP	14LEAD	+5V	75C	-	-	-	MOT	OBSOLETE
MC418	TTL	FFD	D FLIP FLOP	14LEAD	+5V	75C	-	-	-	MOT	OBSOLETE
MC419	TTL	DVR	DRIVER, BUS, 2IP, TRIPLE	14LEAD	+5V	75C	90MW	50TPNS	-	MOT	OBSOLETE
MC420	TTL	AOI	AOI, 2 WIDE,2IP,EXPANDBLE,DUAL	14LEAD	+5V	75C	70MW	12TPNS	-	MOT	OBSOLETE
MC421	TTL	FFR	RS FLIP FLOP, AC COUPLED	14LEAD	+5V	75C	50MW	18TPNS	-	MOT	OBSOLETE
MC422	TTL	FFD	D FLIP FLOP, DUAL	14LEAD	+5V	75C	150MW	16TPNS	-	MOT	OBSOLETE
MC423	TTL	FFJ	JK FLIP FLOP, SEP CLOCK, DUAL	14LEAD	+5V	75C	170MW	12TPNS	-	MOT	OBSOLETE
MC424	TTL	FFJ	JK FLIP FLOP, COMMON CLK, DUAL	14LEAD	+5V	75C	170MW	12TPNS	-	MOT	OBSOLETE
MC425	TTL	INV	INVERTER, HEX	14LEAD	+5V	75C	-	-	-	MOT	OBSOLETE
MC426	TTL	AND	AND,PULSE SHAPE,DELAY,3IP,DUAL	14LEAD	+5V	75C	100MW	15MXNS	-	MOT	OBSOLETE
MC427	TTL	AND	AND, 4IP, OR EXPANDABLE DUAL	14LEAD	+5V	75C	65MW	10TPNS	-	MOT	OBSOLETE
MC428	TTL	EXP	EXPANDER, OR, 2WIDE,2-3IP,DUAL	14LEAD	+5V	75C	25MW	-	-	MOT	OBSOLETE
MC429	TTL	INV	INVERTER, HEX	14LEAD	+5V	75C	150MW	10TPNS	-	MOT	OBSOLETE
MC450 SERIES	TTL	-	10MA OP VRSN OF 20MA MC400 SER	14LEAD	+5V	75C	-	-	-	MOT	OBSOLETE
MC450F SERIES	TTL	-	FLAT PACK VERSION OF MC450 SER	FLP14	+5V	75C	-	-	-	MOT	OBSOLETE
MC450L SERIES	TTL	-	CER DIL VERSION OF MC450 SER	DIL14C	+5V	75C	-	-	-	MOT	OBSOLETE
MC450P SERIES	TTL	-	PLAS DIL VERSION OF MC450 SER.	DIL14P	+5V	75C	-	-	-	MOT	OBSOLETE
MC500 SERIES	TTL	-	125C VRSN OF 75C 20MA MC400 SR	14LEAD	+5V	125	-	-	-	MOT	OBSOLETE
MC500F SERIES	TTL	-	FLAT PACK VERSION OF MC500 SER	FLP14	+5V	125	-	-	-	MOT	OBSOLETE
MC500L SERIES	TTL	-	FLAT PACK VERSION OF MC500 SER	DIL14C	+5V	125	-	-	-	MOT	OBSOLETE
MC500P SERIES	TTL	-	CER DIL VERSION OF MC500 SER	DIL14P	+5V	75C	-	-	-	MOT	OBSOLETE
MC550 SERIES	TTL	-	10MA OP VRSN OF 10MA MC500 SER	14LEAD	+5V	125	-	-	-	MOT	OBSOLETE
MC550F SERIES	TTL	-	FLAT PACK VERSION OF MC400 SER	FLP14	+5V	125	-	-	-	MOT	OBSOLETE
MC550L SERIES	TTL	-	CER DIL VERSION OF MC550 SER	DIL14C			-				
MC550P SERIES	TTL	-	PLAS DIL VERSION OF MC550 SER	DIL14F	+5V	125	-	-	-	MOT	OBSOLETE
MC660-690 SER	HNL	-	HOUSE CODES FOR 660-690 SERIES		+15V	75C	-	-		MOT	660-690 SER
MC700 SERIES	-	-	55C VERSION OF MC800 SERIES	-	+5V	55C	-	-	-	FAS	900 SERIES
MC700 SERIES	RTL	-	55C VRSN NON-DTL MC900 SERIES	TO5	+5V	55C	-	-	-	MOT	OBSOLETE
MC700F SERIES	RTL	-	FLAT PK VERSION OF MC700 SER	FLP---	+5V	55C	-	-	-	MOT	OBSOLETE
MC700G SERIES	RTL	-	TO5 CAN VERSION OF MC700 SER	TO5	+5V	55C	-	-	-	MOT	OBSOLETE
MC700P SERIES	RTL	-	PLAS DIL VRSN OF MC700 SERIES	DIL--P	+5V	55C	-	-	-	MOT	OBSOLETE
MC800 SERIES	-	-	70C VERSION OF 125C MC900 SER.	-	+5V	70C	-	-	-	MOT	900 SERIES
MC800 SERIES	RTL	-	75C VRSN NON-DTL MC900 SERIES	-	+5V	75C	-	-	-	MOT	OBSOLETE
MC800F SERIES	RTL	-	FLAT PK VERSN OF MC800 SERIES	FLP---	+5V	75C	-	-	-	MOT	OBSOLETE
MC800G SERIES	RTL	-	TO5 VERSION OF MC800 SERIES	TO5---	+5V	75C	-	-	-	MOT	OBSOLETE
MC800P SERIES	RTL	-	PLAS DIL VRSN OF MC800 SERIES	DIL--P	+5V	75C	-	-	-	MOT	OBSOLETE
MC830 SERIES	DTL	-	75C VERSION OF MC930 SERIES	-	+5V	75C	-	-	-	MOT	-
MC830F SERIES	DTL	-	FLP VERSION OF MC830 SERIES	FLP---	+5V	75C	-	-	-	MOT	-
MC830G SERIES	DTL	-	TO5 VERSION OF MC830 SERIES	TO5---	+5V	75C	-	-	-	MOT	-
MC830P SERIES	DTL	-	PLAS DIL VRSN OF MC830 SERIES	DIL--P	+5V	75C	-	-	-	MOT	-
MC900 SERIES	-	-	MOTOROLA EQVT FAIRCHILD 900 SR	-	+5V	-	-	-	-	MOT	900 SERIES
MC900 SERIES	RTL	-	MOTOROLA VERSN OF 900 SERIES	-	+3/5V	125	-	-	-	MOT	900 SERIES
MC900F SERIES	RTL	-	FLAT PK VRSN OF MC900 SERIES	FLP---	+3/5V	125	-	-	-	MOT	-
MC900G SERIES	RTL	-	TO5 VERSION OF MC900 SERIES	TO5---	+3/5V	125	-	-	-	MOT	-
MC900P SERIES	RTL	-	PLAS DIL VRSN OF MC900 SERIES	DIL--P	+3/5V	125	-	-	-	MOT	-
MC930 SERIES	DTL	-	MOTOROLA VERSN OF 930 SERIES	VAR	+5V	125	-	-	-	MOT	930 SERIES
MC930F SERIES	DTL	-	FLAT PK VERSION OF MC930 SER	FLP---	+5V	125	-	-	-	MOT	-
MC930G SERIES	DTL	-	TO5 VERSION OF MC930 SERIES	TO5---	+5V	125	-	-	-	MOT	-
MC1000 SERIES	ECL	-	MOTOROLA VRSN 1000 SERIES	-	-5 2V	75C	-	-	-	MOT	-
MC1000F SER	ECL	-	FLAT PK VRSN OF MC1000 SERIES	FLP---	-5.2V	75C	-	-	-	MOT	-
MC1000L SER	ECL	-	CER DIL VRSN OF MC1000 SERIES	DIL--C	-5.2V	75C	-	-	-	MOT	-
MC1000P SER	ECL	-	PLAS DIL VRSN OF MC1000 SERIES	DIL--P	-5 2V	75C	-	-	-	MOT	-
MC1200 SERIES	ECL	-	125C MIL VRSN OF 75C MC1200 SR	-	-5 2V	125	-	-	-	MOT	-
MC1200F SER	ECL	-	FLAT PK VRSN OF MC1200 SERIES	FLP---	-5.2V	125	-	-	-	MOT	-
MC1200L SER	ECL	-	CER DIL VRSN OF MC1200 SERIES	DIL--C	-5 2V	125	-	-	-	MOT	-
MC1600 SERIES	ECL	-	MOTOROLA VRSN 1600 MECL III SR	-	-5.2V	85C	-	-	-	MOT	1600 SERIES
MC1600F SER	ECL	-	FLAT PK VERSION OF MC1600 SER	FLP14-	-5 2V	75C	-	-	-	MOT	OBSOLETE
MC1600L SER	ECL	-	CER DIL VERSION OF MC1600 SER	DIL--C	-5 2V	75C	-	-	-	MOT	OBSOLETE
MC1600P SER	ECL	-	PLAS DIL VERSION OF MC1600 SER	DIL14P	-5 2V	75C	-	-	-	MOT	OBSOLETE
MC1600S SER	ECL	-	STUD-MOUNTED FLP MC1600 SER	STUD	-5 2V	75C	-	-	-	MOT	OBSOLETE
MC1800 SERIES	DTL	-	MOTOROLA OBS VERSN 1800 SERIES	-	+5V	75C	-	-	-	MOT	1800 SERIES
MC1800 SERIES	DTL	-	MOTOROLA VRSN OF 1800 SERIES	-	+5V	75C	-	-	-	MOT	1800 SERIES
MC1800F SER	DTL	-	FLAT PK VERSION OF MC1800 SER	FLP---	+5V	75C	-	-	-	MOT	-
MC1800L SER	DTL	-	CER DIL VERSION OF MC1800 SER	DIL--C	+5V	75C	-	-	-	MOT	-
MC1800P SER	DTL	-	PLAS DIL VERSN OF MC1800 SER	DIL--P	+5V	75C	-	-	-	MOT	-
MC1900 SERIES	DTL	-	MOTOROLA HOUSE CODE 1900 SER	-	+5V	125	-	-	-	MOT	1800 SERIES
MC1900 SERIES	DTL	-	125C VERSION OF 75C MC1800 SR	-	+5V	125	-	-	-	FAS	1900 SERIES
MC1900 SERIES	DTL	-	125C VERSION OF MC1800 SERIES	-	+5V	125	-	-	-	MOT	-
MC1900F SER	DTL	-	FLAT PK VERSN OF MC1900 SERIES	FLP---	+5V	125	-	-	-	MOT	-
MC1900L SER	DTL	-	CER DIL VERSN OF MC1900 SERIES	DIL--C	+5V	125	-	-	-	MOT	-
MC5400F SER	TTL	-	HOUSE CODES FOR SN5400W SERIES	FLP---	-	125	-	-	-	MOT	SN5400W
MC5400L SER	TTL	-	HOUSE CODES FOR SN5400J SERIES	DIL--C	-	125	-	-	-	MOT	SN5400J SER
MC5479F	TTL	FFD	FF/D,+EDG TRIG,SEP S/R/CK,DUAL	FLP14	+5V	125	25MA	16MXNS	F009	MOT	-
MC5479L	TTL	FFD	FF/D,+EDG TRIG,SEP S/R/CK,DUAL	DIL14C	+5V	125	25MA	16MXNS	F008	MOT	-
MC5484L	TTL	MEM	RAM, 16X1 BIT, OC OP	DIL16C	+5V	125	75MA	25TPNS	S003	MOT	SN5484AJ

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
MC7400F SER	TTL	-	HOUSE CODES FOR SN7400W SERIES	FLP---	-	70C	-	-	-	MOT	SN7400W SER
MC7400L SER.	TTL	-	HOUSE CODES FOR SN7400J SER.	DIL--C	-	70C	-	-	-	MOT	SN7400J SER
MC7400P SER.	TTL	-	HOUSE CODES FOR SN7400N SERIES	DIL--P	-	70C	-	-	-	MOT	SN7400N SER.
MC7408F	TTL	AND	AND, 2IP, QUAD	FLP14	+5V	70C	33MA	27MXNS	A001	MOT	S5408W
MC7472F	TTL	FFJ	FF/JK,MASTER SLVE,A GTD,S/R/CK	FLP14	+5V	70C	20MA	15MXMHZ	F006	MOT	7472FC
MC7479F	TTL	FFD	FF/D,+EDG TRIG,SEP S/R/CK,DUAL	FLP14	+5V	70C	25MA	16MXNS	F009	MOT	-
MC7479L	TTL	FFD	FF/D,+EDG TRIG,SEP S/R/CK,DUAL	DIL14C	+5V	70C	25MA	16MXNS	F008	MOT	-
MC7479P	TTL	FFD	FF/D,+EDG TRIG,SEP S/R/CK,DUAL	DIL14P	+5V	70C	25MA	16MXNS	F008	MOT	-
MC7484L	TTL	MEM	RAM, 16X1 BIT, OC OP	DIL16C	+5V	70C	75MA	25TPNS	S003	MOT	SN7484AJ
MC7484P	TTL	MEM	RAM, 16X1 BIT, OC OP	DIL16P	+5V	70C	75MA	25TPNS	S003	MOT	SN7484AN
MC7490F	TTL	CTR	COUNTER, DECADE,2X5 DIV,RIPPLE	FLP14	+5V	70C	70MA	20MXMHZ	C001	MOT	7490AFC
MC7492F	TTL	CTR	COUNTER, DUODECIMAL,2X6 DIVIDE	FLP14	+5V	70C	51MA	10MXMHZ	C002	MOT	7492AFC
MC7493AF	TTL	CTR	COUNTER,4BT BIN,2X8 DIV,RIPPLE	FLP14	+5V	70C	39MA	32MXMHZ	C003	MOT	7493AFC
MC7495F	TTL	SRG	SHIFT REG,4BIT,L/R SHIFT, PIPO	FLP14	+5V	70C	63MA	25MXMHZ	R004	MOT	S5495AW
MC7496F	TTL	SRG	SHIFT REG, 5BT,1 SET,PISO/SIPO	FLP16	+5V	70C	79MA	10MXMHZ	R005	MOT	7496FC
MC8200 SERIES	TTL	VAR	MOTOROLA VRSN OF N8200 SERIES	-	+5V	75C	-	-	-	MOT	8200 SERIES
MC9700 SERIES	RTL	-	HOUSE CODES FOR 9700 SERIES	14/16L	+3.5V	55C	-	-	-	MOT	9700 SERIES
MC9700F SER	RTL	-	FLAT PK VERSN OF MC9700 SERIES	FLP---	+3.5V	55C	-	-	-	MOT	OBSOLETE
MC9700P SER	RTL	-	PLAS DIL VRSN OF MC9700 SERIES	DIL--P	+3.5V	55C	-	-	-	MOT	OBSOLETE
MC9800 SERIES	RTL	-	75C VERSION OF 55C MC9700 SER.	-	+3.5V	75C	-	-	-	MOT	-
MC9800F SER	RTL	-	FLAT PK VRSION OF MC9800 SER	FLP---	+3.5V	75C	-	-	-	MOT	-
MC9800P SER.	RTL	-	PLAS DIL VRSN OF MC9800 SERIES	DIL--P	+3.5V	75C	-	-	-	MOT	-
MC10100L SER	ECL	-	CER DIL VERSN OF 10100 SERIES	DIL--C	-5.2V	85C	-	-	-	MOT	F10100DC SER.
MC10100P SER	ECL	-	PLAS DIL VRSN OF 10100 SERIES	DIL--P	-5.2V	85C	-	-	-	MOT	F10100PC SER
MC10200L SER	ECL	-	CER DIL VERSN OF 10200 SERIES	DIL--C	-5.2V	85C	-	-	-	MOT	F10200DC SER.
MC10200P SER.	ECL	-	PLAS DIL VRSN OF 10200 SERIES	DIL--P	-5.2V	85C	-	-	-	MOT	F10200PC SER.
MC10500F SER	ECL	-	FLAT PK VERSN OF 10500 SERIES	FLP---	-5.2V	125	-	-	-	MOT	F10500FM SER
MC10500L SER	ECL	-	CER DIL VERSN OF 10500 SERIES	DIL--C	-5.2V	125	-	-	-	MOT	F10500DM SER
MC10600F SER	ECL	-	FLAT PK VERSN OF 10600 SERIES	FLP---	-5.2V	125	-	-	-	MOT	F10600FM SER.
MC10600L SER.	ECL	-	CER DIL VERSN OF 10600 SERIES	DIL--C	-5.2V	125	-	-	-	MOT	F10600DM SER
MC12660 SER	HNL	-	MOTOROLA VERSION OF 660 SERIES	DIL--C	+12V	-	-	-	-	MOT	660 SERIES
MC14000AL SER	CMS	-	MOTOROLA VERSION CD4000AF SER.	DIL--C	+10V	125	-	-	-	MOT	CD4000AF SER
MC14000ALS SR	CMS	VAR	BS9000 QUALIFIED MC14000AL SER	DIL--C	+10V	125	-	-	-	MOT	-
MC14000BAL SR	CMS	-	MOTOROLA VERSION CD4000BF SER.	DIL--C	+15V	125	-	-	-	MOT	CD4000BF SER
MC14000BCL SR	CMS	-	MOTOROLA VERSION CD4000BY SER.	DIL--C	+15V	85C	-	-	-	MOT	CD4000BY SER.
MC14000BCP SR	CMS	-	MOTOROLA VERSION CD4000BE SER.	DIL--P	+15V	85C	-	-	-	MOT	CD4000BE SER
MC14000CL SER	CMS	-	MOTOROLA VERSION CD4000AY SER.	DIL--C	+10V	125	-	-	-	MOT	CD4000AY SER
MC14000CLS SR	CMS	VAR	BS9000 QUALIFIED MC14000CL SER	DIL--C	+10V	85C	-	-	-	MOT	-
MC14000CP SER	CMS	-	MOTOROLA VERSION CD4000AE SER.	DIL--P	+10V	85C	-	-	-	MOT	CD400AE SER
MC14000UBAL S	CMS	-	MOTOROLA VERSION CD4000UBF SER	DIL--C	+15V	125	-	-	-	MOT	CD4000UBF SER
MC14000UBCL S	CMS	-	MOTOROLA VERSION CD4000UB SER.	DIL--C	+15V	85C	-	-	-	MOT	CD4000UBY SER
MC14000UBCP S	CMS	-	MOTOROLA VERSION CD4000UBE SER	DIL--P	+15V	85C	-	-	-	MOT	CD4000UBE SER
MC14000UBCL	CMS	NOR	NOR, 3 IP + INVERTER, DUAL	DIL14C	+15V	85C	-	-	Q016	MOT	CD4000UBD
MC14001BCL	CMS	NOR	NOR, 2 IP, QUAD	DIL14C	+15V	85C	-	-	Q017	MOT	CD4001BCJ
MC14001UBCL	CMS	NOR	NOR, 2 IP, QUAD	DIL14C	+15V	85C	-	-	Q017	MOT	SCL4001UBD
MC14002BCL	CMS	NOR	NOR, 4 IP, DUAL	DIL14C	+15V	85C	-	-	Q018	MOT	CD4002BCJ
MC14002UBCL	CMS	NOR	NOR, 4 IP, DUAL	DIL14C	+15V	85C	-	-	Q018	MOT	CD4002UBD
MC14006BCL	CMS	SRG	SHIFT REGISTER, 18 BIT, STATIC	DIL14C	+15V	85C	-	-	R043	MOT	CD4006BCJ
MC14007UBCL	CMS	INV	COMPLMT PAIR + INVERTER, DUAL	DIL14C	+15V	85C	-	-	I005	MOT	4007UBDC
MC14008BCL	CMS	ADD	ADDER, FULL,4BT,PARALLEL CARRY	DIL16C	+15V	85C	-	-	Z047	MOT	CD4008BCJ
MC14009UBCL	CMS	INV	INVERTER/BUFFER,SPLIT VCC, HEX	DIL16C	+15V	85C	-	-	I012	MOT	CD4009UBF
MC14010BCL	CMS	BUF	BUFFER, NON INV,SPLIT VCC, HEX	DIL16C	+15V	85C	-	-	B021	MOT	CD4010BD
MC14011UBCL	CMS	NAN	NAND, 2IP, QUAD	DIL14C	+15V	85C	-	-	N020	MOT	CD4011UBD
MC14011CL	CMS	NAN	NAND, 2IP, QUAD	DIL14C	+10V	85C	-	-	N020	MOT	CD4011CJ
MC14012BCL	CMS	NAN	NAND, 4IP, DUAL	DIL14C	+15V	85C	-	-	N021	MOT	CD4012BCJ
MC14012UBCL	CMS	NAN	NAND, 4IP, DUAL	DIL14C	+15V	85C	-	-	N021	MOT	CD4012UBD
MC14013CL	CMS	FFD	FF/D, SET RESET, DUAL	DIL14C	+15V	85C	-	-	F051	MOT	CD4013AD
MC14014BCL	CMS	SRG	SHFT REG, 8BT,SER-PAR,STAT,SYN	DIL16C	+15V	85C	-	-	R044	MOT	CD4014BCJ
MC14015BCL	CMS	SRG	SHIFT REG, 4BT,SIPO,STAT, DUAL	DIL16C	+15V	85C	-	-	R045	MOT	4015BDC
MC14016BCL	CMS	SWT	SWITCH, SPST,BILATERAL, QUAD	DIL14C	+15V	85C	-	-	Z048	MOT	CD4016BCJ
MC14017BCL	CMS	CTR	COUNTER/DIVIDER, DECADE,SYNCHR	DIL16C	+15V	85C	-	-	C024	MOT	CD4017BCJ
MC14018BCL	CMS	CTR	COUNTER, DIV BY N(2-10),SYNCHR	DIL16C	+15V	85C	-	-	C025	MOT	CD4018BCJ
MC14020BCL	CMS	CTR	COUNTER/DIVIDER, 14BT,BIN,RPPL	DIL16C	+15V	125	-	-	C026	MOT	CD4020BCJ
MC14021BCL	CMS	SRG	SHIFT REG, 8BT,PISO,ASYNC,STAT	DIL16C	+15V	85C	-	-	R046	MOT	CD4021BCJ
MC14022BCL	CMS	CTR	COUNTER/DIVIDER, DIV BY 8,SYNC	DIL16C	+15V	85C	-	-	C027	MOT	CD4022BCJ
MC14023BCL	CMS	NAN	NAND, 3IP, TRIPLE	DIL14C	+15V	85C	-	-	N022	MOT	CD4023BCJ
MC14023UBCL	CMS	NAN	NAND, 3IP, TRIPLE	DIL14C	+15V	85C	-	-	N022	MOT	CD4023UBD
MC14024BCL	CMS	CTR	COUNTER, 7BT,BINARY,RIPPLE	DIL14C	+15V	85C	-	-	C028	MOT	CD4024BCJ
MC14025BCL	CMS	NOR	NOR, 3IP, TRIPLE	DIL14C	+15V	85C	-	-	Q019	MOT	CD4025BCJ
MC14025UBCL	CMS	NOR	NOR, 3IP, TRIPLE	DIL14C	+15V	85C	-	-	Q019	MOT	CD4025UBD
MC14027BCL	CMS	FFJ	FF/JK, MASTER SLAVE, DUAL	DIL16C	+15V	85C	-	-	F052	MOT	CD4027BCJ
MC14028BCL	CMS	DCD	DECODER, BCD-DECML,BNARY-OCTAL	DIL16C	+15V	85C	-	-	D022	MOT	CD4028BCJ
MC14029BCL	CMS	CTR	COUNTER,UP/DWN, DECADE,SYNCHR.	DIL16C	+15V	85C	-	-	C030	MOT	CD4029BCJ
MC14032BCL	CMS	ADD	ADDER, SERIAL,ACT HIGH, TRIPLE	DIL16C	+15V	85C	-	-	Z049	MOT	CD4032BD
MC14035BCL	CMS	SRG	SHIFT REG, 4BT, PIPO	DIL16C	+15V	85C	-	-	R049	MOT	CD4035BCJ

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
MC14038BCL	CMS	ADD	ADDER, SERIAL,ACT LOW, TRIPLE	DIL16C	+15V	85C	-	-	Z050	MOT	CD4038AD
MC14040BCL	CMS	CTR	COUNTER, 12BT,BINARY,RIPPLE	DIL16C	+15V	85C	-	-	C032	MOT	CD4040BCJ
MC14042BCL	CMS	LCH	LATCH, D TYPE,CLOCKED QUAD	DIL16C	+15V	85C	-	-	L018	MOT	CD4042BCJ
MC14043BCL	CMS	LCH	LATCH, RS, NOR, 3S, QUAD	DIL16C	+15V	85C	-	-	L019	MOT	CD4043BCJ
MC14044BCL	CMS	LCH	LATCH RS, NOR, 3S, QUAD	DIL16C	+15V	85C	-	-	L020	MOT	CD4044BCJ
MC14046BCL	CMS	PLL	PHASE LOCK LOOP, MICROPOWER	DIL16C	+15V	85C	-	-	Z051	MOT	CD4046BCJ
MC14049UBCL	CMS	INV	INVERTER, BUFFER, HEX	DIL16C	+15V	85C	-	-	I007	MOT	CD4049UBD
MC14050BCL	CMS	BUF	BUFFER, NON INVERTING, HEX	DIL16C	+15V	85C	-	-	B017	MOT	CD4050BCJ
MC14051BCL	CMS	MUX	MULTIPLEXER, 8-CHANNEL SWITCH	DIL16C	+15V	85C	-	-	M022	MOT	CD4051BCJ
MC14052BCL	CMS	MUX	MUX 4-CH SWITCH,COUPLED, DUAL	DIL16C	+15V	85C	-	-	M023	MOT	CD4052BCJ
MC14053BCL	CMS	MUX	MUX 2-CH SWTCH,COUPLED,TRIPLE	DIL16C	+15V	85C	-	-	M024	MOT	CD4053BCJ
MC14066BCL	CMS	SWT	SWITCH, SPST,BILATERAL, QUAD	DIL14C	+15V	85C	-	-	Z054	MOT	CD4066BCJ
MC14067BCL	CMS	XXX	MUX/DEMUX, 1 TO(FROM) 16 LINES	DIL24C	+15V	85C	-	-	M025	MOT	4067BDC
MC14069UBCL	CMS	INV	INVERTER, HEX	DIL14C	+15V	85C	-	-	I008	MOT	4069UBDM
MC14070BCL	CMS	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14C	+15V	85C	-	-	X008	MOT	CD4070BCJ
MC14071AL	CMS	ORG	OR, 2IP, QUAD	DIL14C	+10V	125	-	-	O002	MOT	HBC4071AD
MC14071BCL	CMS	ORG	OR 2IP QUAD	DIL14C	+15V	85C	-	-	O002	MOT	CD4071BCJ
MC14071CL	CMS	ORG	OR, 2IP QUAD	DIL14C	+10V	85C	-	-	O002	MOT	CM4071AF
MC14071CP	CMS	ORG	OR 2IP, QUAD	DIL14P	+10V	85C	-	-	O002	MOT	CM4071AE
MC14072BCL	CMS	ORG	OR, 4IP, DUAL	DIL14C	+15V	85C	-	-	O003	MOT	CD4072BCJ
MC14073BCL	CMS	AND	AND, 3IP, TRIPLE	DIL14C	+15V	85C	-	-	A008	MOT	CD4073BCJ
MC14075BCL	CMS	ORG	OR, 3IP, TRIPLE	DIL14C	+15V	85C	-	-	O004	MOT	CD4075BCJ
MC14076BCL	CMS	FFD	FF/D, REGISTER, QUAD	DIL16C	+15V	85C	-	-	F053	MOT	CD4076BCJ
MC14077BCL	CMS	XNR	EXCLUSIVE NOR, QUAD	DIL14C	+15V	85C	-	-	X009	MOT	4077BDC
MC14078BCL	CMS	NOR	NOR, 8IP	DIL14C	+15V	85C	-	-	Q020	MOT	4078BDC
MC14081AL	CMS	AND	AND 2IP, QUAD	DIL14C	+10V	125	-	-	A009	MOT	CM4081AD
MC14081BCL	CMS	AND	AND, 2IP, QUAD	DIL14C	+15V	85C	-	-	A009	MOT	CD4081BCJ
MC14081CL	CMS	AND	AND, 2IP, QUAD	DIL14C	+10V	85C	-	-	A009	MOT	CM4081AD
MC14081CP	CMS	AND	AND, 2IP, QUAD	DIL14P	+10V	85C	-	-	A009	MOT	CM4081AE
MC14082BCL	CMS	AND	AND, 4IP, DUAL	DIL C	+15V	85C	-	-	A010	MOT	CD4082BCJ
MC14093BCL	CMS	NAN	NAND, 2IP SCHMITT, QUAD	DIL14C	+15V	85C	-	-	N024	MOT	CD4093BCJ
MC14094BCL	CMS	REG	REGISTER, BUS,8BT,SER-PAR,HLDG	DIL14C	+15V	85C	-	-	R050	MOT	CD4094BD
MC14099BAL	CMS	LCH	LATCH, 8 BIT, ADDRESSABLE	DIL16C	+15V	125	-	-	L021	MOT	CD4099BMJ
MC14099BCL	CMS	LCH	LATCH, 8 BIT, ADDRESSABLE	DIL16C	+15V	85C	-	-	L021	MOT	CD4099BCJ
MC14099BCP	CMS	LCH	LATCH, 8 BIT, ADDRESSABLE	DIL16P	+15V	85C	-	-	L021	MOT	CD4099BCN
MC14100BAL SR	CMS	-	MOTOROLA VERSION 40100BDM SER.	DIL--C	+15V	125	-	-	-	MOT	40100BDM SER.
MC14100BCL SR	CMS	-	MOTOROLA VERSION 40100BDC SER.	DIL--C	+15V	85C	-	-	-	MOT	40100BDM SER
MC14100BCP SR	CMS	-	MOTOROLA VERSION 40100BPC SER.	DIL--P	+15V	85C	-	-	-	MOT	40100BPC SER
MC14160BAL	CMS	CTR	COUNTER,DECADE,SYNC, ASYNC CLR	DIL16C	+15V	125	-	-	C038	MOT	BCL4160BD
MC14160BCL	CMS	CTR	COUNTER,DECADE,SYNC, ASYNC CLR	DIL16C	+15V	85C	-	-	C038	MOT	SCL40160BC
MC14160BCP	CMS	CTR	COUNTER,DECADE,SYNC, ASYNC CLR	DIL16P	+15V	85C	-	-	C038	MOT	SCL4160BC
MC14161BAL	CMS	CTR	COUNTER,BINARY,SYNC, ASYNC CLR	DIL16C	+15V	125	-	-	C038	MOT	SCL4161BD
MC14161BCL	CMS	CTR	COUNTER,DECADE,SYNC, ASYNC CLR	DIL16C	+15V	85C	-	-	C038	MOT	SCL4161BD
MC14161BCP	CMS	CTR	COUNTER,DECADE,SYNC, ASYNC CLR	DIL16P	+15V	85C	-	-	C038	MOT	SCL4161BE
MC14162BAL	CMS	CTR	COUNTER,DECADE,SYNC, SYNC CLR	DIL16C	+15V	125	-	-	C038	MOT	BCL4162BD
MC14162BCL	CMS	CTR	COUNTER,DECADE,SYNC, SYNC CLR	DIL16C	+15V	85C	-	-	C038	MOT	SCL4162BD
MC14162BCP	CMS	CTR	COUNTER,DECADE,SYNC, SYNC CLR	DIL16P	+15V	85C	-	-	C038	MOT	SCL4162BE
MC14163BAL	CMS	CTR	COUNTER,BINARY,SYNC, SYNC CLR	DIL16C	+15V	125	-	-	C038	MOT	BCL4163BD
MC14163BCL	CMS	CTR	COUNTER,BINARY,SYNC, SYNC CLR	DIL16C	+15V	85C	-	-	C038	MOT	SCL4163BD
MC14163BCP	CMS	CTR	COUNTER,BINARY,SYNC, SYNC CLR	DIL16P	+15V	85C	-	-	C038	MOT	SCL4163BE
MC14174BAL	CMS	FFD	FF/D, HEX	DIL16C	+15V	125	-	-	F055	MOT	BCL4174BD
MC14174BCL	CMS	FFD	FF/D, HEX	DIL16C	+15V	85C	-	-	F055	MOT	SCL4174BD
MC14174BCP	CMS	FFD	FF/D, HEX	DIL16P	+15V	85C	-	-	F055	MOT	SCL4174BE
MC14175BAL	CMS	FFD	FF/D, QUAD	DIL16C	+15V	125	-	-	F056	MOT	-
MC14175BCL	CMS	FFD	FF/D, QUAD	DIL16C	+15V	85C	-	-	F056	MOT	MC4175BAL
MC14175BCP	CMS	FFD	FF/D, QUAD	DIL16P	+15V	85C	-	-	F056	MOT	MC14175BCL
MC14194BAL	CMS	SRG	SHIFT REG, 4BT, BIDIRECTIONAL	DIL16C	+15V	125	-	-	R055	MOT	HD14194B
MC14194BCL	CMS	SRG	SHIFT REG, 4BT, BIDIRECTIONAL	DIL16C	+15V	85C	-	-	R055	MOT	HD14194B
MC14194BCP	CMS	SRG	SHIFT REG, 4BT, BIDIRECTIONAL	DIL16P	+15V	85C	-	-	R055	MOT	HD14194B
MC14400L SER	CMS	VAR	MOTOROLA SUBSYSTEM DEVICE SER.	DIL--C	VAR	85C	-	-	VAR	MOT	-
MC14400P SER	CMS	VAR	MOTOROLA SUBSYSTEM DEVICE SER.	DIL--P	VAR	85C	-	-	VAR	MOT	-
MC14403L	CMS	XXX	TONE DIALLER,DUAL TONE,MULTI-F	DIL16C	+12V	85C	-	-	Z999	MOT	-
MC14403P	CMS	XXX	TONE DIALLER,DUAL TONE,MULTI-F	DIL16P	+12V	85C	-	-	Z999	MOT	-
MC14405L	CMS	XXX	TONE DIALLER,DUAL TONE,MULTI-F	DIL18C	+12V	85C	-	-	Z999	MOT	-
MC14405P	CMS	XXX	TONE DIALLER,DUAL TONE,MULTI-F	DIL18P	+12V	85C	-	-	Z999	MOT	-
MC14406L	CMS	XXX	CODEC,PCM,COMPANDED,DUPLEX 8BT	DIL28C	+12V	85C	-	-	Z999	MOT	-
MC14406P	CMS	XXX	CODEC,PCM,COMPANDED,DUPLEX 8BT	DIL28P	+12V	85C	-	-	Z999	MOT	-
MC14407L	CMS	XXX	CODEC,PCM,COMPANDED,DUPLEX 8BT	DIL24C	+12V	85C	-	-	Z999	MOT	-
MC14407P	CMS	XXX	CODEC,PCM,COMPANDED,DUPLEX 8BT	DIL24P	+12V	85C	-	-	Z999	MOT	-
MC14408L	CMS	XXX	CONVERTER, BIN TO PHONE PULSE	DIL16C	+5V	85C	-	-	Z999	MOT	-
MC14408P	CMS	XXX	CONVERTER, BIN TO PHONE PULSE	DIL16P	+5V	85C	-	-	Z999	MOT	-
MC14409L	CMS	XXX	CONVERTER, BIN TO PHONE PULSE	DIL16C	+5V	85C	-	-	Z999	MOT	-
MC14409P	CMS	XXX	CONVERTER, BIN TO PHONE PULSE	DIL16P	+5V	85C	-	-	Z999	MOT	-
MC14410L	CMS	ENC	ENCODER, 2 OF 8 TONE	DIL16C	+5V	85C	-	-	Z999	MOT	-
MC14410P	CMS	ENC	ENCODER, 2 OF 8 TONE	DIL16P	+5V	85C	-	-	Z999	MOT	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
MC14411L	CMS	XXX	BIT RATE FREQUENCY GENERATOR	DIL24C	+5V	85C	-	-	Z999	MOT	-
MC14411P	CMS	XXX	BIT RATE FREQUENCY GENERATOR	DIL24P	+5V	85C	-	-	Z999	MOT	-
MC14412FL	CMS	MOD	MODEM, UNIVERSAL,LOW SPEED	DIL16C	+15V	85C	-	-	Z059	MOT	-
MC14412FP	CMS	MOD	MODEM, UNIVERSAL,LOW SPEED	DIL16P	+15V	85C	-	-	Z059	MOT	-
MC14412VL	CMS	MOD	MODEM, UNIVERSAL,LOW SPEED	DIL16C	+6V	85C	-	-	Z059	MOT	-
MC14412VP	CMS	MOD	MODEM, UNIVERSAL,LOW SPEED	DIL16P	+6V	85C	-	-	Z059	MOT	-
MC14413L	CMS	XXX	PCM CODEC, SAMPLED DATA FILTER	DIL16C	+12V	85C	-	-	Z999	MOT	-
MC14413P	CMS	XXX	PCM CODEC, SAMPLED DATA FILTER	DIL16P	+12V	85C	-	-	Z999	MOT	-
MC14415EFL	CMS	XXX	TIMER DRIVER, PRECISION, QUAD	DIL16C	+18V	125	-	-	Z999	MOT	-
MC14415FL	CMS	XXX	TIMER DRIVER, PRECISION, QUAD	DIL16C	+18V	85C	-	-	Z999	MOT	-
MC14415FP	CMS	XXX	TIMER DRIVER, PRECISION, QUAD	DIL16P	+18V	85C	-	-	Z999	MOT	-
MC14415EVL	CMS	XXX	TIMER DRIVER, PRECISION, QUAD	DIL16C	+6V	125	-	-	Z999	MOT	-
MC14415VL	CMS	XXX	TIMER DRIVER, PRECISION, QUAD	DIL16C	+6V	85C	-	-	Z999	MOT	-
MC14415VP	CMS	XXX	TIMER DRIVER, PRECISION, QUAD	DIL16P	+6V	85C	-	-	Z999	MOT	-
MC14419L	CMS	ENC	ENCODER, KEYPAD TO BIN, 2 OF 8	DIL16C	+5V	85C	-	-	Z999	MOT	-
MC14419P	CMS	ENC	ENCODER, KEYPAD TO BIN, 2 OF 8	DIL16P	+5V	85C	-	-	Z999	MOT	-
MC14421P	CMS	XXX	TV TUNING MEMORY SYSTEM	DIL24P	-	85C	-	-	Z999	MOT	-
MC14422P	CMS	XXX	REMOTE CONTROL XMTTR,22 CHANNL	DIL16P	+8V	85C	-	-	Z999	MOT	-
MC14424P	CMS	XXX	REMOTE CONTROL XMTTR,31 CHANNL	DIL16P	+8V	85C	-	-	Z999	MOT	-
MC14425P	CMS	XXX	TV TUNING SYSTEM CONTROLLER	DIL18P	+5V	85C	-	-	Z999	MOT	-
MC14426P	CMS	XXX	TV TUNING SYSTEM MEMORY CCT	DIL16P	+5V	85C	-	-	Z999	MOT	-
MC14429AP	CMS		TV TUNING MEMORY SYSTEM,CNTRLR	DIL18P	+5V	85C	-	-	Z999	MOT	-
MC14430P	CMS	XXX	ENCODER,IP ADDRESSING,TV TUNER	DIL16P	+5V	85C	-	-	Z999	MOT	-
MC14433L	CMS	ADC	A/D CONVERTER, 3.5 DIGIT,0.05%	DIL24C	+5V	85C	-	-	Z999	MOT	-
MC14433P	CMS	ADC	A/D CONVERTER, 3.5 DIGIT,0.05%	DIL24P	+5V	85C	-	-	Z999	MOT	-
MC14435EFL	CMS	ADC	A/D LOGIC SUBSYSTEM,3.5 DIGIT	DIL16C	+15V	125	-	-	Z999	MOT	-
MC14435EVL	CMS	ADC	A/D LOGIC SUBSYSTEM,3.5 DIGIT	DIL16C	+5	125	-	-	Z999	MOT	-
MC14435FL	CMS	ADC	A/D LOGIC SUBSYSTEM,3.5 DIGIT	DIL16C	+15V	85C	-	-	Z999	MOT	-
MC14435FP	CMS	ADC	A/D LOGIC SUBSYSTEM,3.5 DIGIT	DIL16P	+15V	85C	-	-	Z999	MOT	-
MC14435VL	CMS	ADC	A/D LOGIC SUBSYSTEM,3.5 DIGIT	DIL16C	+5V	85C	-	-	Z999	MOT	-
MC14435VP	CMS	ADC	A/D LOGIC SUBSYSTEM,3.5 DIGIT	DIL16P	+5V	85C	-	-	Z999	MOT	-
MC14447L	CMS	ADC	A/D CONVERTER,MICROPROC BASED	DIL16C	+15V	85C	-	-	Z999	MOT	-
MC14447P	CMS	ADC	A/D CONVERTER,MICROPROC BASED	DIL16P	+15V	85C	-	-	Z999	MOT	-
MC14450L	CMS	OSC	OSCILLATOR,2 PWR 16 DIV,BUFFER	FLP6	+1.5V	85C	-	-	Z999	MOT	-
MC14450P	CMS	OSC	OSCILLATOR,2 PWR 16 DIV,BUFFER	FLP6	+1.5V	85C	-	-	Z999	MOT	-
MC14451L	CMS	OSC	OSCILLATOR,2 PWR 11-19 DIV,BFR	DIL16C	+1.5V	85C	-	-	Z999	MOT	-
MC14451P	CMS	OSC	OSCILLATOR 2 PWR 11-19 DIV,BFR	DIL16P	+1.5V	85C	-	-	Z999	MOT	-
MC14457P	CMS	TXL	TRANSMITTER, REMOTE CONT,16 CH	DIL16P	+10V	85C	-	-	Z999	MOT	-
MC14458P	CMS	RCV	RECEIVER, REMOTE CONTROL,16 CH	DIL24P	+5V	85C	-	-	Z999	MOT	-
MC14459L	CMS	XXX	AUTO SPEED CONTROL PROCESSOR	DIL16C	+5V	85C	-	-	W004	MOT	-
MC14459P	CMS	XXX	AUTO SPEED CONTROL PROCESSOR	DIL16P	+5V	85C	-	-	W004	MOT	-
MC14460P	CMS	XXX	AUTOMOTIVE SPEED CONTROLLER	DIL16P	+15V	85C	-	-	Z999	MOT	-
MC14461P	CMS	XXX	SMOKE DETECTOR, ION TYPE,	DIL16P	+9V	85C	-	-	Z999	MOT	-
MC14462P	CMS	XXX	SMOKE DETECTOR, ION TYPE, +FET	DIL16P	+9V	85C	-	-	Z999	MOT	-
MC14464P	CMS	XXX	SMOKE DETECTOR CCT,PHOTODIODE	DIL16P	+9V	85C	-	-	Z999	MOT	-
MC14465P	CMS	XXX	SMOKE DETECTOR CCT,PHOTO DIODE	DIL16P	+9V	85C	-	-	Z999	MOT	-
MC14466P	CMS	XXX	SMOKE DETECTOR CCT,FET,LO COST	DIL16P	-	85C	-	-	Z999	MOT	-
MC14469L	CMS	TRX	ASYNC RECEIVER/TRANSMITTER	DIL40C	+15V	85C	-	-	Z999	MOT	-
MC14469P	CMS	TRX	ASYNC RECEIVER/TRANSMITTER	DIL40P	+15V	85C	-	-	Z999	MOT	-
MC14490EFL	CMS	XXX	CONTACT BOUNCE ELIMINATOR, HEX	DIL16C	+15V	125	-	-	Z999	MOT	-
MC14490EVL	CMS	XXX	CONTACT BOUNCE ELIMINATOR, HEX	DIL16C	+5V	125	-	-	Z999	MOT	-
MC14490FL	CMS	XXX	CONTACT BOUNCE ELIMINATOR, HEX	DIL16C	+15V	85C	-	-	Z999	MOT	-
MC14490FP	CMS	XXX	CONTACT BOUNCE ELIMINATOR, HEX	DIL P	+15V	85C	-	-	Z999	MOT	-
MC14490VL	CMS	XXX	CONTACT BOUNCE ELIMINATOR, HEX	DIL16C	+5V	85C	-	-	Z999	MOT	-
MC14490VP	CMS	XXX	CONTACT BOUNCE ELIMINATOR, HEX	DIL16P	+5V	85C	-	-	Z999	MOT	-
MC14491L	CMS	XXX	MULTIFUNCTION DEBOUNCE CIRCUIT	DIL16C	+15V	85C	-	-	Z999	MOT	-
MC14491P	CMS	XXX	MULTIFUNCTION DEBOUNCE CIRCUIT	DIL16P	+15V	85C	-	-	Z999	MOT	-
MC14492L	CMS	SWT	SWITCH, CROSSPOINT,2X2X2	DIL16C	+15V	85C	-	-	Z999	MOT	-
MC14492P	CMS	SWT	SWITCH, CROSSPOINT,2X2X2	DIL16P	+15V	85C	-	-	Z999	MOT	-
MC14493P	CMS	DSP	DRIVER,7 SGT LED,1¬ DIG,BIN IP	DIL16P	+15V	85C	-	-	Z999	MOT	-
MC14494P	CMS	DSP	DRIVER,7 SGT LED,1¬ DIG BIN IP	DIL16P	+15V	85C	-	-	Z999	MOT	-
MC14495L	CMS	DSP	DRVR,7 SGT LED,1¬ DIG,BIN+1 IP	DIL16C	+15V	85C	-	-	Z999	MOT	-
MC14495P	CMS	DSP	DRVR,7 SGT LED,1¬ DIG,BIN+1 IP	DIL16P	+15V	85C	-	-	Z999	MOT	-
MC14497P	CMS	XXX	AM/FSK REMOTE CONTROL TX	DIL18P	-	85C	-	-	Z999	MOT	-
MC14499P	CMS	DSP	DRIVER,7 SGT,4 DIGIT,	DIL18P	-	85C	-	-	Z999	MOT	-
MC14500B SER	CMS	-	MOTOROLA VRSN OF CD4500B SER.	-	+15V	VAR	-	-	-	MOT	CD4500B SER
MC14500BAL SR	CMS	VAR	125C CER DIL VRSN MC14500B SER	DIL--C	+15V	125	-	-	-	MOT	CD4500BD SER
MC14500BCL SR	CMS	VAR	85C CER DIL VRSN MC14500B SER.	DIL--C	+15V	85C	-	-	-	MOT	CD4500BD SER
MC14500UBAL S	CMS	VAR	125C CER DIL VRSN MC14500UB SR	DIL--C	+15V	125	-	-	-	MOT	CD4500UBD SER
MC14500UBCL S	CMS	VAR	85C CER DIL VRSN MC14500UB SER	DIL--C	+15V	85C	-	-	-	MOT	CD4500UBD SER
MC14500UBCP S	CMS	VAR	85C PLAS DIL VRSN MC14500UB SR	DIL--P	+15V	85C	-	-	-	MOT	CD4500UBE SER
MC14500BAL	CMS	XXX	INDUSTRIAL CONTROL UNIT	DIL16C	+15V	125	-	-	Z999	MOT	-
MC14500BCL	CMS	XXX	INDUSTRIAL CONTROL UNIT	DIL16C	+15V	85C	-	-	Z999	MOT	-
MC14500BCP	CMS	XXX	INDUSTRIAL CONTROL UNIT	DIL16P	+15V	85C	-	-	Z999	MOT	-
MC14501UBAL	CMS	NAN	GATES,DUAL 4IP NAND,2IP NOR/OR	DIL16C	+15V	125	-	-	Z999	MOT	HD14501

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
MC14501UBCL	CMS	NAN	GATES,DUAL 4IP NAND,2IP NOR/OR	DIL16C	+15V	85C	-	-	Z999	MOT	HD14501
MC14501UBCP	CMS	NAN	GATES,DUAL 4IP NAND,2IP NOR/OR	DIL16P	+15V	85C	-	-	Z999	MOT	HD14501
MC14502BCL	CMS	INV	INVERTER/BUFFER, STROBED, HEX	DIL16C	+15V	85C	-	-	I010	MOT	CD4502BD
MC14503BAL	CMS	BUF	BUFFER, NON INV, 3S, HEX	DIL16C	+15V	125	-	-	B020	MOT	CD4503BMJ
MC14503BCP	CMS	BUF	BUFFER, NON INV, 3S, HEX	DIL16P	+15V	85C	-	-	B020	MOT	CD4503BCN
MC14503BCL	CMS	BUF	BUFFER, NON INV, 3S, HEX	DIL16C	+15V	85C	-	-	B020	MOT	CD4503BCJ
MC14504BAL	CMS	LSH	LEVEL SHIFTER, TTL-CMOS, HEX	DIL16C	+15V	125	-	-	Z999	MOT	-
MC14504BCL	CMS	LSH	LEVEL SHIFTER, TTL-CMOS, HEX	DIL16C	+15V	85C	-	-	Z999	MOT	-
MC14504BCP	CMS	LSH	LEVEL SHIFTER, TTL-CMOS, HEX	DIL16P	+15V	85C	-	-	Z999	MOT	-
MC14506BAL	CMS	AOI	AOI, EXPANDABLE, DUAL	DIL16C	+15V	125	-	-	Z999	MOT	HD14506B
MC14506BCL	CMS	AOI	AOI, EXPANDABLE, DUAL	DIL16C	+15V	85C	-	-	Z999	MOT	HD14506B
MC14506BCP	CMS	AOI	AOI, EXPANDABLE, DUAL	DIL16P	+15V	85C	-	-	Z999	MOT	HD14506B
MC14507AL	CMS	XOR	EXCLUSIVE OR, QUAD	DIL14C	+10V	125	-	-	X008	MOT	-
MC14507CL	CMS	XOR	EXCLUSIVE OR, QUAD	DIL14C	+10V	85C	-	-	X008	MOT	-
MC14507CP	CMS	XOR	EXCLUSIVE OR, QUAD	DIL14P	+10V	85C	-	-	X008	MOT	-
MC14508BCL	CMS	LCH	LATCH, 4 BIT, DUAL	DIL24C	+15V	85C	-	-	L022	MOT	HCF4508BF
MC14510BCL	CMS	CTR	COUNTER,BCD,UP-DWN,SYNC,PRESET	DIL16C	+15V	85C	-	-	C040	MOT	CD4510BCJ
MC14511BCL	CMS	DSP	DRIVER/DECODER/LATCH,BCD-7SGMT	DIL16C	+15V	85C	-	-	D026	MOT	CD4511BCJ
MC14512BAL	CMS	MUX	MUX, DATA SELECTOR, 8 CHANNEL	DIL16C	+15V	125	-	-	M028	MOT	4512BDM
MC14512BCL	CMS	MUX	MUX, DATA SELECTOR, 8 CHANNEL	DIL16C	+15V	85C	-	-	M028	MOT	4512BDC
MC14512BCP	CMS	MUX	MUX, DATA SELECTOR, 8 CHANNEL	DIL16P	+15V	85C	-	-	M028	MOT	4512BPC
MC14513BAL	CMS	DSP	DRIVER/LTCH/DECODER,BCD-7SG,RB	DIL18C	+15V	125	-	-	Z999	MOT	-
MC14513BCL	CMS	DSP	DRIVER/LTCH/DECODER,BCD-7SG,RB	DIL18C	+15V	85C	-	-	Z999	MOT	-
MC14513BCP	CMS	DSP	DRIVER/LTCH/DECODER,BCD-7SG,RB	DIL18P	+15V	85C	-	-	Z999	MOT	-
MC14514BCL	CMS	DCD	DECODER, 4-16LN,4BT,ACT HI,LCH	DIL24P	+15V	85C	-	-	D027	MOT	CD4514BCJ
MC14515BCL	CMS	DCD	DECODER,4-16 LN,4BT,ACT LO,LCH	DIL24C	+15V	85C	-	-	D028	MOT	CD4515BCJ
MC14516BCL	CMS	CTR	COUNTER, BINARY,UP DOWN, SYNCH	DIL16C	+15V	85C	-	-	C041	MOT	CD4516BCJ
MC14517BCL	CMS	SRG	SHIFT REG, 64 BIT, STATIC,DUAL	DIL16C	+15V	85C	-	-	Z999	MOT	CD4517BD
MC14518BCL	CMS	CTR	COUNTER, BCD,UP,SYNC, DUAL	DIL16C	+15V	85C	-	-	C042	MOT	CD4518BCJ
MC14519BAL	CMS	MUX	MULTIPLEXER, 2IP, A/O SEL,QUAD	DIL16C	+15V	125	-	-	M034	MOT	CD4519BMJ
MC14519BCL	CMS	MUX	MULTIPLEXER, 2IP, A/O SEL,QUAD	DIL16C	+15V	85C	-	-	M034	MOT	CD4519BCJ
MC14519BCP	CMS	MUX	MULTIPLEXER, 2IP, A/O SEL,QUAD	DIL16P	+15V	85C	-	-	M034	MOT	CD4519BCN
MC14520BCL	CMS	CTR	COUNTER, BINARY,UP,SYNC, DUAL	DIL16C	+15V	85C	-	-	C043	MOT	CD4520BCJ
MC14521BAL	CMS	DIV	DIVIDER, FREQUENCY, 24-STAGE	DIL16C	+15V	125	-	-	C044	MOT	4521BDM
MC14521BCL	CMS	DIV	DIVIDER, FREQUENCY, 24-STAGE	DIL16C	+15V	85C	-	-	C044	MOT	4521BDC
MC14521BCP	CMS	DIV	DIVIDER, FREQUENCY, 24-STAGE	DIL16P	+15V	85C	-	-	C044	MOT	4521BPC
MC14522BAL	CMS	CTR	COUNTER, 4BT,DIV BY N,PROGRAMM	DIL16C	+15V	125	-	-	C045	MOT	CD4522BMJ
MC14522BCL	CMS	CTR	COUNTER, 4BT,DIV BY N,PROGRAMM	DIL16C	+15V	85C	-	-	C045	MOT	CD4522BCJ
MC14522BCP	CMS	CTR	COUNTER, 4BT,DIV BY N,PROGRAMM	DIL16P	+15V	85C	-	-	C045	MOT	CD4522BCN
MC14524CP	CMS	MEM	ROM, 1K=256X4 BIT	DIL16P	+10V	85C	-	-	Z999	MOT	-
MC14526BAL	CMS	CTR	COUNTER, 4BT,BIN,DIV BY N,PROG	DIL16C	+15V	125	-	-	C045	MOT	CD4526BMJ
MC14526BCL	CMS	CTR	COUNTER, 4BT,BIN,DIV BY N,PROG	DIL16C	+15V	85C	-	-	C045	MOT	CD4526BCJ
MC14526BCP	CMS	CTR	COUNTER, 4BT,BIN,DIV BY N,PROG	DIL16P	+15V	85C	-	-	C045	MOT	CD4526CN
MC14527BCL	CMS	MLT	MULTIPLIER, RATE,BCD	DIL16C	+15V	85C	-	-	Z061	MOT	CD4527BCJ
MC14528BAL	CMS	MON	MULTI, MONOSTABLE,RETRIGG,DUAL	DIL16C	+15V	125	-	-	U009	MOT	CD4528BMJ
MC14528BCL	CMS	MON	MULTI, MONOSTABLE,RETRIGG,DUAL	DIL16C	+15V	85C	-	-	U009	MOT	CD4528BCJ
MC14528BCP	CMS	MON	MULTI, MONOSTABLE,RETRIGG,DUAL	DIL16P	+15V	85C	-	-	U009	MOT	CD4528BCN
MC14529BAL	CMS	ASW	ANALOG DATA SELECTOR,4 CH,DUAL	DIL16C	+15V	125	-	-	M029	MOT	CD4529BMJ
MC14529BCL	CMS	ASW	ANALOG DATA SELECTOR,4 CH,DUAL	DIL16C	+15V	85C	-	-	M029	MOT	CD4529BCJ
MC14529BCP	CMS	ASW	ANALOG DATA SELECTOR,4 CH,DUAL	DIL16P	+15V	85C	-	-	M029	MOT	CD4529BCN
MC14530BAL	CMS	XXX	MAJORITY LOGIC GATE	DIL16C	+15V	125	-	-	Z062	MOT	-
MC14530BCL	CMS	XXX	MAJORITY LOGIC GATE	DIL16C	+15V	85C	-	-	Z062	MOT	-
MC14530BCP	CMS	XXX	MAJORITY LOGIC GATE	DIL16P	+15V	85C	-	-	Z062	MOT	-
MC14531BAL	CMS	XXX	PARITY TREE, 12 BIT	DIL16C	+15V	125	-	-	Z999	MOT	4531BDM
MC14531BCL	CMS	XXX	PARITY TREE, 12 BIT	DIL16C	+15V	85C	-	-	Z999	MOT	4351BDC
MC14531BCP	CMS	XXX	PARITY TREE, 12 BIT	DIL16P	+15V	85C	-	-	Z999	MOT	4531BPC
MC14532BCL	CMS	ENC	ENCODER, PRIORITY	DIL16C	+15V	85C	-	-	M030	MOT	4532BDC
MC14534BAL	CMS	CTR	COUNTER, 5 DECADE, REAL TIME	DIL24C	+15V	125	-	-	Z999	MOT	4534BDM
MC14534BCL	CMS	CTR	COUNTER, 5 DECADE, REAL TIME	DIL24C	+15V	85C	-	-	Z999	MOT	4534BDC
MC14534BCP	CMS	CTR	COUNTER, 5 DECADE, REAL TIME	DIL24P	+15V	85C	-	-	Z999	MOT	4534BPC
MC14536BAL	CMS	XXX	TIMER, PROGRAMMABLE	DIL16C	+15V	125	-	-	Z999	MOT	CD4536BD
MC14536BCL	CMS	XXX	TIMER, PROGRAMMABLE	DIL16C	+15V	85C	-	-	Z999	MOT	CD4536BD
MC14538BAL	CMS	MON	MULTI,MONOSTABLE,PRECISN, DUAL	DIL16C	+15V	125	-	-	U006	MOT	4538BDM
MC14538BCL	CMS	MON	MULTI,MONOSTABLE,PRECISN, DUAL	DIL16C	+15V	85C	-	-	U006	MOT	4538BDC
MC14538BCP	CMS	MON	MULTI,MONOSTABLE,PRECISN, DUAL	DIL16P	+15V	85C	-	-	U006	MOT	4538BPC
MC14539BAL	CMS	MUX	MULTIPLEXER,4 CH SELECTOR,DUAL	DIL16C	+15V	125	-	-	M004	MOT	4539BDM
MC14539BCL	CMS	MUX	MULTIPLEXER,4 CH SELECTOR,DUAL	DIL16C	+15V	85C	-	-	M004	MOT	4539BDC
MC14539BCP	CMS	MUX	MULTIPLEXER,4 CH SELECTOR,DUAL	DIL16P	+15V	85C	-	-	M004	MOT	4539BPC
MC14541BAL	CMS	XXX	OSCILLATOR TIMER,PROGRAMMABLE	DIL14C	+15V	125	-	-	Z063	MOT	CD4541BMJ
MC14541BCL	CMS	XXX	OSCILLATOR TIMER,PROGRAMMABLE	DIL14C	+15V	85C	-	-	Z063	MOT	CD4541BCJ
MC14541BCP	CMS	XXX	OSCILLATOR TIMER,PROGRAMMABLE	DIL14P	+15V	85C	-	-	Z063	MOT	CD4541BC
MC14543BAL	CMS	DSP	DRIVER/LATCH/DECODER, BCD-7SGT	DIL16C	+15V	125	-	-	D024	MOT	CD4543BMJ
MC14543BCL	CMS	DSP	DRIVER/LATCH/DECODER, BCD-7SGT	DIL16C	+15V	85C	-	-	D024	MOT	CD4543BCJ
MC14543BCP	CMS	DSP	DRIVER/LATCH/DECODER, BCD-7SGT	DIL16P	+15V	85C	-	-	D024	MOT	CD4543BCN
MC14544BAL	CMS	DSP	DRIVER/LTCH/DECDR,BCD-7SGT, RB	DIL18C	+15V	125	-	-	Z999	MOT	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
MC14544BCL	CMS	DSP	DRIVER/LTCH/DECDR,BCD-7SGT, RB	DIL18C	+15V	85C	-	-	Z999	MOT	-
MC14544BCP	CMS	DSP	DRIVER/LTCH/DECDR,BCD-7SGT, RB	DIL18P	+15V	85C	-	-	Z999	MOT	-
MC14547BAL	CMS	DSP	DRIVER/LATCH/DECODER, BCD-7SGT	DIL16C	+15V	125	-	-	Z999	MOT	-
MC14547BCL	CMS	DSP	DRIVER/LATCH/DECODER, BCD-7SGT	DIL16C	+15V	85C	-	-	Z999	MOT	-
MC14547BCP	CMS	DSP	DRIVER/LATCH/DECODER, BCD-7SGT	DIL16P	+15V	85C	-	-	Z999	MOT	-
MC14549BAL	CMS	XXX	REGISTER, SUCCESSIVE APPROXN	DIL16C	+15V	125	-	-	Z999	MOT	HD14549B
MC14549BCL	CMS	XXX	REGISTER, SUCCESSIVE APPROXN	DIL16C	+15V	85C	-	-	Z999	MOT	HD14549B
MC14549BCP	CMS	XXX	REGISTER, SUCCESSIVE APPROXN	DIL16P	+15V	85C	-	-	Z999	MOT	-
MC14551BAL	CMS	ASW	ANALOG MUX, 2 CHANNEL, QUAD	DIL16C	+15V	125	-	-	M031	MOT	-
MC14551BCL	CMS	ASW	ANALOG MUX, 2 CHANNEL, QUAD	DIL16C	+15V	85C	-	-	M031	MOT	-
MC14551BCP	CMS	ASW	ANALOG MUX, 2 CHANNEL, QUAD	DIL16P	+15V	85C	-	-	M031	MOT	-
MC14553BAL	CMS	CTR	COUNTER, BCD, 3 DIGIT	DIL16C	+15V	125	-	-	Z999	MOT	4553BDM
MC14553BCL	CMS	CTR	COUNTER, BCD, 3 DIGIT	DIL16C	+15V	85C	-	-	Z999	MOT	4553BDC
MC14553BCP	CMS	CTR	COUNTER, BCD, 3 DIGIT	DIL16P	+15V	85C	-	-	Z999	MOT	4553BPC
MC14554BAL	CMS	MLT	MULTIPLIER, 2X2 BIT,PARALL,BIN	DIL16C	+15V	125	-	-	Z999	MOT	-
MC14554BCL	CMS	MLT	MULTIPLIER, 2X2 BIT,PARALL,BIN	DIL16C	+15V	85C	-	-	Z999	MOT	-
MC14554CP	CMS	MLT	MULTIPLIER, 2X2 BIT,PARALL,BIN	DIL16P	+10V	85C	-	-	Z999	MOT	-
MC14555BCL	CMS	DCD	DECODER,2-4 LN,NON INV, DUAL	DIL16C	+15V	85C	-	-	D029	MOT	4555BDC
MC14556BCL	CMS	DCD	DECODER,2-4 LN,INV,ACT LO,DUAL	DIL16C	+15V	85C	-	-	D030	MOT	4556BDC
MC14557BAL	CMS	SRG	SHIFT REG,1 TO 64BT,VAR LENGTH	DIL16C	+15V	125	-	-	Z999	MOT	4557BDM
MC14557BCL	CMS	SRG	SHIFT REG,1 TO 64BT,VAR LENGTH	DIL16C	+15V	85C	-	-	Z999	MOT	4557BDC
MC14557BCP	CMS	SRG	SHIFT REG,1 TO 64BT,VAR LENGTH	DIL16P	+15V	85C	-	-	Z999	MOT	4557BPC
MC14558BAL	CMS	DSP	DECODER/LATCH, BCD-7 SGT	DIL16C	+15V	125	-	-		MOT	-
MC14558BCL	CMS	DSP	DECODER/LATCH, BCD-7 SGT	DIL16C	+15V	85C	-	-	D003	MOT	-
MC14558BCP	CMS	DSP	DECODER/LATCH, BCD-7 SGT	DIL16P	+15V	85C	-	-	D003	MOT	-
MC14559BAL	CMS	XXX	REGISTER SUCCESSIVE APPROXN	DIL16C	+15V	125	-	-	Z999	MOT	-
MC14559BCL	CMS	XXX	REGISTER, SUCCESSIVE APPROXN	DIL16C	+15V	85C	-	-	Z999	MOT	-
MC14559BCP	CMS	XXX	REGISTER, SUCCESSIVE APPROXN	DIL16P	+15V	85C	-	-	Z999	MOT	-
MC14560BAL	CMS	ADD	ADDER,NBCD(NATURL BIN COD DEC)	DIL16C	+15V	125	-	-	Z999	MOT	4560BDM
MC14560BCL	CMS	ADD	ADDER,NBCD(NATURL BIN COD DEC)	DIL16C	+15V	85C	-	-	Z999	MOT	4560BDC
MC14560BCP	CMS	ADD	ADDER,NBCD(NATURL BIN COD DEC)	DIL16P	+15V	85C	-	-	Z999	MOT	4560BPC
MC14561BAL	CMS	XXX	COMPLEMENTER, NINES	DIL14C	+15V	125	-	-	Z999	MOT	4561BDM
MC14561BCL	CMS	XXX	COMPLEMENTER, NINES	DIL14C	+15V	85C	-	-	Z999	MOT	4561BDC
MC14561BCP	CMS	XXX	COMPLEMENTER, NINES	DIL14P	+15V	85C	-	-	Z999	MOT	4561BPC
MC14562BAL	CMS	SRG	SHIFT REG, 128 BIT,STATIC	DIL14C	+15V	125	-	-	Z999	MOT	-
MC14562BCL	CMS	SRG	SHIFT REG, 128 BIT,STATIC	DIL14C	+15V	85C	-	-	Z999	MOT	-
MC14562BCP	CMS	SRG	SHIFT REG, 128 BIT,STATIC	DIL14P	+15V	85C	-	-	Z999	MOT	-
MC14566BAL	CMS	XXX	TIME BASE GENERATOR,INDUSTRIAL	DIL16C	+15V	125	-	-	Z999	MOT	4566BDM
MC14566BCL	CMS	XXX	TIME BASE GENERATOR,INDUSTRIAL	DIL16C	+15V	85C	-	-	Z999	MOT	-
MC14566BCP	CMS	XXX	TIME BASE GENERATOR,INDUSTRIAL	DIL16P	+15V	85C	-	-	Z999	MOT	-
MC14568BAL	CMS	CTR	COUNTER,PHASE COMPARATOR,PROGR	DIL16C	+15V	125	-	-	C046	MOT	-
MC14568BCL	CMS	CTR	COUNTER,PHASE COMPARATOR,PROGR	DIL16C	+15V	85C	-	-	C046	MOT	-
MC14568BCP	CMS	CTR	COUNTER,PHASE COMPARATOR,PROGR	DIL16P	+15V	85C	-	-	C046	MOT	-
MC14569BAL	CMS	CTR	COUNTER,BCD BINARY,PROGR, DUAL	DIL16C	+15V	125	-	-	Z999	MOT	-
MC14569BCL	CMS	CTR	COUNTER,BCD BINARY,PROGR, DUAL	DIL16C	+15V	85C	-	-	Z999	MOT	-
MC14569BCP	CMS	CTR	COUNTER,BCD BINARY,PROGR, DUAL	DIL16P	+15V	85C	-	-	Z999	MOT	-
MC14572UBAL	CMS	XXX	GATES,2IP AND+2IP NOR+QUAD INV	DIL16C	+15V	125	-	-	Z999	MOT	-
MC14572UBCL	CMS	XXX	GATES,2IP AND+2IP NOR+QUAD INV	DIL16C	+15V	85C	-	-	Z999	MOT	-
MC14572UBCP	CMS	XXX	GATES,2IP AND+2IP NOR+QUAD INV	DIL16P	+15V	85C	-	-	Z999	MOT	-
MC14573AL	CMS	XXX	OPAMP, PROGRAMMABLE, QUAD	DIL16C	+15V	125	-	-	Z999	MOT	-
MC14573CL	CMS	XXX	OPAMP PROGRAMMABLE, QUAD	DIL16C	+15V	85C	-	-	Z999	MOT	-
MC14573CP	CMS	XXX	OPAMP, PROGRAMMABLE, QUAD	DIL16P	+15V	85C	-	-	Z999	MOT	-
MC14574AL	CMS	CMP	COMPARATOR, PROGRAMMABLE, QUAD	DIL16C	+15V	125	-	-	Z999	MOT	-
MC14574CL	CMS	CMP	COMPARATOR, PROGRAMMABLE, QUAD	DIL16C	+15V	85C	-	-	Z999	MOT	-
MC14574CP	CMS	CMP	COMPARATOR, PROGRAMMABLE, QUAD	DIL16P	+15V	85C	-	-	Z999	MOT	-
MC14575AL	CMS	XXX	OPAMP/COMPARTR,PROGR,DUAL/DUAL	DIL16C	+15V	125	-	-	Z999	MOT	-
MC14575CL	CMS	XXX	OPAMP/COMPARTR,PROGR,DUAL/DUAL	DIL16C	+15V	85C	-	-	Z999	MOT	-
MC14575CP	CMS	XXX	OPAMP/COMPARTR,PROGR,DUAL/DUAL	DIL16P	+15V	85C	-	-	Z999	MOT	-
MC14580BAL	CMS	XXX	REGISTER, MULTIPORT, 4X4 BIT	DIL24C	+15V	125	-	-	Z999	MOT	-
MC14580BCL	CMS	XXX	REGISTER, MULTIPORT, 4X4 BIT	DIL24C	+15V	85C	-	-	Z999	MOT	-
MC14580BCP	CMS	XXX	REGISTER, MULTIPORT,4X4 BIT	DIL24P	+15V	85C	-	-	Z999	MOT	-
MC14581BAL	CMS	ALU	ALU(ARITHMETIC LOGIC UNIT),4BT	DIL24C	+15V	125	-	-	Z999	MOT	4581BDM
MC14581BCL	CMS	ALU	ALU(ARITHMETIC LOGIC UNIT),4BT	DIL24C	+15V	85C	-	-	Z999	MOT	4581BDC
MC14581BCP	CMS	ALU	ALU(ARITHMETIC LOGIC UNIT),4BT	DIL24P	+15V	85C	-	-	Z999	MOT	4581BPC
MC14582BAL	CMS	LAC	LOOK AHEAD CARRY BLOCK	DIL16C	+15V	85C	-	-	Z999	MOT	4582BDM
MC14582BCL	CMS	LAC	LOOK AHEAD CARRY BLOCK	DIL16C	+15V	85C	-	-	Z999	MOT	4582BDC
MC14582BCP	CMS	LAC	LOOK AHEAD CARRY BLOCK	DIL16P	+15V	85C	-	-	Z999	MOT	4582BPC
MC14583BAL	CMS	SCH	SCHMITT TRIGGER, INVERTER,DUAL	DIL16C	+15V	125	-	-	I011	MOT	4583BDM
MC14583BCL	CMS	SCH	SCHMITT TRIGGER INVERTER,DUAL	DIL16C	+15V	85C	-	-	I011	MOT	4583BDC
MC14583BCP	CMS	SCH	SCHMITT TRIGGER INVERTER,DUAL	DIL16P	+15V	85C	-	-	I011	MOT	4583BPC
MC14584BAL	CMS	SCH	SCHMITT TRIGGER, INVERTER, HEX	DIL14C	+15V	125	-	-	I004	MOT	CD4584BMJ
MC14584BCL	CMS	SCH	SCHMITT TRIGGER, INVERTER, HEX	DIL14C	+15V	85C	-	-	I004	MOT	CD4584BCJ
MC14584BCP	CMS	SCH	SCHMITT TRIGGER, INVERTER, HEX	DIL14P	+15V	85C	-	-	I004	MOT	CD4584BCN
MC14585BCL	CMS	CMP	COMPARATOR, MAGNITUDE, 4 BIT	DIL16C	+15V	85C	-	-	Z025	MOT	CD4585BD
MC14597BAL	CMS	CTR	COUNTER/LATCH, 8BT,BUS COMPAT	DIL16C	+15V	125	-	-	Z999	MOT	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
MC14597BCL	CMS	CTR	COUNTER/LATCH, 8BT,BUS COMPAT.	DIL16C	+15V	85C	-	-	Z999	MOT	-
MC14597BCP	CMS	CTR	COUNTER/LATCH, 8BT,BUS COMPAT.	DIL16P	+15V	85C	-	-	Z999	MOT	-
MC14598BAL	CMS	LCH	LATCH,ADDRESSABLE,8BT,BUS COMP	DIL18C	+15V	125	-	-	Z999	MOT	-
MC14598BCL	CMS	LCH	LATCH,ADDRESSABLE,8BT,BUS COMP	DIL18C	+15V	85C	-	-	Z999	MOT	-
MC14598BCP	CMS	LCH	LATCH,ADDRESSABLE,8BT,BUS COMP	DIL18P	+15V	85C	-	-	Z999	MOT	-
MC14599BAL	CMS	LCH	LATCH, 8 BIT, ADDRESSABLE	DIL18C	+15V	125	-	-	Z999	MOT	-
MC14599BCL	CMS	LCH	LATCH, 8 BIT, ADDRESSABLE	DIL18C	+15V	85C	-	-	Z999	MOT	-
MC14599BCP	CMS	LCH	LATCH, 8 BIT, ADDRESSABLE	DIL18P	+15V	85C	-	-	Z999	MOT	-
MC54107F	TTL	FFJ	FF/JK, M-S, SEP PCK, DUAL	FLP14	+5V	125	40MA	15MXMHZ	F019	TII	
MC54152AL	TTL	MUX	MUX/DATA SELECTOR,14 PIN 54151	DIL14C	+5V	125	43MA	38MXNS	M003	MOT	-
MC54164AL	TTL	SRG	SHIFT REGISTER, 8 BIT, SIPO	DIL14C	+5V	125	-	-	R006	MOT	-
MC54164AF	TTL	SRG	SHIFT REGISTER, 8 BIT, SIPO	FLP14	+5V	125	-	-	R006	MOT	-
MC54416L	TTL	CTR	COUNTER,MODULO N,PROGRAMMABLE	DIL16C	+5V	125	-	-	C045	MOT	-
MC54417L	TTL	CTR	COUNTER,MODULO N,DECADE,PROGRM	DIL16C	+5V	125	-	-	C045	MOT	-
MC54418L	TTL	CTR	COUNTER,MOD N,HEXADEC,PROGRAMM	DIL16C	+5V	125	-	-	C045	MOT	
MC54419L	TTL	CTR	COUNTER,MOD N,HEXADEC,PROGRAMM	DIL16C	+5V	125	-	-	C045	MOT	
MC54450F	TTL	LCH	COUNTER,LATCH,DECODER	FLP16	+5V	125	-	-	Z999	MOT	-
MC54450L	TTL	LCH	COUNTER,LATCH,DECODER	DIL16C	+5V	125	-	-	Z999	MOT	-
MC54452F	TTL	CTR	COUNTER,DECADE,DUAL	FLP	+5V	125	-	-	Z999	MOT	-
MC54452L	TTL	CTR	COUNTER,DECADE,DUAL	DIL--C	+5V	125	-	-	Z999	MOT	-
MC54453F	TTL	CTR	COUNTER,HEXADECIMAL, DUAL	FLP	+5V	125	-	-	Z999	MOT	-
MC54453L	TTL	CTR	COUNTER,HEXADECIMAL, DUAL	DIL--C	+5V	125	-	-	Z999	MOT	-
MC54454L	TTL	CTR	COUNTER,DECADE,UP/DOWN, DUAL	DIL--C	+5V	125	-	-	Z999	MOT	-
MC54455L	TTL	CTR	COUNTER,HEXADEC,UP/DWN, DUAL	DIL--C	+5V	125	-	-	Z999	MOT	-
MC54456F	TTL	ADD	ADDER,NBCD	FLP	+5V	125	-	-	Z999	MOT	-
MC54456L	TTL	ADD	ADDER,NBCD	DIL--C	+5V	125	-	-	Z999	MOT	-
MC55000 SER	TTL	VAR	MOTOROLA VRSN OF SN55000 SER.	-	+5V	125	-	-	-	MOT	SN55000 SER.
		1ST	SUFFIX: L=DIC, F=FLP								
MC74100F	TTL	FFD	FF/D,BISTABLE LATCH, 4BT, DUAL	FLP24	+5V	70C	106MA	30MXNS	L016	MOT	S54100W
MC74121F	TTL	MON	MONOSTABLE MULTI, SCHMITT TRIG	FLP14	+5V	70C	40MA	-	U001	MOT	74121FC
MC74152F	TTL	MUX	MUX/DATA SELECTOR,14 PIN 74151	FLP14	+5V	70C	43MA	35MXNS	M003	MOT	-
MC74152L	TTL	MUX	MUX/DATA SELECTOR,14 PIN 74151	DIL14C	+5V	70C	43MA	35MXNS	M003	MOT	-
MC74152P	TTL	MUX	MUX/DATA SELECTOR,14 PIN 74151	DIL14P	+5V	70C	43MA	35MXNS	M003	MOT	-
MC74164AL	TTL	SRG	SHIFT REGISTER, 8 BIT, SIPO	DIL14C	+5V	70C	-	-	R006	MOT	-
MC74164AP	TTL	SRG	SHIFT REGISTER, 8 BIT, SIPO	DIL14P	+5V	70C	-	-	R006	MOT	-
MC74164AW	TTL	SRG	SHIFT REGISTER, 8 BIT, SIPO	FLP14	+5V	70C	-	-	R006	MOT	-
MC74182F	TTL	LAC	LOOK AHEAD CARRY GENERATOR,4BT	FLP16	+5V	70C	72MA	11MXNS	Z018	MOT	S54182W
MC74184F	TTL	CVR	CONVERTER,BCD TO BINARY,6BT,OC	FLP16	+5V	70C	99MA	40MXNS	K001	MOT	DM74184W
MC74185AF	TTL	CVR	CONVERTER,BINARY TO BCD,6BT,OC	FLP16	+5V	70C	99MA	40MXNS	K001	MOT	DM74185AW
MC74416L	TTL	CTR	COUNTER,MODULO N,PROGRAMMABLE	DIL16C	+5V	70C	-	-	C045	MOT	-
MC74416P	TTL	CTR	COUNTER,MODULO N,PROGRAMMABLE	DIL16P	+5V	70C	-	-	C045	MOT	-
MC74417L	TTL	CTR	COUNTER,MODULO N,DECADE,PROGRM	DIL16C	+5V	70C	-	-	C045	MOT	-
MC74417P	TTL	CTR	COUNTER,MODULO N,DECADE,PROGRM	DIL16P	+5V	70C	-	-	C045	MOT	-
MC74418L	TTL	CTR	COUNTER,MOD N,HEXADEC,PROGRAMM	DIL16C	+5V	70C	-	-	C045	MOT	-
MC74418P	TTL	CTR	COUNTER,MOD N,HEXADEC,PROGRAMM	DIL16P	+5V	70C	-	-	C045	MOT	-
MC74419F	TTL	CTR	COUNTER,MOD N,HEXADEC,PROGRAMM	FLP16	+5V	70C	-	-	C045	MOT	-
MC74419L	TTL	CTR	COUNTER,MOD N,HEXADEC,PROGRAMM	DIL16C	+5V	70C	-	-	C045	MOT	-
MC74419P	TTL	CTR	COUNTER,MOD N,HEXADEC,PROGRAMM	DIL16P	+5V	70C	-	-	C045	MOT	-
MC74450F	TTL	CTR	COUNTER,LATCH,DECODER	FLP16	+5V	70C	-	-	Z999	MOT	-
MC74450L	TTL	CTR	COUNTER,LATCH,DECODER	DIL16C	+5V	70C	-	-	Z999	MOT	-
MC74450P	TTL	CTR	COUNTER,LATCH,DECODER	DIL16P	+5V	70C	-	-	Z999	MOT	-
MC74452F	TTL	CTR	COUNTER,DECADE,DUAL	FLP	+5V	70C	-	-	Z999	MOT	-
MC74452P	TTL	CTR	COUNTER,DECADE,DUAL	DIL--P	+5V	70C	-	-	Z999	MOT	-
MC74452L	TTL	CTR	COUNTER,DECADE,DUAL	DIL--C	+5V	70C	-	-	Z999	MOT	
MC74453F	TTL	CTR	COUNTER,HEXADECIMAL, DUAL	FLP	+5V	70C	-	-	Z999	MOT	-
MC74453L	TTL	CTR	COUNTER,HEXADECIMAL, DUAL	DIL--C	+5V	70C	-	-	Z999	MOT	-
MC74453P	TTL	CTR	COUNTER,HEXADECIMAL, DUAL	DIL--P	+5V	70C	-	-	Z999	MOT	-
MC74454L	TTL	CTR	COUNTER,DECADE,UP/DOWN, DUAL	DIL--C	+5V	70C	-	-	Z999	MOT	-
MC74454P	TTL	CTR	COUNTER,DECADE,UP/DOWN, DUAL	DIL--P	+5V	70C	-	-	Z999	MOT	-
MC74455L	TTL	CTR	COUNTER,HEXADEC,UP/DWN, DUAL	DIL--C	+5V	70C	-	-	Z999	MOT	-
MC74455P	TTL	CTR	COUNTER,HEXADEC,UP/DWN, DUAL	DIL--P	+5V	70C	-	-	Z999	MOT	-
MC74456F	TTL	ADD	ADDER,NBCD	FLP	+5V	70C	-	-	Z999	MOT	-
MC74456L	TTL	ADD	ADDER,NBCD	DIL--C	+5V	70C	-	-	Z999	MOT	-
MC74456P	TTL	ADD	ADDER,NBCD	DIL--P	+5V	70C	-	-	Z999	MOT	-
MC75000 SER.	TTL	VAR	MOTOROLA VRSN OF SN75000 SER.	-	+5V	70C	-	-	-	MOT	SN75000 SER.
		1ST	SUFFIX. L=DIC, P=DIP, F=FLP				-				
MC141000L	CMS	MIC	MICROCOMPUTER, SINGLE CHIP	DIL28C	+5V	85C	-	-	Z999	MOT	-
MC141099L	CMS	MIC	MPU, SINGLE CHIP	DIL48C	+5V	85C	-	-	Z999	MOT	-
MC141099P	CMS	MIC	MPU, SINGLE CHIP	DIL48P	+5V	85C	-	-	Z999	MOT	-
MC141200L	CMS	MIC	MICROCOMPUTER, SINGLE CHIP	DIL40C	+5V	85C	-	-	Z999	MOT	-
MC142000P	CMS	MIC	MICROCOMPUTER, SINGLE CHIP	DIL40P	+5V	85C	-	-	Z999	MOT	-
MC142100L	CMS	SWT	SWITCH, CROSSPOINT, 4X4	DIL16C	+15V	85C	-	-	Z999	MOT	-
MC142100P	CMS	SWT	SWITCH, CROSSPOINT, 4X4	DIL16P	+15V	85C	-	-	Z999	MOT	-
MC144100P	CMS	DSP	REGISTER,32BT,+4DIG+DISPL DRVR	DIL24P	-	85C	-	-	Z999	MOT	-
MC144110P	CMS	DAC	D/A CONVERTER, HEX	DIL18P	-	85C	-	-	Z999	MOT	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
MC144111P	CMS	DAC	D/A CONVERTER, QUAD	DIL14P	-	85C	-	-	Z999	MOT	-
MC145100 SER.	CMS	VAR	CONTINUATION OF 4500 SERIES	-	VAR	VAR	-	-	-	MOT	-
MC145100L	CMS	SWT	SWITCH, CROSSPOINT, 4X4	DIL16C	+15V	85C	-	-	Z999	MOT	-
MC145100P	CMS	SWT	SWITCH, CROSSPOINT, 4X4	DIL16P	+15V	85C	-	-	Z999	MOT	-
MC145104P	CMS	PLL	PLL, FREQUENCY SYNTHESISER	DIL16P	+10V	85C	-	-	Z999	MOT	-
MC145106P	CMS	PLL	PLL, FREQUENCY SYNTHESISER	DIL18P	+10V	85C	-	-	Z999	MOT	-
MC145107P	CMS	PLL	PLL, FREQUENCY SYNTHESISER	DIL16P	+10V	85C	-	-	Z999	MOT	-
MC145109P	CMS	PLL	PLL, FREQUENCY SYNTHESISER	DIL16P	+10V	85C	-	-	Z999	MOT	-
MC145112P	CMS	PLL	PLL, FREQUENCY SYNTHESISER	DIL18P	+10V	85C	-	-	Z999	MOT	-
MC146500 SER.	CMS	MEM	CMOS MEMORY SERIES	-	-	VAR	-	-	-	MOT	-
MC146805F2L	CMS	MIC	MICROCOMPUTER, SINGLE CHIP	DIL28C	-	85C	-	-	Z999	MOT	-
MC146805G2L	CMS	MIC	MICROCOMPUTER, SINGLE CHIP	DIL40C	-	85C	-	-	Z999	MOT	-
MC146818L	CMS	MIC	REAL TIME CLOCK/RAM	DIL22C	+5V	85C	-	-	Z999	MOT	-
MC146819L	CMS	MIC	REAL TIME CLOCK/RAM	DIL28C	+5V	85C	-	-	Z999	MOT	-
MCE54H00 SER.	HTL	-	RADN RESISTANT SN54H00W SERIES	FLP---	-	125	-	-	-	MOT	
MCE74H00 SER.	HTL	-	RADN RESISTANT SN74H00W SERIES	FLP---	-	70C	-	-	-	MOT	
MCE930 SERIES	DTL	-	MOTOROLA OBS DIEL. ISOL 930 S	-	+5V	-	-	-	-	MOT	-
MCM10400L SER	ECL	-	CER DIL VRSN OF 10400 SERIES	DIL--C	-5.2V	85C	-	-	-	MOT	F10400DC SER
MCM10400P SER	ECL	-	PLAS DIL VRSN OF 10400 SERIES	DIL--P	-5.2V	85C	-	-	-	MOT	F10400PC SER
MCM14505AL	CMS	MEM	RAM, 64X1 BIT, STATIC	DIL14C	+15V	125	-	-	Z999	MOT	-
MCM14505CL	CMS	MEM	RAM, 64X1 BIT, STATIC	DIL14C	+5V	85C	-	-	Z999	MOT	-
MCM14505CP	CMS	MEM	RAM, 64X1 BIT, STATIC	DIL14P	+15V	85C	-	-	Z999	MOT	-
MCM14524AL	CMS	MEM	ROM, 1K=256X4 BIT	DIL16C	+10V	125	-	-	Z999	MOT	-
MCM14524CL	CMS	MEM	ROM, 1K=256X4 BIT	DIL16C	+10V	85C	-	-	Z999	MOT	-
MCM14537AL	CMS	MEM	RAM, 256X1 BIT, STATIC	DIL16C	+15V	125	-	-	Z999	MOT	-
MCM14537CL	CMS	MEM	RAM, 256X1 BIT, STATIC	DIL16C	+15V	85C	-	-	Z999	MOT	-
MCM14552AL	CMS	MEM	RAM, 64X4 BIT, STATIC	DIL24C	+15V	125	-	-	Z999	MOT	-
MCM14552CL	CMS	MEM	RAM, 64X4 BIT, STATIC	DIL24C	+15V	85C	-	-	Z999	MOT	-
MCM14552CP	CMS	MEM	RAM, 64X4 BIT, STATIC	DIL24P	+15V	85C	-	-	Z999	MOT	-
MCM93400 SER.	TTL	-	MOTOROLA VERSION OF 93400 SER.	-	+5V	VAR	-	-	-	MOT	93400 SERIES
MCM93400DC SR	TTL	-	CER DIL 75C VRSN OFMCM93400 SR	DIL--C	+5V	75C	-	-	-	MOT	93400DC SER
MCM93400DM SR	TTL	-	CER DIL 125C VRSN MCM93400 SER	DIL--C	+5V	125	-	-	-	MOT	93400DM
MCM93400FM SR	TTL	-	FLAT PK 125C VRSN MCM93400 SER	FLP---	+5V	125	-	-	-	MOT	93400FM
MCM93400PC SR	TTL	-	PLAS DIL 75C VRSN MCM9340Q SER	DIL--P	+5V	75C	-	-	-	MOT	93400PC SER
MCM144102P	CMS	MEM	MEMORY,TUNING,STATIC, 16X16BT	DIL8P	-	85C	-	-	Z999	MOT	-
MCM145101L	CMS	MEM	RAM, 1K=256X4BT,STATIC	DIL22C	+5V	85C	-	-	Z999	MOT	-
MCM145101P	CMS	MEM	RAM, 1K=256X4BT,STATIC	DIL22P	+5V	85C	-	-	Z999	MOT	-
MCM146504L	CMS	MEM	RAM, 4K=4096X1, STATIC,3S	DIL18C	+5V	85C	-	-	Z999	MOT	-
MCM146504P	CMS	MEM	RAM, 4K=4096X1, STATIC, 3S	DIL18P	+5V	85C	-	-	Z999	MOT	-
MCM146508L	CMS	MEM	RAM, 1K=1024X1BT, STATIC,	DIL16C	+5V	85C	-	-	Z999	MOT	-
MCM146518L	CMS	MEM	RAM, 1K=1024X1, STATIC	DIL18C	+5V	85C	-	-	Z999	MOT	-
MCM146518P	CMS	MEM	RAM, 1K=1024X1, STATIC	DIL18P	+5V	85C	-	-	Z999	MOT	-
MCM146805E2L	CMS	MIC	MICROCOMPUTER, SINGLE CHIP	DIL40C	-	85C	-	-	Z999	MOT	-
MD54SC00AC SR	CMS	-	FAST VERSIONS OF MM54C00	DIL--C	-	125	-	-	-	MIL	M54SC00 SER
MD74SC00AC SR	CMS	-	FAST VERSIONS OF MM54C00 SER.	-	-	70C	-	-	-	MIL	M74SC00 SER
MD4500B SER.	CMS		MITEL VRSN CD4500B SERIES	-	+15V	VAR	-	-	-	MIL	CD4500B SER
MH5400 SERIES	TTL	-	HOUSE CODES FOR SN5400J SERIES	DIL--C	-	125	-	-	-	SSR	SN5400J SER
MH7400 SERIES	TTL	-	HOUSE CODES FOR SN7400J SERIES	DIL--C	-	70C	-	-	-	SSR	SN7400J SER
MH8400 SERIES	TTL	-	HOUSE CODES FOR SN8400J SERIES	-	-	85C	-	-	-	SSR	SN8400J SER
MIC54H00J SER	HTL	-	HOUSE CODES FOR SN54H00J SER.	DIL--C	-	125	-	-	-	ITT	SN54H00J SER
MIC54L00J SER	LTL	-	HOUSE CODES FOR SN54L00J SER.	DIL--C	-	125	-	-	-	ITT	SN54L00J SER
MIC74H00J SER	HTL	-	HOUSE CODES FOR SN74H00J SER.	DIL--C	-	70C	-	-	-	ITT	SN74H00J SER
MIC74L00J SER	LTL	-	HOUSE CODES FOR SN74L00J SER.	DIL--C	-	70C	-	-	-	ITT	SN74L00J SER
MIC74L00N SER	LTL	-	HOUSE CODES FOR SN74L00N SER.	DIL--P	-	70C	-	-	-	ITT	SN74L00N SER
MIC300 SERIES	HNL	-	ITT OBS VERSION 300 SERIES	-	-	-	-	-	-	ITT	300 SERIES
MIC930 SERIES	DTL	-	ITT OBS VERSION 930 SERIES	-	+5V	-	-	-	-	ITT	930 SERIES
MIC1800 SER.	DTL	-	ITT OBS VERSION 1800 SERIES	-	-	-	-	-	-	ITT	1800 SERIES
MIC5400J SER.	TTL	-	HOUSE CODES FOR SN5400J SERIES	DIL--C	-	125	-	-	-	ITT	SN5400J SER.
MIC5400N SER.	TTL	-	HOUSE CODES FOR SN5400N SERIES	DIL--P	-	125	-	-	-	ITT	DM5400N SER.
MIC6400J SER.	TTL	-	HOUSE CODES FOR SN6400C SERIES	DIL--C	-	85C	-	-	-	ITT	SN6400J SER.
MIC7400J SER.	TTL	-	HOUSE CODES FOR SN7400J SERIES	DIL--C	-	70C	-	-	-	ITT	SN7400J
MIC7400N SER.	TTL	-	HOUSE CODES FOR SN7400N SERIES	DIL--P	-	70C	-	-	-	ITT	SN7400N SER.
MIC9090 SER.	DTL	-	ITT OBS VERSION OF 9090 SERIES	-	+5V	-	-	-	-	ITT	9090 SERIES
MM54C00 SER.	CMS	-	2ND SOURCE OF NATIONAL MM54C00	-	+5V	125	-	-	-	MOT	MM54C00 SER
MM54C00 SER.	CMS	-	CMOS 54 SER. DETAILED SEPARAT.	-	-	125	-	-	-	NAT	
MM54C00J	CMS	NAN	NAND, 2IP, QUAD	DIL14C	+5V	125	-	50MXNS	N001	NAT	HD1-54C00
MM54C00W	CMS	NAN	NAND, 2IP, QUAD	FLP14	+5V	125	-	50MXNS	N001	NAT	HD9-54C00
MM54C02J	CMS	NOR	NOR, 2IP, QUAD	DIL14C	+5V	125	-	60MXNS	Q001	NAT	HD1-54C02
MM54C02W	CMS	NOR	NOR, 2IP, QUAD	FLP14	+5V	125	-	60MXNS	Q001	NAT	HD9-54C02
MM54C04J	CMS	INV	INVERTER, HEX	DIL14C	+5V	125	-	70MXNS	I001	NAT	HD1-54C04
MM54C04W	CMS	INV	INVERTER, HEX	FLP14	+5V	125	-	70MXNS	I001	NAT	HD9-54C04
MM54C08J	CMS	AND	AND, 2IP, QUAD	DIL14C	+5V	125	-	80MXNS	A001	NAT	HD1-54C08
MM54C08W	CMS	AND	AND, 2IP, QUAD	FLP14	+5V	125	-	80MXNS	A001	NAT	HD9-54C08
MM54C10J	CMS	NAN	NAND, 3IP, TRIPLE	DIL14C	+5V	125	-	60MXNS	N004	NAT	HD1-54C10
MM54C10W	CMS	NAN	NAND, 3IP, TRIPLE	FLP14	+5V	125	-	60MXNS	N004	NAT	HD9-54C10

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAK ER	SUBSTITUTE
MM54C14J	CMS	SCH	INVERTER, SCHMITT, HEX	DIL14C	+5V	125	-	-	I004	NAT	-
MM54C14W	CMS	SCH	INVERTER, SCHMITT, HEX	FLP14	+5V	125	-	-	I004	NAT	-
MM54C20J	CMS	NAN	NAND, 4IP, DUAL	DIL14C	+5V	125	-	70MXNS	N008	NAT	HD1-54C20
MM54C20W	CMS	NAN	NAND, 4IP, DUAL	FLP14	+5V	125	-	70MXNS	N008	NAT	HD9-54C20
MM54C30J	CMS	NAN	NAND, 8IP	DIL14C	+5V	125	-	125MXNS	N010	NAT	HD1-54C30
MM54C30W	CMS	NAN	NAND, 8IP	FLP14	+5V	125	-	125MXNS	N010	NAT	HD9-54C30
MM54C32J	CMS	ORG	OR, 2IP QUAD	DIL14C	+5V	125	-	35TPNS	O001	NAT	HD1-54C32
MM54C32W	CMS	ORG	OR, 2IP QUAD	FLP14	+5V	125	-	35TPNS	O001	NAT	HD9-54C32
MM54C42J	CMS	DCD	DECODER, BCD-DECIMAL,4-10 LINE	DIL16C	+5V	125	-	250MXNS	D001	NAT	HD1-54C42
MM54C42W	CMS	DCD	DECODER, BCD-DECIMAL,4-10 LINE	FLP16	+5V	125	-	250MXNS	D001	NAT	HD9-54C42
MM54C48J	CMS	DSP	DECODER,BCD-7SGT,INTERN PULLUP	DIL16C	+5V	125	-	1500MXNS	D011	NAT	HD1-54C48
MM54C48W	CMS	DSP	DECODER,BCD-7SGT,INTERN PULLUP	FLP16	+5V	125	-	1500MXNS	D011	NAT	HD9-54C48
MM54C73J	CMS	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	DIL14C	+5V	125	-	250MXNS	F007	NAT	HD1-54C73
MM54C73W	CMS	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	FLP14	+5V	125	-	250MXNS	F007	NAT	HD9-54C73
MM54C74J	CMS	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	DIL14C	+5V	125	-	250MXNS	F008	NAT	HD1-54C74
MM54C74W	CMS	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	FLP14	+5V	125	-	250MXNS	F008	NAT	HD9-54C74
MM54C76J	CMS	FFJ	FF/JK, M-S, SEP S/R/CK, DUAL	DIL16C	+5V	125	-	250MXNS	F010	NAT	HD1-54C76
MM54C76W	CMS	FFJ	FF/JK M-S SEP S/R/CK, DUAL	FLP16	+5V	125	-	250MXNS	F010	NAT	HD9-54C76
MM54C83J	CMS	ADD	ADDER,FULL 4BT BINARY,FST CRRY	DIL16C	+5V	125	-	200MXNS	Z004	NAT	HD1-54C83
MM54C83W	CMS	ADD	ADDER,FULL,4BT BINARY,FST CRRY	FLP16	+5V	125	-	200MXNS	Z004	NAT	HD9-54C83
MM54C85J	CMS	CMP	COMPARATOR, MAGNITUDE, 4 BIT	DIL16C	+5V	125	-	300MXNS	Z005	NAT	HD1-54C85
MM54C85W	CMS	CMP	COMPARATOR, MAGNITUDE, 4 BIT	FLP16	+5V	125	-	300MXNS	Z005	NAT	HD9-54C85
MM54C86J	CMS	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14C	+5V	125	-	90MXNS	X001	NAT	HD1-54C86
MM54C86W	CMS	XOR	EXCLUSIVE OR, 2IP, QUAD	FLP14	+5V	125	-	90MXNS	X001	NAT	HD9-54C86
MM54C89J	CMS	MEM	RAM, 64=16X4 BIT, OC OP	DIL16C	+5V	125	-	650MXNS	S001	NAT	-
MM54C89W	CMS	MEM	RAM, 64=16X4 BIT, OC OP	FLP16	+5V	125	-	650MXNS	S001	NAT	-
MM54C90J	CMS	CTR	COUNTER, DECADE,2X5 DIV,RIPPLE	DIL14C	+5V	125	-	2MXMHZ	C001	NAT	HD1-54C90
MM54C90W	CMS	CTR	COUNTER, DECADE,2X5 DIV,RIPPLE	FLP14	+5V	125	-	2MXMHZ	C001	NAT	HD9-54C90
MM54C93J	CMS	CTR	COUNTER,4BT BIN,2X8 DIV,RIPPLE	DIL14C	+5V	125	-	2MXMHZ	C003	NAT	HD1-54C93
MM54C93W	CMS	CTR	COUNTER,4BT BIN,2X8 DIV,RIPPLE	FLP14	+5V	125	-	2MXMHZ	C003	NAT	HD9-54C93
MM54C95J	CMS	SRG	SHIFT REG,4BIT,L/R SHIFT, PIPO	DIL14C	+5V	125	-	-	R004	NAT	-
MM54C95W	CMS	SRG	SHIFT REG,4BIT,L/R SHIFT, PIPO	FLP14	+5V	125	-	-	R004	NAT	-
MM54C107J	CMS	FFJ	FF/JK, M-S, SEP R/CK, DUAL	DIL14C	+5V	125	-	4MXMHZ	F018	NAT	HD1-54C107
MM54C107W	CMS	FFJ	FF/JK, M-S, SEP R/CK, DUAL	FLP14	+5V	125	-	4MXMHZ	F018	NAT	HD9-54C107
MM54C150J	CMS	MUX	MUX/DATA SELECTOR, 16-TO-1 LN	DIL24C	+5V	125	-	-	M001	NAT	-
MM54C151J	CMS	MUX	MUX/DATA SELECTOR, 8-TO-1 LINE	DIL16C	+5V	125	-	-	M002	NAT	-
MM54C151W	CMS	MUX	MUX/DATA SELECTOR, 8-TO-1 LINE	FLP16	+5V	125	-	-	M002	NAT	-
MM54C154J	CMS	DCD	DECODER/DEMUX, 4-TO-16 LINE	DIL24C	+5V	125	-	-	D009	NAT	HD1-54C154
MM54C157J	CMS	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	DIL16C	+5V	125	-	-	M005	NAT	-
MM54C157W	CMS	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	FLP16	+5V	125	-	-	M005	NAT	-
MM54C160J	CMS	CTR	COUNTER,DEC,4 BIT, SYNC,DRCT R	DIL16C	+5V	125	-	3MXMHZ	C004	NAT	HD1-54C160
MM54C160W	CMS	CTR	COUNTER,DEC,4 BIT, SYNC,DRCT R	FLP16	+5V	125	-	3MXMHZ	C004	NAT	HD9-54C160
MM54C161J	CMS	CTR	COUNTER, BIN,4 BIT,SYNC,DRCT R	DIL16C	+5V	125	-	3MXMHZ	C004	NAT	HD1-54C161
MM54C161W	CMS	CTR	COUNTER, BIN,4 BIT,SYNC,DRCT R	FLP16	+5V	125	-	3MXMHZ	C004	NAT	HD9-54C161
MM54C162J	CMS	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	DIL16C	+5V	125	-	3MXMHZ	C005	NAT	HD1-54162J
MM54C162W	CMS	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	FLP16	+5V	125	-	3MXMHZ	C005	NAT	HD9-54C162
MM54C163J	CMS	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	DIL16C	+5V	125	-	3MXMHZ	C005	NAT	HD1-54C163
MM54C163W	CMS	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	FLP16	+5V	125	-		C005	NAT	HD9-54C163
MM54C164J	CMS	SRG	SHIFT REGISTER, 8 BIT, SIPO	DIL14C	+5V	125	-	-	R006	NAT	-
MM54C164W	CMS	SRG	SHIFT REGISTER, 8 BIT, SIPO	FLP14	+5V	125	-	-	R006	NAT	-
MM54C165J	CMS	SRG	SHIFT REGISTER, 8 BIT, PISO	DIL16C	+5V	125	-	-	R007	NAT	-
MM54C165W	CMS	SRG	SHIFT REGISTER, 8 BIT, PISO	PLP16	+5V	125	-	-	R007	NAT	-
MM54C173J	CMS	FFD	FF/D,LATCH,BUFF REG,4 BT,3S OP	DIL16C	+5V	125	-	-	R010	NAT	-
MM54C173W	CMS	FFD	FF/D,LATCH,BUFF REG,4 BT,3S OP	FLP16	+5V	125	-	-	R010	NAT	-
MM54C174J	CMS	FFD	FF/D, EDGE TRIG,COMM R/CK, HEX	DIL16C	+5V	125	-	-	F025	NAT	-
MM54C174W	CMS	FFD	FF/D, EDGE TRIG,COMM R/CK, HEX	FLP16	+5V	125	-	-	F025	NAT	-
MM54C175J	CMS	FFD	FF/D, ET,COM R/CK,COMP OP,QUAD	DIL16C	+5V	125	-	-	F026	NAT	-
MM54C175W	CMS	FFD	FF/D, ET,COM R/CK,COMP OP,QUAD	FLP16	+5V	125	-	-	F026	NAT	-
MM54C192J	CMS	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	DIL16C	+5V	125	-	4MXMHZ	C009	NAT	HD1-54C192
MM54C192W	CMS	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	FLP16	+5V	125	-	4MXMHZ	C009	NAT	HD9-54C192
MM54C193J	CMS	CTR	COUNTER,HEX,UP/DWN,SYNC,2CK,3S	DIL16C	+5V	125	-	4MXMHZ	C009	NAT	HD1-54C193
MM54C193W	CMS	CTR	COUNTER,HEX,UP/DWN,SYNC,2CK,3S	FLP16	+5V	125	-	4MXMHZ	C009	NAT	HD9-54C193
MM54C195J	CMS	SRG	SHIFT REGISTER,4 BIT, PIPO	DIL16C	+5V	125	-	-	R014	NAT	-
MM54C195W	CMS	SRG	SHIFT REGISTER,4 BIT, PIPO	FLP16	+5V	125	-	-	R014	NAT	-
MM54C200D	CMS	MEM	RAM, 256=256X1 BT, 3S OP	DIL16C	+5V	125	-	900MXNS	S009	NAT	-
MM54C200J	CMS	MEM	RAM, 256=256X1 BT, 3S OP	DIL16C	+5V	125	-	900MXNS	S009	NAT	-
MM54C221J	CMS	MON	MONOSTABLE MULTI,SCHMITT, DUAL	DIL16C	+5V	125	-	250MXNS	U003	NAT	HD1-54C221
MM54C221W	CMS	MON	MONOSTABLE MULTI,SCHMITT, DUAL	FLP16	+5V	125	-	250MXNS	U003	NAT	HD9-54C221
MM54C240J	CMS	LND	LINE DRIVER,3S,INV,LO EN,OCTAL	DIL20C	+5V	125	-	-	B004	NAT	-
MM54C244J	CMS	LND	LINE DRIVER,3S OP,LO EN, OCTAL	DIL20C	+5V	125	-	-	B006	NAT	-
MM54C373J	CMS	LCH	LATCH, LO VOH 54363, OCTAL	DIL20C	+5V	125	-	-	L006	NAT	-
MM54C374J	CMS	FFD	FF/D, LO VOH 54364, OCTAL	DIL20C	+5V	125	-	-	F027	NAT	-
MM54C901J	CMS	INV	INVERTER,BUFFER,TTL IFACE, HEX	DIL14C	+5V	125	-	-	I013	NAT	-
MM54C901W	CMS	INV	INVERTER,BUFFER,TTL IFACE, HEX	FLP14	+5V	125	-	-	I013	NAT	-
MM54C902J	CMS	BUF	BUFFER,NON INV,TTL IFACE, HEX	DIL14C	+5V	125	-	-	B022	NAT	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
MM54C902W	CMS	BUF	BUFFER,NON INV,TTL IFACE, HEX	FLP14	+5V	125	-	-	B022	NAT	-
MM54C903J	CMS	INV	INVERTER, PMOS IFACE, HEX	DIL14C	+5V	125	-	-	I013	NAT	-
MM54C903W	CMS	INV	INVERTER, PMOS IFACE, HEX	FLP14	+5V	125	-	-	I013	NAT	-
MM54C904J	CMS	BUF	BUFFER, PMOS IFACE, HEX	DIL14C	+5V	125	-	-	B022	NAT	-
MM54C904W	CMS	BUF	BUFFER, PMOS IFACE, HEX	FLP14	+5V	125	-	-	B022	NAT	-
MM54C905J	CMS	XXX	REGISTER,SUCCESSIVE APPRX,12BT	DIL24C	+5V	125	-	-	R048	NAT	-
MM54C906J	CMS	BUF	BUFFER,N CH,OD,ACTV PULLUP,HEX	DIL14C	+5V	125	-	-	B022	NAT	-
MM54C906W	CMS	BUF	BUFFER,N CH,OD,ACTV PULLUP,HEX	FLP14	+5V	125	-	-	B022	NAT	-
MM54C907J	CMS	BUF	BUFFER,P CH,OD,ACT PLL DWN,HEX	DIL14C	+5V	125	-	-	B022	NAT	-
MM54C907W	CMS	BUF	BUFFER,P CH,OD,ACT PLL DWN,HEX	FLP14	+5V	125	-	-	B022	NAT	-
MM54C909D	CMS	CMP	COMPARATOR,LINEAR, QUAD	DIL14C	+5V	125	-	-	Z065		-
MM54C909J	CMS	CMP	COMPARATOR,LINEAR, QUAD	DIL14C	+5V	125	-	-	Z065	NAT	-
MM54C910D	CMS	MEM	RAM, 256=64X4 BT, 3S	DIL18C	+5V	125	-	800MXNS	S022	NAT	-
MM54C910J	CMS	MEM	RAM,256=64X4BT, 3S	DIL18C	+5V	125	-	800MXNS	S022	NAT	-
MM54C912J	CMS	DSP	DISPLAY CONTROLLER, 6 DIGIT	DIL28C	+5V	125	-	-	H002	NAT	-
MM54C914J	CMS	INV	INVERTER, SCHMITT, HEX	DIL14C	+5V	125	-	-	I004	NAT	-
MM54C914W	CMS	INV	INVERTER, SCHMITT, HEX	FLP14	+5V	125	-	-	I004	NAT	-
MM54C915J	CMS	DCD	DECODER,7 SGMT TO BCD	DIL18C	+5V	125	-	1000MXNS	D031	NAT	-
MM54C920D	CMS	MEM	RAM,1K=256X4BT,STATIC,SIL GATE	DIL22C	+5V	125	-	275MXNS	S019	NAT	-
MM54C920J	CMS	MEM	RAM,1K=256X4BT,STATIC,SIL GATE	DIL22C	+5V	125	-	275MXNS	S019	NAT	-
MM54C921J	CMS	MEM	RAM,1K=256X4BT,STATIC,COMM IO	DIL18C	+5V	125	-	-	S020	NAT	-
MM54C922J	CMS	ENC	ENCODER,KEYBOARD,16 KEY	DIL18C	+5V	125	-	250MXNS	M032	NAT	-
MM54C923J	CMS	ENC	ENCODER,KEYBOARD,20 KEY	DIL20C	+5V	125	-	250MXNS	M033	NAT	-
MM54C929J	CMS	MEM	RAM,1K=1024X1BT,STATIC	DIL16C	+5V	125	-	-	S010	NAT	-
MM54C930J	CMS	MEM	RAM,1K=1024X1BT,STATIC	DIL18C	+5V	125	-	-	S021	NAT	-
MM54C941J	CMS	BUF	BUFFER,3S, OCTAL	DIL20C	+5V	125	-	-	B026	NAT	-
MM54C948J	CMS	ADC	A/D CVR,BIN OP,8BT,16CH,AN MUX	DIL40C	+5V	125	-	-	Z069	NAT	-
MM54C949J	CMS	ADC	A/D CVR,BIN OP,8BT,8CH,ANL MUX	DIL24C	+5V	125	-	-	Z070	NAT	-
MM54PC00 SER	CMS	-	FASTER VERSIONS OF MM54C00 SER	-	-	125	-	-	-	NAT	-
MM74C00 SER	CMS	-	2ND SOURCE OF NATIONAL MM74C00	-	+5V	70C	-	-	-	MOT	MM74C00 SER
MM74C00 SER	CMS	-	CMOS 74 SER DETAILED SEPARAT	-	-	70C	-	-	-	NAT	-
MM74C00J	CMS	NAN	NAND, 2IP, QUAD	DIL14C	+5V	85C	-	50MXNS	N001	NAT	HD1-74C00
MM74C00N	CMS	NAN	NAND, 2IP, QUAD	DIL14P	+5V	85C	-	50MXNS	N001	NAT	HD3-74C00
MM74C02J	CMS	NOR	NOR, 2IP, QUAD	DIL14C	+5V	85C	-	60MXNS	Q001	NAT	HD1-74C02
MM74C02N	CMS	NOR	NOR, 2IP, QUAD	DIL14P	+5V	85C	-	60MXNS	Q001	NAT	HD3-74C02
MM74C04J	CMS	INV	INVERTER, HEX	DIL14C	+5V	85C	-	70MXNS	I001	NAT	HD1-74C04
MM74C04N	CMS	INV	INVERTER, HEX	DIL14P	+5V	85C	-	70MXNS	I001	NAT	HD3-74C04
MM74C08J	CMS	AND	AND, 2IP, QUAD	DIL14C	+5V	85C	-	80MXNS	A001	NAT	HD1-74C08
MM74C08N	CMS	AND	AND, 2IP, QUAD	DIL14P	+5V	85C	-	80MXNS	A001	NAT	HD3-94C08
MM74C10J	CMS	NAN	NAND, 3IP, TRIPLE	DIL14C	+5V	85C	-	60MXNS	N004	NAT	HD1-74C10
MM74C10N	CMS	NAN	NAND, 3IP, TRIPLE	DIL14P	+5V	85C	-	60MXNS	N004	NAT	HD3-74C10
MM74C14J	CMS	SCH	INVERTER, SCHMITT, HEX	DIL14C	+5V	85C	-	-	I004	NAT	-
MM74C14N	CMS	SCH	INVERTER, SCHMITT, HEX -	DIL14P	+5V	85C	-	-	I004	NAT	-
MM74C20J	CMS	NAN	NAND, 4IP, DUAL	DIL14C	+5V	85C	-	70MXNS	N008	NAT	HD1-74C20
MM74C20N	CMS	NAN	NAND, 4IP, DUAL	DIL14P	+5V	85C	-	70MXNS	N008	NAT	HD3-74C20
MM74C30J	CMS	NAN	NAND, 8IP	DIL14C	+5V	85C	-	125MXNS	N010	NAT	HD1-74C30
MM74C30N	CMS	NAN	NAND, 8IP	DIL14P	+5V	85C	-	125MXNS	N010	NAT	HD3-74C30
MM74C32J	CMS	ORG	OR, 2IP, QUAD	DIL14C	+5V	85C	-	35TPNS	O001	NAT	HD1-74C32
MM74C32N	CMS	ORG	OR, 2IP, QUAD	DIL14P	+5V	85C	-	35TPNS	O001	NAT	HD3-74C32
MM74C42J	CMS	DCD	DECODER, BCD-DECIMAL,4-10 LINE	DIL16C	+5V	85C	-	250MXNS	D001	NAT	HD1-74C42
MM74C42N	CMS	DCD	DECODER, BCD-DECIMAL,4-10 LINE	DIL16P	+5V	85C	-	250MXNS	D001	NAT	HD3-74C42
MM74C48J	CMS	DSP	DECODER,BCD-7SGT,INTERN PULLUP	DIL16C	+5V	85C	-	1500MXNS	D011	NAT	HD1-74C48
MM74C48N	CMS	DSP	DECODER,BCD-7SGT,INTERN PULLUP	DIL16P	+5V	85C	-	1500MXNS	D011	NAT	HD3-74C48
MM74C73J	CMS	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	DIL14C	+5V	85C	-	250MXNS	F007	NAT	HD1-74C73
MM74C73N	CMS	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	DIL14P	+5V	85C	-	250MXNS	F007	NAT	HD3-74C73
MM74C74J	CMS	FFD	FF/D +EDG TRG,SEP S/R/CK,DUAL	DIL14C	+5V	85C	-	250MXNS	F008	NAT	HD1-74C74
MM74C74N	CMS	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	DIL14P	+5V	85C	-	250MXNS	F008	NAT	HD3-74C74
MM74C76J	CMS	FFJ	FF/JK, M-S, SEP S/R/CK, DUAL	DIL16C	+5V	85C	-	250MXNS	F010	NAT	HD1-74C76
MM74C76N	CMS	FFJ	FF/JK, M-S, SER S/R/CK, DUAL	DIL16P	+5V	85C	-	250MXNS	F010	NAT	HD3-74C76
MM74C83J	CMS	ADD	ADDER,FULL,4BT BINARY,FST CRRY	DIL16C	+5V	85C	-	200MXNS	Z004	NAT	HD1-74C83
MM74C83N	CMS	ADD	ADDER,FULL,4BT BINARY,FST CRRY	DIL16P	+5V	85C	-	200MXNS	Z004	NAT	HD3-74C83
MM74C85J	CMS	CMP	COMPARATOR, MAGNITUDE, 4 BIT	DIL16C	+5V	85C	-	300MXNS	Z005	NAT	HD1-74C85
MM74C85N	CMS	CMP	COMPARATOR, MAGNITUDE, 4 BIT	DIL16P	+5V	85C	-	300MXNS	Z005	NAT	HD3-74C85
MM74C86J	CMS	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14C	+5V	85C	-	90MXNS	X001	NAT	HD1-74C86
MM74C86N	CMS	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14C	+5V	85C	-	90MXNS	X001	NAT	HD3-74C86
MM74C89J	CMS	MEM	RAM, 64=16X4 BIT, OC OP	DIL16C	+5V	85C	-	650MXNS	S001	NAT	-
MM74C89N	CMS	MEM	RAM, 64=16X4 BIT, OC OP	DIL16P	+5V	85C	-	650MXNS	S001	NAT	-
MM74C90J	CMS	CTR	COUNTER, DECADE,2X5 DIV,RIPPLE	DIL14C	+5V	85C	-	2MXMHZ	C001	NAT	HD1-74C90
MM74C90N	CMS	CTR	COUNTER, DECADE,2X5 DIV,RIPPLE	DIL14P	+5V	85C	-	2MXMHZ	C001	NAT	HD3-74C00
MM74C93J	CMS	CTR	COUNTER,4BT BIN,2X8 DIV,RIPPLE	DIL14C	+5V	85C	-	2MXMHZ	C003	NAT	HD1-74C93
MM74C93N	CMS	CTR	COUNTER,4BT BIN,2X8 DIV,RIPPLE	DIL14P	+5V	85C	-	2MXMHZ	C003	NAT	HD3-74C93
MM74C95J	CMS	SRG	SHIFT REG,4BIT,L/R SHIFT, PIPO	DIL14C	+5V	85C	-	-	R004	NAT	-
MM74C95N	CMS	SRG	SHIFT REG,4BIT,L/R SHIFT, PIPO	DIL14P	+5V	85C	-	-	R004	NAT	-
MM74C97J	CMS	MLT	6-BIT BINARY RATE MULTIPLIER	DIL16C	+5V	80C	-	-	Z007	NAT	-
MM74C97N	CMS	MLT	6-BIT BINARY RATE MULTIPLIER	DIL16P	+5V	80C	-	-	Z007	NAT	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
MM74C98J	CMS	SEL	DATA SELECTOR,STORAGE REG, 4BT	DIL16P	+5V	85C	-	-	M016	NAT	-
MM74C98N	CMS	SEL	DATA SELECTOR,STORAGE REG, 4BT	DIL16P	+5V	85C	-	-	M016	NAT	-
MM74C107J	CMS	FFJ	FF/JK, M-S, SEP R/CK, DUAL	DIL14C	+5V	85C	-	4MXMHZ	F018	NAT	HD1-74C107
MM74C107N	CMS	FFJ	FF/JK, M-S, SEP R/CK, DUAL	DIL14P	+5V	85C	-	4MXMHZ	F018	NAT	HD3-74C107
MM74C150J	CMS	SEL	MUX/DATA SELECTOR,16-TO-1 LINE	DIL24C	+5V	85C	-	-	M001	NAT	-
MM74C150N	CMS	SEL	MUX/DATA SELECTOR,16-TO-1 LINE	DIL24P	+5V	85C	-	-	M001	NAT	-
MM74C151J	CMS	MUX	MUX/DATA SELECTOR, 8-TO-1 LINE	DIL16C	+5V	85C	-	-	M002	NAT	-
MM74C151N	CMS	MUX	MUX/DATA SELECTOR, 8-TO-1 LINE	DIL16P	+5V	85C	-	-	M002	NAT	-
MM74C154J	CMS	DCD	DECODER/DEMUX,4-TO-16 LINE	DIL24C	+5V	85C	-	-	D009	NAT	HD1-74C154
MM74C154N	CMS	DCD	DECODER/DEMUX, 4-TO-16 LINE	DIL24P	+5V	85C	-	-	D009	NAT	HD3-74C154
MM74C157J	CMS	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	DIL16C	+5V	85C	-	-	M005	NAT	-
MM74C157N	CMS	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	DIL16P	+5V	85C	-	-	M005	NAT	-
MM74C160J	CMS	CTR	COUNTER,DEC,4 BIT, SYNC,DRCT R	DIL16C	+5V	85C	-	3MXMHZ	C004	NAT	HD1-74C160
MM74C160N	CMS	CTR	COUNTER,DEC,4 BIT, SYNC,DRCT R	DIL16P	+5V	85C	-	3MXMHZ	C004	NAT	HD3-74C160
MM74C161J	CMS	CTR	COUNTER, BIN,4 BIT,SYNC,DRCT R	DIL16C	+5V	85C	-	3MXMHZ	C004	NAT	HD1-74C161
MM74C161N	CMS	CTR	COUNTER, BIN,4 BIT,SYNC,DRCT R	DIL16P	+5V	85C	-	3MXMHZ	C004	NAT	HD3-74C161
MM74C162J	CMS	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	DIL16C	+5V	85C	-	3MXMHZ	C005	NAT	HD1-74C162
MM74C162N	CMS	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	DIL16P	+5V	85C	-	3MXMHZ	C005	NAT	HD3-74C162
MM74C163J	CMS	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	DIL16C	+5V	85C	-	3MXMHZ	C005	NAT	HD1-74C163
MM74C163N	CMS	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	DIL16P	+5V	85C	-	3MXMHZ	C005	NAT	HD3-74C163
MM74C164J	CMS	SRG	SHIFT REGISTER, 8 BIT, SIPO	DIL14C	+5V	85C	-	-	R006	NAT	-
MM74C164N	CMS	SRG	SHIFT REGISTER, 8 BIT, SIPO	DIL14P	+5V	85C	-	-	R006	NAT	-
MM74C165J	CMS	SRG	SHIFT REGISTER, 8 BIT, PISO	DIL16C	+5V	85C	-	-	R007	NAT	-
MM74C165N	CMS	SRG	SHIFT REGISTER, 8 BIT, PISO	DIL16P	+5V	85C	-	-	R007	NAT	-
MM74C173J	CMS	FFD	FF/D,LATCH,BUFF REG,4 BT,3S OP	DIL16C	+5V	85C	-	-	R010	NAT	-
MM74C173N	CMS	FFD	FF/D,LATCH,BUFF REG,4 BT,3S OP	DIL16P	+5V	85C	-	-	R010	NAT	-
MM74C174J	CMS	FFD	FF/D, EDGE TRIG,COMM R/CK, HEX	DIL16C	+5V	85C	-	-	F025	NAT	-
MM74C174N	CMS	FFD	FF/D, EDGE TRIG,COMM R/CK, HEX	DIL16P	+5V	85C	-	-	F025	NAT	-
MM74C175J	CMS	FFD	FF/D, ET,COM R/CK,COMP OP,QUAD	DIL16C	+5V	85C	-	-	F026	NAT	-
MM74C175N	CMS	FFD	FF/D, ET,COM R/CK,COMP OP,QUAD	DIL16C	+5V	85C	-	-	F026	NAT	-
MM74C192J	CMS	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	DIL16C	+5V	85C	-	4MXMHZ	C009	NAT	HD1-74C192
MM74C192N	CMS	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	DIL16P	+5V	85C	-	4MXMHZ	C009	NAT	HD3-74C192
MM74C193J	CMS	CTR	COUNTER,HEX,UP/DWN,SYNC,2CK,3S	DIL16C	+5V	85C	-	4MXMHZ	C009	NAT	HD1-74C193
MM74C193N	CMS	CTR	COUNTER,HEX,UP/DWN,SYNC,2CK,3S	DIL16P	+5V	85C	-	4MXMHZ	C009	NAT	HD3-74C193
MM74C195J	CMS	SRG	SHIFT REGISTER,4 BIT, PIPO	DIL16C	+5V	85C	-	-	R014	NAT	-
MM74C195N	CMS	SRG	SHIFT REGISTER,4 BIT, PIPO	DIL16P	+5V	85C	-	-	R014	NAT	-
MM74C200D	CMS	MEM	RAM, 256=256X1 BT, 3S OP	DIL16C	+5V	85C	-	900MXNS	S009	NAT	-
MM74C200J	CMS	MEM	RAM, 256=256X1 BT, 3S OP	DIL16C	+5V	85C	-	900MXNS	S009	NAT	-
MM74C200N	CMS	MEM	RAM, 256=256X1 BT, 3S OP	DIL16P	+5V	85C	-	900MXNS	S009	NAT	-
MM74C221J	CMS	MON	MONOSTABLE MULTI,SCHMITT, DUAL	DIL16C	+5V	85C	-	250MXNS	U003	NAT	HD1-74C221
MM74C221N	CMS	MON	MONOSTABLE MULTI,SCHMITT, DUAL	DIL16P	+5V	85C	-	250MXNS	U003	NAT	HD3-74C221
MM74C240J	CMS	LND	LINE DRIVER,3S,INV,LO EN,OCTAL	DIL20C	+5V	85C	-	-	B004	NAT	-
MM74C240N	CMS	LND	LINE DRIVER,3S,INV,LO EN,OCTAL	DIL20P	+5V	85C	-	-	B004	NAT	-
MM74C244J	CMS	LND	LINE DRIVER,3S OP,LO EN, OCTAL	DIL20C	+5V	85C	-	-	B006	NAT	-
MM74C244N	CMS	LND	LINE DRIVER,3S OP,LO EN, OCTAL	DIL20P	+5V	85C	-	-	B006	NAT	-
MM74C373J	CMS	LCH	LATCH, LO VOH 74363, OCTAL	DIL20C	+5V	85C	-	-	L006	NAT	-
MM74C373N	CMS	LCH	LATCH, LO VOH 74363, OCTAL	DIL20P	+5V	85C	-	-	L006	NAT	-
MM74C374J	CMS	FFD	FF/D, LO VOH 74364, OCTAL	DIL20C	+5V	85C	-	-	F027	NAT	-
MM74C374N	CMS	FFD	FF/D, LO VOH 74374, OCTAL	DIL20P	+5V	85C	-	-	F027	NAT	-
MM74C901J	CMS	INV	INVERTER,BUFFER,TTL IFACE, HEX	DIL14C	+5V	85C	-	-	I013	NAT	-
MM74C901N	CMS	INV	INVERTER,BUFFER,TTL IFACE, HEX	DIL14P	+5V	85C	-	-	I013	NAT	-
MM74C902J	CMS	BUF	BUFFER,NON INV,TTL IFACE, HEX	DIL14C	+5V	85C	-	-	B022	NAT	-
MM74C902N	CMS	BUF	BUFFER,NON INV,TTL IFACE, HEX	DIL14P	+5V	85C	-	-	B022	NAT	-
MM74C903J	CMS	INV	INVERTER, PMOS IFACE, HEX	DIL14C	+5V	85C	-	-	I013	NAT	-
MM74C903N	CMS	INV	INVERTER, PMOS IFACE, HEX	DIL14P	+5V	85C	-	-	I013	NAT	-
MM74C904J	CMS	BUF	BUFFER, PMOS IFACE, HEX	DIL14C	+5V	85C	-	-	B022	NAT	-
MM74C904N	CMS	BUF	BUFFER, PMOS IFACE, HEX	DIL14P	+5V	85C	-	-	B022	NAT	-
MM74C905J	CMS	XXX	REGISTER,SUCCESSIVE APPRX,12BT	DIL24C	+5V	85C	-	-	R048	NAT	-
MM74C905N	CMS	XXX	REGISTER,SUCCESSIVE APPRX,12BT	DIL24P	+5V	85C	-	-	R048	NAT	-
MM74C906J	CMS	BUF	BUFFER,N CH,OD,ACTV PULLUP,HEX	DIL14C	+5V	85C	-	-	B022	NAT	-
MM74C906N	CMS	BUF	BUFFER,N CH,OD,ACTV PULLUP,HEX	DIL14P	+5V	85C	-	-	B022	NAT	-
MM74C907J	CMS	BUF	BUFFER,P CH,OD,ACT PLL DWN,HEX	DIL14C	+5V	85C	-	-	B022	NAT	-
MM74C907N	CMS	BUF	BUFFER,P CH,OD,ACT PLL DWN,HEX	DIL14P	+5V	85C	-	-	B022	NAT	-
MM74C908N	CMS	DVR	DRIVER,CMOS,30V, DUAL	DIL8P	+5V	85C	-	-	B023	NAT	-
MM74C909J	CMS	CMP	COMPARATOR,LINEAR, QUAD	DIL14C	+5V	85C	-	-	Z065	NAT	-
MM74C909N	CMS	CMP	COMPARATOR,LINEAR, QUAD	DIL14P	+5V	85C	-	-	Z065	NAT	-
MM74C910D	CMS	MEM	RAM, 256=64X4 BT, 3S	DIL18C	+5V	85C	-	700MXNS	S022	NAT	-
MM74C910J	CMS	MEM	RAM,256=64X4BT, 3S	DIL18C	+5V	85C	-	700MXNS	S022	NAT	-
MM74C910N	CMS	MEM	RAM,256=64X4BT, 3S	DIL18P	+5V	85C	-	700MXNS	S022	NAT	-
MM74C911N	CMS	DSP	DISPLAY CONTROLLER, 4 DIGIT	DIL28P	+5V	85C	-	-	H001	NAT	-
MM74C912J	CMS	DSP	DISPLAY CONTROLLER, 6 DIGIT	DIL28C	+5V	85C	-	-	H002	NAT	-
MM74C912N	CMS	DSP	DISPLAY CONTROLLER, 6 DIGIT	DIL28P	+5V	85C	-	-	H002	NAT	-
MM74C913J	CMS	DSP	DISPLAY CONTROLLER, 6 DIGIT	DIL24C	+5V	85C	-	-	Z999	NAT	-
MM74C913N	CMS	DSP	DISPLAY CONTROLLER, 6 DIGIT	DIL24P	+5V	85C	-	-	Z999	NAT	-
MM74C914J	CMS	INV	INVERTER, SCHMITT, HEX	DIL14C	+5V	85C	-	-	I004	NAT	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
MM74C914N	CMS	INV	INVERTER, SCHMITT, HEX	DIL14P	+5V	85C	-	-	I004	NAT	-
MM74C915J	CMS	DCD	DECODER,7 SGMT TO BCD	DIL18C	+5V	85C	-	1000MXNS	D031	NAT	-
MM74C915N	CMS	DCD	DECODER,7 SGMT TO BCD	DIL18P	+5V	85C	-	1000MXNS	D031	NAT	-
MM74C917J	CMS	DSP	DISPLAY CONTROLLER, 6 DIGIT	DIL28C	+5V	85C	-	-	H002	NAT	-
MM74C917N	CMS	DSP	DISPLAY CONTROLLER, 6 DIGIT	DIL28P	+5V	85C	-	-	H002	NAT	-
MM74C918N	CMS	BUF	BUFFER,CMOS,30V, DUAL	DIL14P	+5V	85C	-	-	B025	NAT	-
MM74C920D	CMS	MEM	RAM,1K=256X4BT,STATIC,SIL GATE	DIL22C	+5V	85C	-	250MXNS	S019	NAT	-
MM74C920J	CMS	MEM	RAM,1K=256X4BT,STATIC,SEP I/O	DIL22C	+5V	85C	-	-	S019	NAT	-
MM74C920N	CMS	MEM	RAM,1K=256X4BT,STATIC,SEP I/O	DIL22P	+5V	85C	-	-	S019	NAT	-
MM74C921J	CMS	MEM	RAM,1K=256X4BT,STATIC,COMM I/O	DIL18C	+5V	85C	-	-	S020	NAT	-
MM74C922J	CMS	ENC	ENCODER,KEYBOARD,16 KEY	DIL18C	+5V	85C	-	250MXNS	M032	NAT	-
MM74C922N	CMS	ENC	ENCODER,KEYBOARD,16 KEY	DIL18P	+5V	85C	-	250MXNS	M032	NAT	-
MM74C923J	CMS	ENC	ENCODER,KEYBOARD,20 KEY	DIL20C	+5V	85C	-	-	M033	NAT	-
MM74C923N	CMS	ENC	ENCODER,KEYBOARD,20 KEY	DIL20P	+5V	85C	-	-	M033	NAT	-
MM74C925N	CMS	DSP	COUNTER/DRIVER,4 DECADE,7SG OP	DIL16P	+5V	85C	-	-	C049	NAT	-
MM74C926N	CMS	DSP	COUNTER/DRIVER,4 DECD,DSP SEL	DIL18P	+5V	85C	-	-	C048	NAT	-
MM74C927N	CMS	DSP	CNTR/DRVR,4DIG,MINS AND SECNDS	DIL18P	+5V	85C	-	-	C048	NAT	-
MM74C928N	CMS	DSP	COUNTER/DRIVER,4DIG,3.5 DECADE	DIL18P	+5V	85C	-	-	C048	NAT	-
MM74C929J	CMS	MEM	RAM,1K=1024X1BT,STATIC	DIL16C	+5V	85C	-	-	S010	NAT	-
MM74C930J	CMS	MEM	RAM,1K=1024X1BT,STATIC	DIL18C	+5V	85C	-	-	S021	NAT	-
MM74C932N	CMS	CMP	COMPARATOR, PHASE	DIL18P	+5V	85C	-	-	Z066	NAT	-
MM74C935D1	CMS	ADC	A/D CONVERTER,3.5 DIG, DEC OP	DIL28C	+5V	85C	-	-	Z067	NAT	-
MM74C935N1	CMS	ADC	A/D CONVERTER,3.5 DIG, DEC OP	DIL28P	+5V	85C	-	-	Z067	NAT	-
MM74C936N1	CMS	ADC	A/D CONVERTER,3.75DIGIT,DEC OP	DIL24P	+5V	85C	-	-	Z068	NAT	-
MM74C937N1	CMS	ADC	A/D CONVERTER	DIL24P	+5V	85C	-	-	Z068	NAT	-
MM74C938N1	CMS	ADC	A/D CONVERTER,3.75DIG,DEC OP	DIL24P	+5V	85C	-	-	Z068	NAT	-
MM74C941J	CMS	BUF	BUFFER,3S, OCTAL	DIL20C	+5V	85C	-	-	B026	NAT	-
MM74C941N	CMS	BUF	BUFFER,3S, OCTAL	DIL20P	+5V	85C	-	-	B026	NAT	-
MM74C948J	CMS	ADC	A/D CVR,BIN OP,8BT,16CH,AN MUX	DIL40C	+5V	85C	-	-	Z069	NAT	-
MM74C948N	CMS	ADC	A/D CVR,BIN OP,8BT,16CH,AN MUX	DIL40P	+5V	85C	-	-	Z069	NAT	-
MM74C948N1	CMS	ADC	A/D CVR,BIN OP,8BT,16CH,AN MUX	DIL40P	+5V	85C	-	-	Z069	NAT	-
MM74C949J	CMS	ADC	A/D CVR,BIN OP,8BT,8CH,ANL MUX	DIL24C	+5V	85C	-	-	Z070	NAT	-
MM74C949N	CMS	ADC	A/D CVR,BIN OP,8BT,8CH,ANL MUX	DIL24P	+5V	85C	-	-	Z070	NAT	-
MM74C949N1	CMS	ADC	A/D CVR,BIN OP,8BT,8CH,ANL MUX	DIL24P	+5V	85C	-	-	Z070	NAT	-
MM74PC00 SER	CMS	-	FASTER VERSIONS OF MM54C00 SER	-	-	70C	-	-	-	NAT	
MMF00-1 SER	TTL	-	HOUSE CODE FOR SM00-1 SUHL SER	FLP14	-	-	-	-	-	GEC	SM00-1 SERIES
MMF00-2 SER	TTL	-	HOUSE CODE FOR SM00-2 SUHL SER	DIL14C	-		-	-	-	GEC	SM00-2 SERIES
MMF000-1 SER	TTL	-	HOUSE CODE FOR SM000-1 SUHL SR	FLP14	-	-	-	-	-	GEC	SM000-1
MMF000-2 SER	TTL	-	HOUSE CODE FOR SM000-2 SUHL SR	DIL14C	-	-	-	-	-	GEC	SF000-2 SER
MMG00-1 SER	TTL		HOUSE CODE FOR SG00-1 SUHL SER	FLP14	-	-	-	-	-	GEC	SG00-1 SERIES
MMG00-2 SER	TTL	-	HOUSE CODE FOR SG00-2 SUHL SER	DIL14C	-	-	-	-	-	GEC	SG00-2 SERIES
MMG000-1 SER	TTL	-	HOUSE CODE FOR SG000-1 SUHL SR	FLP14	-	-	-	-	-	GEC	SG000-1 SER
MMG000-2 SER	TTL	-	HOUSE CODE FOR SG000-2 SUHL SR	DIL14C	-	-	-	-	-	GEC	SG000-2 SER
MSM4000 SER	CMS	VAR	OKI VRSN OF CD4000A SERIES	-	+10V	VAR	-	-	-	OKI	CD4000 SERIES
N8H00 SERIES	TTL	VAR	75C COMM VRSN OF 8H00 SERIES	-	+5V	75C	-	-	-	SIG	8H00 SERIES
N8T00 SERIES	TTL	VAR	75C COMM VRSN OF 8T00 SERIES	-	+5V	75C	-	-	-	SIG	MC8T00 SERIES
N74H00A SER	HTL	-	HOUSE CODES FOR SN74H00N SER	DIL14P	-	70C	-	-	-	SIG	SN74H00N SER
N74H00B SER	HTL	-	HOUSE CODES FOR SN74H00N SER	DIL16P	-	70C	-	-	-	SIG	SN74H00N SER
N74H00F SER	HTL	-	HOUSE CODES FOR SN74H00J SER	DIL--C	-	70C	-	-	-	SIG	SN74H00J SER
N74H00W SER	HTL	-	HOUSE CODES FOR SN74H00W SER	FLP---	-	70C	-	-	-	SIG	SN74H00W SER
N74L00 SERIES	LTL	-	HOUSE CODES FOR SN74L00 SERIES	-	-	70C	-	-	-	SIG	SN74L00 SER
N74LS00A SER	LST	-	HOUSE CODES FOR SN74LS00N SER	DIL14P	-	70C	-	-	-	SIG	SN74LS00N SER
N74LS003 SER	LST	-	HOUSE CODES FOR SN74LS00N SER	DIL16P	-	70C	-	-	-	SIG	SN74LS00N SER
N74LS00F SER	LST	-	HOUSE CODES FOR SN74LS00J SER	DIL--C	-	70C	-	-	-	SIG	SN74LS00J SER
N74LS00N SER	LST	-	HOUSE CODES FOR SN74LS00N SER	DIL24P	-	70C	-	-	-	SIG	SN74LS00N SER
N74LS194B	LST	SRG	SHIFT REGISTER,4 BIT,L/R, PIPO	DIL16P	+5V	70C	-	-	R013	SIG	-
N74LS194F	LST	SRG	SHIFT REGISTER,4 BIT,L/R, PIPO	DIL16C	+5V	70C	-	-	R013	SIG	S54LS194AW
N74LS195B	LST	SRG	SHIFT REGISTER, 4 BIT, PIPO	DIL16P	+5V	70C	21MA	30MXMHZ	R014	SIG	-
N74LS195F	LST	SRG	SHIFT REGISTER,4 BIT, PIPO	DIL16C	+5V	70C	21MA	30MXMHZ	R014	SIG	-
N74S00A SER	STL	-	HOUSE CODES FOR SN74S00N SER	DIL14P	-	70C	-	-	-	SIG	SN74S00N SER
N74S00B SER	STL	-	HOUSE CODES FOR SN74S00N SER	DIL16P	-	70C	-	-	-	SIG	SN74S00N SER
N74S00F SER	STL	-	HOUSE CODES FOR SN74S00J SER	DIL--C	-	70C	-	-	-	SIG	SN74S00J SER
N74S00N SER	STL	-	HOUSE CODES FOR SN74S00N SER	DIL24P	-	70C	-	-	-	SIG	SN74S00N SER
N74S21A	STL	AND	AND, 4IP, DUAL	DIL14P	+5V	70C	-	-	A005	SIG	-
N74S21F	STL	AND	AND, 4IP, DUAL	DIL14C	+5V	70C	-	-	A005	SIG	-
N74S176A	STL	CTR	COUNTER,DEC,2X5 DIV,PROG,LATCH	DIL14P	+5V	70C	-	-	C007	SIG	-
N74S176F	STL	CTR	COUNTER,DEC,2X5 DIV,PROG,LATCH	DIL14C	+5V	70C	-	-	C007	SIG	-
N74S177A	STL	CTR	COUNTER,HEX,2X8 DIV,PROG,LATCH	DIL14P	+5V	70C	-	-	C007	SIG	-
N74S177F	STL	CTR	COUNTER,HEX,2X8 DIV,PROG,LATCH	DIL14C	+5V	70C	-	-	C007	SIG	-
N74S266B	STL	XNR	EXCLUSIVE NOR,2 IP,OC OP, QUAD	DIL14P	+5V	70C	-	-	X003	SIG	-
N74S266F	STL	XNR	EXCLUSIVE NOR,2 IP,OC OP, QUAD	DIL14C	+5V	70C	-	-	X003	SIG	-
N74S350F	STL	ARI	ARITHMETIC UNIT,SHFTER,4 BT,3S	DIL16C	+5V	70C	85MA	20MXNS	Z042	SIG	-
N74S350N	STL	ARI	ARITHMETIC UNIT,SHFTER,4 BT,3S	DIL16P	+5V	70C	85MA	20MXNS	Z042	SIG	-
N82HS00 SER	STL	-	75C COMM VRSN OF 82HS00 SER	-	+5V	75C	-	-	-	SIG	82HS00 SERIES
N82LS00 SER	LST	-	75C COMM VRSN OF 82LS00 SER	-	+5V	75C	-	-		SIG	82LS00 SERIES

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
N82S00 SERIES	STL	-	75C COMM. VRSN OF 82S00 SER	-	+5V	75C	-	-	-	SIG	82S00 SERIES
N1000 SERIES	ECL	-	SIGNETICS VERSN OF 1000 SERIES	-	-5.2V	85C	-	-	-	SIG	1000 SERIES
N1000A SERIES	ECL	-	SIGNETICS VRSN OF MC1000P SER.	DIL14P	-5.2V	85C	-	-	-	SIG	MC1000P SER
N1000B SERIES	ECL	-	SIGNETICS VRSN OF MC1000P SER.	DIL16P	-5.2V	85C	-	-	-	SIG	MC1000P SER
N4000 SERIES	CMS	VAR	SIGNETICS 85C VRSN CD4000A SER	-	+10V	85C	-	-	-	SIG	CD4000A SER
N7400A SERIES	TTL	-	HOUSE CODES FOR SN7400N SERIES	DIL14P	-	70C	-	-	-	SIG	SN7400N SER
N7400B SERIES	TTL	-	HOUSE CODES FOR SN7400N SERIES	DIL16P	-	70C	-	-	-	SIG	SN7400N SER
N7400F SERIES	TTL	-	HOUSE CODES FOR SN7400J SERIES	DIL--C	-	70C	-	-	-	SIG	SN7400J SER
N7400N SERIES	TTL	-	HOUSE CODES FOR SN7400N SERIES	DIL24P	-	70C	-	-	-	SIG	SN7400N SER
N7400W SER	TTL	-	HOUSE CODES FOR SN7400W SER.	FLP---	-	70C	-	-	-	SIG	SN7400W SER
N7443F	TTL	DCD	DECODER, EXC.3-DECIMAL,4-10 LN	DIL16C	+5V	70C	56MA	30MXNS	D001	SIG	SN7443AJ
N7443N	TTL	DCD	DECODER, EXC.3-DECIMAL,4-10 LN	DIL16P	+5V	70C	56MA	30MXNS	D001	SIG	SN7443N
N7444B	TTL	DCD	DECODER,EXC.3 GRAY-DEC,4-10 LN	DIL16P	+5V	70C	56MA	30MXNS	D001	SIG	SN7444AN
N7444F	TTL	DCD	DECODER,EXC.3 GRAY-DEC,4-10 LN	DIL16C	+5V	70C	56MA	30MXNS	D001	SIG	SN7444AJ
N74151B	TTL	MUX	MUX/DATA SELECTOR, 8-TO-1 LINE	DIL16P	+5V	70C	48MA	52MXNS	M002	SIG	DM74151AN
N74151F	TTL	MUX	MUX/DATA SELECTOR, 8-TO-1 LINE	DIL16C	+5V	70C	48MA	52MXNS	M002	SIG	DM74151AJ
N74158B	TTL	MUX	MUX/DATA SELECTOR,INV OP 74157	DIL16P	+5V	70C	48MA	27MXNS	M006	SIG	-
N74158F	TTL	MUX	MUX/DATA SELECTOR,INV OP 74157	DIL16P	+5V	70C	48MA	27MXNS	M006	SIG	-
N74280A	TTL	PAR	PARITY GENERATOR/CHECKER,9 BIT	DIL14P	+5V	70C	-	-	Z012	SIG	-
N74280F	TTL	PAR	PARITY GENERATOR/CHECKER,9 BIT	DIL14C	+5V	70C	-	-	Z012	SIG	-
N8200 SERIES	TTL	VAR 1ST	SIGNETICS 75C VRSN 8200 SER SUFFIX: F=FLP, N=DIP	-	+5V	75C	-	-	-	SIG	8200 SERIES
N8400 SERIES	TTL	-	HOUSE CODES FOR SN8400 SERIES	-	-	85C	-	-	-	SIG	SN8400 SERIES
N10100B SER	ECL	-	SIGNETICS VERSN MC10100P SER	DIL--P	-5.2V	85C	-	-	-	SIG	MC10100P
N10100F SER	ECL	-	SIGNETICS VERSN MC10100L SER	DIL--C	-5.2V	85C	-	-	-	SIG	MC10100L
N82000 SERIES	TTL	VAR 1ST	SIGNETICS 75C VRSN 82000 SER SUFFIX: F,I=DIC, W,Q=FLP	-	+5V	75C	-	-	-	SIG	82000 SERIES
NC54H00J SER	HTL	-	HOUSE CODES FOR SN54H00J SER	DIL--C	-	125	-	-	-	NUC	SN54H004 SER
NC54L00N SER	LTL	-	HOUSE CODES FOR ZN54L00E SER	DIL--P	-	125	-	-	-	NUC	ZN54L00E SER
NC74H00J SER	HTL	-	HOUSE CODES FOR SN74H00J SER	DIL--C	-	70C	-	-	-	NUC	SN7400J SER
NC74H00N SER	HTL	-	HOUSE CODES FOR SN74H00N SER	DIL--P	-	70C	-	-	-	NUC	SN74H00N SER
NC74L00N SER	LTL	-	HOUSE CODES FOR ZN74L00E SER.	DIL--P	-	70C	-	-	-	NUC	ZN74L00E SER
NC74LS00N SER	LST	-	HOUSE CODES FOR SN74LS00N SER.	DIL--P	-	70C	-	-	-	NUC	SN74LS00N SER
NC5400J SER	TTL	-	HOUSE CODES FOR SN5400J SERIES	DIL--C	-	125	-	-	-	NUC	SN5400J SER
NC7400J SER	TTL	-	HOUSE CODES FOR SN7400J SERIES	DIL--C	-	70C	-	-	-	NUC	SN7400J SER
NC7400N SER	TTL	-	HOUSE CODES FOR SN7400N SERIES	DIL--P	-	70C	-	-	-	NUC	SN7400N SER
PA7001/518	TTL	-	HOUSE CODE FOR SN7430N	DIL--P	-	70C	-	-	-	PHC	SN7430N
PA7001/519	TTL	-	HOUSE CODE FOR SN7420N	DIL--P	-	70C	-	-	-	PHC	SN7420N
PA7001/520	TTL	-	HOUSE CODE FOR SN7410N	DIL--P	-	70C	-	-	-	PHC	SN7410N
PA7001/521	TTL	-	HOUSE CODE FOR SN7400N	DIL--P	-	70C	-	-	-		7400
PA7001/522	TTL	-	HOUSE CODE FOR SN7440N	DIL--P	-	70C	-	-	-	PHC	SN7440N
PA7001/523	TTL	-	HOUSE CODE FOR SN7451N	DIL--P	-	70C	-	-	-	PHC	SN7451N
PA7001/525	TTL	-	HOUSE CODE FOR SN7402N	DIL--P	-	70C	-	-	-	PHC	SN7402N
PA7001/526	TTL	-	HOUSE CODE FOR SN7401N	DIL--P	-	70C	-	-	-	PHC	SN7401N
PA7001/527	TTL	-	HOUSE CODE FOR SN7404N	DIL--P	-	70C	-	-	-	PHC	SN7404N
PA7001/528	TTL	-	HOUSE CODE FOR SN7405N	DIL--P	-	70C	-	-	-	PHC	SN7405N
PA7001/529	TTL	-	HOUSE CODE FOR SN7474N	DIL--P	-	70C	-	-	-	PHC	SN7474N
PA7001/531	TTL	-	HOUSE CODE FOR SN7473N	DIL--P	-	70C	-	-	-	PHC	SN7473N
PA7001/539	TTL	-	HOUSE CODE FOR SN7454N	DIL--P	-	70C	-	-	-	PHC	SN7454N
PD5400 SERIES	TTL	-	HOUSE CODES FOR SN5400J SERIES	DIL--C	-	125	-	-	-	PHC	SN5400J SER
PD7400 SERIES	TTL	-	HOUSE CODES FOR SN7400J SERIES	DIL--C	-	70C	-	-	-	PHC	SN7400J SER
PD9090 SERIES	DTL	-	PHILCO OBS VERSION OF 9090 SER	-	+5V	-	-	-	-	PHC	9090 SERIES
PD9100 SERIES	DTL	-	PHILCO OBS VERSION OF 9100 SER	-	+5V	-	-	-	-	PHC	9100 SERIES
PD9830 SERIES	DTL	-	PHILCO OBS VRSN OF 830 SERIES	-	+5V	-	-	-	-	PHC	830 SERIES
PD9930 SERIES	DTL	-	PHILCO OBS VRSN OF 930 SERIES	-	+5V	-	-	-	-	PHC	9930 SERIES
PE9090 SERIES	DTL	-	PHILCO OBS VRSN OF 9090 SERIES	-	+5V	-	-	-	-	PHC	9090 SERIES
PE9930 SERIES	DTL	-	PHILCO OBS VRSN OF 930 SERIES	-	+5V	-	-	-	-	PHC	930 SERIES
PL930 SERIES	DTL	-	PHILCO OBS VERSION 930 SERIES	-	+5V	-	-	-	-	PHC	930 SERIES
PL9090 SERIES	DTL	-	PHILCO OBS VERSION 9090 SERIES	-	+5V	-	-	-	-	PHC	9090 SERIES
PL9930 SERIES	DTL	-	PHILCO OBS VERSION 930 SERIES	-	+5V	-	-	-	-	PHC	930 SERIES
RAY54H00DM	HTL	-	HOUSE CODES FOR SN54H00J SER.	DIL--C	-	125	-	-	-	RAY	SN54H00J SER
RAY54H00FM	HTL	-	HOUSE CODES FOR SN54H00W SER.	FLP---	-	125	-	-	-	RAY	SN54H00W SER
RAY54LS00DM S	LST	-	HOUSE CODES FOR SN54H00J SER.	DIL--C	+5V	125	-	-	-	RAY	SN54H00J SER.
RAY54LS00FM S	LST	-	HOUSE CODES FOR SN54LS00W SER.	FLP---	-	125	-	-	-	RAY	SN54LS00W SER
RAY54R00DM SR	HTL	-	HOUSE CODES FOR SN54H00J SER.	-	-	125	-	-	-	RAY	SN54H00J SER
RAY54R00FM SR	HTL	-	HOUSE CODES FOR SN5400W SERIES	FLP---	-	125	-	-	-	RAY	SN5400W SER
RAY54S00DM SR	STL	-	HOUSE CODES FOR SN54S00J SER	DIL--C	-	125	-	-	-	RAY	SN54S00J SER
RAY54S00FM SR	STL	-	HOUSE CODES FOR SN54S00W SER.	FLP---	-	125	-	-	-	RAY	SN54S00W SER
RAY74H00DC SR	HTL	-	HOUSE CODES FOR SN74H00J SER	DIL--C	-	70C	-	-	-	RAY	SN74H00J SER
RAY74H00PC SR	HTL	-	HOUSE CODES FOR SN74H00N SER	DIL--P	-	70C	-	-	-	RAY	SN74H00N SER
RAY74LS00DC S	LST	-	HOUSE CODES FOR SN74LS00J SER.	DIL--C	-	70C	-	-	-	RAY	SN74LS00J SER
RAY74LS00PC S	LST	-	HOUSE CODES FOR SN74LS00N SER.	DIL--P	-	70C	-	-	-	RAY	SN74LS00N SER
RAY74R00DC SR	HTL	-	HOUSE CODES FOR SN74H00J SER	DIL--C	-	70C	-	-	-	RAY	SN74H00J SER.
RAY74R00PC SR	HTL	-	HOUSE CODES FOR SN74H00N SER.	DIL--P	-	70C	-	-	-	RAY	SN74H00N SER.
RAY74S00DC SR	STL	-	HOUSE CODES FOR SN74S00J SER.	DIL--C	-	70C	-	-	-	RAY	SN74S00J SER.

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
RAY74S00PC SR	STL	-	HOUSE CODES FOR SN74S00N SER.	DIL--P	-	70C	-	-	-	RAY	SN74S00N SER.
RAY5400DM SER	TTL	-	HOUSE CODES FOR SN5400J SERIES	DIL--C	-	125	-	-	-	RAY	SN5400J SER.
RAY5400FM SER	TTL	-	HOUSE CODES FOR SN5400W SERIES	FLP---	-	125	-	-	-	RAY	SN5400W SER.
RAY7400DC SER	TTL	-	HOUSE CODES FOR SN7400J	DIL--C	-	70C	-	-	-	RAY	SN7400J SER.
RAY7400PC SER	TTL	-	HOUSE CODES FOR SN7400N SERIES	DIL--P	-	70C	-	-	-	RAY	SN7400N SER.
RB5400F SER.	TTL	-	STOCK VERSIONS OF S5400F SER.	-	-	-	-	-	-	SIG	SN5400J SER.
RC8T00 SERIES	TTL	VAR	RAYTHEON VERSION OF N8T00 SER.	-	+5V	75C	-	-	-	RAY	8T00 SERIES
RC300 SERIES	HNL	-	RAYTHEON OBS VERSION 300 SER.	-	-	-	-	-	-	RAY	300 SERIES
RC930 SERIES	DTL	-	RAYTHEON OBS VERSN 930 SERIES	-	+5V	75C	-	-	-	RAY	930 SERIES
RC8200 SERIES	TTL	VAR	RAYTHEON VRSN OF N8200 SERIES	-	+5V	75C	-	-	-	RAY	N8200 SERIES
RDD930 SERIES	DTL		HARRIS OBS VERSION 930 SERIES	-	+5V	-	-	-	-	HAR	930 SERIES
RDT54H00 SER.	HTL	-	HOUSE CODES FOR SN54H00 SERIES	-	-	125	-	-	-	HAR	SN54H00 SER.
REN5400 SER.	TTL	-	SERVICE SUBS FOR DM5400N SER.	DIL--P	-	70C	-	-	-	RAY	DM5400N SER
REN7400 SER.	TTL	-	SERVICE SUBS FOR SN7400N SER	DIL--P	-	70C	-	-	-	RAY	SN7400N SER
RF00D SERIES	TTL	-	HOUSE CODE FOR SF00-2 SUHL SER	DIL14C	-	-	-	-	-	RAY	SF00-2 SERIES
RF00K SERIES	TTL	-	HOUSE CODE FOR SF00-1 SUHL SER	FLP14	-	-	-	-	-	GEC	SF00-1 SERIES
RF00P SERIES	TTL	-	PLASTIC VERSN OF SF00-2 SUHL S	DIL14P	-	-	-	-	-	RAY	SF00-2 SERIES
RF000D SERIES	TTL	-	HOUSE CODE FOR SF000-2 SUHL SR	DIL14C	-	-	-	-	-	RAY	SF000-2 SER
RF000K SERIES	TTL	-	HOUSE CODE FOR SF000-1 SUHL SR	FLP14	-	-	-	-	-	RAY	SF000-1 SER.
RF000P SERIES	TTL		PLASTIC VRSN OF SF000-2 SUHL S	DIL14P	-	-	-	-	-	RAY	SF00-2 SERIES
RG00D SERIES	TTL	-	HOUSE CODE FOR SG 00-2 SUHL SR	DIL14C	-	-	-	-	-	RAY	SG00-2 SERIES
RG00K SERIES	TTL	-	HOUSE CODE FOR SG00-1 SUHL SER	FLP14	-	-	-	-	-	RAY	SG00-1 SERIES
RG00P SERIES	TTL	-	PLASTIC VRSN OF SG00-2 SUHL SR	DIL14P	-	-	-	-	-	RAY	SG00-2 SERIES
RG000D SERIES	TTL	-	HOUSE CODE FOR SG000-2 SUHL SR	DIL14C	-	-	-	-	-	RAY	SG000-2 SER.
RG000K SERIES	TTL	-	HOUSE CODE FOR SG000-1 SUHL SR	FLP14	-	-	-	-	-	RAY	SG000-1 SER.
RG000P SERIES	TTL	-	PLASTIC VRSN OF SG000-2 SUHL S	DIL14P	-	-	-	-	-	RAY	SG000-2 SER.
RL00D SERIES	TTL	-	HOUSE CODE FOR SM00-2 SUHL SER	-	-	-	-	-	-	RAY	SM00-2 SERIES
RL00K SERIES	TTL	-	HOUSE CODE FOR SM00-1 SUHL SER	FLP14	-	-	-	-	-	RAY	SM00-1 SERIES
RL00P SERIES	TTL	-	PLASTIC VRSN OF SM00-2 SUHL SR	DIL14P	-	-	-	-	-	RAY	SM00-2 SERIES
RL000D SERIES	TTL	-	HOUSE CODE FOR SM000-2 SUHL SR	-	-	-	-	-	-	RAY	SM000-2 SER
RL000K SERIES	TTL	-	HOUSE CODE FOR SM000-1 SUHL SR	FLP14	-	-	-	-	-	RAY	SM000-1 SER.
RL000P SERIES	TTL	-	PLASTIC VRSN OF SM000-2 SUHL S	DIL14P	-	-	-	-	-	RAY	SM000-2 SER
RM8T00 SERIES	TTL	VAR	RAYTHEON VERSION OF S8T00 SER.	-	+5V	125	-	-	-	RAY	8T00 SERIES
RM930 SERIES	DTL	-	HARRIS OBS VERSION 930 SERIES	-	+5V	125	-	-	-	RAY	930 SERIES
RM1900 SERIES	DTL	-	RAYTHEON OBS VERSN 1900 SERIES		-	125	-	-	-	RAY	1800 SERIES
RM8200 SERIES	TTL	VAR	RAYTHEON VRSN OF S8200 SERIES	-	+5V	125	-	-	-	RAY	S8200 SERIES
RSN54H00 SER.	HTL	-	RADIATION HARDENED SN54H00 SER	-	-	125	-	-	-	TII	-
RSN54LS00 SER	LST	-	RADIATION HARDENED SN54LS00 SR	-	-	125	-	-	-	TII	-
RSN5400 SER.	TTL	-	RADIATION HARDENED SN5400 SER.	-	-	125	-	-	-	TII	-
S00 SERIES	STL	-	ADVERT. JARGON FOR 74S00 SER.	DIL--P	+5V	70C	-	-	-	VAR	74S00 SERIES
S8H00 SERIES	TTL	VAR	125C MIL. VRSN OF 8H00 SERIES	-	+5V	125	-	-	-	SIG	8H00 SERIES
S8T00 SERIES	TTL	VAR	125C COMM. VRSN OF 8T00 SERIES	-	+5V	125	-	-	-	SIG	RM8T00 SERIES
S54H00A SER.	HTL	-	HOUSE CODES FOR DM54H00N SER.	DIL--P	-	125	-	-	-	SIG	DM54H00N
S54H00F SER.	HTL	-	HOUSE CODES FOR SN54H00J SER.	DIL--C	-	125	-	-	-	SIG	SN54H00J SER
S54H00W SER.	HTL	-	HOUSE CODES FOR SN54H00W SER.	FLP---	-	125	-	-	-	SIG	SN54H00W SER
S54H75F	HTL	LCH	LATCH,FF/D,2BT,TRANSP,2OP,DUAL	DIL16C	+5V	125	-	-	L001	SIG	-
S54H75W	HTL	LCH	LATCH,FF/D,2BT,TRANSP,2OP,DUAL	FLP16	+5V	125	-	-	L001	SIG	-
S54L00 SERIES	LTL	-	HOUSE CODES FOR SN54L00 SERIES	-	-	125	-	-	-	SIG	SN54L00 SER
S54LS00A SER	LST	-	HOUSE CODES FOR DM54LS00N SER.	DIL--P	-	125	-	-	-	SIG	DM54LS00N
S54LS00F SER.	LST	-	HOUSE CODES FOR SN54LS00J SER.	DIL--C	-	125	-	-	-	SIG	SN54LS00J SER
S54LS00I SER.	LST	-	HOUSE CODES FOR SN54LS00J SER.	DIL--C	-	125	-	-	-	SIG	SN54LS00J SER
S54LS00W SER	LST	-	HOUSE CODES FOR SN54LS00W SER.	FLP---	-	125	-	-	-	SIG	SN54LS00W SER
S54LS95F	LST	SRG	SHIFT REG,4BIT,L/R SHIFT, PIPO	DIL14C	+5V	125	25MA	25MXMHZ	R004	SIG	SN54LS95BJ
S54LS95W	LST	SRG	SHIFT REG,4BIT,L/R SHIFT, PIPO	FLP14	+5V	125	25MA	25MXMHZ	R004	SIG	SN54LS95BW
S54LS194F	LST	SRG	SHIFT REGISTER,4 BIT,L/R, PIPO	DIL16C	+5V	125	-	-	R013	SIG	54LS194DM
S54LS194W	LST	SRG	SHIF REGISTER, 4 BIT,L/R, PIPO	FLP16	+5V	125	-	-	R013	SIG	54LS194FM
S54LS195F	LST	SRG	SHIFT REGISTER,4 BIT, PIPO	DIL16C	+5V	125	21MA	30MXMHZ	R014	SIG	SN54LS195AJ
S54LS195W	LST	SRG	SHIFT REGISTER,4 BIT, PIPO	FLP16	+5V	125	21MA	30MXMHZ	R014	SIG	54LS195AFM
S54S00A SER.	STL	-	HOUSE CODES FOR DM54S00N SER.	DIL--P	-	125	-	-	-	SIG	SN54S00N SER
S54S00F SER.	STL	-	HOUSE CODES FOR SN54S00J SER.	DIL--C	-	125	-	-	-	SIG	SN54S00J SER
S54S00W SER.	STL	-	HOUSE CODES FOR SN54S00W SER.	FLP---	-	125	-	-	-	SIG	SN54S00W SER
S54S21F	STL	AND	AND, 4IP, DUAL	DIL14C	+5V	125	-	-	A005	SIG	-
S54S21W	STL	AND	AND, 4IP, DUAL	FLP14	+5V	125	-	-	A005	SIG	-
S54S89F	STL	MEM	RAM, 64=16X4 BIT, OC OP	DIL16C	+5V	125	120MA	80MXNS	S001	SIG	-
S54S89W	STL	MEM	RAM, 64=16X4 BIT, OC OP	FLP16	+5V	125	120MA	80MXNS	S001	SIG	-
S54S172F	STL	MEM	RAM, SIM READ/WRITE,8X2 BIT,3S	DIL24C	+5V	125	170MA	20MXMHZ	R037	SIG	-
S54S172W	STL	MEM	RAM, SIM READ/WRITE,8X2 BIT,3S	FLP24	+5V	125	170MA	20MXMHZ	R037	SIG	-
S54S176F	STL	CTR	COUNTER,DEC,2X5 DIV,PROG,LATCH	DIL14C	+5V	125	-	-	C007	SIG	-
S54S176W	STL	CTR	COUNTER,DEC,2X5 DIV,PROG,LATCH	FLP14	+5V	125	-	-	C007	SIG	-
S54S177F	STL	CTR	COUNTER,HEX,2X8 DIV,PROG,LATCH	DIL14C	+5V	125	-	-	C007	SIG	-
S54S177W	STL	CTR	COUNTER,HEX,2X8 DIV,PROG,LATCH	FLP14	+5V	125	-	-	C007	SIG	-
S54S178F	STL	SRG	SHIFT REG, L/R,4 BIT,1 OP,PIPO	DIL14C	+5V	125	-	-	R011	SIG	-
S54S178W	STL	SRG	SHIFT REG, L/R,4 BIT,1 OP,PIPO	FLP14	+5V	125	-	-	R011	SIG	-
S54S179F	STL	SRG	SHIFT REG,L/R,4 BT,CMP OP,PIPO	DIL16C	+5V	125	-	-	R012	SIG	-
S54S179W	STL	SRG	SHIFT REG,L/R,4 BT,CMP OP,PIPO	FLP16	+5V	125	-	-	R012	SIG	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
S54S266F	STL	XNR	EXCLUSIVE NOR,2 IP,OC OP. QUAD	DIL14C	+5V	125	-	-	X003	SIG	-
S54S266W	STL	XNR	EXCLUSIVE NOR,2 IP,OC OP, QUAD	FLP14	+5V	125	-	-	X003	SIG	-
S54S350F	STL	ARI	ARITHMETIC UNIT,SHFTER,4 BT,3S	DIL16C	+5V	125	85MA	20MXNS	Z042	SIG	-
S54S350W	STL	ARI	ARITHMETIC UNIT,SHFTER,4 BT,3S	FLP16	+5V	125	85MA	20MXNS	Z042	SIG	-
S82HS00 SER	STL	VAR	125C MIL VRSN OF 82HS00 SER	-	+5V	125	-	-	-	SIG	82HS00 SERIES
S82LS00 SER	LST	-	125C MIL VRSN OF 82LS00 SER	-	+5V	125	-	-	-	SIG	82LS00 SERIES
S82S00 SERIES	STL	-	125C MIL VRSN OF 82S00 SERIES	-	+5V	125	-	-	-	SIG	82S00 SERIES
S4000 SERIES	CMS	VAR	SIGNETICS 125C VRSN CD4000A SR	-	+10V	125	-	-	-	SIG	CD4000A SER.
S5400A SERIES	TTL	-	HOUSE CODES FOR DM5400N SERIES	DIL--P	-	125	-	-	-	SIG	DM5400N SER
S5400B SERIES	TTL	-	HOUSE CODES FOR DM5400N SERIES	DIL--P	-	125	-	-	-	SIG	DM5400N SER
S5400F SERIES	TTL	-	HOUSE CODES FOR SN5400J SERIES	DIL--C	-	125	-	-	-	SIG	SN5400J SER.
S5400I SERIES	TTL	-	HOUSE CODES FOR SN5400J SERIES	DIL--C		125	-	-	-	SIG	SN5400J SER
S5400W SERIES	TTL	-	HOUSE CODES FOR SN5400W SERIES	FLP---		125	-	-	-	SIG	SN5400W SER
S5443F	TTL	DCD	DECODER, EXC.3-DECIMAL,4-10 LN	DIL16C	+5V	125	41MA	30MXNS	D001	SIG	5443ADM
S5443W	TTL	DCD	DECODER, EXC.3-DECIMAL,4-10 LN	FLP16	+5V	125	41MA	30MXNS	D001	SIG	5443AFM
S5444F	TTL	DCD	DECODER,EXC.3 GRAY-DEC,4-10 LN	DIL16C	+5V	125	41MA	30MXNS	D001	SIG	5444ADM
S5444W	TTL	DCD	DECODER,EXC.3 GRAY-DEC,4-10 LN	FLP16	+5V	125	41MA	30MXNS	D001	SIG	5444AFM
S5446F	TTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 30V	DIL16C	+5V	125	43MA	200MXNS	D011	SIG	SN5446AJ
S5447F	TTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 15V	DIL16C	+5V	125	43MA	200MXNS	D011	SIG	SN7447J
S8200 SERIES	TTL	-	SIGNETICS 125C VRSN 8200 SER	-	+5V	125	-	-	-	SIG	8200 SERIES
		1ST	SUFFIX. F,I=DIC, W,Q=FLP								
S8400 SERIES	TTL	-	HOUSE CODES FOR SN8400 SERIES	-	-	85C	-	-	-	SIG	SN8400 SERIES
S54151F	TTL	MUX	MUX/DATA SELECTOR 8-TO-1 LINE	DIL16C	+5V	125	48MA	52MXNS	M002	SIG	SN54151AJ
S54151W	TTL	MUX	MUX/DATA SELECTOR, 8-TO-1 LINE	FLP16	+5V	125	48MA	52MXNS	M002	SIG	SN54151AW
S54158F	TTL	MUX	MUX/DATA SELECTOR,INV OP 54157	DIL16C	+5V	125	48MA	27MXNS	M006	SIG	-
S54158W	TTL	MUX	MUX/DATA SELECTOR,INV OP 54157	FLP16	+5V	125	48MA	27MXNS	M006	SIG	-
S82000 SERIES	TTL	-	SIGNETICS 125C VRSN 8200 SER.	-	+5V	125	-	-	-	SIG	82000 SERIES
		1ST	SUFFIX: F,I=DIC, W,Q=FLP								
SCL4000A SER	CMS	VAR	SOLID STATE VRSN CD4000A SER.	-	+10V	VAR	-	-	-	SSS	CD4000A SER.
SCL4000B SER	CMS	VAR	SOLID STATE VRSN CD4000B SER.	-	+15V	VAR	-	-	-	SSS	CD4000B SER.
SCL4000UB SER	CMS	VAR	SOLID STATE VRSN CD4000UB SER.	-	+15V	VAR	-	-	-	SSS	CD4000UB SER.
SCL4100B SER	CMS	VAR	SOLID STATE VRSN CD40100B SER.	-	+15V	VAR	-	-	-	SSS	CD40100B
SCL4500B SER	CMS	VAR	SOLID STATE VRSN CD4500B SER	-	+15V	VAR	-	-	-	SSS	CD4500B SER.
SCL5400C SER	CMS	-	HOUSE CODES FOR MM54C00J SER	DIL--C	-	70C	-	-	-	SSS	MM54C00J SER.
SCL5400D SER	CMS	-	HOUSE CODES FOR MM54C00J SER	DIL--C	-	70C	-	-	-	SSS	MM54C00J SER.
SCL5400F SER	CMS	-	HOUSE CODES FOR MM54C00W SER	FLP---	-	125	-	-	-	SSS	MM54C00W SER.
SCL7400C SER	CMS	-	HOUSE CODES FOR MM74C00J SER	DIL--C	-	70C	-	-	-	SSS	MM74C00J SER.
SCL7400D SER	CMS	-	HOUSE CODES FOR MM74C00J SER.	DIL--C	-	70C	-	-	-	SSS	MM74C00J SER.
SCL7400E SER	CMS	-	HOUSE CODES FOR MM74C00N SER.	DIL--P	-	70C	-	-	-	SSS	MM74C00N SER.
SCL14500B SER	CMS	VAR	SOLID STATE VRSN MC14500B SER.	-	+15V	VAR	-	-	-	SSS	MC14500B SER.
SD300 SERIES	HNL	-	SOLID STATE SCIENT. OBS 300 SR	-	-	-	-	-	-	SSS	300 SERIES
SF00 SERIES	TTL	-	INDIVIDUAL ICS SEPTLY IN TABLE	-	-	-	-	-	-	SYL	-
SF000 SERIES	TTL	-	INDIVIDUAL ICS SEPTLY IN TABLE	-	-	-	-	-	-	SYL	-
SF10-13/1	TTL	FFR	FF/RS, 3-AND IPS	FLP14	+5V	-	30MW	20MXMHZ	OBS.	SYL	-
SF10-13/2	TTL	FFR	FF/RS	DIL14C	+5V	-	30MW	20MXMHZ	OBS.	SYL	-
SF20-23/1	TTL	FFR	FF/RST	FLP14	+5V	-	30MW	20MXMHZ	OBS.	SYL	-
SF20-23/2	TTL	FFR	FF/RST	DIL14C	+5V	-	30MW	-	OBS.	SYL	-
SF30-33/1	TTL	FFR	FF/RST, AC-CLOCKED	FLP14	+5V	-	30MW	-	OBS.	SYL	-
SF30-33/2	TTL	FFR	FF/RST, AC-CLOCKED	DIL14C	+5V	-	30MW	-	OBS	SYL	-
SF50-53/1	TTL	FFJ	FF/AND-JK	FLP14	+5V	-	50MW	20MXMHZ	-	SYL	-
SF50-53/2	TTL	FFJ	FF/AND-JK	DIL14C	+5V	-	50MW	20MXMHZ	-	SYL	-
SF60-63/1	TTL	FFJ	FF/OR-JK	FLP14	+5V	-	60MW	20MXMHZ	-	SYL	-
SF60-63/2	TTL	FFJ	FF/OR-JK	DIL14C	+5V	-	60MW	20MXMHZ	-	SYL	-
SF80-83/1	TTL	FFD	FF/D, DUAL	FLP14	+5V	-	240MW	20MXMHZ	-	SYL	-
SF80-83/2	TTL	FFD	FF/D, DUAL	DIL14C	+5V	-	240MW	20MXMHZ	-	SYL	-
SF90-93/1	TTL	FFD	FF/D, DUAL	FLP14	+5V	-	375MW	20MXMHZ	-	SYL	-
SF90-93/2	TTL	FFD	FF/D, DUAL	DIL14C	+5V	-	375MW	20MXMHZ	-	SYL	
SF100-103/1	TTL	FFJ	FF/JK, DUAL	FLP14	+5V	-	50MW	35MXMHZ	-	SYL	-
SF100-103/2	TTL	FFJ	FF/JK, DUAL	DIL14C	+5V	-	50MW	35MXMHZ	-	SYL	-
SF110-113/1	TTL	FFJ	FF/JK, DUAL	FLP14	+5V	-	60MW	35MXMHZ	-	SYL	-
SF110-113/2	TTL	FFJ	FF/JK, DUAL	DIL14C	+5V	-	60MW	35MXMHZ	-	SYL	-
SF120-123/1	TTL	FFJ	FF/JK, DUAL	FLP14	+5V	-	50MW	50MXMHZ	-	SYL	-
SF120-123/2	TTL	FFJ	FF/JK, DUAL	DIL14C	+5V	-	50MW	50MXMHZ		SYL	
SF130-133/1	TTL	FFJ	FF/JK, DUAL	FLP14	+5V	-	50MW	50MXMHZ	-	SYL	-
SF130-133/2	TTL	FFJ	FF/JK, DUAL	DIL14C	+5V	-	50MW	50MXMHZ	-	SYL	-
SF200-203/1	TTL	FFJ	FF/AND-JK	FLP14	+5V	-	50MW	50MXMHZ	-	SYL	-
SF200-203/2	TTL	FFJ	FF/AND-JK	DIL14C	+5V	-	50MW	50MXMHZ	-	SYL	-
SF210-213/1	TTL	FFJ	FF/OR-JK	FLP14	+5V	-	50MW	20MXMHZ	-	SYL	-
SF210-213/2	TTL	FFJ	FF/OR-JK	DIL14C	+5V	-	50MW	20MXMHZ	-	SYL	-
SF250-253/1	TTL	FFJ	FF/AND-JK	FLP14	+5V	-	40MW	30MXMHZ	-	SYL	-
SF250-253/2	TTL	FFJ	FF/AND-JK	DIL14C	+5V	-	40MW	30MXMHZ	-	SYL	-
SF260-263/1	TTL	FFJ	FF/OR-JK	FLP14	+5V	-	60MW	30MXMHZ	-	SYL	-
SF260-263/2	TTL	FFJ	FF/OR-JK	DIL14C	+5V	-	60MW	30MXMHZ	-	SYL	-
SFC54H00JM SR	HTL	-	HOUSE CODES FOR SN54H00J SER.	DIL--C	-	125	-	-	-	THC	SN54H00J SER.
SFC54LS00JM S	LST	-	HOUSE CODES FOR SN54LS00JM SER	DIL--C	-	125	-	-	-	THC	SN54LS00J SER

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
SFC74H00E SER	HTL	-	HOUSE CODES FOR SN74H00N SER.	DIL--P	-	70C	-	-	-	THC	SN74H00N SER.
SFC74LS00E SR	LST	-	HOUSE CODES FOR SN74LS00N SER.	DIL--P	-	70C	-	-	-	THC	SN74LS00N SER
SFC400E SER.	TTL	-	HOUSE CODES FOR SN7400N SERIES	DIL--P	-	70C	-	-	-	THC	SN5400N SER.
SFC400EM SER	TTL	-	HOUSE CODES FOR DM5400N SERIES	DIL--N	-	125	-	-	-	THC	DM7400N SER.
SFC400ET SER	TTL	-	HOUSE CODES FOR SN6400N SERIES	-	-	85C	-	-	-	THC	SN6400N SER.
SFC400HE SER.	HTL	-	HOUSE CODES FOR SN74H00N SER.	DIL--P	-	75C	-	-	-	THC	SN74H00N SER.
SFC400HEM SER	HTL	-	HOUSE CODES FOR DM54H00N SER.	DIL--P	-	125	-	-	-	THC	DM54H00N SER.
SFC400HJM SER	HTL	-	HOUSE CODES FOR SN54H00J SER.	DIL--C	-	125	-	-	-	THC	SN54H00J SER.
SFC400HKM SER	HTL	-	HOUSE CODES FOR SN54H00J SER.	DIL--C	-	125	-	-	-	THC	SN54H00J SER.
SFC400HPM SER	HTL	-	HOUSE CODES FOR SN54H00W SER.	FLP---	-	125	-	-	-	THC	SN54H00W SER.
SFC400JM SER.	TTL	-	HOUSE CODES FOR SN5400J SERIES	DIL--C	-	125	-	-	-	THC	SN5400J SER.
SFC400KM SER.	TTL	-	HOUSE CODES FOR SN5400J SERIES	DIL--C	-	125	-	-	-	THC	SN5400J SER.
SFC400LE SER	LTL	-	HOUSE CODES FOR SN74L00N SER.	DIL--P	-	70C	-	-	-	THC	SN74L00N SER.
SFC400LEM SER	LTL	-	HOUSE CODES FOR DM54L00N SER.	DIL--P	-	125	-	-	-	THC	DM54L00N SER.
SFC400LJM SER	LTL	-	HOUSE CODES FOR SN54L00J SER.	DIL--C	-	125	-	-	-	THC	SN54L00J SER
SFC400LKM SER	LTL		HOUSE CODES FOR SN54L00J SER.	DIL--C	-	125	-	-	-	THC	SN54L00J SER.
SFC400LPM SER	LTL	-	HOUSE CODES FOR SN 54L00W SER.	FLP---	-	125	-	-	-	THC	SN54L00W SER.
SFC400LSE SER	LST	-	HOUSE CODES FOR SN74LS00N SER.	DIL--P	-	70C	-	-	-	THC	SN74LS00N SER
SFC400LSEM SR	LST	-	HOUSE CODES FOR DM54LS00N SER.	DIL--P	-	125	-	-	-	THC	DM54LS00N SER
SFC400LSJM SR	LST	-	HOUSE CODES FOR SN54LS00J SER.	DIL--C	-	125	-	-	-	THC	SN54LS00J SER
SFC400PM SER.	TTL	-	HOUSE CODES FOR SN5400W SERIES	FLP---	-	125	-	-	-	THC	SN5400W SER.
SFC400SE SER.	STL	-	HOUSE CODES FOR SN74S00N SER.	DIL--P	-	70C	-	-	-	THC	SN74S00N SER.
SFC400SEM SER	STL	-	HOUSE CODES FOR DM54S00N SER.	DIL--P	-	125	-	-	-	THC	DM54S00N SER.
SFC400SJM SER	STL	-	HOUSE CODES FOR SN54S00J SER.	DIL--C	-	125	-	-	-	THC	SN54S00J SER.
SFC930 SERIES	DTL		THOMSON CSF OBS VRSN 930 SER.	-	+5V	-	-	-	-	THC	930 SERIES
SFC4000E	TTL	-	CONTINUATION OF SFC400E SERIES	DIL--P	-	70C	-	-	-	THC	SN74000N SER.
SFC4000EM	TTL	-	CONTINUATION OF SFC400EM SER.	DIL--P	-	125	-	-	-	THC	DM54000N SER.
SFC4000ET	TTL	-	CONTINUATION OF SFC400ET SER.	DIL--P	-	85C	-	-	-	THC	SN64000N SER.
SFC4000JM SER	TTL	-	CONTINUATION OF SFC400JM SER.	DIL--C	-	125	-	-	-	THC	SN54000J SER.
SFC4000KM SER	TTL	-	CONTINUATION OF SFC400KM SER.	DIL--C	-	125	-	-	-	THC	SN54000J SER.
SFC4000LSE SR	LST	-	CONTINUATION OF SFC400LSE SER.	DIL--P	-	70C	-	-	-	THC	SN74LS000N SR
SFC4000LSEM S	LST	-	CONTINUATION OF SFC400LSEM SER	DIL--C	-	125	-	-	-	THC	DM54LS000N SR
SFC4000LSJM S	LST	-	CONTINUATION OF SFC400LSJM SER	DIL--C	-	125	-	-	-	THC	SN54LS000J SR
SFC4000PM SER	TTL	-	CONTINUATION OF SFC400PM SER	FLP---	-	125	-	-	-	THC	SN54000W SER.
SFC4000SE SER	STL	-	CONTINUATION OF SFC400SE SER.	DIL--P	-	70C	-	-	-	THC	SN74S000N SER
SFC4000SEM SR	STL	-	CONTINUATION OF SFC400SE SER.	DIL--C	-	125	-	-	-	THC	DM54S000N SER
SFC4000SJM SR	STL	-	CONTINUATION OF SFC400SJM SER.	DIL--C	-	125	-	-	-	THC	SN54S000J SER
SFC4000SKM SR	STL	-	CONTINUATION OF SFC400SKM SER.	DIL--C	-	125	-	-	-	THC	SN54S000J SER
SFC5400JM SR.	TTL	-	HOUSE CODES FOR SN5400J SERIES	DIL--C	-	125	-	-	-	THC	DM5400N SER.
SFC7400E SER.	TTL	-	HOUSE CODES FOR SN7400N SERIES	DIL--P	-	70C	-	-	-	THC	SN7400N SER.
SFF24000A SER	CMS	VAR	CSF VRSN OF CD4000A SERIES	-	+10V	VAR	-	-	-	THC	CD4000A SER.
SG00 SERIES	TTL	-	INDIVIDUAL ICS SEPTLY IN TABLE	-	-	-	-	-	-	SYL	-
SG000 SERIES	TTL	-	INDIVIDUAL ICS SEPTLY IN TABLE	-	-	-	-	-	-	SYL	-
SG000 SERIES	TTL	VAR 1ST	SILICON GEN VRSN SN55000 SER. SUFFIX: F=FLP, J=DIC	-	+5V	125	-	-	-	SLG	SN55000 SER.
SG40-43/1	TTL	NAN	NAND,4 IP, DUAL	FLP14	+5V	-	15MW	20MXMHZ	-	SYL	-
SG40-43/2	TTL	NAN	NAND, 4IP, DUAL	DIL14C	+5V	-	15MW	20MXMHZ	-	SYL	-
SG50-53/1	TTL	AOI	AOI, 2X4	FLP14	+5V	-	30MW	20MXMHZ	-	SYL	-
SG50-53/2	TTL	AOI	AOI, 2X4	DIL14C	+5V	-	30MW	20MXMHZ	-	SYL	-
SG60-63/1	TTL	NAN	NAND, 8 IP, SINGLE	FLP14	+5V	-	15MW	20MXMHZ	-	SYL	-
SG60-63/2	TTL	NAN	NAND, 8 IP, SINGLE	DIL14C	+5V	-	15MW	20MXMHZ	-	SYL	-
SG70-73/1	TTL	AOI	AOI, 2X2, DUAL	FLP14	+5V	-	40MW	20MXMHZ	-	SYL	-
SG70-73/2	TTL	AOI	AOI, 2X2, DUAL	DIL14C	+5V	-	40MW	20MXMHZ	-	SYL	-
SG80-83/1	TTL	AND	AND, 3IP, DUAL	FLP14	+5V	-	140MW	20MXMHZ	-	SYL	-
SG80-83/2	TTL	AND	AND, 3IP, DUAL	DIL14C	+5V	-	140MW	20MXMHZ	-	SYL	-
SG90-93/1	TTL	XOR	EXCLUSIVE OR	FLP14	+5V	-	35MW	20MXMHZ	-	SYL	-
SG90-93/2	TTL	XOR	EXCLUSIVE OR	DIL14C	+5V	-	35MW	20MXMHZ	-	SYL	-
SG100-103/1	TTL	AOI	AOI, 3X3, EXPANDABLE	FLP14	+5V	-	25MW	20MXMHZ	-	SYL	-
SG100-103/2	TTL	AOI	AOI, 3X3, EXPANDABLE	DIL14C	+5V	-	25MW	20MXMHZ	-	SYL	-
SG110-113/1	TTL	AOI	AOI, 4X2, EXPANDABLE	FLP14	+5V	-	20MW	20MXMHZ	-	SYL	-
SG110-113/2	TTL	AOI	AOI, 4X2, EXPANDABLE	DIL14C	+5V	-	20MW	20MXMHZ	-	SYL	-
SG120-123/1	TTL	NAN	NAND, 8 IP, EXPANDABLE	FLP14	+5V	-	15MW	20MXMHZ	-	SYL	-
SG120-123/2	TTL	NAN	NAND, 8 IP, EXPANDABLE	DIL14C	+5V	-	15MW	20MXMHZ	-	SYL	-
SG130-133/1	TTL	NAN	NAND, 4IP, DUAL	FLP14	+5V	-	30MW	20MXMHZ	-	SYL	-
SG130-133/2	TTL	NAN	NAND, 4IP, DUAL	DIL14C	+5V	-	30MW	20MXMHZ	-	SYL	-
SG140-143/1	TTL	NAN	NAND, 2 IP, QUAD	FLP14	+5V	-	15MW	20MXMHZ	-	SYL	-
SG140-143/2	TTL	NAN	NAND, 2 IP, QUAD	DIL14C	+5V	-	15MW	20MXMHZ	-	SYL	-
SG150-153/1	TTL	AOR	AND/OR, 2/3X4; GATE EXPANDER	FLP14	+5V	-	20MW	20MXMHZ	-	SYL	-
SG150-153/2	TTL	AOR	AND/OR, 2/3X4, GATE EXPANDER	DIL14C	+5V	-	20MW	20MXMHZ	-	SYL	-
SG160-163/1	TTL	NAN	NAND, DRIVER, 2IP, OC OP, QUAD	FLP14	+5V	-	20MW	20MXMHZ	-	SYL	-
SG160-163/2	TTL	NAN	NAND, DRIVER, 2IP, OC OP, QUAD	DIL14C	+5V	-	20MW	20MXMHZ	-	SYL	-
SG170-173/1	TTL	AND	AND, DUAL, 4IP, GATE EXPANDER	FLP14	+5V	-	5MW	20MXMHZ	-	SYL	-
SG170-173/2	TTL	AND	AND, DUAL, 4IP, GATE EXPANDER	DIL14C	+5V	-	5MW	20MXMHZ	-	SYL	-
SG180-183/1	TTL	AND	AND, 4IP, DUAL	FLP14	+5V	-	5MW	20MXMHZ	-	SYL	-
SG180-183/2	TTL	AND	AND, 3IP, TRIPLE	DIL14C	+5V	-	-	20MXMHZ	-	SYL	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
SG190-193/1	TTL	NAN	NAND, 3IP, TRIPLE	FLP14	+5V	-	45MW	20MXMHZ	-	SYL	-
SG190-193/2	TTL	NAN	NAND, 3IP, TRIPLE	DIL14C	+5V	-	45MW	20MXMHZ	-	SYL	-
SG200-203/1	TTL	NAN	NAND, 8IP, EXPANDABLE	FLP14	+5V	-	22MW	-	-	SYL	-
SG200-203/2	TTL	NAN	NAND, 8IP, EXPANDABLE	DIL14C	+5V	-	22MW	-	-	SYL	-
SG210-213/1	TTL	AOI	AOI, 4X2	FLP14	+5V	-	44MW	-	-	SYL	-
SG210-213/2	TTL	AOI	AOI, 4X2	DIL14C	+5V	-	44MW	-	-	SYL	-
SG220-223/1	TTL	NAN	NAND, 2IP, QUAD	FLP14		-	88MW	-	-	SYL	-
SG220-223/2	TTL	NAN	NAND, 2IP, QUAD	DIL14C	+5V	-	88MW-	-	-	SYL	-
SG230-233/1	TTL	AOR	AND/OR, 2/3X4, GATE EXPANDER	FLP14	+5V	-	28MW	40MXMHZ	-	SYL	-
SG230-233/2	TTL	AOR	AND/OR, 2/3X4, GATE EXPANDER	DIL14C	+5V	-	28MW	40MXMHZ	-	SYL	-
SG240-244/1	TTL	NAN	NAND, 4IP, DUAL	FLP14	+5V	-	44MW	-	-	SYL	-
SG240-243/2	TTL	NAN	NAND, 4IP, DUAL	DIL14C	+5V	-	44MW	-	-	SYL	-
SG250-253/1	TTL	AOI	AOI, 2X4	FLP14	+5V	-	156MW	6TPNS	-	SYL	
SG250-253/2	TTL	AOI	AOI, 2X4	DIL14C	+5V	-	156MW	6TPNS	-	SYL	-
SG260-263/1	TTL	NAN	NAND, 8IP	FLP14	+5V	-	22MW	6TPNS	-	SYL	-
SG260-263/2	TTL	NAN	NAND, 8IP	DIL14C	+5V	-	22MW	6TPNS	-	SYL	-
SG270-273/1	TTL	AND	AND, 4IP, GATE EXPANDER, DUAL	FLP14	+5V	-	-	40MXMHZ	-	SYL	-
SG270-273/2	TTL	AND	AND, 4IP, GATE EXPANDER, DUAL	DIL14C	+5V	-	-	40MXMHZ	-	SYL	-
SG280-283/1	TTL	AND	AND, 4IP, DUAL	FLP14-	+5V	-	76MW	10TPNS	-	SYL	-
SG280-283/2	TTL	AND	AND, 4IP, DUAL	DIL14C	+5V	-	76MW	10TPNS	-	SYL	-
SG290-293/1	TTL	AND	AND, 2/3 IP, QUAD	FLP14	+5V	-	152MW	10TPNS	-	SYL	-
SG290-293/2	TTL	AND	AND, 2/3 IP, QUAD	DIL14C	+5V	-	152MW	10TPNS	-	SYL	-
SG300-303/1	TTL	AOI	AOI, 3X3	FLP14	+5V	-	36MW	6TPNS	-	SYL	-
SG300-303/2	TTL	AOI	AOI, 3X3	DIL14C	+5V	-	36MW	6TPNS	-	SYL	-
SG310-313/1	TTL	AOI	AOI, 2X2, DUAL	FLP14	+5V	-	174MW	6TPNS	-	SYL	-
SG310-313/2	TTL	AOI	AOI, 2X2, DUAL	DIL14C	+5V	-	174MW	6TPNS	-	SYL	-
SG320-323/1	TTL	NAN	NAND, 3IP, TRIPLE	FLP14	+5V	-	66MW	6TPNS	-	SYL	-
SG320-323/2	TTL	NAN	NAND, 3IP, TRIPLE	DIL14C	+5V	-	66MW	6TPNS	-	SYL	-
SG330-333/1	TTL	NOR	NOR, 2IP, QUAD	FLP14	+5V	-	80MW	20MXNS	-	SYL	-
SG330-333/2	TTL	NOR	NOR, 2IP, QUAD	DIL14C	+5V	-	80MW	20MXNS	-	SYL	-
SG340-343/1	TTL	NOR	NOR, 2IP, QUAD	FLP14	+5V	-	88MW	10MXNS	-	SYL	-
SG340-343/2	TTL	NOR	NOR, 2IP, QUAD	DIL14C	+5V	-	88MW	10MXNS	-	SYL	-
SG370-373/1	TTL	INV	INVERTER, HEX	FLP14	+5V	-	-	-	-	SYL	-
SG370-373/2	TTL	INV	INVERTER, HEX	DIL14C	+5V	-	-	-	-	SYL	-
SG380-383/1	TTL	INV	INVERTER, HEX	FLP14	+5V	-	-	-	-	SYL	-
SG380-383/2	TTL	INV	INVERTER, HEX	DIL14C	+5V	-	-	-	-	SYL	-
SG55000 SER.	TTL	VAR	SILICON GEN VRSN SN55000 SER	-	+5V	125	-	-	-	SLG	SN55000 SER
		1ST	SUFFIX: F=FLP, D=DIC				-				
SG75000 SER.	TTL	VAR	SILICON GEN VRSN SN75000 SER.	-	+5V	125	-	-	-	SLG	SN75000 SER
		1ST	SUFFIX: F=FLP, J=DIC, N=DIP				-				
SI830 SERIES	DTL		SILICONIX OBS VERSN 830 SERIES	-	+5V	-	-	-	-	SIX	930 SERIES
SI930 SERIES	DTL	-	SILICONIX OBS VRSN 930 SERIES	-	+5V	-	-	-	-	SIX	930 SERIES
SIL4000 SER.	CMS	VAR	MITEL VRSN OF CD4000 SERIES	-	-	VAR	-	-	-	MIL	CD4000 SER.
SK74H00 SER	HTL	-	RCA SERVICE REPLACEMENTS	DIL--P	-	-	-	-	-	RCA	SN74H00N SER.
SK74LS00 SER.	LST	-	RCA SERVICE REPLACEMENTS	DIL--P	-	-	-	-	-	RCA	SN74LS00N SER
SK74S00 SER.	STL	-	RCA SERVICE REPLACEMENTS	DIL--P	-	-	-	-	-	RCA	SN74S00N SER.
SK7400 SERIES	TTL	-	RCA SERVICE REPLACEMENTS	DIL--P	-	-	-	-	-	RCA	SN7400N SER
SM00 SERIES	TTL	-	INDIVIDUAL ICS SEPTLY IN TABLE	-	-	-	-	-	-	SYL	-
SM000 SERIES	TTL	-	INDIVIDUAL ICS SEPTLY IN TABLE	-	-	-	-	-	-	SYL	-
SM10-13/1	TTL	ADD	ADDER, FULL, FAST	FLP14	+5V	-	90MW	-	-	SYL	-
SM10-13/2	TTL	ADD	ADDER, FULL, FAST	DIL14C	+5V	-	90MW	-	-	SYL	-
SM20-23/1	TTL	ADD	ADDER, FAST, DEPENDENT CARRY	FLP14	+5V	-	125MW	-	-	SYL	-
SM20-23/2	TTL	ADD	ADDER, FAST, DEPENDENT CARRY	DIL14C	+5V	-	125MW	-	-	SYL	-
SM30-33/1	TTL	ADD	ADDER, FAST, INDEPENDENT CARRY	FLP14	+5V	-	125MW	-	-	SYL	-
SM30-33/2	TTL	ADD	ADDER, FAST, INDEPENDENT CARRY	DIL14C	+5V	-	125MW	-	-	SYL	-
SM40-43/1	TTL	DCD	CARRY DECODER	FLP14	+5V	-	25MW	-	-	SYL	-
SM40-43/2	TTL	DCD	CARRY DECODER	DIL14C	+5V	-	25MW	-	-	SYL	-
SM50-53/1	TTL	DVD	DIVIDER, DECADE	FLP14	+5V	-	120MW	30MXMHZ	-	SYL	-
SM50-53/2	TTL	DVD	DIVIDER, DECADE	DIL14C	+5V	-	120MW	-	-	SYL	-
SM60-63/1	TTL	REG	STORAGE REG,4BT,DIG FUNC ARRAY	FLP14	+5V	-	120MW	20MXMHZ	-	SYL	-
SM60-63/2	TTL	REG	STORAGE REG,4BT,DIG FUNC ARRAY	DIL14C	+5V	-	120MW	20MXMHZ	-	SYL	-
SM70-73/1	TTL	REG	STORAGE REG,4BT,DIG FUNC ARRAY	FLP14	+5V	-	120MW	20MXMHZ	-	SYL	-
SM70-73/2	TTL	REG	STORAGE REG,4BT,DIG FUNC ARRAY	DIL14C	+5V	-	120MW	20MXMHZ	-	SYL	-
SM80-83/1	TTL	RAM	MEMORY, 16 BIT,SCRATCH PAD,RAM	FLP14	+5V	-	250MW	10MXMHZ	-	SYL	-
SM80-83/2	TTL	RAM	MEMORY, 16 BIT,SCRATCH PAD,RAM	DIL14C	+5V	-	250MW	10MXMHZ	-	SYL	-
SM90-93/1	TTL	CTR	COUNTER, FREQUENCY, DECADE	FLP14	+5V	-	125MW	35MXMHZ	-	SYL	-
SM90-93/2	TTL	CTR	COUNTER, FREQUENCY, DECADE	DIL14C	+5V	-	125MW	35MXMHZ	-	SYL	-
SM120-123/1	TTL	PAR	PARITY GENERATOR/CHECKER	FLP14	+5V	-	-	-	-	SYL	-
SM120-123/2	TTL	PAR	PARITY GENERATOR/CHECKER	DIL14C	+5V	-	-	-	-	SYL	-
SM130-133/1	TTL	CMP	COMPARATOR, 4-BIT, 2 WORD	FLP14	+5V	-	-	-	-	SYL	-
SM130-133/2	TTL	CMP	COMPARATOR, 4 BIT, 2 WORD	DIL14C	+5V	-	-	-	-	SYL	-
SM140-143/1	TTL	CRT	COUNTER,BINARY,4 BIT	FLP14	+5V	-	200MW	20MXMHZ	-	SYL	-
SM140-143/2	TTL	CTR	COUNTER,BINARY,4 BIT	DIL14C	+5V	-	200MW	20MXMHZ	-	SYL	-
SM150-153/1	TTL	CTR	COUNTER, BCD, 4 BIT	FLP14	+5V	-	200MW	20MXMHZ	-	SYL	-
SM150-153/2	TTL	CTR	COUNTER, BCD, 4 BIT	DIL14C	+5V	-	200MW	20MXMHZ	-	SYL	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
SM160-163/1	TTL	CTR	COUNTER, BINARY, 4 BIT	FLP14	+5V	-	275MW	10MXMHZ	-	SYL	-
SM160-163/2	TTL	CTR	COUNTER, BINARY, 4 BIT	DIL14C	+5V	-	275MW	10MXMHZ	-	SYL	-
SM170-173/1	TTL	CTR	COUNTER, BCD, 4 BIT	FLP14	+5V	-	275MW	10MXMHZ	-	SYL	-
SM170-173/2	TTL	CTR	COUNTER, BCD, 4 BIT	DIL14C	+5V	-	275MW	10MXMHZ	-	SYL	-
SM180-183/1	TTL	CTR	COUNTER, BINARY, 4 BIT	FLP14	+5V	-	400MW	15MXMHZ	-	SYL	-
SM180-183/2	TTL	CTR	COUNTER, BINARY, 4 BIT	DIL14C	+5V	-	400MW	15MXMHZ	-	SYL	-
SM190-193/1	TTL	CTR	COUNTER, BCD, 4 BIT	FLP14	+5V	-	400MW	15MXMHZ	-	SYL	-
SM190-193/2	TTL	CTR	COUNTER, BCD, 4 BIT	DIL14C	+5V	-	400MW	15MXMHZ	-	SYL	-
SN54ALS00 SER	ALS	-	54ALS SER DETAILED SEPARATELY	-	-	125	-	-	-	TII	-
SN54ALS00J	ALS	NAN	NAND, 2IP, QUAD	DIL14C	+5V	125	3MA	5MXNS	N001	TII	-
SN54ALS01J	ALS	NAN	NAND, 2IP, OC OP, QUAD	DIL14C	+5V	125	4MA	6.5MXNS	N003	TII	-
SN54ALS02J	ALS	NOR	NOR, 2IP, QUAD	DIL14C	+5V	125	4MA	6.5MXNS	Q001	TII	-
SN54ALS03J	ALS	NAN	NAND, 2IP, OC OP, QUAD	DIL14C	+5V	125	3.8MA	5.5MXNS	N001	TII	-
SN54ALS04J	ALS	INV	INVERTER, HEX	DIL14C	+5V	125	3.8MA	5.5MXNS	I001	TII	-
SN54ALS05J	ALS	INV	INVERTER, OC OP, HEX	DIL14C	+5V	125	3.8MA	17MXNS	I001	TII	-
SN54ALS08J	ALS	AND	AND, 2IP, QUAD	DIL14C	+5V	125	4MA	7MXNS	A001	TII	-
SN54ALS09J	ALS	AND	AND, 2IP, OC OP, QUAD	DIL14C	+5V	125	4MA	7MXNS	A001	TII	-
SN54ALS10J	ALS	NAN	NAND, 3IP, TRIPLE	DIL14C	+5V	125	2.2MA	9MXNS	N004	TII	-
SN54ALS11J	ALS	AND	AND, 3IP, TRIPLE	DIL14C	+5V	125	3MA	17.5MXNS	A003	TII	-
SN54ALS12J	ALS	NAN	NAND, 3IP, OC OP, TRIPLE	DIL14C	+5V	125	2.2MA	17MXNS	N004	TII	-
SN54ALS15J	ALS	AND	AND, 3IP, OC OP, TRIPLE	DIL14C	+5V	125	3MA	17.5MXNS	A003	TII	-
SN54ALS20J	ALS	NAN	NAND, 4IP, DUAL	DIL14C	+5V	125	1.5MA	13MXNS	N008	TII	-
SN54ALS21J	ALS	AND	AND, 4IP, DUAL	DIL14C	+5V	125	4MA	7NS	A005	TII	-
SN54ALS22J	ALS	NAN	NAND, 4IP, OC OP, DUAL	DIL14C	+5V	125	1.5MA	13MXNS	N008	TII	-
SN54ALS27J	ALS	NOR	NOR, 3IP, TRIPLE	DIL14C	+5V	125	8.8MA	4.8MXNS	Q005	TII	-
SN54ALS28J	ALS	NOR	NOR, BUFFER, 2IP, QUAD	DIL14C	+5V	125	8.8MA	4.8MXNS	Q001	TII	-
SN54ALS30J	ALS	NAN	NAND, 8IP	DIL14C	+5V	125	8.8MA	4.8MXNS	N010	TII	-
SN54ALS32J	ALS	ORG	OR, 2IP, QUAD	DIL14C	+5V	125	4.9MA	6.5MXNS	O001	TII	-
SN54ALS33J	ALS	NOR	NOR, 2IP, OC OP, QUAD	DIL14C	+5V	125	8.8MA	20MXNS	Q001	TII	-
SN54ALS37J	ALS	NAN	NAND, BUFFER, 2IP, QUAD	DIL14C	+5V	125	3MA	5MXNS	N001	TII	-
SN54ALS38J	ALS	NAN	NAND, BUFFER, 2IP, OC OP, QUAD	DIL14C	+5V	125	3MA	5MXNS	N001	TII	-
SN54ALS40J	ALS	NAN	NAND, BUFFER, 4IP, DUAL	DIL14C	+5V	125	3MA	5MXNS	N008	TII	-
SN54ALS74N	ALS	FFD	FF/D, +EDG TRG,SEP-S/R/CK,DUAL	DIL14P	+5V	125	4MA	40MXMHZ	F008	TII	-
SN54ALS74J	ALS	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	DIL14C	+5V	125	4MA	40MXMHZ	F008	TII	-
SN54ALS109J	ALS	FFJ	FF/J(-K), +ET,SEP S/R/CK, DUAL	DIL16C	+5V	125	4MA	35MXMHZ	F021	TII	-
SN54ALS112J	ALS	FFJ	FF/JK, NEG ET,SEP S/R/CK, DUAL	DIL16C	+5V	125	4MA	35MXMHZ	F022	TII	-
SN54ALS113J	ALS	FFJ	FF/JK,(-)ET,SEP S/CK,NO R,DUAL	DIL14C	+5V	125	4MA	35MXMHZ	F023	TII	-
SN54ALS114J	ALS	FFJ	FF/JK,(-)ET,SEP S/CK,NO R,DUAL	DIL14C	+5V	125	4MA	35MXMHZ	F023	TII	-
SN54ALS123J	ALS	MON	MONOSTABLE,MULTI,RETRIG, DUAL	DIL16C	+5V	125	-	-	U003	TII	-
SN54ALS132J	ALS	SCH	NAND, 2IP,SCHMITT, QUAD	DIL14C	+5V	125	-	-	N001	TII	-
SN54ALS133J	ALS	NAN	NAND, 13IP	DIL16C	+5V	125	74MA	30MXNS	N012	TII	-
SN54ALS154J	ALS	DCD	DECODER/DEMUX, 4-TO-16 LINE	DIL24C	+5V	125	-	-	D009	TII	-
SN54ALS157J	ALS	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	DIL16C	+5V	125	-	-	M005	TII	-
SN54ALS158J	ALS	MUX	MUX/DATA SELECTOR,INV OP 54157	DIL16C	+5V	125	-	-	M006	TII	-
SN54ALS160J	ALS	CTR	COUNTER,DEC,4 BIT, SYNC,DRCT R	DIL16C	+5V	125	-	-	C004	TII	-
SN54ALS161J	ALS	CTR	COUNTER, BIN,4 BIT,SYNC,DRCT R	DIL16C	+5V	125	-	-	C004	TII	-
SN54ALS163J	ALS	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	DIL16C	+5V	125	-	-	C005	TII	-
SN54ALS168J	ALS	CTR	COUNTER,4 BT,DEC,UP/DOWN, SYNC	DIL16C	+5V	125	-	-	C006	TII	-
SN54ALS169J	ALS	CTR	COUNTER,UP/DOWN,4 BIT BIN,SYNC	DIL16C	+5V	125	-	-	C006	TII	-
SN54ALS190J	ALS	CTR	COUNTER,DEC,UP/DWN,SYNC,PRESET	DIL16C	+5V	125	-	-	C008	TII	-
SN54ALS191J	ALS	CTR	COUNTER, 4 BT HEX, UP/DWN,SYNC	DIL16C	+5V	125	-	-	C008	TII	-
SN54ALS192J	ALS	CTR	COUNTER, 4 BT HEX, UP/DWN,SYNC	DIL16C	+5V	125	-	-	C008	TII	-
SN54ALS193J	ALS	CTR	COUNTER, 4 BT HEX, UP/DWN,SYNC	DIL16C	+5V	125	-	-	C008	TII	-
SN54ALS257J	ALS	SEL	MUX/DATA SELECTR,2-1LN,3S,QUAD	DIL16C	+5V	125	-	-	M009	TII	-
SN54ALS258J	ALS	SEL	MUX/DATA SELECTR,INV-OP-54257	DIL16C	+5V	125	-	-	M010	TII	-
SN54ALS299J	ALS	SRG	SHIFT REG,8 BIT,L/R SH,3S,PIPO	DIL20C	+5V	125	-	-	R020	TII	-
SN54ALS323J	ALS	SRG	SHIFT REG,8 BIT,L/R,3S,PIPO	DIL20C	+5V	125	-	-	R022	TII	-
SN54ALS354J	ALS	MUX	MUX/DATA SELECT,8-1LN,REGR, 3S	DIL20C	+5V	125	-	-	Z999	TII	-
SN54ALS355J	ALS	MUX	MUX/DATA SELECT,8-1LN,REGR, OC	DIL20C	+5V	125	-	-	Z999	TII	-
SN54ALS356J	ALS	MUX	MUX/DATA SELECT,4-1LN,D REG,3S	DIL20C	+5V	125	-	-	Z999	TII	-
SN54ALS357J	ALS	MUX	MUX/DATA SELECT,8-1LN,D REG,OC	DIL20C	+5V	125	-	-	Z999	TII	-
SN54ALS560J	ALS	CTR	COUNTER,DECADE,SYNC,ASYNC R	DIL20C	+5V	125	-	-	Z999	TII	-
SN54ALS561J	ALS	CTR	COUNTER,4 BT BIN,SYNC,ASYNC R	DIL20C	+5V	125	-	-	Z999	TII	-
SN54ALS568J	ALS	CTR	COUNTER,BCD DEC,UP/DWN,3S,SYNC	DIL20C	+5V	125	-	-	C023	TII	-
SN54ALS569J	ALS	CTR	COUNTER,4BT BIN,UP/DWN,3S,SYNC	DIL20C	+5V	125	-	-	C023	TII	-
SN54ALS573J	ALS	MEM	PROM,4K=1024X4 BIT, 3S OP	DIL18C	+5V	125	-	-	Z999	TII	-
SN54ALS574J	ALS	MEM	PROM,4K=1024X4 BIT, OC OP	DIL18C	+5V	125	-	-	Z999	TII	-
SN54ALS576J	ALS	FFD	FF/D, 3S INV OP, OCTAL	DIL20C	+5V	125	-	-	Z999	TII	-
SN54ALS576N	ALS	FFD	FF/D, 3S INV OP, OCTAL	DIL20P	+5V	70C	-	-	Z999	TII	-
SN54ALS590J	ALS	CTR	COUNTER WITH LATCH	DIL--C	+5V	125	-	-	Z999	TII	-
SN54ALS873J	ALS	LCH	LATCH, 2XQUAD,TRANSPT,3S,OCTAL	DIL24C	+5V	125	-	-	Z999	TII	-
SN54ALS874J	ALS	FFD	FF/D, 2XQUAD(=OCTAL), 3S	DIL24C	+5V	125	-	-	Z999	TII	-
SN54ALS857J	ALS	MUX	MUX,UNIVERSAL,8-1 LINE, 3S	DIL24C	+5V	125	-	-	Z999	TII	-
SN54ALS878J	ALS	FFD	FF/D,INV OP,3S,OCTAL(=2XQUAD)	DIL20C	+5V	125	-	-	Z999	TII	-
SN54ALS880J	ALS	LCH	LATCH,D TYPE,TRANSP,3S,2XQUAD	DIL20C	+5V	125	-	-	Z999	TII	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
SN54ASOO SER.	AST	-	SPEC. ADV. SCHOTTKY TTL SERIES	-	-	125	-	-	-	TII	-
SN54HOO SER.	HTL	-	54H SERIES DETAILED SEPARATELY	-	-	125	-	-	-	TII	-
SN54HOOJ SER.	HTL	-	CER DIL HTL SER. DETAILED SEP.	DIL--C	-	125	-	-	-	TII	-
SN54HOON SER.	HTL	-	PLASTIC DIL HTL SERIES	DIL--P	-	125	-	-	-	TII	DM54HOON SER
SN54HOOW SER.	HTL	-	FLP HTL SERIES DETAILED SEPTLY	FLP---	-	125	-	-	-	TII	-
SN54HOOJ	HTL	NAN	NAND, 2IP, QUAD	DIL14C	+5V	125	40MA	10MXNS	NOO1	TII	DM54HOOJ
SN54HOOW	HTL	NAN	NAND, 2IP, QUAD	FLP14	+5V	70C	40MA	10MXNS	NOO2	TII	54HOOFM
SN54H01J	HTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14C	+5V	125	40MA	15MXNS	NOO1	TII	DM54H01J
SN54H01W	HTL	NAN	NAND, 2IP, OC OP, QUAD	FLP14	+5V	125	40MA	15MXNS	NOO2	TII	54H01FM
SN54H04J	HTL	INV	INVERTER, HEX	DIL14C	+5V	125	58MA	10MXNS	IOO1	TII	DM54H04J
SN54H04W	HTL	INV	INVERTER, HEX	FLP14	+5V	125	58MA	10MXNS	IOO2	TII	54H04FM
SN54H05J	HTL	INV	INVERTER, OC OP, HEX	DIL14C	+5V	125	58MA	18MXNS	ICO1	TII	54H05DM
SN54H05W	HTL	INV	INVERTER, OC OP, HEX	FLP14	+5V	125	58MA	18MXNS	ICO2	TII	54H05FM
SN54H08FM	HTL	AND	AND, 2IP, QUAD	FLP14	+5V	125	64MA	12MXNS	AC02	FAI	-
SN54H10W	HTL	NAN	NAND, 3IP, TRIPLE	FLP14	+5V	125	30MA	10MXNS	NOO5	TII	54H10FM
SN54H11J	HTL	AND	AND, 3IP, TRIPLE	DIL14C	+5V	125	48MA	12MXNS	AOO3	TII	DM54H11J
SN54H11W	HTL	AND	AND, 3IP, TRIPLE	FLP14	+5V	125	48MA	12MXNS	AOO4	TII	54H11FM
SN54H15J	HTL	AND	AND, 3IP, OC OP, TRIPLE	DIL14C	+5V	125	48MA	18MXNS	AOO3	TII	S54S15J
SN54H15W	HTL	AND	AND, 3IP, OC OP, TRIPLE	FLP14	+5V	125	48MA	18MXNS	AOO3	TII	S54S15W
SN54H20J	HTL	NAN	NAND, 4IP, DUAL	DIL14C	+5V	125	20MA	10MXNS	NOO8	TII	DM54H20J
SN54H20W	HTL	NAN	NAND, 4IP, DUAL	FLP14	+5V	125	20MA	10MXNS	NOO9	TII	S54H20W
SN54H21J	HTL	AND	AND, 4IP, DUAL	DIL14C	+5V	125	32MA	12MXNS	AOO5	TII	DM54H21J
SN54H21W	HTL	AND	AND, 4IP, QUAD	FLP14	+5V	125	32MA	12MXNS	AOO6	TII	54H21FM
SN54H22J	HTL	NAN	NAND, 4IP, OC OP, DUAL	DIL14C	+5V	125	20MA	15MXNS	NOO8	TII	54H22DM
SN54H22W	HTL	NAN	NAND, 4IP, OC OP, DUAL	FLP14	+5V	125	20MA	15MXNS	NOO9	TII	54H22FM
SN54H30J	HTL	NAN	NAND, 8IP	DIL14C	+5V	125	10MA	12MXNS	NO10	TII	DM54H30J
SN54H30W	HTL	NAN	NAND, 8IP	FLP14	+5V	125	10MA	12MXNS	NO11	TII	54H30FM
SN54H40J	HTL	NAN	NAND, BUFFER, 4IP, DUAL	DIL14C	+5V	125	40MA	12MXNS	NOO8	TII	DM54H40J
SN54H40W	HTL	NAN	NAND, BUFFER, 4IP, DUAL	FLP14	+5V	125	40MA	12MXNS	NOO9	TII	54H40FM
SN54H50J	HTL	AOI	AOI, 2IP(1EXPDBLE) 2WIDE, DUAL	DIL14C	+5V	125	24MA	11MXNS	YOO1	TII	DM54H50J
SN54H50W	HTL	AOI	AOI, 2IP(1EXPDBLE) 2WIDE, DUAL	FLP14	+5V	125	24MA	11MXNS	YOO2	TII	54H50FM
SN54H51J	HTL	AOI	AOI, 2IP, 2WIDE, DUAL	DIL14C	+5V	125	24MA	11MXNS	YOO3	TII	DM54H51J
SN54H51W	HTL	AOI	AOI, 2IP, 2WIDE, DUAL	FLP14	+5V	125	24MA	11MXNS	YOO5	TII	54H51FM
SN54H52J	HTL	AOR	AND/OR, 2-2-2-3IP, EXPANDABLE	DIL14C	+5V	125	31MA	15MXNS	YOO6	TII	54H52DM
SN54H52W	HTL	AOR	AND/OR, 2-2-2-3IP, EXPANDABLE	FLP14	+5V	125	31MA	15MXNS	YOO7	TII	54H52FM
SN54H53J	HTL	AOI	AND/OR INVERT,2-2-2-3IP,EXPDBL	DIL14C	+5V	125	14MA	15MXNS	YOO9	TII	5453DM
SN54H53W	HTL	AOI	AND/OR INVERT,2-2-2-3IP,EXPDBL	FLP14	+5V	125	14MA	15MXNS	YO11	TII	54H53FM
SN54H54J	HTL	AOI	AND/OR INVERT,2-2-2-3IP	DIL14C	+5V	125	14MA	11MXNS	YO13	TII	54H54DM
SN54H54W	HTL	AOI	AND/OR INVERT,2-2-2-3IP	FLP14	+5V	125	14MA	11MXNS	YO15	TII	54H54FM
SN54H55J	HTL	AOI	AND/OR INVERT,4IP 2WIDE,EXPDBL	DIL14C	+5V	125	11MA	20MXNS	YO17	TII	54H55DM
SN54H55W	HTL	AOI	AND/OR INVERT,4IP 2WIDE,EXPDBL	FLP14	+5V	125	11MA	20MXNS	YO19	TII	54H55FM
SN54H60J	HTL	EXP	EXPANDER, 4IP,OC,FOR AOI, DUAL	DIL14C	+5V	125	4.5MA	-	EOO1	TII	54H60DM
SN54H60W	HTL	EXP	EXPANDER, 4IP,OC,FOR AOI, DUAL	FLP14	+5V	125	4.5MA	-	EOO2	TII	54H60FM
SN54H61J	HTL	EXP	EXPANDER,3IP,OC,FOR AOI,TRIPLE	DIL14C	+5V	125	16MA	-	EOO3	TII	54H61DM
SN54H61W	HTL	EXP	EXPANDER,3IP,OC,FOR AOI,TRIPLE	FLP14	+5V	125	16MA	-	EOO4	TII	54H61FM
SN54H62J	HTL	EXP	EXPANDER,2-2-3-3IP,OC,FOR AO	DIL14C	+5V	125	9MA	-	EOO5	TII	DM54H62J
SN54H62W	HTL	EXP	EXPANDER,2-2-3-3IP,OC,FOR AO	FLP14	+5V	125	9MA	-	EOO6	TII	54H62FM
SN54H71J	HTL	FFJ	FF/JK MSTR SLVE,AO GTD,S/R/CK	DIL14C	+5V	125	30MA	25MXMHZ	FOO3	TII	54H71DM
SN54H71W	HTL	FFJ	FF/JK, MSTR SLVE,AO GTD,S/R/CK	FLP14	+5V	125	30MA	25MXMHZ	FOO4	TII	54H71FM
SN54H72J	HTL	FFJ	FF/JK,MASTER SLVE,A GTD,S/R/CK	DIL14C	+5V	125	25MA	25MXMHZ	FOO5	TII	54H72DM
SN54H72W	HTL	FFJ	FF/JK,MASTER SLVE,A GTD,S/R/CK	FLP14	+5V	125	25MA	25MXMHZ	FOO6	TII	54H72FM
SN54H73J	HTL	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	DIL14C	+5V	125	50MA	25MXMHZ	FOO7	TII	DM54H73J
SN54H73AJ	HTL	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	DIL14C	+5V	125	-	-	FOO7	TII	-
SN54H73AW	HTL	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	FLP14	+5V	125	-	-	FOO7	TII	-
SN54H73W	HTL	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	FLP14	+5V	125	50MA	25MXMHZ	FOO7	TII	54H73FM
SN54H74J	HTL	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	DIL14C	+5V	125	42MA	35MXMHZ	FOO8	TII	DM54H74J
SN54H74W	HTL	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	FLP14	+5V	125	42MA	35MXMHZ	FOO9	TII	54H74FM
SN54H76J	HTL	FFJ	FF/JK, M-S, SEP S/R/CK, DUAL	DIL16C	+5V	125	50MA	25MXMHZ	FO10	TII	54H76DM
SN54H76W	HTL	FFJ	FF/JK, M-S, SEP S/R/CK, DUAL	FLP16	+5V	125	50MA	25MXMHZ	FO10	TII	54H76FM
SN54H78J	HTL	FFJ	FF/JK,M-S,COMM R/CK,SEP S,DUAL	DIL14C	+5V	125	50MA	25MXMHZ	FO11	TII	54H78DM
SN54H78W	HTL	FFJ	FF/JK,M-S,COMM R/CK,SEP S,DUAL	FLP14	+5V	125	50MA	25MXMHZ	FO12	TII	54H78FM
SN54H85J	HTL	CMP	COMPARATOR, MAGNITUDE, 4 BIT	DIL16C	+5V	125	-	-	ZOO5	TII	S54S85F
SN54H87J	HTL	XXX	TRUE/COMP,4BT,ZERO/ONE,ELEMENT	DIL14C	+5V	125	78MA	25MXNS	ZOO6	TII	54H87DM
SN54H87W	HTL	XXX	TRUE/COMP,4BT,ZERO/ONE,ELEMENT	FLP14	+5V	125	78MA	25MXNS	ZOO6	TII	54H87FM
SN54H101J	HTL	FFJ	FF/JK, NEG ET,S/CK, AO GTD IPS	DIL14C	+5V	125	38MA	40MXMHZ	FO13	TII	54H101DM
SN54H101W	HTL	FFJ	FF/JK, NEG ET,S/CK, AO GTD IPS	FLP14	+5V	125	38MA	40MXMHZ	FO14	TII	54H101FM
SN54H102J	HTL	FFJ	FF/JK, NEG ET,R/S/CK,A GTD IPS	DIL14C	+5V	125	38MA	40MXMHZ	FO15	TII	54H102DM
SN54H102W	HTL	FFJ	FF/JK, NEG ET,R/S/CK,A GTD IPS	FLP14	+5V	70C	38MA	40MXMHZ	FO16	TII	54H102FM
SN54H103J	HTL	FFJ	FF/JK, NEG ET,SEP R/CK, DUAL	DIL14C	+5V	125	76MA	40MXMHZ	FO17	TII	DM54H103J
SN54H103W	HTL	FFJ	FF/JK, NEG ET,SEP R/CK, DUAL	FLP14	+5V	125	76MA	40MXMHZ	FO17	TII	54H103FM
SN54H106J	HTL	FFJ	FF/JK, NEG ET,SEP S/R/CK, DUAL	DIL16C	+5V	125	76MA	40MXMHZ	FO18	TII	DM54H106J
SN54H106W	HTL	FFJ	FF/JK, NEG ET,SEP S/R/CK, DUAL	FLP16	+5V	125	76MA	40MXMHZ	FO18	TII	54H106FM
SN54H108J	HTL	FFJ	FF/JK, -ET,COM R/CK,SEP S,DUAL	DIL14C	+5V	125	76MA	40MXMHZ	FO20	TII	DM54H108J
SN54H108W	HTL	FFJ	FF/JK, -ET,COM R/CK,SEP S,DUAL	FLP14	+5V	125	76MA	40MXMHZ	FO20	TII	54H108FM
SN54H183J	HTL	ADD	ADDER,FULL, CARRY-SAVE, DUAL	DIL14C	+5V	125	69MA	18MXNS	ZO11	TII	54H183DM

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
SN54H183W	HTL	ADD	ADDER,FULL, CARRY-SAVE, DUAL	FLP14	+5V	135	69MA	18MXNS	Z011	TII	54H183FM
SN54L00 SER	LTL	-	ALTERNATE SOURCE SN54L00 SER.	-	-	125	-	-	-	ADM	-
SN54L00 SER.	LTL	-	54L SERIES DETAILED SEPARATELY	-	-	125	-	-	-	TII	-
SN54L00J SER	LTL	-	CER DIL LTL SER. DETAILED SEP	DIL--C	-	125	-	-	-	TII	-
SN54L00N SER.	LTL	-	PLASTIC DIL LTL SERIES	DIL--P	-	125	-	-	-	TII	DM54L00N SER
SN54L00T SER	LTL	-	FLP LTL SERIES DETAILED SEPTLY	FLP---	-	125	-	-	-	TII	-
SN54L00J	LTL	NAN	NAND, 2IP, QUAD	DIL14C	+5V	125	2MA	60MXNS	N001	TII	ZN54L00J
SN54L00T	LTL	NAN	NAND, 2IP, QUAD	FLP14	+5V	125	2MA	60MXNS	N002	TII	DM54L00W
SN54L02J	LTL	NOR	NOR, 2IP, QUAD	DIL14C	+5V	125	2.6MA	60MXNS	Q001	TII	ZN54L02J
SN54L02T	LTL	NOR	NOR, 2IP, QUAD	FLP14	+5V	125	2.6MA	60MXNS	Q002	TII	-
SN54L03J	LTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14C	+5V	125	2MA	90MXNS	N003	TII	ZN54L03J
SN54L04J	LTL	INV	INVERTER, HEX	DIL14C	+5V	125	3MA	60MXNS	I001	TII	ZN54L04J
SN54L04T	LTL	INV	INVERTER, HEX	FLP14	+5V	125	3MA	60MXNS	I002	TII	DM54L04W
SN54L10W	LTL	NAN	NAND, 3IP, TRIPLE	FLP14	+5V	125	1.5MA	60MXNS	N005	TII	DM54L10W
SN54L20J	LTL	NAN	NAND, 4IP, DUAL	DIL14C	+5V	125	1MA	60MXNS	N006	TII	ZN54L20J
SN54L20W	LTL	NAN	NAND, 4IP, DUAL	FLP14	+5V	125	1MA	60MXNS	N008	TII	54LS20FM
SN54L30J	LTL	NAN	NAND, 8IP	DIL14C	+5V	125	51MA	100MXNS	N010	TII	ZN54L30J
SN54L30W	LTL	NAN	NAND, 8IP	FLP14	+5V	125	51MA	100MXNS	N010	TII	54LS30FM
SN54L42J	LTL	DCD	DECODER, BCD-DECIMAL,4-10 LINE	DIL16C	+5V	125	22MA	70MXNS	D001	TII	ZN54L42J
SN54L43J	LTL	DCD	DECODER, EXC.3-DECIMAL,4-10 LN	DIL16C	+5V	125	22MA	70MXNS	D001	TII	54LS43DM
SN54L44J	LTL	DCD	DECODER,EXC.3 GRAY-DEC,4-10 LN	DIL16C	+5V	125	22MA	70MXNS	D001	TII	54LS42DM
SN54L46J	LTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 30V	DIL16C	+5V	125	43MA	200MXNS	D011	TII	-
SN54L47J	LTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 15V	DIL16C	+5V	125	43MA	200MXNS	D011	TII	54LS47DM
SN54L51J	LTL	AOI	AOI, 2IP, 2WIDE, DUAL	DIL14C	+5V	125	1.3MA	90MXNS	Y004	TII	ZN54L51J
SN54L51T	LTL	AOI	AOI, 2IP, 2WIDE, DUAL	FLP14	+5V	125	1.3MA	90MXNS	Y023	TII	DM54L51W
SN54L54J	LTL	AOI	AND/OR INVERT,2-2-2-3IP	DIL14C	+5V	125	1MA	90MXNS	Y014	TII	ZN54L54J
SN54L54T	LTL	AOI	AND/OR INVERT,2-2-2-3IP	FLP14	+5V	125	1MA	90MXNS	Y024	TII	-
SN54L55J	LTL	AOI	AND/OR INVERT,4IP 2WIDE,EXPDBL	DIL14C	+5V	125	65MA	90MXNS	Y018	TII	ZN54L55J
SN54L55T	LTL	AOI	AND/OR INVERT,4IP 2WIDE,EXPDBL	FLP14	+5V	125	.65MA	90MXNS	Y019	TII	-
SN54L71J	LTL	FFJ	FF/JK, MSTR SLVE,AO GTD,S/R/CK	DIL14C	+5V	125	1.5MA	2.5MXMHZ	F005	TII	DM54L71J
SN54L71T	LTL	FFJ	FF/JK, MSTR SLVE,AO GTD,S/R/CK	FLP14	+5V	125	1.5MA	2.5MXMHZ	F006	TII	DM54L71W
SN54L72J	LTL	FFJ	FF/JK,MASTER SLVE,A GTD,S/R/CK	DIL14C	+5V	125	1.5MA	2.5MXMHZ	F005	TII	DM54L72J
SN54L72T	LTL	FFJ	FF/JK,MASTER SLVE,A GTD,S/R/CK	FLP14	+5V	125	1.5MA	2.5MXMHZ	F006	TII	DM54L72W
SN54L73J	LTL	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	DIL14C	+5V	125	1.5MA	2.5MXMHZ	F007	TII	ZN54L73J
SN54L73T	LTL	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	FLP14	+5V	125	1.5MA	2.5MXMHZ	F007	TII	DM54L73W
SN54L73AJ	LTL	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	DIL14C	+5V	125	-	-	F007	TII	-
SN54L73AW	LTL	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	FLP14	+5V	125	-	-	F007	TII	-
SN54L74J	LTL	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	DIL14C	+5V	125	1.5MA	2.5MXMHZ	F008	TII	ZN54L74J
SN54L74T	LTL	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	FLP14	+5V	125	1.5MA	2.5MXMHZ	F009	TII	DM54L74W
SN54L75AJ	LTL	LCH	LATCH,FF/D,2BT,TRANSP,2OP,DUAL	DIL16C	+5V	125	5MA	120MXNS	L001	TII	DM54L75AJ
SN54L75J	LTL	LCH	LATCH,FF/D,2BT,TRANSP,2OP,DUAL	DIL16C	+5V	125	23MA	80MXNS	L001	TII	ZN54L75J
SN54L78J	LTL	FFJ	FF/JK,M-S,COMM R/CK,SEP S,DUAL	DIL14C	+5V	125	1.5MA	2.5MXMHZ	F012	TII	DM54L78J
SN54L78T	LTL	FFJ	FF/JK,M-S,COMM R/CK,SEP S,DUAL	FLP14	+5V	125	1.5MA	2.5MXMHZ	F012	TII	DM54L78W
SN54L85J	LTL	CMP	COMPARATOR, MAGNITUDE, 4 BIT	DIL16C	+5V	125	7.7MA	150MXNS	Z028	TII	ZN54L85J
SN54L86J	LTL	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14C	+5V	125	6.7MA	150MXNS	X003	TII	ZN54L86J
SN54L86T	LTL	XOR	EXCLUSIVE OR, 2IP, QUAD	FLP14	+5V	125	6.7MA	150MXNS	X005	TII	DM54L86W
SN54L90J	LTL	CTR	COUNTER, DECADE,2X5 DIV,RIPPLE	DIL14C	+5V	125	7.2MA	3MXMHZ	C001	TII	ZN54L90J
SN54L90T	LTL	CTR	COUNTER, DECADE,2X5 DIV,RIPPLE	FLP14	+5V	125	7.2MA	3MXMHZ	C001	TII	DM54L90W
SN54L91J	LTL	SRG	SHIFT REG, 8BT,SISO,GATED IP	DIL14C	+5V	125	6.6MA	3MXMHZ	R001	TII	ZN54L91J
SN54L91T	LTL	SRG	SHIFT REG, 8BT,SISO,GATED IP	FLP14	+5V	125	6.6MA	3MXMHZ	R002	TII	·
SN54L93J	LTL	CTR	COUNTER,4BT BIN,2X8 DIV,RIPPLE	DIL14C	+5V	125	7.2MA	3MXMHZ	C003	TII	ZN54L93J
SN54L93T	LTL	CTR	COUNTER,4BT BIN,2X8 DIV,RIPPLE	FLP14	+5V	125	7.2MA	3MXMHZ	C003	TII	DM54L93V
SN54L95J	LTL	SRG	SHIFT REG,4BIT,L/R SHIFT, PIPO	DIL14C	+5V	125	9MA	3MXMHZ	R035	TII	ZN54L95J
SN54L95T	LTL	SRG	SHIFT REG,4BIT,L/R SHIFT, PIPO	FLP14	+5V	125	9MA	3MXMHZ	R035	TII	DM54L95W
SN54L96J	LTL	SRG	SHIFT REG, 5BT,1 SET,PISO/SIPO	DIL16C	+5V	125	34MA	110MXNS	R005	TII	ZN54L96J
ZN54L96E	LTL	SRG	SHIFT REG, 5BT,1 SET,PISO/SIPO	DIL16P	+5V	125	34MA	110MXNS	R005	FER	ZN54L96J
SN54L98J	LTL	SEL	DATA SELECTOR,STORAGE REG, 4BT	DIL16C	+5V	125	9MA	200MXNS	M016	TII	DM54L98J
SN54L99J	LTL	SRG	SHIFT REG, L/R SHIFT, 4 BIT	DIL16C	+5V	125	9MA	2MXMHZ	R036	TII	-
SN54L121J	LTL	MON	MONOSTABLE MULTI, SCHMITT TRIG	DIL14C	+5V	125	20MA	160MXNS	U001	TII	-
SN54L121T	LTL	MON	MONOSTABLE MULTI, SCHMITT TRIG	FLP14	+5V	125	20MA	160MXNS	U001	TII	-
SN54L122J	LTL	MON	MONOSTABLE MULTI,RETRIG,WITH R	DIL14C	+5V	125	14MA	80MXNS	U002	TII	ZN54L122J
SN54L122T	LTL	MON	MONOSTABLE,MULTI,RETRIG,WITH R	FLP14	+5V	125	14MA	80MXNS	U002	TII	-
SN54L123J	LTL	MON	MONOSTABLE,MULTI,RETRIG, DUAL	DIL16C	+5V	125	14MA	80MXNS	U003	TII	DM54L123AJ
SN54L153J	LTL	MUX	MUX/DATA SELECTOR,4-1 LIN,DUAL	DIL16C	+5V	125	26MA	68MXNS	M004	TII	54LS153DM
SN54L154J	LTL	DCD	DECODER/DEMUX, 4-TO-16 LINE	DIL24C	+5V	125	25MA	72MXNS	D009	TII	DM54L154AJ
SN54L157J	LTL	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	DIL16C	+5V	125	24MA	54MXNS	M005	TII	DM54L157AJ
SN54L164J	LTL	SRG	SHIFT REGISTER, 8 BIT, SIPO	DIL14C	+5V	125	27MA	12MXMHZ	R006	TII	ZN54L164J
SN54L164T	LTL	SRG	SHIFT REGISTER, 8 BIT, SIPO	FLP14	+5V	125	27MA	12MXMHZ	R006	TII	DM54L164AW
SN54L192J	LTL	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	DIL16C	+5V	125	15MA	3MXMHZ	C009	TII	ZN54L192J
SN54L193J	LTL	CTR	COUNTER,HEX,UP/DWN,SYNC,2CK,3S	DIL16C	+5V	125	15MA	3MXMHZ	C009	TII	ZN54L193J
SN54LS00 SER.	LST	-	ALTERNATE SOURCE SN54LS00 SER.	-	-	125	-	-	-	ADM	-
SN54LS00 SER.	LST	-	ALTERNATIVE SOURCE SN54LS00 SR	-	-	125	-	-	-	MMI	-
SN54LS00 SER.	LST	-	ALTERNATE SOURCE SN54LS00 SER.	-	-	125	-	-	-	MOT	-
SN54LS00 SER.	LST	-	54LS SERIES DETAILED SEPARATE:	-	-	125	-	-	-	TII	-
SN54LS00J SER	LST	-	CER DIL LST SER. DETAILED SEP.	DIL--C	-	125	-	-	-	TII	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
SN54LS00N SER	LST	-	PLASTIC DIL LST SERIES	DIL--P	-	125	-	-	-	TII	DM54LS00N SER
SN54LS00W SER	LST	-	FLP LST SERIES DETAILED SEPTLY	FLP---	-	125	-	-	-	TII	-
SN54LS00J	LST	NAN	NAND, 2IP, QUAD	DIL14C	+5V	125	4.4MA	15MXNS	N001	TII	DM54LS00J
SN54LS00W	LST	NAN	NAND, 2IP, QUAD	FLP14		125	4.4MA	15MXNS	N001	TII	DM54LS00W
SN54LS01J	LST	NAN	NAND, 2IP, OC OP, QUAD	DIL14C	+5V	125	4.4MA	32MXNS	N003	TII	DM54LS01J
SN54LS01W	LST	NAN	NAND, 2IP, OC OP, QUAD	FLP14	+5V	125	4.4MA	32MXNS	N003	TII	DM54LS01W
SN54LS02J	LST	NOR	NOR, 2IP, QUAD	DIL14C	+5V	125	5.4MA	15MXNS	Q001	TII	DM54LS02J
SN54LS02W	LST	NOR	NOR, 2IP, QUAD	FLP14	+5V	125	5.4MA	15MXNS	Q001	TII	DM54LS02W
SN54LS03J	LST	NAN	NAND, 2IP, OC OP, QUAD	DIL14C	+5V	125	4.4MA	32MXNS	N001	TII	DM54LS03J
SN54LS03W	LST	NAN	NAND, 2IP, OC OP, QUAD	FLP14	+5V	125	4.4MA	32MXNS	N001	TII	DM54LS03W
SN54LS04J	LST	INV	INVERTER, HEX	DIL14C	+5V	125	6.6MA	15MXNS	I001	TII	DM54LS04J
SN54LS04W	LST	INV	INVERTER, HEX	FLP14	+5V	125	6.6MA	15MXNS	I001	TII	DM54LS04W
SN54LS05J	LST	INV	INVERTER, OC OP, HEX	DIL14C	+5V	125	6.6MA	32MXNS	I001	TII	DM54LS05J
SN54LS05W	LST	INV	INVERTER, OC OP, HEX	FLP14	+5V	125	6.6MA	32MXNS	I001	TII	DM54LS05W
SN54LS08J	LST	AND	AND, 2IP, QUAD	DIL14C	+5V	125	8.8MA	20MXNS	A001	TII	DM54LS08J
SN54LS08W	LST	AND	AND, 2IP, QUAD	FLP14	+5V	125	8.8MA	20MXNS	A001	TII	DM54LS08W
SN54LS09J	LST	AND	AND, 2IP, OC OP, QUAD	DIL14C	+5V	125	8.8MA	35MXNS	A001	TII	DM54LS09J
SN54LS09W	LST	AND	AND, 2IP, OC OP, QUAD	FLP14	+5V	125	8.8MA	35MXNS	A001	TII	DM54LS09W
SN54LS10J	LST	NAN	NAND, 3IP, TRIPLE	DIL14C	+5V	125	3.3MA	15MXNS	N004	TII	DM54LS10J
SN54LS10W	LST	NAN	NAND, 3IP, TRIPLE	FLP14	+5V	125	3.3MA	15MXNS	N004	TII	DM54LS10W
SN54LS11J	LST	AND	AND, 3IP, TRIPLE	DIL14C	+5V	125	6.6MA	20MXNS	A003	TII	DM54LS11J
SN54LS11W	LST	AND	AND, 3IP, TRIPLE	FLP14	+5V	125	6.6MA	20MXNS	A003	TII	DM54LS11W
SN54LS12J	LST	NAN	NAND, 3IP, OC OP, TRIPLE	DIL14C	+5V	125	3.3MA	32MXNS	N004	TII	DM54LS12J
SN54LS12W	LST	NAN	NAND, 3IP, OC OP, TRIPLE	FLP14	+5V	125	3.3MA	32MXNS	N004	TII	DM54LS12W
SN54LS13J	LST	NAN	NAND, 4IP, SCHMITT, DUAL	DIL14C	+5V	125	7MA	27MXNS	N007	TII	DM54LS13J
SN54LS13W	LST	NAN	NAND, 4IP, SCHMITT, DUAL	FLP14	+5V	125	7MA	27MXNS	N007	TII	DM54LS13W
SN54LS14J	LST	SCH	INVERTER, SCHMITT, HEX	DIL14C	+5V	125	21MA	22MXNS	I004	TII	DM54LS14J
SN54LS14W	LST	SCH	INVERTER, SCHMITT, HEX	FLP14	+5V	125	21MA	22MXNS	I004	TII	DM54LS14W
SN54LS15J	LST	AND	AND, 3IP, OC OP, TRIPLE	DIL14C	+5V	125	6.6MA	35MXNS	A003	TII	DM54LS15J
SN54LS15W	LST	AND	AND, 3IP, OC OP, TRIPLE	FLP14	+5V	125	6.6MA	35MXNS	A003	TII	DM54LS15W
SN54LS20J	LST	NAN	NAND, 4IP, DUAL	DIL14C	+5V	125	2.2MA	15MXNS	N008	TII	DM54LS20J
SN54LS20W	LST	NAN	NAND, 4IP, DUAL	FLP14	+5V	125	2.2MA	15MXNS	N008	TII	DM54LS20W
SN54LS21J	LST	AND	AND, 4IP, DUAL	DIL14C	+5V	125	4.4MA	20MXNS	A005	TII	DM54LS21J
SN54LS21W	LST	AND	AND, 4IP, DUAL	FLP14	+5V	125	4.4MA	20MXNS	A005	TII	DM54LS21W
SN54LS22J	LST	NAN	NAND, 4IP, OC OP, DUAL	DIL14C	+5V	125	2.2MA	32MXNS	N008	TII	DM54LS22J
SN54LS22W	LST	NAN	NAND, 4IP, OC OP, DUAL	FLP14	+5V	125	2.2MA	32MXNS	N008	TII	DM54LS22W
SN54LS26J	LST	NAN	NAND, 2IP, OC 15V OP, QUAD	DIL14C	+5V	125	4.4MA	32MXNS	N001	TII	DM54LS26J
SN54LS26W	LST	NAN	NAND, 2IP, OC 15V OP, QUAD	FLP14	+5V	125	4.4MA	32MXNS	N001	TII	DM54LS26W
SN54LS27J	LST	NOR	NOR, 3IP, TRIPLE	DIL14C	+5V	125	6.8MA	15MXNS	Q005	TII	DM54LS27J
SN54LS27W	LST	NOR	NOR, 3IP, TRIPLE	FLP14	+5V	125	6.8MA	15MXNS	Q005	TII	DM54LS27W
SN54LS28J	LST	NOR	NOR, BUFFER, 2IP, QUAD	DIL14C	+5V	125	14MA	24MXNS	Q001	TII	54LS28DM
SN54LS28W	LST	NOR	NOR, BUFFER, 2IP, QUAD	FLP14	+5V	125	14MA	24MXNS	Q001	TII	54LS28FM
SN54LS30J	LST	NAN	NAND, 8IP	DIL14C	+5V	125	1.1MA	20MXNS	N010	TII	DM54LS30J
SN54LS30W	LST	NAN	NAND, 8IP	FLP14	+5V	125	1.1MA	20MXNS	N010	TII	DM54LS30W
SN54LS32J	LST	ORG	OR, 2IP, QUAD	DIL14C	+5V	125	9.8MA	22MXNS	O001	TII	DM54LS32J
SN54LS32W	LST	ORG	OR, 2IP, QUAD	FLP14	+5V	125	9.8MA	22MXNS	O001	TII	DM54LS32W
SN54LS33J	LST	NOR	NOR, 2IP, OC OP, QUAD	DIL14C	+5V	125	14MA	32MXNS	Q001	TII	54LS33DM
SN54LS33W	LST	NOR	NOR, 2IP, OC OP, QUAD	FLP14	+5V	125	14MA	32MXNS	Q001	TII	54LS33FM
SN54LS37J	LST	NAN	NAND, BUFFER, 2IP, QUAD	DIL14C	+5V	125	12MA	24MXNS	N001	TII	DM54LS37J
SN54LS37W	LST	NAN	NAND, BUFFER, 2IP, QUAD	FLP14	+5V	125	12MA	24MXNS	N001	TII	DM54LS37W
SN54LS38J	LST	NAN	NAND, BUFFER, 2IP, OC OP, QUAD	DIL14C	+5V	125	12MA	32MXNS	N001	TII	DM54LS38J
SN54LS38W	LST	NAN	NAND, BUFFER, 2IP, OC OP, QUAD	FLP14	+5V	125	12MA	32MXNS	N001	TII	DM54LS38W
SN54LS40J	LST	NAN	NAND, BUFFER, 4IP, DUAL	DIL14C	+5V	125	6MA	24MXNS	N008	TII	DM54LS40J
SN54LS40W	LST	NAN	NAND, BUFFER, 4IP, DUAL	FLP14	+5V	125	6MA	24MXNS	N008	TII	DM54LS40W
SN54LS42J	LST	DCD	DECODER, BCD-DECIMAL,4-10 LINE	DIL16C	+5V	125	13MA	30MXNS	D001	TII	DM54LS42J
SN54LS42W	LST	DCD	DECODER, BCD-DECIMAL,4-10 LINE	FLP16	+5V	125	13MA	30MXNS	D001	TII	DM54LS42W
SN54LS47J	LST	DSP	DECODER/DRIVER,BCD-7SGT,OC 15V	DIL16C	+5V	125	13MA	100MXNS	D011	TII	DM54LS47J
SN54LS47W	LST	DSP	DECODER/DRIVER,BCD-7SGT,OC 15V	FLP16	+5V	125	13MA	100MXNS	D011	TII	DM54LS47W
SN54LS48J	LST	DSP	DECODER,BCD-7SGT,INTERN PULLUP	DIL16C	+5V	125	38MA	100MXNS	D011	TII	DM54LS48J
SN54LS48W	LST	DSP	DECODER,BCD-7SGT,INTERN PULLUP	FLP16	+5V	125	38MA	100MXNS	D011	TII	DM54LS48W
SN54LS49J	LST	DSP	DECODER,BCD-7SGT,OC, ACT HI	DIL16C	+5V	125	15MA	100MXNS	D004	TII	DM54LS49J
SN54LS49W	LST	DSP	DECODER,BCD-7SGT,OC, ACT HI	FLP16	+5V	125	15MA	100MXNS	D004	TII	DM54LS49W
SN54LS51J	LST	AOI	AOI, 2IP, 2WIDE, DUAL	DIL14C	+5V	125	2.8MA	20MXNS	Y004	TII	DM54LS51J
SN54LS51W	LST	AOI	AOI, 2IP, 2WIDE, DUAL	FLP14	+5V	125	2.8MA	20MXNS	Y004	TII	DM54LS51W
SN54LS54J	LST	AOI	AND/OR INVERT,2-2-2-3IP	DIL14C	+5V	125	2MA	20MXNS	Y014	TII	DM54LS54J
SN54LS54W	LST	AOI	AND/OR INVERT,2-2-2-3IP	FLP14	+5V	125	2MA	20MXNS	Y014	TII	DM54LS54W
SN54LS55J	LST	AOI	AND/OR INVERT,4IP 2WIDE,EXPDBL	DIL14C	+5V	125	1.3MA	20MXNS	Y018	TII	DM54LS55J
SN54LS55W	LST	AOI	AND/OR INVERT,4IP 2WIDE,EXPDBL	FLP14	+5V	125	1.3MA	20MXNS	Y018	TII	DM54LS55W
SN54LS63J	LST	XXX	CURRENT SENSING GATE,IFACE,HEX	DIL14C	+5V	125	16MA	45MXNS	B015	TII	-
SN54LS63W	LST	XXX	CURRENT SENSING GATE,IFACE,HEX	FLP14	+5V	125	16MA	45MXNS	B015	TII	-
SN54LS73AJ	LST	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	DIL14C	+5V	125	6MA	30MXMHZ	F007	TII	-
SN54LS73AW	LST	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	FLP14C	+5V	125	6MA	30MXMHZ	F007	TII	-
SN54LS74J	LST	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	DIL14C	+5V	125	8MA	30MXMHZ	F008	TII	DM54LS74J
SN54LS74W	LST	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	FLP14	+5V	125	8MA	30MXMHZ	F008	TII	DM54LS74W
SN54LS75J	LST	LCH	LATCH,FF/D,2BT,TRANSP,2OP,DUAL	DIL16C	+5V	125	12MA	80MXNS	L001	TII	DM54LS75J

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
SN54LS75W	LST	LCH	LATCH,FF/D,2BT,TRANSP,2OP,DUAL	FLP16	+5V	125	12MA	80MXNS	L001	TII	DM54LS75W
SN54LS76AJ	LST	FFJ	FF/JK, M-S, SEP S/R/CK, DUAL	DIL16C	+5V	125	6MA	30MXMHZ	F010	TII	-
SN54LS76AW	LST	FFJ	FF/JK, M-S, SEP S/R/CK, DUAL	FLP16	+5V	125	6MA	30MXMHZ	F010	TII	-
SN54LS77W	LST	LCH	LATCH,FF/D,2BT,TRANSP,1OP,DUAL	FLP14	+5V	125	13MA	80MXNS	L002	TII	DM54LS77W
SN54LS78AJ	LST	FFJ	FF/JK,M-S,COMM R/CK,SEP S,DUAL	DIL14C	+5V	125	6MA	30MXMHZ	F012	TII	-
SN54LS78AW	LST	FFJ	FF/JK,M-S,COMM R/CK,SEP S,DUAL	FLP14	+5V	125	6MA	30MXMHZ	F012	TII	-
SN54LS78J	LST	FFJ	FF/JK,M-S,COMM R/CK,SEP S,DUAL	DIL14C	+5V	125	8MA	30MXMHZ	F012	TII	DM54LS78J
SN54LS83AJ	LST	ADD	ADDER,FULL,4BT BINARY,FST CRRY	DIL16C	+5V	125	34MA	24MXNS	Z004	TII	DM54LS83AJ
SN54LS83AW	LST	ADD	ADDER,FULL,4BT BINARY,FST CRRY	FLP16	+5V	125	34MA	24MXNS	Z004	TII	DM54LS83AW
SN54LS85J	LST	CMP	COMPARATOR, MAGNITUDE, 4 BIT	DIL16C	+5V	125	20MA	45MXNS	Z005	TII	DM54LS85J
SN54LS85W	LST	CMP	COMPARATOR, MAGNITUDE, 4 BIT	FLP16	+5V	125	20MA	45MXNS	Z005	TII	DM54LS85W
SN54LS86J	LST	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14C	+5V	125	10MA	30MXNS	X001	TII	DM54LS86J
SN54LS86W	LST	XOR	EXCLUSIVE OR, 2IP, QUAD	FLP14	+5V	125	10MA	30MXNS	X001	TII	DM54LS86W
SN54LS90J	LST	CTR	COUNTER, DECADE,2X5 DIV,RIPPLE	DIL14C	+5V	125	15MA	16MXMHZ	C001	TII	54LS90DM
SN54LS90W	LST	CTR	COUNTER, DECADE,2X5 DIV,RIPPLE	FLP14	+5V	125	15MA	16MXMHZ	C001	TII	54LS90FM
SN54LS91J	LST	SRG	SHIFT REG, 8BT,SISO,GATED IP	DIL14C	+5V	125	20MA	10MXMHZ	R001	TII	-
SN54LS91W	LST	SRG	SHIFT REG, 8BT,SISO,GATED IP	FLP14	+5V	125	20MA	10MXMHZ	R002	TII	-
SN54LS92J	LST	CTR	COUNTER, DUODECIMAL,2X6 DIVIDE	DIL14C	+5V	125	15MA	16MXMHZ	C002	TII	54LS92DM
SN54LS92W	LST	CTR	COUNTER, DUODECIMAL,2X6 DIVIDE	FLP14	+5V	125	15MA	16MXMHZ	C002	TII	54LS92FM
SN54LS93J	LST	CTR	COUNTER,4BT BIN,2X8 DIV,RIPPLE	DIL14C	+5V	125	15MA	16MXMHZ	C003	TII	54LS93DM
SN54LS93W	LST	CTR	COUNTER,4BT BIN,2X8 DIV,RIPPLE	FLP14	+5V	125	15MA	16MXMHZ	C003	TII	54LS93FM
SN54LS95BJ	LST	SRG	SHIFT REG,4BIT,L/R SHIFT, PIPO	DIL14C	+5V	125	21MA	25MXMHZ	R004	TII	54LS95BDM
SN54LS95BW	LST	SRG	SHIFT REG,4BIT,L/R SHIFT, PIPO	FLP14	+5V	125	21MA	25MXMHZ	R004	TII	54LS95BFM
SN54LS96J	LST	SRG	SHIFT REG, 5BT,1 SET,PISO/SIPO	DIL16C	+5V	125	20MA	55MXNS	R005	TII	S54LS96F
SN54LS96W	LST	SRG	SHIFT REG, 5BT,1 SET,PISO/SIPO	FLP16	+5V	125	20MA	55MXNS	R005	TII	S54LS96W
SN54LS107AJ	LST	FFJ	FF/JK, M-S, SEP R/CK, DUAL	DIL14C	+5V	125	6MA	30MXMHZ	F018	TII	-
SN54LS107AW	LST	FFJ	FF/JK, M-S, SEP R/CK, DUAL	FLP14	+5V	125	6MA	30MXMHZ	F018	TII	-
SN54LS107J	LST	FFJ	FF/JK, M-S, SEP R/CK, DUAL	DIL14C	+5V	125	8MA	30MXMHZ	F018	TII	DM54LS107J
SN54LS107W	LST	FFJ	FF/JK, M-S, SEP R/CK, DUAL	FLP14	+5V	125	8MA	30MXMHZ	F018	TII	DM54LS107W
SN54LS109AJ	LST	FFJ	FF/J(-K), +ET,SEP S/R/CK, DUAL	DIL16C	+5V	125	8MA	25MXMHZ	F021	TII	-
SN54LS109AW	LST	FFJ	FF/J(-K), +ET,SEP S/R/CK, DUAL	FLP16	+5V	125	8MA	25MXMHZ	F021	TTL	-
SN54LS112AJ	LST	FFJ	FF/JK, NEG ET,SEP S/R/CK, DUAL	DIL16C	+5V	125	6MA	30MXMHZ	F022	TII	-
SN54LS112AW	LST	FFJ	FF/JK, NEG ET,SEP S/R/CK, DUAL	FLP16	+5V	125	6MA	30MXMHZ	F022	TII	-
SN54LS112J	LST	FFJ	FF/JK, NEG ET,SEP S/R/CK, DUAL	DIL16C	+5V	125	8MA	30MXMHZ	F022	TII	DM54LS112J
SN54LS112W	LST	FFJ	FF/JK, NEG ET,SEP S/R/CK, DUAL	FLP16	+5V	125	8MA	30MXMHZ	F022	TII	DM54LS112W
SN54LS113AJ	LST	FFJ	FF/JK,(-)ET,SEP S/CK,NO R,DUAL	DIL14C	+5V	125	6MA	30MXMHZ	F023	TII	-
SN54LS113AW	LST	FFJ	FF/JK,(-)ET,SEP S/CK,NO R,DUAL	FLP14	+5V	125	6MA	30MXMHZ	F023	TII	-
SN54LS113J	LST	FFJ	FF/JK,(-)ET,SEP S/CK,NO R,DUAL	DIL14C	+5V	125	8MA	30MXMHZ	F023	TII	DM54LS113J
SN54LS113W	LST	FFJ	FF/JK,(-)ET,SEP S/CK,NO R,DUAL	FLP14	+5V	125	8MA	30MXMHZ	F023	TII	DM54LS113W
SN54LS114AJ	LST	FFJ	FF/JK, -ET,COM R/CK,SEP S,DUAL	DIL14C	+5V	125	6MA	30MXMHZ	F024	TII	-
SN54LS114AW	LST	FFJ	FF/JK, -ET,COM R/CK,SEP S,DUAL	FLP14	+5V	125	6MA	30MXMHZ	F024	TII	-
SN54LS114J	LST	FFJ	FF/JK, -ET,COM R/CK,SEP S,DUAL	DIL14C	+5V	125	8MA	30MXMHZ	F024	TII	DM54LS114J
SN54LS114W	LST	FFJ	FF/JK, -ET,COM R/CK,SEP S,DUAL	FLP14	+5V	125	8MA	30MXMHZ	F024	TII	DM54LS114W
SN54LS122J	LST	MON	MONOSTABLE,MULTI,RETRIG,WITH R	DIL14C	+5V	125	11MA	56MXNS	U002	TII	DM54LS122J
SN54LS122W	LST	MON	MONOSTABLE,MULTI,RETRIG,WITH R	DIL14P	+5V	125	11MA	56MXNS	U002	TII	-
SN54LS123J	LST	MON	MONOSTABLE,MULTI,RETRIG, DUAL	DIL16C	+5V	125	20MA	56MXNS	U003	TII	DM54LS123J
SN54LS123W	LST	MON	MONOSTABLE,MULTI,RETRIG, DUAL	FLP16	+5V	125	20MA	56MXNS	U003	TII	-
SN54LS124J	LST	VCO	VOLTAGE CONTROLLED OSC, DUAL	DIL16C	+5V	125	50MA	10MXMHZ	V001	TII	-
SN54LS124W	LST	VCO	VOLTAGE CONTROLLED OSC, DUAL	FLP16	+5V	125	50MA	10MXMHZ	V001	TII	-
SN54LS125AJ	LST	LND	LINE DRIVER, 3S OP,LO EN, QUAD	DIL14C	+5V	125	20MA	25MXNS	B002	TII	54LS125ADM
SN54LS125AW	LST	LND	LINE DRIVER, 3S OP,LO EN, QUAD	FLP14	+5V	125	20MA	25MXNS	B002	TII	54LS125AFM
SN54LS126AJ	LST	LND	LINE DRIVER, 3S OP,HI EN, QUAD	DIL14C	+5V	125	22MA	35MXNS	B003	TII	-
SN54LS126AW	LST	LND	LINE DRIVER, 3S OP,HI EN, QUAD	FLP14	+5V	125	22MA	35MXNS	B003	TII	-
SN54LS132J	LST	SCH	NAND, 2IP,SCHMITT, QUAD	DIL14C	+5V	125	14MA	22MXNS	N001	TII	DM54LS132J
SN54LS132W	LST	SCH	NAND, 2IP,SCHMITT, QUAD	FLP14	+5V	125	14MA	22MXNS	N001	TII	DM54LS132W
SN54LS136J	LST	XOR	EXCLUSIVE OR, OC OP, QUAD	DIL14C	+5V	125	99MA	15MXNS	X001	TII	54LS136DM
SN54LS136W	LST	XOR	EXCLUSIVE OR, OC OP, QUAD	FLP14	+5V	125	99MA	15MXNS	X001	TII	54LS136FM
SN54LS137J	LST	DCD	DECODER/DEMUX,3-8 LN,ADDR LTCH	DIL16C	+5V	125	18MA	38MXNS	D005	TII	-
SN54LS137W	LST	DCD	DECODER/DEMUX,3-8 LN,ADDR LTCH	FLP16	+5V	125	18MA	38MXNS	D005	TII	-
SN54LS138J	LST	DCD	DECODER/DEMUX,3-8 LN, NO LATCH	DIL16C	+5V	125	10MA	41MXNS	D006	TII	DM54LS138J
SN54LS138W	LST	DCD	DECODER/DEMUX,3-8 LN, NO LATCH	FLP16	+5V	125	10MA	41MXNS	D006	TII	DM54LS138W
SN54LS139J	LST	DCD	DECODER/DEMUX,2-4 LINE, DUAL	DIL16C	+5V	125	11MA	38MXNS	D007	TII	DM54LS139J
SN54LS139W	LST	DCD	DECODER/DEMUX,2-4 LINE, DUAL	FLP16	+5V	125	11MA	38MXNS	D007	TII	DM54LS139W
SN54LS145J	LST	DVR	DRIVER,80MA, BCD-DEC DECODR,OC	DIL16C	+5V	125	13MA	50MXNS	D001	TII	S54LS145F
SN54LS145W	LST	DVR	DRIVER,80MA, BCD-DEC DECODR,OC	FLP16	+5V	125	13MA	50MXNS	D001	TII	S54LS145W
SN54LS147J	LST	ENC	ENCODER, PRIORITY,10-TO-4 LINE	DIL16C	+5V	125	20MA	33MXNS	M017	TII	-
SN54LS147W	LST	ENC	ENCODER, PRIORITY,10-TO-4 LINE	FLP16	+5V	125	20MA	33MXNS	M017	TII	-
SN54LS148J	LST	ENC	ENCODER, PRIORITY,8-TO-3 LINE	DIL16C	+5V	125	20MA	55MXNS	M015	TII	-
SN54LS148W	LST	ENC	ENCODER, PRIORITY,8-TO-3 LINE	FLP16	+5V	125	20MA	55MXNS	M015	TII	-
SN54LS151J	LST	MUX	MUX/DATA SELECTOR, 8-TO-1 LINE	DIL16C	+5V	125	10MA	43MXNS	M002	TII	DM54LS151J
SN54LS151W	LST	MUX	MUX/DATA SELECTOR, 8-TO-1 LINE	FLP16	+5V	125	10MA	43MXNS	M002	TII	DM54LS151W
SN54LS152AW	LST	MUX	MUX/DATA SELECTOR,14 PIN 54152	FLP14	+5V	125	9MA	43MXNS	M003	TII	-
SN54LS153J	LST	MUX	MUX/DATA SELECTOR,4-1 LIN,DUAL	DIL16C	+5V	125	10MA	38MXNS	M004	TII	DM54LS153J
SN54LS153W	LST	MUX	MUX/DATA SELECTOR,4-1 LIN,DUAL	FLP16	+5V	125	10MA	38MXNS	M004	TII	DM54LS153W
SN54LS155J	LST	DCD	DECODER/DEMUX,2-TO-4 LINE,DUAL	DIL16C	+5V	125	10MA	30MXNS	D010	TII	DM54LS155J

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
SN54LS155W	LST	DCD	DECODER/DEMUX,2-TO-4 LINE,DUAL	FLP16	+5V	125	10MA	30MXNS	D010	TII	DM54LS155W
SN54LS156J	LST	DCD	DECODER/DEMUX,2-4 LINE,OC,DUAL	DIL16C	+5V	125	10MA	51MXNS	D010	TII	DM54LS156J
SN54LS156W	LST	DCD	DECODER/DEMUX,2-4 LINE,OC,DUAL	FLP16	+5V	125	10MA	51MXNS	D010	TII	DM54LS156W
SN54LS157J	LST	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	DIL16C	+5V	125	16MA	24MXNS	M005	TII	DM54LS157J
SN54LS157W	LST	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	FLP16	+5V	125	16MA	24MXNS	M005	TII	DM54LS157W
SN54LS158J	LST	MUX	MUX/DATA SELECTOR,INV OP 54157	DIL16C	+5V	125	8MA	24MXNS	M006	TII	DM54LS158J
SN54LS158W	LST	MUX	MUX/DATA SELECTOR,INV OP 54157	FLP16	+5V	125	8MA	24MXNS	M006	TII	DM54LS158W
SN54LS162AJ	LST	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	DIL16C	+5V	125	32MA	25MXMHZ	C005	TII	S54LS162AF
SN54LS162AW	LST	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	FLP16	+5V	125	32MA	25MXMHZ	C005	TII	S54LS162AW
SN54LS163AJ	LST	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	DIL16C	+5V	125	32MA	25MXMHZ	C005	TII	S54LS163AF
SN54LS163AF	LST	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	FLP16	+5V	125	32MA	25MXMHZ	C005	TII	S54LS163AW
SN54LS163J	LST	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	DIL16C	+5V	125	32MA	25MXMHZ	C005	TII	DM54LS163J
SN54LS163W	LST	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	FLP16	+5V	125	32MA	25MXMHZ	C005	TII	DM54LS163W
SN54LS164J	LST	SRG	SHIFT REGISTER, 8 BIT, SIPO	DIL14C	+5V	125	27MA	25MXMHZ	R006	TII	DM54LS164J
SN54LS164W	LST	SRG	SHIFT REGISTER, 8 BIT, SIPO	FLP14	+5V	125	27MA	25MXMHZ	R006	TII	DM54LS164W
SN54LS165J	LST	SRG	SHIFT REGISTER, 8 BIT, PISO	DIL16C	+5V	125	36MA	25MXMHZ	R007	TII	54LS165DM
SN54LS165W	LST	SRG	SHIFT REGISTER, 8 BIT, PISO	FLP16	+5V	125	36MA	25MXMHZ	R007	TII	54LS165FM
SN54LS166J	LST	SRG	SHIFT REGISTER,8 BIT,PISO/SIPO	DIL16C	+5V	125	38MA	25MXMHZ	R008	TII	-
SN54LS166W	LST	SRG	SHIFT REGISTER,8 BIT,PISO/SIPO	FLP16	+5V	125	38MA	25MXMHZ	R008	TII	-
SN54LS168AJ	LST	CTR	COUNTER,4 BT,DEC,UP/DOWN, SYNC	DIL16C	+5V	125	34MA	25MXMHZ	C006	TII	S54LS168AF
SN54LS168AW	LST	CTR	COUNTER,4 BT,DEC,UP/DOWN, SYNC	FLP16	+5V	125	34MA	25MXMHZ	C006	TII	S54LS168AW
SN54LS168J	LST	CTR	COUNTER,4 BT,DEC,UP/DOWN, SYNC	DIL16C	+5V	125	34MA	25MXMHZ	C006	TII	DM54LS168J
SN54LS168W	LST	CTR	COUNTER,4 BT,DEC,UP/DOWN, SYNC	FLP16	+5V	125	34MA	25MXMHZ	C006	TII	DM54LS168W
SN54LS169AJ	LST	CTR	COUNTER,UP/DOWN,4 BIT BIN,SYNC	DIL16C	+5V	125	34MA	25MXMHZ	C006	TII	S54LS169AF
SN54LS169AW	LST	CTR	COUNTER,UP/DOWN,4 BIT BIN,SYNC	FLP16	+5V	125	34MA	25MXMHZ	C006	TII	S54LS169AW
SN54LS169J	LST	CTR	COUNTER,UP/DOWN,4 BIT BIN,SYNC	DIL16C	+5V	125	34MA	25MXMHZ	C006	TII	DM54LS169J
SN54LS169W	LST	CTR	COUNTER,UP/DOWN,4 BIT BIN,SYNC	FLP16	+5V	125	34MA	25MXMHZ	C006	TII	DM54LS169W
SN54LS170J	LST	MEM	RAM, SIM READ/WRITE,4X4 BIT,OC	DIL16C	+5V	125	40MA	45MXNS	R009	TII	DM54LS170J
SN54LS170W	LST	MEM	RAM, SIM READ/WRITE,4X4 BIT,OC	FLP16	+5V	125	40MA	45MXNS	R009	TII	DM54LS170W
SN54LS173AJ	LST	FFD	FF/D, EDGE TRIG,COMM R/CK, HEX	DIL16C	+5V	125	30MA	30MXMHZ	F025	TII	-
SN54LS173AW	LST	FFD	FF/D, EDGE TRIG,COMM R/CK, HEX	FLP16	+5V	125	30MA	30MXMHZ	F025	TII	-
SN54LS173J	LST	FFD	FF/D,LATCH,BUFF REG,4 BT,3S OP	DIL16C	+5V	125	28MA	30MXMHZ	R010	TII	DM54LS173J
SN54LS173W	LST	FFD	FF/D,LATCH,BUFF REG,4 BT,3S OP	FLP16	+5V	125	28MA	30MXMHZ	R010	TII	DM54LS173W
SN54LS174J	LST	FFD	FF/D, EDGE TRIG,COMM R/CK, HEX	DIL16C	+5V	125	26MA	30MXMHZ	F025	TII	DM54LS174J
SN54LS174W	LST	FFD	FF/D, EDGE TRIG,COMM R/CK, HEX	FLP16	+5V	125	26MA	30MXMHZ	F025	TII	DM54LS174W
SN54LS175J	LST	FFD	FF/D, ET,COM R/CK,COMP OP,QUAD	DIL16C	+5V	125	18MA	30MXMHZ	F026	TII	DM54LS175J
SN54LS175W	LST	FFD	FF/D, ET,COM R/CK,COMP OP,QUAD	FLP16	+5V	125	18MA	30MXMHZ	F026	TII	DM54LS175W
SN54LS181J	LST	ARI	ALU/FUNCTION-GENERATOR,4 BIT	DIL24C	+5V	125	35MA	50MXNS	Z010	TII	54LS181DM
SN54LS181W	LST	ARI	ALU/FUNCTION-GENERATOR,4 BIT	FLP24	+5V	125	35MA	50MXNS	Z010	TII	54LS181FM
SN54LS183J	LST	ADD	ADDER,FULL, CARRY-SAVE, DUAL	DIL14C	+5V	125	14MA	33MXNS	Z011	TII	-
SN54LS183W	LST	ADD	ADDER,FULL, CARRY-SAVE, DUAL	FLP14	+5V	125	14MA	33MXNS	Z001	TII	-
SN54LS189J	LST	MEM	RAM, 64=16X4 BIT, 3S INV OP	DIL16C	+5V	125	40MA	60MXNS	S001	TII	54LS189DM
SN54LS189W	LST	MEM	RAM, 64=16X4 BIT, 3S INV OP	FLP16	+5V	125	40MA	60MXNS	S001	TII	54LS189FM
SN54LS190J	LST	CTR	COUNTER,DEC,UP/DWN,SYNC,PRESET	DIL16C	+5V	125	35MA	52MXNS	C008	TII	DM54LS190J
SN54LS190W	LST	CTR	COUNTER,DEC,UP/DWN,SYNC,PRESET	FLP16	+5V	125	35MA	52MXNS	C008	TII	DM54LS190W
SN54LS191J	LST	CTR	COUNTER, 4 BT HEX, UP/DWN,SYNC	DIL16C	+5V	125	35MA	52MXNS	C008	TII	DM54LS191J
SN54LS191W	LST	CTR	COUNTER, 4 BT HEX, UP/DWN,SYNC	FLP16	+5V	125	35MA	52MXNS	C008	TII	DM54LS191W
SN54LS192AJ	LST	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	DIL16C	+5V	125	-	-	C009	TII	-
SN54LS192AW	LST	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	FLP16	+5V	125	-	-	C009	TII	-
SN54LS192J	LST	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	DIL16C	+5V	125	34MA	25MXMHZ	C009	TII	DM54LS192J
SN54LS192N	LST	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	DIL16P	+5V	125	34MA	25MXMHZ	C009	TII	54LS192DM
SN54LS192W	LST	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	FLP16	+5V	125	34MA	25MXMHZ	C009	TII	DM54LS192W
SN54LS193J	LST	CTR	COUNTER,HEX,UP/DWN,SYNC,2CK,3S	DIL16C	+5V	125	34MA	30MXMHZ	C009	TII	DM54LS193J
SN54LS193W	LST	CTR	COUNTER,HEX,UP/DWN,SYNC,2CK,3S	FLP16	+5V	125	34MA	30MXMHZ	C009	TII	DM54LS193W
SN54LS194AJ	LST	SRG	SHIFT REGISTER,4 BIT,L/R, PIPO	DIL16C	+5V	125	23MA	25MXMHZ	R013	TII	54LS194ADM
SN54LS194AW	LST	SRG	SHIFT REGISTER,4 BIT,L/R, PIPO	FLP16	+5V	125	23MA	25MXMHZ	R013	TII	54LS194AFM
SN54LS195AJ	LST	SRG	SHIFT REGISTER,4 BIT, PIPO	DIL16C	+5V	125	21MA	30MXMHZ	R014	TII	54LS195ADM
SN54LS195AW	LST	SRG	SHIFT REGISTER,4 BIT, PIPO	FLP16	+5V	125	21MA	30MXMHZ	R014	TII	54LS195AFM
SN54LS196J	LST	CTR	COUNTER,DEC,BCD/BIQUIN,RIPPLE	DIL14C	+5V	125	27MA	30MXMHZ	C010	TII	DM54LS196J
SN54LS196W	LST	CTR	COUNTER,DEC,BCD/BIQUIN,RIPPLE	FLP14	+5V	125	27MA	30MXMHZ	C010	TII	DM54LS196W
SN54LS197J	LST	CTR	COUNTER,HEXADEC,4 BIT, RIPPLE	DIL14C	+5V	125	27MA	30MXMHZ	C010	TII	DM54LS197J
SN54LS197W	LST	CTR	COUNTER,HEXADEC,4 BIT, RIPPLE	FLP14	+5V	125	27MA	30MXMHZ	C010	TII	DM54LS197W
SN54LS200AJ	LST	MEM	RAM, 256=256X1 BT, 3S OP	DIL16C	+5V	125	-	-	S009	TII	-
SN54LS200AW	LST	MEM	RAM, 256=256X1 BT, 3S OP	FLP16	+5V	125	-	-	S009	TII	-
SN54LS202AJ	LST	MEM	RAM,256=256X1 BT,3S,POWER DOWN	DIL16C	+5V	125	-	-	S009	TII	-
SN54LS202J	LST	MEM	RAM,256=256X1 BT,3S,POWER DOWN	DIL16C	+5V	125	-	-	S009	TII	-
SN54LS207J	LST	MEM	RAM,1K=256X4 BIT,3S, COMMON IO	DIL16C	+5V	125	-	-	Z030	TII	-
SN54LS208J	LST	MEM	RAM,1K=256X4 BT,3S,SEPARATE IO	DIL20C	+5V	125	-	-	Z031	TII	-
SN54LS214JD	LST	MEM	RAM,1K=1024X1 BT,3S,CHP SELECT	DIL16C	+5V	125	-	-	S010	TII	-
SN54LS215JD	LST	MEM	RAM,1K=1024X1 BT,3S,POWER DOWN	DIL16C	+5V	125	-	-	S010	TII	-
SN54LS219J	LST	MEM	RAM,64=16X4 BIT, 3S NON-INV OP	DIL16C	+5V	125	40MA	60MXNS	S008	TII	-
SN54LS219W	LST	MEM	RAM,64=16X4 BIT, 3S NON-INV OP	FLP16	+5V	125	40MA	60MXNS	S008	TII	-
SN54LS221J	LST	MON	MONOSTABLE MULTI,SCHMITT, DUAL	DIL16C	+5V	125	27MA	80MXNS	U003	TII	S54LS221F
SN54LS221W	LST	MON	MONOSTABLE MULTI,SCHMITT, DUAL	FLP16	+5V	125	27MA	80MXNS	U003	TII	S54LS221W
SN54LS240J	LST	LND	LINE DRIVER,3S,INV,LO EN,OCTAL	DIL20C	+5V	125	50MA	30MXNS	B004	TII	DM54LS240J

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
SN54LS241J	LST	LND	LINE DRIVER,3S,DIR,LO EN,OCTAL	DIL20C	+5V	125	54MA	30MXNS	B005	TII	DM54LS241J
SN54LS242J	LST	TRX	TRANSCVR,BUS,BIDIR INV,3S,QUAD	DIL14C	+5V	125	50MA	30MXNS	T001	TII	DM54LS242J
SN54LS242W	LST	TRX	TRANSCVR,BUS,BIDIR INV,3S,QUAD	FLP14	+5V	125	50MA	30MXNS	T001	TII	54LS242FW
SN54LS243J	LST	TRX	TRANSCEIVER,BUS,NONINV,3S,QUAD	DIL14C	+5V	125	54MA	30MXNS	T002	TII	DM54LS243J
SN54LS243W	LST	TRX	TRANSCEIVER,BUS,NONINV,3S,QUAD	FLP14	+5V	125	54MA	30MXNS	T002	TII	54LS243FM
SN54LS244J	LST	LND	LINE DRIVER,3S OP,LO EN OCTAL	DIL20C	+5V	125	54MA	30MXNS	B006	TII	DM54LS244J
SN54LS245J	LST	TRX	TRANSCVR,BUS,NON INV 3S, OCTAL	DIL20C	+5V	125	95MA	40MXNS	T003	TII	54LS245DM
SN54LS247J	LST	DSP	DISPLAY DRIVER,BCD-7SGT,15V,OC	DIL16C	+5V	125	13MA	100MXNS	D018	TII	DM54LS247J
SN54LS247W	LST	DSP	DISPLAY DRIVER,BCD-7SGT,15V,OC	FLP16	+5V	125	13MA	100MXNS	D018	TII	DM54LS247W
SN54LS248J	LST	DSP	DISPLAY DRIVER,BCD-7SG,2K,5.5V	DIL16C	+5V	125	38MA	100MXNS	D011	TII	DM54LS248J
SN54LS248W	LST	DSP	DISPLAY DRIVER,BCD-7SG,2K,5.5V	FLP16	+5V	125	38MA	100MXNS	D011	TII	DM54LS248W
SN54LS249J	LST	DSP	DISPLAY DRIVER,BCD-7SG,OC,5.5V	DIL16C	+5V	125	15MA	100MXNS	D011	TII	DM54LS249J
SN54LS249W	LST	DSP	DISPLAY DRIVER,BCD-7SG,OC,5.5V	FLP16	+5V	125	15MA	100MXNS	D011	TII	DM54LS249W
SN54LS251J	LST	SEL	MUX/DATA SELECTOR,8-1 LINE, 3S	DIL16C	+5V	125	12MA	55MXNS	M007	TII	54LS251DM
SN54LS251W	LST	SEL	MUX/DATA SELECTOR,8-1 LINE, 3S	FLP16	+5V	125	12MA	55MXNS	M007	TII	54LS251FM
SN54LS253J	LST	SEL	MUX/DATA SELECTR,4-1LN,3S,DUAL	DIL16C	+5V	125	14MA	45MXNS	M008	TII	DM54LS253J
SN54LS253W	LST	SEL	MUX/DATA SELECTR,4-1LN,3S,DUAL	FLP16	+5V	125	14MA	45MXNS	M008	TII	DM54LS253W
SN54LS257AJ	LST	SEL	MUX/DATA SELECTR,2-1LN,3S,QUAD	DIL16C	+5V	125	19MA	30MXNS	M009	TII	S54LS257AF
SN54LS257AW	LST	SEL	MUX/DATA SELECTR,2-1LN,3S,QUAD	FLP16	+5V	125	19MA	30MXNS	M009	TII	S54LS257AW
SN54LS258AJ	LST	SEL	MUX/DATA SELECTR,INV-OP-54257	DIL16C	+5V	125	19MA	30MXNS	M010	TII	S54LS258AF
SN54LS258AW	LST	SEL	MUX/DATA SELECTR,INV-OP-54257	FLP16	+5V	125	19MA	30MXNS	M010	TII	S54LS258AW
SN54LS259J	LST	LCH	LATCH,ADDRESSABLE,8 BIT,RESET	DIL16C	+5V	125	36MA	38MXNS	L004	TII	54LS259DM
SN54LS259W	LST	LCH	LATCH,ADDRESSABLE,8 BIT,RESET	FLP16	+5V	125	36MA	38MXNS	L004	TII	54LS259FM
SN54LS261J	LST	MLT	MULTIPLIER,BINARY,4X2 BIT,PISO	DIL16C	+5V	125	38MA	42MXNS	Z032	TII	54LS261DM
SN54LS261W	LST	MLT	MULTIPLIER,BINARY,4X2 BIT,PISO	FLP16	+5V	125	38MA	42MXNS	Z032	TII	54LS261FM
SN54LS266J	LST	XNR	EXCLUSIVE NOR,2 IP,OC OP, QUAD	DIL14C	+5V	125	13MA	30MXNS	X003	TII	DM54LS266J
SN54LS266W	LST	XNR	EXCLUSIVE NOR,2 IP,OC OP, QUAD	FLP14	+5V	125	13MA	30MXNS	X003	TII	DM54LS266W
SN54LS273J	LST	FFD	FF/D, COMMON R/CK, OCTAL	DIL20C	+5V	125	27MA	30MXMHZ	R017	TII	54LS273DM
SN54LS275J	LST	XXX	WALLACE TREE,7 BIT SLICE,3S OP	DIL16C	+5V	125	40MA	66MXNS	Z034	TII	-
SN54LS279J	LST	FFR	FF/RS, LATCH, QUAD	DIL16C	+5V	125	7MA	27MXNS	L005	TII	DM54LS279J
SN54LS279W	LST	FFR	FF/RS, LATCH, QUAD	FLP16	+5V	125	7MA	27MXNS	L005	TII	DM54LS279W
SN54LS280J	LST	PAR	PARITY GENERATOR/CHECKER,9 BIT	DIL14C	+5V	125	27MA	50MXNS	Z012	TII	-
SN54LS280W	LST	PAR	PARITY GENERATOR/CHECKER,9 BIT	FLP14	+5V	125	27MA	50MXNS	Z012	TII	-
SN54LS283J	LST	ADD	ADDER,FULL,4 BT,BIN,FAST CARRY	DIL16C	+5V	125	39MA	24MXNS	Z013	TII	DM54LS283J
SN54LS283W	LST	ADD	ADDER,FULL,4 BT,BIN,FAST CARRY	FLP16	+5V	125	39MA	24MXNS	Z013	TII	DM54LS283W
SN54LS289J	LST	MEM	RAM, 64=16X4 BIT,OC INV OP	DIL16C	+5V	125	40MA	60MXNS	S001	TII	54LS289DM
SN54LS289W	LST	MEM	RAM, 64=16X4 BIT,OC INV OP	FLP16	+5V	125	40MA	60MXNS	S001	TII	54LS289FM
SN54LS290J	LST	CTR	COUNTER,DECADE,2X5 DIV, RIPPLE	DIL14C	+5V	125	15MA	16MXMHZ	C011	TII	54LS290DM
SN54LS290W	LST	CTR	COUNTER,DECADE,2X5 DIV, RIPPLE	FLP14	+5V	125	15MA	16MXMHZ	C011	TII	54LS290FM
SN54LS293J	LST	CTR	COUNTER,4 BIT,2X8 DIV, RIPPLE	DIL14C	+5V	125	15MA	16MXMHZ	C012	TII	54LS293DM
SN54LS293W	LST	CTR	COUNTER,4 BIT,2X8 DIV, RIPPLE	FLP14	+5V	125	15MA	16MXMHZ	C012	TII	54LS293FM
SN54LS295BJ	LST	SRG	SHIFT REG,4 BIT,L/R,3S OP,PIPO	DIL14C	+5V	125	33MA	30MXMHZ	R018	TII	S54LS295BDM
SN54LS295BW	LST	SRG	SHIFT REG,4 BIT,L/R,3S OP,PIPO	FLP14	+5V	125	33MA	30MXMHZ	R018	TII	S54LS295BFM
SN54LS297J	LST	PLL	PHASE LOCKED LOOP, DIGITAL	DIL16C	+5V	125	-	-	Z999	TII	-
SN54LS297W	LST	PLL	PHASE LOCKED LOOP, DIGITAL	FLP16	+5V	125	-	-	Z999	TII	-
SN54LS298J	LST	MUX	MUX,2 IP,LATCH,INV CLOCK, QUAD	DIL16C	+5V	125	21MA	32MXNS	R019	TII	54LS298DM
SN54LS298W	LST	MUX	MUX,2 IP,LATCH,INV CLOCK, QUAD	FLP16	+5V	125	21MA	32MXNS	R019	TII	54LS298FM
SN54LS299J	LST	SRG	SHIFT REG,8 BIT,L/R SH,3S,PIPO	DIL20C	+5V	125	53MA	35MXMHZ	R020	TII	54LS299DM
SN54LS300AJ	LST	MEM	RAM,256=256X1 BIT, OC OP	DIL16C	+5V	125	-	-	S009	TII	-
SN54LS300AW	LST	MEM	RAM,256=256X1 BIT, OC OP	FLP16	+5V	125	-	-	S009	TII	-
SN54LS302AJ	LST	MEM	RAM,256=256X1 BT,OC,POWER DOWN	DIL16C	+5V	125	-	-	S009	TII	-
SN54LS302AW	LST	MEM	RAM,256=256X1 BT,OC,POWER DOWN	FLP16	+5V	125	-	-	S009	TII	-
SN54LS302J	LST	MEM	RAM,256=256X1 BT,OC,POWER DOWN	DIL16C	+5V	125	-	-	S009	TII	-
SN54LS302W	LST	MEM	RAM,256=256X1 BT,OC,POWER DOWN	FLP16	+5V	125	-	-	S009	TII	-
SN54LS314JD	LST	MEM	RAM,1K=1024X1 BT,OC,CHP SELECT	DIL16C	+5V	125	-	-	S010	TII	-
SN54LS315JD	LST	MEM	RAM,1K=1024X1 BT,OC,POWER DOWN	DIL16C	+5V	125	-	-	S010	TII	-
SN54LS319J	LST	MEM	RAM,64=16X4 BIT,OC NON-INV OP	DIL16C	+5V	125	40MA	60MXNS	S008	TII	-
SN54LS319W	LST	MEM	RAM,64=16X4 BIT,OC NON-INV OP	FLP16	+5V	125	40MA	60MXNS	S008	TII	-
SN54LS320J	LST	OSC	CRYSTAL OSC,1HZ-20MHZ	DIL20C	+5V	125	8MA	20MXMHZ	Z999	TII	-
SN54LS320W	LST	OSC	CRYSTAL OSC,1HZ-20MHZ	FLP20	+5V	125	8MA	20MXMHZ	Z999	TII	-
SN54LS321J	LST	OSC	CRYSTAL OSC,3S, F-F/2-F-4 OPS	DIL16C	+5V	125	8MA	20MXMHZ	Z999	TII	-
SN54LS321W	LST	OSC	CRYSTAL OSC,3S, F-F/2-F/4 OPS	FLP16	+5V	125	8MA	20MXMHZ	Z999	TII	-
SN54LS322J	LST	SRG	SHIFT REG,8 BIT,RIGHT EXTD, 3S	DIL20C	+5V	125	60MA	35MXMHZ	R021	TII	54LS322DM
SN54LS323J	LST	SRG	SHIFT REG,8 BIT,L/R,3S,PIPO	DIL20C	+5V	125	53MA	35MXMHZ	R022	TII	54LS323DM
SN54LS324J	LST	VCO	VOLTAGE CONTROLLED OSC, 2PH OP	DIL14C	+5V	125	30MA	10MXMHZ	V003	TII	-
SN54LS324W	LST	VCO	VOLTAGE CONTROLLED OSC, 2PH OP	FLP14	+5V	125	30MA	10MXMHZ	V003	TII	-
SN54LS325J	LST	VCO	VOLTAGE CONTR OSC, 2PH OP,DUAL	DIL16C	+5V	125	50MA	10MXMHZ	V004	TII	-
SN54LS325W	LST	VCO	VOLTAGE CONTR OSC, 2PH OP,DUAL	FLP16	+5V	125	50MA	10MXMHZ	V004	TII	-
SN54LS326J	LST	VCO	VCO,2PH OP,ENABLE CONTROL,DUAL	DIL16C	+5V	125	30MA	10MXMHZ	V005	TII	-
SN54LS326W	LST	VCO	VCO,2PH OP,ENABLE CONTROL,DUAL	FLP16	+5V	125	30MA	10MXMHZ	V005	TII	-
SN54LS327J	LST	VCO	VOLTAGE CONTRL OSC,1PH OP,DUAL	DIL14C	+5V	125	50MA	10MXMHZ	V006	TII	-
SN54LS327W	LST	VCO	VOLTAGE CONTRL OSC,1PH OP,DUAL	FLP14	+5V	125	50MA	10MXMHZ	V006	TII	-
SN54LS333J	LST	PLA	FPLA,12 IP EXPDBL,6 OP,32 TERM	DIL24C	+5V	125	-	-	Z999	TII	-
SN54LS333W	LST	PLA	FPLA,12 IP EXPDBL,6 OP,32 TERM	FLP24	+5V	125	-	-	Z999	TII	-
SN54LS334J	LST	PLA	FPLA,12 IP EXPDBL,6 OP,32 TERM	DIL24C	+5V	125	-	-	Z999	TII	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
SN54LS334W	LST	PLA	FPLA,12 IP EXPDBL,6 OP,32 TERM	FLP24	+5V	125	-	-	Z999	TII	-
SN54LS335J	LST	PLA	FPLA,12 IP EXPDBL,6 OP,32 TERM	DIL24C	+5V	125	-	-	Z999	TII	-
SN54LS335W	LST	PLA	FPLA,12 IP EXPDBL,6 OP,32 TERM	FLP24	+5V	125	-	-	Z999	TII	-
SN54LS336J	LST	PLA	FPLA,12 IP EXPDBL,6 OP,32 TERM	DIL24C	+5V	125	-	-	Z999	TII	-
SN54LS336W	LST	PLA	FPLA,12 IP EXPDBL,6 OP,32 TERM	FLP24	+5V	125	-	-	Z999	TII	-
SN54LS347J	LST	DCD	DECODER,BCD-7 SGT,OC,7V,DRIVER	DIL16C	+5V	125	13MA	100MXNS	D011	TII	54LS347DM
SN54LS347W	LST	DCD	DECODER,BCD-7 SGT,OC,7V.DRIVER	FLP16	+5V	125	13MA	100MXNS	D011	TII	54LS347FM
SN54LS348J	LST	DCD	DECODER, PRIORITY,8-3 LINE, 3S	DIL16C	+5V	125	25MA	55MXNS	M015	TII	-
SN54LS348W	LST	DCD	DECODER, PRIORITY,8-3 LINE, 3S	FLP16	+5V	125	25MA	55MXNS	M015	TII	-
SN54LS352J	LST	MUX	MUX/DATA SELECT,4-1LN,INV,DUAL	DIL16C	+5V	125	10MA	38MXNS	M011	TII	DM54LS52J
SN54LS352W	LST	MUX	MUX/DATA SELECT,4-1LN,INV,DUAL	FLP16	+5V	125	10MA	38MXNS	M011	TII	DM54LS352W
SN54LS353J	LST	MUX	MUX/DATA SEL,4-1LN,INV,3S,DUAL	DIL16C	+5V	125	14MA	45MXNS	M012	TII	DM54LS353J
SN54LS353W	LST	MUX	MUX/DATA SEL,4-1LN,INV,3S,DUAL	FLP16	+5V	125	14MA	45MXNS	M012	TII	DM54LS353W
SN54LS354J	LST	MUX	MUX/DATA SELECT,8-1LN,REGR, 3S	DIL20C	+5V	125	46MA	60MXNS	Z999	TII	-
SN54LS355J	LST	MUX	MUX/DATA SELECT,8-1LN,REGR, OC	DIL20C	+5V	125	46MA	66MXNS	Z999	TII	-
SN54LS356J	LST	MUX	MUX/DATA SELECT 4-1LN D REG.3S	DIL20C	+5V	125	46MA	60MXNS	Z999	TII	-
SN54LS357J	LST	MUX	MUX/DATA SELECT,8-1LN,D REG,OC	DIL20C	+5V	125	46MA	66MXNS	Z999	TII	-
SN54LS363J	LST	LCH	LATCH,TRANSPARENT,3S OP, OCTAL	DIL20C	+5V	125	70MA	36MXNS	L006	TII	S54LS363DM
SN54LS364J	LST	FFD	FF/D, EDGE TRIG,3S OP, OCTAL	DIL20C	+5V	125	70MA	36MXNS	F027	TII	S54LS364F
SN54LS365AJ	LST	LND	LINE DRIVER, 3S NON INV OP,HEX	DIL16C	+5V	125	24MA	40MXNS	B007	TII	54LS365ADM
SN54LS365AW	LST	LND	LINE DRIVER, 3S NON INV OP,HEX	FLP16	+5V	125	24MA	40MXNS	B007	TII	54LS365AFM
SN54LS365J	LST	LND	LINE DRIVER, 3S NON INV OP,HEX	DIL16C	+5V	125	28MA	37MXNS	B007	TII	DM54LS365AJ
SN54LS365W	LST	LND	LINE DRIVER, 3S NON INV OP,HEX	FLP16	+5V	125	28MA	37MXNS	B007	TII	DM54LS365W
SN54LS366AJ	LST	LND	LINE DRIVER, 3S INV OP, HEX	DIL16C	+5V	125	21MA	45MXNS	B008	TII	54LS366ADM
SN54LS366AW	LST	LND	LINE DRIVER, 3S INV OP, HEX	FLP16	+5V	125	21MA	45MXNS	B008	TII	54LS366AFM
SN54LS366J	LST	LND	LINE DRIVER, 3S INV OP, HEX	DIL16C	+5V	125	26MA	37MXNS	B008	TII	DM54LS365J
SN54LS366W	LST	LND	LINE DRIVER, 3S INV OP, HEX	FLP16	+5V	125	26MA	37MXNS	B008	TII	DM54LS366W
SN54LS367AJ	LST	LND	LINE DRIVER, 3S,2 ENABLE, HEX	DIL16C	+5V	125	24MA	40MXNS	B009	TII	54LS367ADM
SN54LS367AW	LST	LND	LINE DRIVER 3S,2 ENABLE, HEX	FLP16	+5V	125	24MA	40MXNS	B009	TII	54LS367AFM
SN54LS367J	LST	LND	LINE DRIVER, 3S,2 ENABLE, HEX	DIL16C	+5V	125	28MA	37MXNS	B014	TII	DM54LS367J
SN54LS367W	LST	LND	LINE DRIVER, 3S,2 ENABLE, HEX	FLP16	+5V	125	28MA	37MXNS	B014	TII	DM54LS367W
SN54LS368AJ	LST	LND	LINE DRIVER, 3S,2 EN,INV, HEX	DIL16C	+5V	125	21MA	45MXNS	B009	TII	54LS368ADM
SN54LS368AW	LST	LND	LINE DRIVER, 3S,2 EN,INV, HEX	FLP16	+5V	125	21MA	45MXNS	B009	TII	54LS368AFM
SN54LS368J	LST	LND	LINE DRIVER, 3S,2 EN,INV, HEX	DIL16C	+5V	125	26MA	37MXNS	B009	TII	DM54LS368J
SN54LS368W	LST	LND	LINE DRIVER, 3S,2 EN,INV, HEX	FLP16	+5V	125	26MA	37MXNS	B009	TII	DM54LS368W
SN54LS373J	LST	LCH	LATCH, LO VOH 54363, OCTAL	DIL20C	+5V	125	40MA	36MXNS	L006	TII	DM54LS373J
SN54LS374J	LST	FFD	FF/D, LO VOH 54364, OCTAL	DIL20C	+5V	125	40MA	35MXMHZ	F027	TII	DM54LS374J
SN54LS375J	LST	FFD	FF/D, DIFFT PINOUT 5475, QUAD	DIL16C	+5V	125	12MA	30MXNS	L007	TII	54LS375DM
SN54LS375W	LST	FFD	FF/D, DIFFT PINOUT 5475, QUAD	FLP16	+5V	125	12MA	30MXNS	L007	TII	54LS375FM
SN54LS377J	LST	FFD	FF/D, COMMON EN + CLK, OCTAL	DIL20C	+5V	125	28MA	30MXMHZ	F028	TII	54LS377DM
SN54LS378J	LST	FFD	FF/D, COMMON ENABLE, HEX	DIL16C	+5V	125	22MA	30MXMHZ	R023	TII	54LS378DM
SN54LS379J	LST	FFD	FF/D, COMMON ENABLE, QUAD	DIL16C	+5V	125	15MA	30MXMHZ	R024	TII	54LS379DM
SN54LS381J	LST	ALU	ALU, FUNCTION GEN,4 BIT, LAHCG	DIL20C	+5V	125	-	-	Z038	TII	-
SN54LS382J	LST	ALU	ALU,FUNCTION GEN,4 BT,OVERFLOW	DIL20C	+5V	125	-	-	Z038	TII	-
SN54LS384J	LST	MLT	MULTIPLIER,8X1 BT,2-S COMPLEMT	DIL16C	+5V	125	155MA	25MXMHZ	Z014	TII	54LS384DM
SN54LS384W	LST	MLT	MULTIPLIER,8X1 BT,2-S COMPLEMT	FLP16	+5V	125	155MA	25MXMHZ	Z014	TII	54LS384FM
SN54LS385J	LST	ADD	ADDER/SUBTRACTER,SERIAL, QUAD	DIL20C	+5V	125	75MA	30MXMHZ	Z039	TII	-
SN54LS385W	LST	ADD	ADDER/SUBTRACTER,SERIAL, QUAD	FLP20	+5V	125	75MA	30MXMHZ	Z039	TII	-
SN54LS386J	LST	XOR	EXCLUSIVE-OR, 2 IP, QUAD	DIL14C	+5V	125	10MA	30MXNS	X007	TII	DM54LS386J
SN54LS386W	LST	XOR	EXCLUSIVE-OR, 2 IP, QUAD	FLP14	+5V	125	10MA	30MXNS	X007	TII	DM54LS386W
SN54LS390J	LST	CTR	COUNTER,DECADE,2X5 DIV,UP,DUAL	DIL16C	+5V	125	26MA	20MXMHZ	C013	TII	54LS390DM
SN54LS390W	LST	CTR	COUNTER,DECADE,2X5 DIV,UP,DUAL	FLP16	+5V	125	26MA	20MXMHZ	C013	TII	54LS390FM
SN54LS393J	LST	CTR	COUNTER,BINARY,2X8 DIV,UP,DUAL	DIL14C	+5V	125	26MA	25MXMHZ	C014	TII	54LS393DM
SN54LS393W	LST	CTR	COUNTER,BINARY,2X8 DIV,UP,DUAL	FLP14	+5V	125	26MA	25MXMHZ	C014	TII	54LS393FM
SN54LS395AJ	LST	SRG	SHIFT REG, 4 BIT,3S OP, PIPO	DIL16C	+5V	125	34MA	30MXMHZ	R025	TII	S54LS395AF
SN54LS395AW	LST	SRG	SHIFT REG, 4 BIT,3S OP, PIPO	FLP16	+5V	125	34MA	30MXMHZ	R025	TII	S54LS395AW
SN54LS395J	LST	SRG	SHIFT REG, 4 BIT,3S OP, PIPO	DIL16C	+5V	125	29MA	25MXMHZ	R025	TII	54LS395DM
SN54LS395W	LST	SRG	SHIFT REG, 4 BIT,3S OP, PIPO	FLP16	+5V	125	29MA	25MXMHZ	R025	TII	54LS395FM
SN54LS396J	LST	SRG	SHIFT REG, 2 STAGE,4 BIT WIDE	DIL16C	+5V	125	40MA	30MXNS	R040	TII	-
SN54LS396W	LST	SRG	SHIFT REG, 2 STAGE,4 BIT WIDE	FLP16	+5V	125	40MA	30MXNS	R040	TII	-
SN54LS398J	LST	MUX	MUX,2 IP,LATCH,2 RAIL OP, QUAD	DIL20C	+5V	125	13MA	32MXNS	M018	TII	S54LS398F
SN54LS399J	LST	MUX	MUX, 2 IP,LATCH,1 RAIL OP,QUAD	DIL16C	+5V	125	13MA	32MXNS	M019	TII	S54LS399F
SN54LS399W	LST	MUX	MUX, 2 IP,LATCH,1 RAIL OP,QUAD	FLP16	+5V	125	13MA	32MXNS	M019	TII	S54LS399W
SN54LS422J	LST	MON	MONOSTABLE,MULTI,NO TRIG FM R	DIL14C	+5V	125	-	-	Z999	TII	-
SN54LS423J	LST	MON	MONO,MULTI,NO TRIG FM R, DUAL	DIL16C	+5V	125	-	-	Z999	TII	-
SN54LS440J	LST	TRX	TRANSCVR,BUS,TRIDIR,OC, QUAD	DIL20C	+5V	125	96MA	50MXNS	Z999	TII	-
SN54LS441J	LST	TRX	TRANSCVR,BUS,TRID,OC INV, QUAD	DIL20C	+5V	125	96MA	40MXNS	Z999	TII	-
SN54LS442J	LST	TRX	TRANSCVR,BUS,TRID,3S,DIR, QUAD	DIL20C	+5V	125	95MA	42MXNS	T006	TII	-
SN54LS443J	LST	TRX	TRANSCVR,BUS,TRID,3S,INV, QUAD	DIL20C	+5V	125	95MA	42MXNS	T006	TII	-
SN54LS444J	LST	TRX	TRSCVR,BUS,TRD,3S,INV/DIR,QUAD	DIL20C	+5V	125	95MA	42MXNS	T006	TII	-
SN54LS445J	LST	DVR	DRIVER, 80MA,LO VOLTAGE 74145	DIL16C	+5V	125	13MA	50MXNS	D001	TII	S54LS445F
S54LS445W	LST	DVR	DRIVER, 80MA,LO VOLTAGE 74145	FLP16	+5V	125	13MA	50MXNS	D001	SIG	-
SN54LS446J	LST	TRX	TRANSCVR,BUS,SEP DIR CTRL,QUAD	DIL20C	+5V	125	-	-	Z999	TII	-
SN54LS447J	LST	DSP	DISPLAY DRIVER,BCD-7 SGT,7V,OC	DIL16C	+5V	125	13MA	100MXNS	D002	TII	54LS447DM
SN54LS447W	LST	DSP	DISPLAY DRIVER,BCD-7 SGT,7V,OC	FLP16	+5V	125	13MA	100MXNS	D002	TII	54LS447FM

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
SN54LS448J	LST	TRX	TRANSCVR,BUS,TRIDIR,OC INV/DIR	DIL20C	+5V	125	96MA	40MXNS	Z999	TII	-
SN54LS449J	LST	TRX	TRNSCVR,BUS,INDIV CONTROL,QUAD	DIL20C	+5V	125	-	-	Z999	TII	-
SN54LS484J	LST	CVR	CONVERTER,BCD-BINARY, 3S	DIL20C	+5V	125	-	-	Z999	TII	-
SN54LS485J	LST	CVR	CONVERTER,BINARY-BCD, 3S	DIL20C	+5V	125	-	-	Z999	TII	-
SN54LS490J	LST	CTR	COUNTER,4 BT,DECAD,RIPPLE,DUAL	DIL16C	+5V	125	70MA	25MXMHZ	C015	TII	54LS490DM
SN54LS490W	LST	CTR	COUNTER,4 BT,DECAD,RIPPLE,DUAL	FLP16	+5V	125	70MA	25MXMHZ	C015	TII	54LS490FM
SN54LS540J	LST	LND	LINE DRIVER,DIFFT PINOUT 54240	DIL20C	+5V	125	50MA	30MXNS	B010	TII	54LS540DM
SN54LS541J	LST	LND	LINE DRIVER,DIFFT PINOUT 54241	DIL20C	+5V	125	54MA	30MXNS	B011	TII	54LS541DM
SN54LS590J	LST	CTR	COUNTER WITH LATCH	DIL--C	+5V	125	-	-	Z999	TII	-
SN54LS591J	LST	CTR	COUNTER WITH LATCH	DIL--C	+5V	125	-	-	Z999	TII	-
SN54LS592J	LST	CTR	COUNTER WITH LATCH	DIL--C	+5V	125	-	-	Z999	TII	-
SN54LS593J	LST	CTR	COUNTER WITH LATCH	DIL--C	+5V	125	-	-	Z999	TII	-
SN54LS594J	LST	CTR	COUNTER WITH LATCH	DIL--C	+5V	125	-	-	Z999	TII	-
SN54LS595J	LST	SRG	SHIFT REGISTER WITH LATCH	DIL--C	+5V	125	-	-	Z999	TII	-
SN54LS596J	LST	SRG	SHIFT REGISTER WITH LATCH	DIL--C	+5V	125	-	-	Z999	TII	-
SN54LS597J	LST	SRG	SHIFT REGISTER WITH LATCH	DIL--C	+5V	125	-	-	Z999	TII	-
SN54LS598J	LST	SRG	SHIFT REGISTER WITH LATCH	DIL--C	+5V	125	-	-	Z999	TII	-
SN54LS600J	LST	MIC	MEMORY TIMER/CTRLR,4/16K,TRANS	DIL20C	+5V	125	-	-	Z043	TII	-
SN54LS601J	LST	MIC	MEMORY TIMER/CTRLR,64K,TRANS	DIL20C	+5V	125	-	-	Z999	TII	-
SN54LS602J	LST	MIC	MEMORY TIMER/CTRLR,4/16K	DIL20C	+5V	125	-	-	Z999	TII	-
SN54LS603J	LST	MIC	MEMORY TIMER/CTRLR,64K	DIL20C	+5V	125	-	-	Z999	TII	-
SN54LS604J	LST	MUX	MUX,16 TO 8,HIGH SPEED, 3S OP	DIL28C	+5V	125	70MA	40MXNS	M021	TII	-
SN54LS605J	LST	MUX	MUX,16 TO 8,HIGH SPEED,OC OP	DIL28C	+5V	125	70MA	60MXNS	M021	TII	-
SN54LS606J	LST	MUX	MUX,16 TO 8,NORM SPEED, 3S OP	DIL28C	+5V	125	70MA	50MXNS	M021	TII	-
SN54LS607J	LST	MUX	MUX,16 TO 8,NORM SPEED, OC OP	DIL28C	+5V	125	70MA	70MXNS	M021	TII	-
SN54LS608J	LST	MIC	MEMORY CYCLE CONTROLLER, 3S OP	DIL16C	+5V	125	-	-	Z044	TII	-
SN54LS610J	LST	MIC	MEMORY MAPPER, WITH LATCH, 3S	DIL40C	+5V	125	-	-	Z045	TII	-
SN54LS611J	LST	MIC	MEMORY MAPPER,WITH LATCH, OC	DIL40C	+5V	125	-	-	Z999	TII	-
SN54LS612J	LST	MIC	MEMORY MAPPER,W/O LATCH, 3S OP	DIL40C	+5V	125	-	-	Z999	TII	-
SN54LS613J	LST	MIC	MEMORY MAPPER,W/O LATCH, OC OP	DIL40C	+5V	125	-	-	Z999	TII	-
SN54LS620J	LST	TRX	TRCVR,DUAL CONTRL,INV,3S,OCTAL	DIL20C	+5V	125	95MA	40MXNS	Z999	TII	-
SN54LS621J	LST	TRX	TRCVR,DUAL CONTRL,DIR,OC,OCTAL	DIL20C	+5V	125	90MA	50MXNS	Z999	TII	-
SN54LS622J	LST	TRX	TRCVR,DUAL CONTRL,INV,OC,OCTAL	DIL20C	+5V	125	90MA	60MXNS	Z999	TII	-
SN54LS623J	LST	TRX	TRCVR,DUAL CONTRL,DIR,3S,OCTAL	DIL20C	+5V	125	95MA	40MXNS	Z999	TII	-
SN54LS624J	LST	VCO	VOLTAGE CONTROLLED OSC, 2PH OP	DIL14C	+5V	125	-	-	Z999	TII	-
SN54LS625J	LST	VCO	VOLTAGE CONTR OSC, 2PH OP,DUAL	DIL16C	+5V	125	-	-	Z999	TII	-
SN54LS626J	LST	VCO	VCO,2PH OP,ENABLE CONTROL,DUAL	DIL16C	+5V	125	-	-	Z999	TII	-
SN54LS627J	LST	VCO	VOLTAGE CONTRL OSC,1PH OP,DUAL	DIL14C	+5V	125	-	-	Z999	TII	-
SN54LS628J	LST	VCO	VOLTAGE CONTROLLED OSCILLATOR	DIL14C	+5V	125	-	-	Z999	TII	-
SN54LS629J	LST	VCO	VCO (IMPROVED 54124)	DIL16C	+5V	125	-	-	Z999	TII	-
SN54LS630J	LST	PAR	ERROR CORRECTION CCTS,16BT PAR	DIL28C	+5V	125	-	-	Z999	TII	-
SN54LS631J	LST	PAR	ERROR CORRECTION CCTS,16BT PAR	DIL28C	+5V	125	-	-	Z999	TII	-
SN54LS638J	LST	TRX	TRCVR,BUS, OC+3S OPS,INV,OCTAL	DIL20C	+5V	125	-	-	Z999	TII	-
SN54LS639J	LST	TRX	TRCVR,BUS, OC+3S OPS,DIR,OCTAL	DIL20C	+5V	125	-	-	Z999	TII	-
SN54LS640J	LST	TRX	TRANSCEIVER, BUS,3S,INV, OCTAL	DIL20C	+5V	125	95MA	40MXNS	T007	TII	-
SN54LS641J	LST	TRX	TRANSCEIVER, BUS,OC,DIR, OCTAL	DIL20C	+5V	125	95MA	50MXNS	T003	TII	-
SN54LS642J	LST	TRX	TRANSCEIVER,BUS,OC INV, OCTAL	DIL20C	+5V	125	95MA	60MXNS	T007	TII	-
SN54LS643J	LST	TRX	TRANSCVR,BUS,DIR/INV,3S, OCTAL	DIL20C	+5V	125	95MA	40MXNS	Z999	TII	-
SN54LS644J	LST	TRX	TRANSCVR,BUS,DIR/INV,OC, OCTAL	DIL20C	+5V	125	95MA	60MXNS	Z999	TII	-
SN54LS645J	LST	TRX	TRANSCEIVER,BUS, OCTAL	DIL20C	+5V	125	95MA	40MXNS	Z993	TII	-
SN54LS646J	LST	TRX	TRANSCVR,REG,NON INV,3S, OCTAL	DIL24C	+5V	125	-	-	Z999	TII	-
SN54LS647J	LST	TRX	TRANSCVR,REG,NON INV,OC, OCTAL	DIL24C	+5V	125	-	-	Z999	TII	-
SN54LS648J	LST	TRX	TRANSCEIVER,REG,INV,3S, OCTAL	DIL24C	+5V	125	-	-	Z999	TII	-
SN54LS649J	LST	TRX	TRANSCEIVER,REG,DIR,OC, OCTAL	DIL24C	+5V	125	-	-	Z999	TII	-
SN54LS668J	LST	CTR	COUNTER, DECADE,4 BIT,UP/DOWN	DIL16C	+5V	125	34MA	25MXMHZ	C006	TII	-
SN54LS668W	LST	CTR	COUNTER, DECADE,4 BIT,UP/DOWN	FLP16	+5V	125	34MA	25MXMHZ	C006	TII	-
SN54LS669J	LST	CTR	COUNTER, BINARY,4 BIT,UP/DOWN	DIL16C	+5V	125	34MA	25MXMHZ	C006	TII	-
SN54LS669W	LST	CTR	COUNTER, BINARY,4 BIT,UP/DOWN	FLP16	+5V	125	34MA	25MXMHZ	C006	TII	-
SN54LS670J	LST	REG	REGISTER FILE,4X4 BIT, 3S OP	DIL16C	+5V	125	50MA	50MXNS	R029	TII	DM54LS670J
SN54LS670W	LST	REG	REGISTER FILE,4X4 BIT, 3S OP	FLP16	+5V	125	50MA	50MXNS	R029	TII	DM54LS670W
SN54LS671J	LST	SRG	SHIFT REGISTER WITH LATCH	DIL--C	+5V	125	-	-	Z999	TII	-
SN54LS671W	LST	SRG	SHIFT REGISTER WITH LATCH	FLP	+5V	125	-	-	Z999	TII	-
SN54LS672J	LST	SRG	SHIFT REGISTER WITH LATCH	DIL--C	+5V	125	-	-	Z999	TII	-
SN54LS672W	LST	SRG	SHIFT REGISTER WITH LATCH	FLP	+5V	125	-	-	Z999	TII	-
SN54LS673J	LST	SRG	SHIFT REG, 16 BIT,SISO+PO	DIL24C	+5V	125	80MA	20MXMHZ	R041	TII	-
SN54LS673W	LST	SRG	SHIFT REG, 16 BIT,SISO+PO	FLP24	+5V	125	80MA	20MXMHZ	R041	TII	-
SN54LS674J	LST	SRG	SHIFT REG, 16 BIT,PISO	DIL24C	+5V	125	40MA	20MXMHZ	R042	TII	-
SN54LS674W	LST	SRG	SHIFT REG, 16 BIT,PISO	FLP24	+5V	125	40MA	20MXMHZ	R042	TII	
SN54LS681J	LST	MIC	ACCUMULATOR, 4 BIT,BIN,PARALL	DIL20C	+5V	125	-	-	W003	TII	-
SN54LS682J	LST	CMP	COMPARATOR,MAGNITUDE,8 BIT	DIL20C	+5V	125	70MA	30MXNS		TII	-
SN54LS683J	LST	CMP	COMPARATOR,MAGNITUDE,8 BT, OC	DIL20C	+5V	125	70MA	45MXNS	Z999	TII	-
SN54LS684J	LST	CMP	COMPARATOR,MAGNITUDE,8 BT	DIL20C	+5V	125	65MA	30MXNS	Z046	TII	-
SN54LS685J	LST	CMP	COMPARATOR,MAGNITUDE, OC	DIL20C	+5V	125	65MA	45MXNS	Z999	TII	-
SN54LS686J	LST	CMP	COMPARATOR,MAGNITUDE, 8 BIT	DIL24C	+5V	125	75MA	30MXNS	Z999	TII	-
SN54LS687J	LST	CMP	COMPARATOR,MAGNITUDE,8 BIT,OC	DIL24C	+5V	125	75MA	35MXNS	Z999	TII	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
SN54LS688J	LST	CMP	COMPARATOR,MAGNITUDE, 8 BIT	DIL20C	+5V	125	65MA	23MXNS	Z999	TII	-
SN54LS689J	LST	CMP	COMPARATOR,MAGNITUDE, 8 BIT,OC	DIL20C	+5V	125	65MA	40MXNS	Z999	TII	-
SN54LS690J	LST	CTR	COUNTER,DEC,DIR R,SYNC,LTCH,3S	DIL20C	+5V	125	-	-	C021	TII	-
SN54LS691J	LST	CTR	COUNTER,HEX,DIR R,SYNC,LTCH,3S	DIL20C	+5V	125		-	C021	TII	-
SN54LS692J	LST	CTR	COUNTER,DEC,SYN R,SYNC,LTCH,3S	DIL20C	+5V	125		-	C021	TII	-
SN54LS693J	LST	CTR	COUNTER,HEX,SYN R,SYNC,LTCH,3S	DIL20C	+5V	125		-	C021	TII	-
SN54LS696J	LST	CTR	COUNTER,DEC,UP/DOWN,3S,DIR R	DIL20C	+5V	125		-	C022	TII	-
SN54LS697J	LST	CTR	COUNTER,HEX,UP/DOWN,3S,DIR R	DIL20C	+5V	125		-	C022	TII	-
SN54LS698J	LST	CTR	COUNTER,DEC,UP/DWN,3S, SYNC R	DIL20C	+5V	125		-	C022	TII	-
SN54LS699J	LST	CTR	COUNTER,HEX,UP/DWN,3S,SYNC R	DIL20C	+5V	125		-	C022	TII	-
SN54S00 SER	STL	-	ALTERNATE SOURCE SN54S00 SER	-	-	125	-	-	-	ADM	-
SN54S00 SER	STL	-	ALTERNATE SOURCE SN54S00 SER	-	-	125	-	-	-	MMI	-
SN54S00 SER	STL	-	ALTERNATE SOURCE SN54S00 SER	-	-	125	-	-	-	MOT	-
SN54S00 SER	STL	-	54S SERIES DETAILED SEPARATELY	-	-	125	-	-	-	TII	-
SN54S00J SER	STL	-	CER DIL STL SER DETAILED SEP.	DIL--C	-	125	-	-	-	TII	-
SN54S00N SER.	STL	-	PLASTIC DIL STL SERIES	DIL--P		125	-	-	-	TII	DM74S00N SER
SN54S00W SER	STL	-	FLP STL SERIES DETAILED SEPTLY	FLP---	-	125	-	-	-	TII	-
SN54S00J	STL	NAN	NAND, 2IP, QUAD	DIL14C	+5V	125	36MA	5MXNS	N001	TII	54S00DM
SN54S00W	STL	NAN	NAND, 2IP, QUAD	FLP14	+5V	125	36MA	5MXNS	N001	TII	54S00FM
SN54S02J	STL	NOR	NOR, 2IP, QUAD	DIL14C	+5V	125	45MA	5.5MXNS	Q001	TII	54S02DM
SN54S02W	STL	NOR	NOR, 2IP, QUAD	FLP14	+5V	125	45MA	5.5MXNS	Q001	TII	54S002FM
SN54S03J	STL	NAN	NAND, 2IP, OC OP, QUAD	DIL14C	+5V	125	36MA	7.5MXNS	N001	TII	54S03DM
SN54S03W	STL	NAN	NAND, 2IP, OC OP, QUAD	FLP14	+5V	125	36MA	7.5MXNS	N001	TII	54S03FM
SN54S04AJ	STL	INV	INVERTER, HEX	DIL14C	+5V	125	58MA	10MXNS	I001	TII	54S04ADM
SN54S04AW	STL	INV	INVERTER, HEX	FLP14	+5V	125	58MA	10MXNS	I001	TII	54S04AFM
SN54S04J	STL	INV	INVERTER, HEX	DIL14C	+5V	125	54MA	5MXNS	I001	TII	54S04DM
SN54S04W	STL	INV	INVERTER, HEX	FLP14	+5V	125	54MA	5MXNS	I001	TII	54S04FM
SN54S05AJ	STL	INV	INVERTER, OC 15V OP, HEX	DIL14C	+5V	125	54MA	5.5MXNS	I001	TII	54S05ADM
SN54S05AW	STL	INV	INVERTER, OC 15V OP, HEX	FLP14	+5V	125	54MA	5.5MXNS	I001	TII	54S05AFM
SN54S05J	STL	INV	INVERTER, OC OP, HEX	DIL14C	+5V	125	54MA	7.5MXNS	I001	TII	54S05DM
SN54S05W	STL	INV	INVERTER, OC OP, HEX	FLP14	+5V	125	54MA	7.5MXNS	I001	TII	54S05FM
SN54S08J	STL	AND	AND, 2IP, QUAD	DIL14C	+5V	125	57MA	7.5MXNS	A001	TII	54S08DM
SN54S08W	STL	AND	AND, 2IP, QUAD	FLP14	+5V	125	57MA	7.5MXNS	A001	TII	54S08FM
SN54S09J	STL	AND	AND, 2IP, OC OP, QUAD	DIL14C	+5V	125	57MA	10MXNS	A001	TII	54S09DM
SN54S09W	STL	AND	AND, 2IP, OC OP, QUAD	FLP14	+5V	125	57MA	10MXNS	A001	TII	54S09FM
SN54S10J	STL	NAN	NAND, 3IP, TRIPLE	DIL14C	+5V	125	27MA	5MXNS	N004	TII	54S10DM
SN54S10W	STL	NAN	NAND, 3IP, TRIPLE	FLP14	+5V	125	27MA	5MXNS	N004	TII	54S10FM
SN54S11J	STL	AND	AND, 3IP, TRIPLE	DIL14C	+5V	125	42MA	7.5MXNS	A003	TII	54S11DM
SN54S11W	STL	AND	AND, 3IP, TRIPLE	FLP14	+5V	125	42MA	7.5MXNS	A003	TII	54S11FM
SN54S15J	STL	AND	AND, 3IP, OC OP, TRIPLE	DIL14C	+5V	125	4.2MA	9MXNS	A003	TII	54S15DM
SN54S15W	STL	AND	AND, 3IP, OC OP, TRIPLE	FLP14	+5V	125	4.2MA	9MXNS	A003	TII	15S15FM
SN54S20J	STL	NAN	NAND, 4IP, DUAL	DIL14C	+5V	125	18MA	5MXNS	N008	TII	54S20DM
SN54S20W	STL	NAN	NAND, 4IP, DUAL	FLP14	+5V	125	18MA	5MXNS	N008	TII	54S20FM
SN54S22J	STL	NAN	NAND, 4IP, OC OP, DUAL	DIL14C	+5V	125	18MA	7.5MXNS	N008	TII	54S22DM
SN54S22W	STL	NAN	NAND, 4IP, OC OP, DUAL	FLP14	+5V	125	18MA	7.5MXNS	N008	TII	54S22FM
SN54S30J	STL	NAN	NAND 8IP	DIL14C	+5V	125	10MA	7MXNS	N010	TII	54S30DM
SN54S30W	STL	NAN	NAND, 8IP	FLP14	+5V	125	10MA	7MXNS	N010	TII	54S30FM
SN54S32J	STL	ORG	OR, 2IP, QUAD	DIL14C	+5V	125	68MA	7MXNS	O001	TII	54S32DM
SN54S32W	STL	ORG	OR, 2IP, QUAD	FLP14	+5V	125	68MA	7MXNS	O001	TII	54S32FM
SN54S37J	STL	NAN	NAND, BUFFER, 2IP, QUAD	DIL14C	+5V	125	80MA	6.5MXNS	N001	TII	S54S37F
SN54S37W	STL	NAN	NAND, BUFFER, 2IP, QUAD	FLP14	+5V	125	80MA	6.5MXNS	N001	TII	S54S37W
SN54S38J	STL	NAN	NAND, BUFFER, 2IP, OC OP, QUAD	DIL14C	+5V	125	80MA	10MXNS	N001	TII	S54S38F
SN54S38W	STL	NAN	NAND, BUFFER, 2IP, OC OP, QUAD	FLP14	+5V	125	80MA	10MXNS	N001	TII	S54S38W
SN54S40J	STL	NAN	NAND, BUFFER, 4IP, DUAL	DIL14C	+5V	125	44MA	6TPNS	N008	TII	54S40DM
SN54S40W	STL	NAN	NAND, BUFFER, 4IP, DUAL	FLP14	+5V	125	44MA	6TPNS	N008	TII	54S40FM
SN54S51J	STL	AOI	AOI, 2IP, 2WIDE, DUAL	DIL14C	+5V	125	22MA	5.5TPNS	Y003	TII	54S51DM
SN54S51W	STL	AOI	AOI, 2IP, 2WIDE, DUAL	FLP14	+5V	125	22MA	5.5TPNS	Y003	TII	54S51FM
SN54S64W	STL	AOI	AOI, 4-2-3-2IP, EXPANDABLE	FLP14	+5V	125	16MA	5.5TPNS	Y020	TII	54S64DM
SN54S64J	STL	AOI	AOI, 4-2-3-2IP, EXPANDABLE	DIL14C	+5V	125	16MA	5.5TPNS	Y020	TII	54S64FM
SN54S65J	STL	AOI	AOI, 4-2-3-2IP,OC OP,EXPANDBLE	DIL14C	+5V	125	16MA	6.5TPNS	Y020	TII	54S65DM
SN54S65W	STL	AOI	AOI, 4-2-3-2IP,OC OP,EXPANDBLE	FLP14	+5V	125	16MA	6.5TPNS	Y020	TII	54S65FM
SN54S74J	STL	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	DIL14C	+5V	125	50MA	75MXMHZ	F008	TII	54S74DM
SN54S74W	STL	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	FLP14	+5V	125	50MA	75MXMHZ	F008	TII	54S74FM
SN54S85J	STL	CMP	COMPARATOR, MAGNITUDE, 4 BIT	DIL16C	+5V	125	39MA	24MXNS	Z005	TII	S54S85F
SN54S85W	STL	CMP	COMPARATOR, MAGNITUDE, 4 BIT	FLP16	+5V	125	39MA	24MXNS	Z005	TII	S54S85W
SN54S86J	STL	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14C	+5V	125	43MA	30MXNS	X001	TII	54S86DM
SN54S86W	STL	XOR	EXCLUSIVE OR, 2IP, QUAD	FLP14	+5V	125	43MA	30MXNS	X001	TII	54S86FM
SN54S112J	STL	FFJ	FF/JK, NEG ET,SEP S/R/CK, DUAL	DIL16C	+5V	125	50MA	80MXMHZ	F022	TII	54S112DM
SN54S112W	STL	FFJ	FF/JK, NEG ET,SEP S/R/CK, DUAL	FLP16	+5V	125	50MA	80MXMHZ	F022	TII	54S112FM
SN54S113J	STL	FFJ	FF/JK,(-)ET,SEP S/CK,NO R,DUAL	DIL14C	+5V	125	50MA	80MXMHZ	F023	TII	54S113DM
SN54S113W	STL	FFJ	FF/JK,(-)ET,SEP S/CK,NO R,DUAL	FLP14	+5V	125	50MA	80MXMHZ	F023	TII	54S113FM
SN54S124J	STL	VCO	VOLTAGE CONTROLLED OSC, DUAL	DIL16C	+5V	125	150MA	60MXMHZ	V001	TII	-
SN54S124W	STL	VCO	VOLTAGE CONTROLLED OSC, DUAL	FLP16	+5V	125	150MA	60MXMHZ	V001	TII	-
SN54S132J	STL	SCH	NAND, 2IP,SCHMITT, QUAD	DIL14C	+5V	125	68MA	13MXNS	N001	TII	54S132DM
SN54S132W	STL	SCH	NAND, 2IP,SCHMITT, QUAD	FLP14	+5V	125	68MA	13MXNS	N001	TII	54S132FM

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
SN54S133J	STL	NAN	NAND, 13IP	DIL16C	+5V	125	10MA	6.5TPNS	N012	TII	54S133DM
SN54S133W	STL	NAN	NAND, 13IP	FLP16	+5V	125	10MA	6.5TPNS	N012	TII	54S133FM
SN54S134J	STL	NAN	NAND, 12IP, 3S OP	DIL16C	+5V	125	25MA	21MXNS	N013	TII	54S134DM
SN54S134W	STL	NAN	NAND, 12IP, 3S OP	FLP16	+5V	125	25MA	21MXNS	N013	TII	54S134FM
SN54S135J	STL	XOR	EXCLUSIVE OR/NOR, QUAD	DIL16C	+5V	125	99MA	15MXNS	X002	TII	54S135DM
SN54S135W	STL	XOR	EXCLUSIVE OR/NOR, QUAD	FLP16	+5V	125	99MA	15MXNS	X002	TII	54S135FM
SN54S138J	STL	DCD	DECODER/DEMUX,3-8 LN, NO LATCH	DIL16C	+5V	125	74MA	12MXNS	D006	TII	54S138DM
SN54S138W	STL	DCD	DECODER/DEMUX,3-8 LN, NO LATCH	FLP16	+5V	125	74MA	12MXNS	D006	TII	54S138FM
SN54S139J	STL	DCD	DECODER/DEMUX,2-4 LINE, DUAL	DIL16C	+5V	125	90MA	12MXNS	D007	TII	54S139DM
SN54S139W	STL	DCD	DECODER/DEMUX,2-4 LINE, DUAL	FLP16	+5V	125	90MA	12MXNS	D007	TII	54S139FM
SN54S140J	STL	LND	LINE DRVR,4IP NAND,50 OHM,DUAL	DIL14C	+5V	125	44MA	18MXNS	N008	TII	54S140DM
SN54S140W	STL	LND	LINE DRVR,4IP NAND,50 OHM,DUAL	FLP14	+5V	125	44MA	18MXNS	N008	TII	54S140FM
SN54S151J	STL	MUX	MUX/DATA SELECTOR, 8-TO-1 LINE	DIL16C	+5V	125	70MA	18MXNS	M002	TII	54S151DM
SN54S151W	STL	MUX	MUX/DATA SELECTOR, 8-TO-1 LINE	FLP16	+5V	125	70MA	18MXNS	M002	TII	54S151FM
SN54S153J	STL	MUX	MUX/DATA SELECTOR,4-1 LIN,DUAL	DIL16C	+5V	125	70MA	18MXNS	M004	TII	54S153DM
SN54S153W	STL	MUX	MUX/DATA SELECTOR,4-1 LIN,DUAL	FLP16	+5V	125	70MA	18MXNS	M004	TII	54S153FM
SN54S157J	STL	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	DIL16C	+5V	125	81MA	15MXNS	M005	TII	54S157DM
SN54S157W	STL	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	FLP16	+5V	125	81MA	15MXNS	M005	TII	54S157FM
SN54S158W	STL	MUX	MUX/DATA SELECTOR,INV OP 54157	FLP16	+5V	125	81MA	12MXNS	M006	TII	54S158FM
SN54S158J	STL	MUX	MUX/DATA SELECTOR,INV OP 54157	DIL16C	+5V	125	81MA	12MXNS	M006	TII	54S158DM
SN54S162J	STL	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	DIL16C	+5V	125	160MA	40MXMHZ	C005	TII	-
SN54S162W	STL	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	FLP16	+5V	125	160MA	40MXMHZ	C005	TII	-
SN54S163J	STL	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	DIL16C	+5V	125	160MA	40MXMHZ	C005	TII	-
SN54S163W	STL	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	FLP16	+5V	125	160MA	40MXMHZ	C005	TII	-
SN54S168J	STL	CTR	COUNTER,4 BT,DEC,UP/DOWN, SYNC	DIL16C	+5V	125	160MA	40MXMHZ	C006	TII	-
SN54S168W	STL	CTR	COUNTER,4 BT,DEC,UP/DOWN, SYNC	FLP16	+5V	125	160MA	40MXMHZ	C006	TII	-
SN54S169J	STL	CTR	COUNTER,UP/DOWN,4 BIT BIN,SYNC	DIL16C	+5V	125	160MA	40MXMHZ	C006	TII	-
SN54S169W	STL	CTR	COUNTER,UP/DOWN,4 BIT BIN,SYNC	FLP16	+5V	125	160MA	40MXMHZ	C006	TII	-
SN54S174J	STL	FFD	FF/D, EDGE TRIG,COMM R/CK, HEX	DIL16C	+5V	125	144MA	75MXMHZ	F025	TII	54S174DM
SN54S174W	STL	FFD	FF/D, EDGE TRIG,COMM R/CK, HEX	FLP16	+5V	125	144MA	75MXMHZ	F025	TII	54S174FM
SN54S175J	STL	FFD	FF/D, ET,COM R/CK,COMP OP,QUAD	DIL16C	+5V	125	96MA	75MXMHZ	F026	TII	54S175DM
SN54S175W	STL	FFD	FF/D, ET,COM R/CK,COMP OP,QUAD	FLP16	+5V	125	96MA	75MXMHZ	F026	TII	54S175FM
SN54S181J	STL	ARI	ALU/FUNCTION-GENERATOR, 4 BIT	DIL24C	+5V	125	220MA	30MXNS	Z010	TII	S54S181F
SN54S181W	STL	ARI	ALU/FUNCTION-GENERATOR,4 BIT	FLP24	+5V	125	220MA	30MXNS	Z010	TII	S54LS181W
SN54S182J	STL	LAC	LOOK AHEAD CARRY GENERATOR,4BT	DIL16C	+5V	125	99MA	10.5MXNS	Z018	TII	S54S182F
SN54S182W	STL	LAC	LOOK AHEAD CARRY GENERATOR,4BT	FLP16	+5V	125	99MA	10.5MXNS	Z018	TII	S54S182W
SN54S188J	STL	MEM	PROM,256=32X8 BT,OC OP,FUZABLE	DIL16C	+5V	125	110MA	50MXNS	S007	TII	-
SN54S188W	STL	MEM	PROM,256=32X8 BT,OC OP,FUZABLE	FLP16	+5V	125	110MA	50MXNS	S007	TII	-
SN54S189AJ	STL	MEM	RAM, 64=16X4 BIT, 3S INV OP	DIL16C	+5V	125	-	-	S001	TII	-
SN54S189AW	STL	MEM	RAM, 64=16X4 BIT, 3S INV OP	FLP16	+5V	125	-	-	S001	TII	-
SN54S189J	STL	MEM	RAM, 64=16X4 BIT, 3S INV OP	DIL16C	+5V	125	110MA	35MXNS	S001	TII	54S189F
SN54S189W	STL	MEM	RAM, 64=16X4 BIT, 3S INV OP	FLP16	+5V	125	110MA	35MXNS	S001	TII	54S189W
SN54S194J	STL	SRG	SHIFT REGISTER,4 BIT,L/R, PIPO	DIL16C	+5V	125	110MA	70MXMHZ	R013	TII	54S194DM
SN54S194W	STL	SRG	SHIFT REGISTER,4 BIT,L/R, PIPO	FLP16	+5V	125	110MA	70MXMHZ	R013	TII	54S194FM
SN54S195J	STL	SRG	SHIFT REGISTER,4 BIT, PIPO	DIL16C	+5V	125	-	-	R014	TII	DM54S195J
SN54S195W	STL	SRG	SHIFT REGISTER,4 BIT, PIPO	FLP16	+5V	125	-	-	R014	TII	-
SN54S196J	STL	CTR	COUNTER,DEC,BCD/BIQUIN,RIPPLE	DIL14C	+5V	125	110MA	37MXNS	C010	TII	-
SN54S196W	STL	CTR	COUNTER,DEC,BCD/BIQUIN,RIPPLE	FLP14	+5V	125	110MA	37MXNS	C010	TII	-
SN54S197J	STL	CTR	COUNTER,HEXADEC,4 BIT, RIPPLE	DIL14C	+5V	125	110MA	37MXNS	C010	TII	54S197DM
SN54S197W	STL	CTR	COUNTER,HEXADEC,4 BIT, RIPPLE	FLP14	+5V	125	110MA	37MXNS	C010	TII	54S197FM
SN54S200AJ	STL	MEM	RAM, 256=256X1 BT, 3S OP	DIL16C	+5V	125	-		S009	TII	DM54S200J
SN54S200AW	STL	MEM	RAM, 256=256X1 BT, 3S OP	FLP16	+5V	125	-		S009	TII	DM54S200W
SN54S201J	STL	MEM	RAM,256=256X1 BT,FASTER 54S200	DIL16C	+5V	125	-	-	S009	TII	-
SN54S201W	STL	MEM	RAM,256=256X1 BT,FASTER 54S200	FLP16	+5V	125	-	-	S009	TII	-
SN54S207J	STL	MEM	RAM,1K=256X4 BIT,3S, COMMON IO	DIL16C	+5V	125	-	-	Z030	TII	-
SN54S208J	STL	MEM	RAM,1K=256X4 BT,3S,SEPARATE IO	DIL20C	+5V	125	-	-	Z031	TII	-
SN54S214J	STL	MEM	RAM,1K=1024X1 BT,3S,CHP SELECT	DIL16C	+5V	125	-	-	S010	TII	-
SN54S226J	STL	TRX	TRANSCEIVER,BUS,4 BT,LATCH, 3S	DIL16C	+5V	125	-	-	T005	TII	-
SN54S226W	STL	TRX	TRANSCEIVER,BUS,4 BT,LATCH, 3S	FLP16	+5V	125	-	-	T005	TII	-
SN54S240J	STL	LND	LINE DRIVER,3S,INV,LO EN,OCTAL	DIL20C	+5V	125	145MA	15MXNS	B004	TII	54S240DM
SN54S241J	STL	LND	LINE DRIVER,3S,DIR,LO EN,OCTAL	DIL20C	+5V	125	170MA	15MXNS	B005	TII	54S241DM
SN54S251J	STL	SEL	MUX/DATA SELECTOR,8-1 LINE, 3S	DIL16C	+5V	125	85MA	19.5MXNS	M007	TII	54S251DM
SN54S251W	STL	SEL	MUX/DATA SELECTOR,8-1 LINE, 3S	FLP16	+5V	125	85MA	19.5MXNS	M007	TII	54S251FM
SN54S257J	STL	SEL	MUX/DATA SELECTR,2-1LN,3S,QUAD	DIL16C	+5V	125	99MA	21MXNS	M009	TII	54S257DM
SN54S257W	STL	SEL	MUX/DATA SELECTR,2-1LN,3S,DUAL	FLP16	+5V	125	99MA	21MXNS	M009	TII	54S257FM
SN54S258J	STL	SEL	MUX/DATA SELECTR,INV-OP-54257	DIL16C	+5V	125	87MA	12MXNS	M010	TII	54S258DM
SN54S258W	STL	SEL	MUX/DATA SELECTR,INV-OP-54257	FLP16	+5V	125	87MA	12MXNS	M010	TII	54S258FM
SN54S260J	STL	NOR	NOR, 5 INPUT, DUAL	DIL14C	+5V	125	45MA	6MXNS	Q006	TII	54S260DM
SN54S260W	STL	NOR	NOR, 5 INPUT, DUAL	FLP14	+5V	125	45MA	6MXNS	Q006	TII	54S260FM
SN54S270J	STL	MEM	ROM, 2K=512X4 BIT, OC OP	DIL16C	+5V	125	130MA	70MXNS	S012	TII	-
SN54S271J	STL	MEM	ROM, 2K=256X8 BIT, OC OP	DIL20C	+5V	125	130MA	70MXNS	S013	TII	-
SN54S274J	STL	MLT	MULTIPLIER,4X4 BIT BINARY,3S	DIL20C	+5V	125	94MA	30MXMHZ	Z033	TII	-
SN54S275J	STL	XXX	WALLACE TREE,7 BIT SLICE,3S OP	DIL16C	+5V	125	94MA	30MXMHZ	Z034	TII	-
SN54S280J	STL	PAR	PARITY GENERATOR/CHECKER,9 BIT	DIL14C	+5V	125	99MA	21MXNS	Z012	TII	54S280DM
SN54S280W	STL	PAR	PARITY GENERATOR/CHECKER,9 BIT	FLP14	+5V	125	99MA	21MXNS	Z012	TII	54S280FM

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAK ER	SUBSTITUTE
SN54S281J	STL	ACC	ACCUMULATOR,4 BT,PARALL,BINARY	DIL24C	+5V	125	230MA	55MXNS	Z035	TII	-
SN54S281W	STL	ACC	ACCUMULATOR,4 BT,PARALL,BINARY	FLP24	+5V	125	230MA	55MXNS	Z035	TII	-
SN54S283J	STL	ADD	ADDER,FULL,4 BT,BIN,FAST CARRY	DIL16C	+5V	125	99MA	24MXNS	Z013	TII	-
SN54S287J	STL	MEM	PROM,1K=256X4 BIT,3S,FUZ. LINK	DIL16C	+5V	125	130MA	35TPNS	S006	TII	54S287DM
SN54S287W	STL	MEM	PROM,1K=256X4 BIT,3S,FUZ. LINK	FLP16	+5V	125	130MA	35TPNS	S006	TII	54S287FM
SN54S288J	STL	MEM	PROM,256=32X8 BIT, 3S OP	DIL16C	+5V	125	110MA	50MXNS	S007	TII	-
SN54S288W	STL	MEM	PROM,256=32X8 BIT, 3S OP	FLP16	+5V	125	110MA	50MXNS	S007	TII	-
SN54S289J	STL	MEM	RAM, 64=16X4 BIT,OC INV OP	DIL16C	+5V	125	105MA	50MXNS	S001	TII	54S289DM
SN54S289W	STL	MEM	RAM, 64=16X4 BIT,OC INV OP	FLP16	+5V	125	105MA	50MXNS	S001	TII	54S289FM
SN54S299J	STL	SRG	SHIFT REG,8 BIT,L/R SH,3S,PIPO	DIL20C	+5V	125	225MA	50MXMHZ	R020	TII	-
SN54S299W	STL	SRG	SHIFT REG,8 BIT,L/R SH,3S,PIPO	FLP20	+5V	125	225MA	50MXMHZ	R020	TII	-
SN54S300AJ	STL	MEM	RAM,256=256X1 BIT, OC OP	DIL16C	+5V	125	-	-	S009	TII	-
SN54S300AW	STL	MEM	RAM,256=256X1 BIT, OC OP	FLP16	+5V	125	-	-	S009	TII	-
SN54S301J	STL	MEM	RAM,256X1 BIT,OC OP FSTR 54300	DIL16C	+5V	125	-	-	S009	TII	-
SN54S301W	STL	MEM	RAM,256X1 BIT,OC OP FSTR 54300	FLP16	+5V	125	-	-	S009	TII	-
SN54S314J	STL	MEM	RAM,1K=1024X1 BT,OC,CHP SELECT	DIL16C	+5V	125	-	-	S010	TII	-
SN54S370J	STL	MEM	ROM, 2K=512X4 BIT, 3S OP	DIL16C	+5V	125	130MA	70MXNS	S012	TII	-
SN54S371J	STL	MEM	ROM, 2K=256X8 BIT, 3S OP	DIL20C	+5V	125	130MA	70MXNS	S013	TII	-
SN54S373J	STL	LCH	LATCH, LO VOH 54363, OCTAL	DIL20C	+5V	125	160MA	75MXMHZ	L006	TII	-
SN54S373W	STL	LCH	LATCH, LO VOH 54363, OCTAL	FLP20	+5V	125	160MA	75MXMHZ	L006	TII	-
SN54S374J	STL	FFD	FF/D, LO VOH 54373, OCTAL	DIL20C	+5V	125	140MA	75MXMHZ	F027	TII	-
SN54S374W	STL	FFD	FF/D, LO VOH 54364, OCTAL	FLP20	+5V	125	140MA	75MXMHZ	F027	TII	-
SN54S387J	STL	MEM	PROM,1K=256X4 BIT,OC OP	DIL16C	+5V	125	130MA	60MXNS	S006	TII	-
SN54S387W	STL	MEM	PROM,1K=256X4 BIT,OC OP	FLP16	+5V	125	130MA	60MXNS	S006	TII	-
SN54S412J	STL	LCH	LATCH, 8 BT,BUFFR,MULTIMODE,3S	DIL24C	+5V	125	130MA	40MXNS	L017	TII	-
SN54S412W	STL	LCH	LATCH, 8 BT,BUFFR,MULTIMODE,3S	FLP24	+5V	125	130MA	40MXNS	L017	TII	-
SN54S470J	STL	MEM	PROM,2K=256X8 BIT,OC,FUZE LINK	DIL20C	+5V	125	155MA	80MXNS	S013	TII	-
SN54S471J	STL	MEM	PROM,2K=256X8 BIT,OC,FUZE LINK	DIL20C	+5V	125	155MA	80MXNS	S013	TII	-
SN54S472J	STL	MEM	PROM,4K=512X8 BT,FUZ LINK, 3S	DIL20C	+5V	125	155MA	85MXNS	S014	TII	-
SN54S473J	STL	MEM	PROM,4K=512X8 BT,FUZ LINK, OC	DIL20C	+5V	125	155MA	85MXNS	S014	TII	DM54S473J
SN54S474J	STL	MEM	PROM,4K=512X8 BIT,3S,FUZE LINK	DIL24C	+5V	125	155MA	85MXNS	S015	TII	DM54S474J
SN54S474W	STL	MEM	PROM,4K=512X8 BIT,3S,FUZE LINK	FLP24	+5V	125	155MA	85MXNS	S015	TII	-
SN54S475J	STL	MEM	PROM,4K=512X8 BIT,OC,FUZE LINK	DIL24C	+5V	125	155MA	85MXNS	S015	TII	DM54S475J
SN54S475W	STL	MEM	PROM,4K=512X8 BIT OC,FUZE LINK	FLP24	+5V	125	155MA	85MXNS	S015	TII	-
SN54S481J	STL	MIC	ALU,MICROPROCESSOR,4 BIT SLICE	XTR48	+5V	125	-	-	W001	TII	-
SN54S482J	STL	MIC	CONTROLLER,4 BT SLICE,EXPNDBLE	DIL20C	+5V	125	-	-	W002	TII	-
SN54S484J	STL	CVR	CONVERTER,BCD-BINARY,3S	DIL20C	+5V	125	-	-	Z999	TII	-
SN54S485J	STL	CVR	CONVERTER,BINARY-BCD, 3S	DIL20C	+5V	125	-	-	Z999	TII	-
SN54S540J	STL	LND	LINE DRIVER,DIFFT PINOUT 54240	DIL20C	+5V	125	170MA	15MXNS	B010	TII	-
SN54S541J	STL	LND	LINE DRIVER,DIFFT PINOUT 54241	DIL20C	+5V	125	170MA	15MXNS	B011	TII	-
SN54S544J	STL	TRX	TRNSCVR,LINE,BUFFER,3S, OCTAL	DIL20C	+5V	125	-	-	Z999	TII	-
SN54S740J	STL	LND	LINE DRIVER,BUFFR,INV.3S,OCTAL	DIL40C	+5V	125	-	-	Z999	TII	-
SN54S741J	STL	LND	LINE DRIVER,BUFFR,DIR,3S,OCTAL	DIL40C	+5V	125	-	-	Z999	TII	-
SN54S744J	STL	LND	LINE DRVR,3S,LO EN,BUFFR,OCTAL	DIL40C	+5V	125	-	-	Z999	TII	-
SN54SS00 SER.	SST	-	SUPER SCHOTTKY SN5400 SERIES	-	-	125	-	-	-	RAY	-
SN64H00J SER.	HTL	-	85C VERSNS OF 125C SN54H00J SR	DIL--C	-	85C	-	-	-	TII	-
SN64H00W SER	HTL	-	85C VERSNS OF 125C SN54H00W SR	FLP---	-	85C	-	-	-	TII	-
SN64L00 SER	LTL	-	85C VERSNS OF 125C SN54L00 SER	-	-	85C	-	-	-	TII	ZN64L00 SER
SN64L00J SER.	LTL	-	85C VERSNS OF 125C SN54L00J SR	DIL--C	-	85C	-	-	-	TII	-
SN64L00W SER	LTL	-	85C VERSNS OF 125C SN54L00W SR	FLP---	-	85C	-	-	-	TII	-
SN64LS00 SER	LST	-	85C VERSNS OF 125C SN54LS00 SR	-	-	85C	-	-	-	TII	DM64LS00 SER.
SN64LS00J SER	LST	-	85C VERSNS OF 125C SN54LS00J S	DIL--C	-	85C	-	-	-	TII	-
SN64S00J SER	STL	-	85C VERSNS OF 125C SN54LS00J S	DIL--C	-	85C	-	-	-	TII	-
SN64S00W SER.	STL	-	85C VERSNS OF 125C SN54LS00W S	FLP---	-	85C	-	-	-	TII	-
SN74AL00 SER.	ALS	-	74ALS SER. DETAILED SEPARATELY	-	-	70C	-	-	-	TII	-
SN74ALS SER.	ALS	-	74ALS SER. DETAILED SEPARATELY	-	+5V	70C	-	-	-	TII	-
SN74ALS00J	ALS	NAN	NAND, 2IP, QUAD	DIL14C	+5V	70C	3MA	5MXNS	N001	TII	-
SN74ALS00N	ALS	NAN	NAND, 2IP, QUAD	DIL14P	+5V	70C	3MA	5MXNS	N001	TII	-
SN74ALS01J	ALS	NAN	NAND, 2IP, OC OP, QUAD	DIL14C	+5V	70C	4MA	6.5MXNS	N003	TII	-
SN74ALS01N	ALS	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	70C	4MA	6.5MXNS	N003	TII	-
SN74ALS02J	ALS	NOR	NOR, 2IP, QUAD	DIL14C	+5V	70C	4MA	6.5MXNS	Q001	TII	-
SN74ALS02N	ALS	NOR	NOR, 2IP, QUAD	DIL14P	+5V	70C	4MA	6.5MXNS	Q001	TII	-
SN74ALS03J	ALS	NAN	NAND, 2IP, OC OP, QUAD	DIL14C	+5V	70C	3.8MA	5.5MXNS	N001	TII	-
SN74ALS03N	ALS	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	70C	3.8MA	5.5MXNS	N001	TII	-
SN74ALS04J	ALS	INV	INVERTER, HEX	DIL14C	+5V	70C	3.8MA	5.5MXNS	I001	TII	-
SN74ALS04N	ALS	INV	INVERTER, HEX	DIL14P	+5V	70C	3.8MA	5.5MXNS	I001	TII	-
SN74ALS05J	ALS	INV	INVERTER, OC OP, HEX	DIL14C	+5V	70C	3.8MA	17MXNS	I001	TII	-
SN74ALS05N	ALS	INV	INVERTER, OC OP, HEX	DIL14P	+5V	70C	3.8MA	17MXNS	I001	TII	-
SN74ALS08J	ALS	AND	AND, 2IP, QUAD	DIL14C	+5V	70C	4MA	7MXNS	A001	TII	-
SN74ALS08N	ALS	AND	AND, 2IP, QUAD	DIL14P	+5V	70C	4MA	7MXNS	A001	TII	-
SN74ALS09J	ALS	AND	AND, 2IP, OC OP, QUAD	DIL14C	+5V	70C	4MA	7MXNS	A001	TII	-
SN74ALS09N	ALS	AND	AND, 2IP, OC OP, QUAD	DIL14P	+5V	70C	4MA	7MXNS	A001	TII	-
SN74ALS10J	ALS	NAN	NAND, 3IP, TRIPLE	DIL14C	+5V	70C	2.2MA	9MXNS	N004	TII	-
SN74ALS10N	ALS	NAN	NAND, 3IP, TRIPLE	DIL14P	+5V	70C	2.2MA	9MXNS	N004	TII	-
SN74ALS11J	ALS	AND	AND, 3IP, TRIPLE	DIL14C	+5V	70C	3MA	17.5MXNS	A003	TII	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
SN74ALS11N	ALS	AND	AND, 3IP, TRIPLE	DIL14P	+5V	70C	3MA	17.5MXNS	A003	TII	-
SN74ALS12J	ALS	NAN	NAND, 3IP, OC OP, TRIPLE	DIL14C	+5V	70C	2.2MA	17MXNS	N004	TII	-
SN74ALS12N	ALS	NAN	NAND, 3IP, OC OP, TRIPLE	DIL14P	+5V	70C	2.2MA	17MXNS	N004	TII	-
SN74ALS15J	ALS	AND	AND, 3IP, OC OP, TRIPLE	DIL14C	+5V	70C	3MA	17.5MXNS	A003	TII	-
SN74ALS15N	ALS	AND	AND, 3IP, OC OP, TRIPLE	DIL14P	+5V	70C	3MA	17.5MXNS	A003	TII	-
SN74ALS20J	ALS	AND	NAND, 4IP, DUAL	DIL14C	+5V	70C	1 5MA	13MXNS	N008	TII	-
SN74ALS20N	ALS	NAN	NAND, 4IP, DUAL	DIL14P	+5V	70C	1.5MA	13MXNS	N008	TII	-
SN74ALS21J	ALS	AND	AND, 4IP, DUAL	DIL14C	+5V	70C	4MA	7NS	A005	TII	-
SN74ALS21N	ALS	AND	AND, 4IP, DUAL	DIL14P	+5V	70C	4MA	7NS	A005	TII	-
SN74ALS22J	ALS	NAN	NAND, 4IP, OC OP, DUAL	DIL14C	+5V	70C	1.5MA	13MXNS	N008	TII	-
SN74ALS22N	ALS	NAN	NAND, 4IP, OC OP, DUAL	DIL14P	+5V	70C	1.5MA	13MXNS	N008	TII	-
SN74ALS27J	ALS	NOR	NOR, 3IP, TRIPLE	DIL14C	+5V	70C	8.8MA	4.8MXNS	Q005	TII	-
SN74ALS27N	ALS	NOR	NOR, 3IP, TRIPLE	DIL14P	+5V	70C	8.8MA	4.8MXNS	Q005	TII	-
SN74ALS28J	ALS	NOR	NOR, BUFFER, 2IP, QUAD	DIL14C	+5V	70C	8.8MA	4.8MXNS	Q001	TII	-
SN74ALS28N	ALS	NOR	NOR, BUFFER, 2IP, QUAD	DIL14C	+5V	70C	8.8MA	4.8MXNS	Q001	TII	-
SN74ALS30J	ALS	NOR	NAND, 8IP	DIL14C	+5V	70C	8.8MA	4.8MXNS	N010	TII	-
SN74ALS30N	ALS	NAN	NAND, 8IP	DIL14P	+5V	70C	-	4.8MXNS	N010	TII	-
SN74ALS32J	ALS	ORG	OR, 2IP, QUAD	DIL14C	+5V	70C	4.9MA	6.5MXNS	Q001	TII	-
SN74ALS32N	ALS	ORG	OR, 2IP, QUAD	DIL14P	+5V	70C	4.9MA	6 5MXNS	Q001	TII	-
SN74ALS33J	ALS	NOR	NOR, 2IP, OC OP, QUAD	DIL14C	+5V	70C	8.8MA	20MXNS	Q001	TII	-
SN74ALS33N	ALS	NOR	NOR, 2IP, OC OP, QUAD	DIL14P	+5V	70C	8.8MA	20MXNS	Q001	TII	-
SN74ALS37J	ALS	NAN	NAND, BUFFER, 2IP, QUAD	DIL14C	+5V	70C	3MA	5MXNS	N001	TII	-
SN74ALS37N	ALS	NAN	NAND, BUFFER, 2IP, QUAD	DIL14P	+5V	70C	3MA	5MXNS	N001	TII	-
SN74ALS38J	ALS	NAN	NAND, BUFFER, 2IP, OC OP, QUAD	DIL14C	+5V	70C	3MA	5MXNS	N001	TII	-
SN74ALS38N	ALS	NAN	NAND, BUFFER, 2IP, OC OP, QUAD	DIL14P	+5V	70C	3MA	5MXNS	N001	TII	-
SN74ALS40J	ALS	NAN	NAND, BUFFER, 4IP, DUAL	DIL14C	+5V	70C	3MA	5MXNS	N008	TII	-
SN74ALS40N	ALS	NAN	NAND, BUFFER, 4IP, DUAL	DIL14P	+5V	70C	3MA	5MXNS	N008	TII	-
SN74ALS74J	ALS	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	DIL14C	+5V	70C	4MA	40MXMHZ	F008	TII	-
SN74ALS74N	ALS	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	DIL14P	+5V	70C	4MA	40MXMHZ	F008	TII	-
SN74ALS109J	ALS	FFJ	FF/J(-K), +ET,SEP S/R/CK, DUAL	DIL16C	+5V	70C	4MA	35MXMHZ	F021	TII	-
SN74ALS109N	ALS	FFJ	FF/J(-K), +ET,SEP S/R/CK, DUAL	DIL16P	+5V	70C	4MA	35MXMHZ	F021	TII	-
SN74ALS112J	ALS	FFJ	FF/JK, NEG ET,SEP S/R/CK, DUAL	DIL16C	+5V	70C	4MA	35MXMHZ	F022	TII	-
SN74ALS112N	ALS	FFJ	FF/JK, NEG ET,SEP S/R/CK, DUAL	DIL16P	+5V	70C	4MA	35MXMHZ	F022	TII	-
SN74ALS113J	ALS	FFJ	FF/JK,(-)ET,SEP S/CK,NO R,DUAL	DIL14C	+5V	70C	4MA	35MXMHZ	F023	TII	-
SN74ALS113N	ALS	FFJ	FF/JK,(-)ET,SEP S/CK,NO R,DUAL	DIL14P	+5V	70C	4MA	35MXMHZ	F023	TII	-
SN74ALS114J	ALS	FFJ	FF/JK, -ET,COM R/CK,SEP S,DUAL	DIL14C	+5V	70C	4MA	35MXMHZ	F024	TII	-
SN74ALS114N	ALS	FFJ	FF/JK, -ET,COM R/CK,SEP S,DUAL	DIL14P	+5V	70C	4MA	35MXMHZ	F024	TII	-
SN74ALS123J	ALS	MON	MONOSTABLE,MULTI,RETRIG, DUAL	DIL16C	+5V	70C	-	-	U003	TII	-
SN74ALS123N	ALS	MON	MONOSTABLE,MULTI,RETRIG, DUAL	DIL16C	+5V	70C	-	-	U003	TII	-
SN74ALS132J	ALS	SCH	NAND, 2IP,SCHMITT, QUAD	DIL14C	+5V	70C	-	-	N001	TII	-
SN74ALS132N	ALS	SCH	NAND, 2IP,SCHMITT, QUAD	DIL14P	+5V	70C	-	-	N001	TII	-
SN74ALS133J	ALS	SCH	NAND, 13IP	DIL16C	+5V	70C	.74MA	30MXNS	N012	TII	-
SN74ALS133N	ALS	NAN	NAND, 13IP	DIL16P	+5V	70C	.74MA	30MXNS	N012	TII	-
SN74ALS157J	ALS	NAN	MUX/DATA SELECTOR, 2-1 LN,QUAD	DIL16C	+5V	70C	-	-	M005	TII	-
SN74ALS157N	ALS	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	DIL16P	+5V	70C	-	-	M005	TII	-
SN74ALS158J	ALS	MUX	MUX/DATA SELECTOR,INV OP 74157	DIL16C	+5V	70C	-	-	M006	TII	-
SN74ALS158N	ALS	MUX	MUX/DATA SELECTOR,INV OP 74157	DIL16P	+5V	70C	-	-	M006	TII	-
SN74ALS160J	ALS	CTR	COUNTER,DEC,4 BIT, SYNC,DRCT R	DIL16C	+5V	70C	-	-	C004	TII	-
SN74ALS160N	ALS	CTR	COUNTER,DEC,4 BIT, SYNC,DRCT R	DIL16P	+5V	70C	-	-	C004	TII	-
SN74ALS161J	ALS	CTR	COUNTER, BIN,4 BIT,SYNC,DRCT R	DIL16C	+5V	70C	-	-	C004	TII	-
SN74ALS161N	ALS	CTR	COUNTER, BIN,4 BIT,SYNC,DRCT R	DIL16P	+5V	70C	-	-	C004	TII	-
SN74ALS162J	ALS	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	DIL16C	+5V	70C	-	-	C005	TII	-
SN74ALS162N	ALS	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	DIL16P	+5V	70C	-	-	C005	TII	-
SN74ALS163J	ALS	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	DIL16C	+5V	70C	-	-	C005	TII	-
SN74ALS163N	ALS	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	DIL16P	+5V	70C	-	-	C005	TII	-
SN74ALS168J	ALS	CTR	COUNTER,4 BT,DEC,UP/DOWN, SYNC	DIL16C	+5V	70C	-	-	C006	TII	-
SN74ALS168N	ALS	CTR	COUNTER,4 BT,DEC,UP/DOWN, SYNC	DIL16P	+5V	70C	-	-	C006	TII	-
SN74ALS169J	ALS	CTR	COUNTER,UP/DOWN,4 BIT BIN,SYNC	DIL16C	+5V	70C	-	-	C006	TII	-
SN74ALS169N	ALS	CTR	COUNTER,UP/DOWN,4 BIT BIN,SYNC	DIL16P	+5V	70C	-	-	C006	TII	-
SN74ALS190J	ALS	CTR	COUNTER,DEC,UP/DWN,SYNC,PRESET	DIL16C	+5V	70C	-	-	C008	TII	-
SN74ALS190N	ALS	CTR	COUNTER,DEC,UP/DWN,SYNC,PRESET	DIL16P	+5V	70C	-	-	C008	TII	-
SN74ALS191J	ALS	CTR	COUNTER, 4 BT HEX, UP/DWN,SYNC	DIL16C	+5V	70C	-	-	C008	TII	-
SN74ALS191N	ALS	CTR	COUNTER, 4 BT HEX, UP/DWN,SYNC	DIL16P	+5V	70C	-	-	C008	TII	-
SN74ALS192J	ALS	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	DIL16C	+5V	70C	-	-	C009	TII	-
SN74ALS192N	ALS	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	DIL16P	+5V	70C	-	-	C009	TII	-
SN74ALS193J	ALS	CTR	COUNTER,HEX,UP/DWN,SYNC,2CK,3S	DIL16C	+5V	70C	-	-	C009	TII	-
SN74ALS193N	ALS	CTR	COUNTER,HEX,UP/DWN,SYNC,2CK,3S	DIL16P	+5V	70C	-	-	C009	TII	-
SN74ALS257J	ALS	SEL	MUX/DATA SELECTR,2-1LN,3S,QUAD	DIL16C	+5V	70C	-	-	M009	TII	-
SN74ALS257N	ALS	SEL	MUX/DATA SELECTR,2-1LN,3S,QUAD	DIL16P	+5V	70C	-	-	M009	TII	-
SN74ALS258J	ALS	SEL	MUX/DATA SELECTR,INV-OP-74257	DIL16C	+5V	70C	-	-	M010	TII	-
SN74ALS258N	ALS	SEL	MUX/DATA SELECTR,INV-OP-74257	DIL16P	+5V	70C	-	-	M010	TII	-
SN74ALS299J	ALS	SRG	SHIFT REG,8 BIT,L/R SH,3S,PIPO	DIL20C	+5V	70C	-	-	R020	TII	-
SN74ALS299N	ALS	SRG	SHIFT REG,8 BIT,L/R SH,3S,PIPO	DIL20P	+5V	70C	-	-	R020	TII	-
SN74ALS323J	ALS	SRG	SHIFT REG,8 BIT,L/R,3S,PIPO	DIL20C	+5V	70C	-	-	R022	TII	-
SN74ALS323N	ALS	SRG	SHIFT REG,8 BIT,L/R,3S,PIPO	DIL20P	+5V	70C	-	-	R022	TII	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAK ER	SUBSTITUTE
SN74ALS354J	ALS	MUX	MUX/DATA SELECT,8-1LN,REGR, 3S	DIL20C	+5V	70C	-	-	Z999	TII	-
SN74ALS354N	ALS	MUX	MUX/DATA SELECT,8-1LN,REGR, 3S	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74ALS355J	ALS	MUX	MUX/DATA SELECT,8-1LN,REGR, OC	DIL20C	+5V	70C	-	-	Z999	TII	-
SN74ALS355N	ALS	MUX	MUX/DATA SELECT,8-1LN,REGR, OC	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74ALS356J	ALS	MUX	MUX/DATA SELECT,4-1LN,D REG,3S	DIL20C	+5V	70C	-	-	Z999	TII	-
SN74ALS356N	ALS	MUX	MUX/DATA SELECT,4-1LN,D REG,3S	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74ALS357J	ALS	MUX	MUX/DATA SELECT,8-1LN,D REG,OC	DIL20C	+5V	70C	-	-	Z999	TII	-
SN74ALS357N	ALS	MUX	MUX/DATA SELECT,8-1LN,D REG,OC	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74ALS560J	ALS	CTR	COUNTER,DECADE,SYNC,ASYNC R	DIL20C	+5V	70C	-	-	Z999	TII	-
SN74ALS560N	ALS	CTR	COUNTER,DECADE,SYNC,ASYNC R	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74ALS561J	ALS	CTR	COUNTER,4 BT BIN,SYNC,ASYNC R	DIL20C	+5V	70C	-	-	Z999	TII	-
SN74ALS561N	ALS	CTR	COUNTER,4 BT BIN,SYNC,ASYNC R	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74ALS568J	ALS	CTR	COUNTER,BCD DEC,UP/DWN,3S,SYNC	DIL20C	+5V	70C	-	-	C023	TII	-
SN74ALS568N	ALS	CTR	COUNTER,BCD DEC,UP/DWN,3S,SYNC	DIL20P	+5V	70C	-	-	C023	TII	-
SN74ALS569J	ALS	CTR	COUNTER, 4BT BIN UP/DWN,3S OP	DIL20C	+5V	70C	-	-	Z999	TII	-
SN74ALS569N	ALS	CTR	COUNTER, 4BT BIN. UP/DWN 3S OP	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74ALS573J	ALS	LCH	OCTAL LATCH 3S OP	DIL20C	+5V	70C	-	-	Z999	TII	-
SN74ALS573N	ALS	LCH	OCTAL LATCH 3S OP	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74ALS574J	ALS	FFD	OCTAL D-TYPE FLIP-FLOP 3S OP	DIL20C	+5V	70C	-	-	Z999	TII	-
SN74ALS574N	ALS	FFD	OCTAL D-TYPE FLIP-FLOP 3S OP	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74ALS576J	ALS	FFD	OCTAL D-TYPE FLIP-FLOP 3S OP	DIL20C	+5V	70C	-	-	Z999	TII	-
SN74ALS576N	ALS	FFD	OCTAL D-TYPE FLIP-FLOP 3S OP	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74ALS580J	ALS	FFD	OCTAL D FLIP FLOP LATCH INV 3S	DIL20C	+5V	70C	-	-	Z999	TII	-
SN74ALS580N	ALS	FFD	OCTAL D FLIP FLOP LATCH INV 3S	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74ALS857J	ALS	MUX	MUX,UNIVERSAL,8-1 LINE, 3S	DIL24C	+5V	70C	-	-	Z999	TII	-
SN74ALS857N	ALS	MUX	MUX,UNIVERSAL,8-1 LINE, 3S	DIL24P	+5V	70C	-	-	Z999	TII	-
SN74ALS873J	ALS	LCH	LATCH, 2XQUAD,TRANSPT,3S,OCTAL	DIL--C	+5V	70C	-	-	Z999	TII	-
SN74ALS873N	ALS	LCH	LATCH, 2XQUAD,TRANSPT,3S,OCTAL	DIL--P	+5V	70C	-	-	Z999	TII	-
SN74ALS874J	ALS	FFD	FF/D, 2XQUAD(=OCTAL), 3S	DIL24C	+5V	70C	-	-	Z999	TII	-
SN74ALS874N	ALS	FFD	FF/D, 2XQUAD(=OCTAL), 3S	DIL24P	+5V	70C	-	-	Z999	TII	-
SN74ALS878J	ALS	FFD	FF/D,INV OP,3S,OCTAL(=2XQUAD)	DIL20C	+5V	70C	-	-	Z999	TII	-
SN74ALS878N	ALS	FFD	FF/D,INV OP,3S,OCTAL(=2XQUAD)	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74ALS880J	ALS	LCH	LATCH,D TYPE,TRANSP,3S, 2XQUAD	DIL20C	+5V	70C	-	-	Z999	TII	-
SN74ALS880N	ALS	LCH	LATCH,D TYPE,TRANSP,3S,2XQUAD	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74ALS903J	ALS	INV	HEX INVERTING PMOS BUFFER	DIL14C	+5V	70C	-	-	I013	TII	-
SN74ALS903N	ALS	INV	HEX INVERTING PMOS BUFFER	DIL14P	+5V	70C	-	-	I013	TII	-
SN74AS00 SER	AST	-	74AS SER. DETAILED SEPARATELY	-	-	70C	-	-	-	TII	
SN74AS800J	AST	BUF	BUFFER,AND/NAND IP, QUAD	DIL20C	+5V	70C	-	-	Z999	TII	-
SN74AS800N	AST	BUF	BUFFER,AND/NAND IP, QUAD	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74AS801J	AST	NAN	NAND, 2IP, HEX	DIL20C	+5V	70C	-	-	Z999	TII	-
SN74AS801N	AST	NAN	NAND, 2IP, HEX	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74AS802J	AST	ORG	OR/NOR, 3IP, QUAD	DIL20C	+5V	70C	-	-	Z999	TII	-
SN74AS802N	AST	ORG	OR/NOR, 3IP, QUAD	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74AS804J	AST	BUF	BUFFER, 2IP NAND, HEX	DIL20C	+5V	70C	-	-	Z999	TII	-
SN74AS804N	AST	BUF	BUFFER, 2IP NAND, HEX	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74AS805J	AST	NOR	NOR, 2IP, HEX	DIL20C	+5V	70C	-	-	Z999	TII	-
SN74AS805N	AST	NOR	NOR, 2IP, HEX	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74AS808J	AST	BUF	BUFFER, 2IP AND, HEX	DIL20C	+5V	70C	-	-	Z999	TII	-
SN74AS808N	AST	BUF	BUFFER, 2IP AND, HEX	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74AS820J	AST	NAN	NAND, 8IP, DUAL	DIL20C	+5V	70C	-	-	Z999	TII	-
SN74AS820N	AST	NAN	NAND, 8IP, DUAL	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74AS830J	AST	AND	AND/NAND, 16IP	DIL20C	+5V	70C	-	-	Z999	TII	-
SN74AS830N	AST	AND	AND/NAND, 16IP	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74AS832J	AST	BUF	BUFFER, 2IP OR, HEX	DIL20C	+5V	70C	-	-	Z999	TII	-
SN74AS832N	AST	BUF	BUFFER, 2IP OR, HEX	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74AS836J	AST	XNR	EXNOR,2IP QUAD+BUFFER,4IP	DIL C	+5V	70C	-	-	Z999	TII	-
SN74AS836N	AST	XNR	EXNOR, 2IP QUAD + BUFFER, 4IP	DIL P	+5V	70C	-	-	Z999	TII	-
SN74AS850J	AST	MUX	MULTIPLEXER,16-1 LINE	DIL24C	+5V	70C	-	-	Z999	TII	-
SN74AS850N	AST	MUX	MULTIPLEXER, 16-1 LINE	DIL24P	+5V	70C	-	-	Z999	TII	-
SN74AS859J	AST	DMX	DEMUX/DECODER,UNIV,ADD	DIL24C	+5V	70C	-	-	Z999	TII	-
SN74AS859N	AST	DMX	DEMUX/DECODER, UNIV, ADD	DIL24P	+5V	70C	-	-	Z999	TII	-
SN74AS869J	AST	CTR	COUNTER,UP/DOWN, LOOK AHEAD	DIL24C	+5V	70C	-	-	Z999	TII	-
SN74AS869N	AST	CTR	COUNTER, UP/DOWN, LOOK AHEAD	DIL24P	+5V	70C	-	-	Z999	TII	-
SN74AS870J	AST	REG	REG,FILE,16WRDX4BT,MUX IO,DUAL	DIL24C	+5V	70C	-	-	Z999	TII	-
SN74AS870N	AST	REG	REG,FILE,16WRDX4BT,MUX IO,DUAL	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74AS871J	AST	REG	REG,FILE,16WRDX4BT,MUX IO,DUAL	DIL24C	+5V	70C	-	-	Z999	TII	-
SN74AS871N	AST	REG	REG,FILE,16WRDX4BT,MUX IO,DUAL	DIL24P	+5V	70C	-	-	Z999	TII	-
SN74AS873J	AST	LCH	LATCH, 2XQUAD,TRANSPT,3S,OCTAL	DIL--C	+5V	70C	-	-	Z999	TII	-
SN74AS873N	AST	LCH	LATCH, 2XQUAD,TRANSPT,3S,OCTAL	DIL--P	+5V	70C	-	-	Z999	TII	-
SN74AS874J	AST	FFD	FF/D, 2XQUAD(=OCTAL), 3S	DIL--C	+5V	70C	-	-	Z999	TII	-
SN74AS874N	AST	FFD	FF/D, 2XQUAD(=OCTAL), 3S	DIL--P	+5V	70C	-	-	Z999	TII	-
SN74AS875J	AST	FFD	QUAD D-TYPE FLIP-FLOP SEP CLR	DIL24C	+5V	70C	-	-	Z999	TII	-
SN74AS875N	AST	FFD	QUAD D-TYPE FLIP-FLOP SEP CLR	DIL24P	+5V	70C	-	-	Z999	TII	-
SN74AS877J	AST	TRX	TRANSCVR,IO STOR,MUXD IO,OCTAL	DIL24C	+5V	70C	-	-	Z999	TII	-
SN74AS877N	AST	TRX	TRANSCVR,IO STOR,MUXD IO,OCTAL	DIL24P	+5V	70C	-	-	Z999	TII	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
SN74AS878J	AST	FFD	FF/D,INV OP,3S,OCTAL(=2XQUAD)	DIL20C	+5V	70C	-	-	Z999	TII	-
SN74AS878N	AST	FFD	FF/D,INV OP,3S,OCTAL(=2XQUAD)	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74AS880J	AST	LCH	LATCH,D TYPE,TRANSP,3S,2XQUAD	DIL20C	+5V	125	-	-	Z999	TII	-
SN74AS880N	AST	LCH	LATCH,D TYPE,TRANSP,3S,2XQUAD	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74AS881J	AST	ALU	ARITHMETIC LOGIC UNIT,4 BIT	DIL24C	+5V	70C	-	-	Z999	TII	-
SN74AS881N	AST	ALU	ARITHMETIC LOGIC UNIT,4 BIT	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74AS882J	AST	ALU	ALU, LOOK AHEAD CARRY GEN	DIL24C	+5V	70C	-	-	Z999	TII	-
SN74AS882N	AST	ALU	ALU, LOOK AHEAD CARRY GEN	DIL24P	+5V	70C	-	-	Z999	TII	-
SN74AS884J	AST	PAR	PARITY CHECKER, 8 BIT, DUAL	DIL24C	+5V	70C	-	-	Z999	TII	-
SN74AS884N	AST	PAR	PARITY CHECKER, 8 BIT, DUAL	DIL24P	+5V	70C	-	-	Z999	TII	-
SN74AS885J	AST	XXX	MAGNITUDE STATUS GENERATOR	DIL24C	+5V	70C	-	-	Z999	TII	-
SN74AS885N	AST	XXX	MAGNITUDE STATUS GENERATOR	DIL24P	+5V	70C	-	-	Z999	TII	-
SN74AS886J	AST	XOR	EXCLUSIVE OR, 2IP, HEX	DIL20C	+5V	70C	-	-	Z999	TII	-
SN74AS886N	AST	XOR	EXCLUSIVE OR, 2IP, HEX	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74AS894J	AST	XXX	SCALER,BINARY/HEXADECIMAL, 3S	DIL24C	+5V	70C	-	-	Z999	TII	-
SN74AS894N	AST	XXX	SCALER,BINARY/HEXADECIMAL, 3S	DIL24P	+5V	70C	-	-	Z999	TII	-
SN74H00 SER	HTL	-	74H SERIES DETAILED SEPARATELY	-	-	70C	-	-	-	TII	-
SN74H00J SER	HTL	-	CER DIL HTL SER DETAILED SEP.	DIL--C	-	70C	-	-	-	TII	-
SN74H00N SER	HTL	-	PLASTIC DIL HTL DETAILED SEPT.	DIL--P	-	70C	-	-	-	TII	-
SN74H00W SER	HTL	-	FLP HTL SERIES DETAILED SEPTLY	FLP---	-	70C	-	-	-	TII	-
SN74H00J	HTL	NAN	NAND, 2IP, QUAD	DIL14C	+5V	70C	40MA	10MXNS	N001	TII	DM74H00J
SN74H00N	HTL	NAN	NAND, 2IP, QUAD	DIL14P	+5V	70C	40MA	10MXNS	N001	TII	DM74H00N
SN74H01J	HTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14C	+5V	70C	40MA	15MXNS	N001	TII	DM74H01J
SN74H01N	HTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	70C	40MA	15MXNS	N001	TII	DM74H01N
SN74H04J	HTL	INV	INVERTER, HEX	DIL14C	+5V	70C	58MA	10MXNS	I001	TII	DM74H04J
SN74H04N	HTL	INV	INVERTER, HEX	DIL14P	+5V	70C	58MA	10MXNS	I001	TII	DM74H04N
SN74H05J	HTL	INV	INVERTER, OC OP, HEX	DIL14C	+5V	70C	58MA	18MXNS	I001	TII	74H05DC
SN74H05N	HTL	INV	INVERTER, OC OP, HEX	DIL14P	+5V	70C	58MA	18MXNS	I001	TII	74H05PC
SN74H10J	HTL	NAN	NAND, 3IP, TRIPLE	DIL14C	+5V	70C	30MA	10MXNS	N004	TII	DM74H10J
SN74H10N	HTL	NAN	NAND, 3IP, TRIPLE	DIL14P	+5V	70C	30MA	10MXNS	N004	TII	DM74H10N
SN74H11J	HTL	AND	AND, 3IP, TRIPLE	DIL14C	+5V	70C	48MA	12MXNS	A003	TII	DM74H11J
SN74H11N	HTL	AND	AND, 3IP, TRIPLE	DIL14P	+5V	70C	48MA	12MXNS	A003	TII	DM74H11N
SN74H15J	HTL	AND	AND, 3IP, OC OP, TRIPLE	DIL14C	+5V	70C	48MA	18MXNS	A003	TII	74S15DC
SN74H15N	HTL	AND	AND, 3IP, OC OP, TRIPLE	DIL14P	+5V	70C	48MA	18MXNS	A003	TII	74S15PC
SN74H20J	HTL	NAN	NAND, 4IP, DUAL	DIL14C	+5V	70C	20MA	10MXNS	N008	TII	DM74H20J
SN74H20N	HTL	NAN	NAND, 4IP, DUAL	DIL14P	+5V	70C	20MA	10MXNS	N008	TII	DM74H20N
SN74H21J	HTL	AND	AND, 4IP, DUAL	DIL14C	+5V	70C	32MA	12MXNS	A005	TII	DM74H21J
SN74H21N	HTL	AND	AND, 4IP, DUAL	DIL14P	+5V	70C	32MA	12MXNS	A005	TII	DM74H21N
SN74H22J	HTL	NAN	NAND, 4IP, OC OP, DUAL	DIL14C	+5V	70C	20MA	15MXNS	N008	TII	74H22DC
SN74H22N	HTL	NAN	NAND, 4IP, OC OP, DUAL	DIL14P	+5V	70C	20MA	15MXNS	N008	TII	74H22PC
SN74H30J	HTL	NAN	NAND, 8IP	DIL14C	+5V	70C	10MA	12MXNS	N010	TII	DM74H30J
SN74H30N	HTL	NAN	NAND, 8IP	DIL14P	+5V	70C	10MA	12MXNS	N010	TII	DM74H30N
SN74H40J	HTL	NAN	NAND, BUFFER, 4IP, DUAL	DIL14C	+5V	70C	40MA	12MXNS	N008	TII	DM74H40J
SN74H40N	HTL	NAN	NAND, BUFFER, 4IP, DUAL	DIL14P	+5V	70C	40MA	12MXNS	N008	TII	DM74H40N
SN74H50J	HTL	AOI	AOI, 2IP(1EXPDBLE) 2WIDE, DUAL	DIL14C	+5V	70C	24MA	11MXNS	Y001	TII	DM74H50J
SN74H50N	HTL	AOI	AOI, 2IP(1EXPDBLE) 2WIDE, DUAL	DIL14P	+5V	70C	24MA	11MXNS	Y001	TII	DM74H50N
SN74H51J	HTL	AOI	AOI, 2IP, 2WIDE, DUAL	DIL14C	+5V	70C	24MA	11MXNS	Y003	TII	DM74H51J
SN74H51N	HTL	AOI	AOI, 2IP, 2WIDE, DUAL	DIL14P	+5V	70C	24MA	11MXNS	Y003	TII	DM74H51N
SN74H52J	HTL	AOR	AND/OR, 2-2-2-3IP, EXPANDABLE	DIL14C	+5V	70C	31MA	15MXNS	Y006	TII	74H52DC
SN74H52N	HTL	AOR	AND/OR, 2-2-2-3IP, EXPANDABLE	DIL14P	+5V	70C	31MA	15MXNS	Y006	TII	74H52PC
SN74H53J	HTL	AOI	AND/OR INVERT,2-2-2-3IP,EXPDBL	DIL14C	+5V	70C	14MA	15MXNS	Y009	TII	74H53DC
SN74H53N	HTL	ADI	AND/OR INVERT,2-2-2-3IP,EXPDBL	DIL14P	+5V	70C	14MA	15MXNS	Y009	TII	74H53PC
SN74H54J	HTL	AOI	AND/OR INVERT,2-2-2-3IP	DIL14C	+5V	70C	14MA	11MXNS	Y013	TII	74H54DC
SN74H54N	HTL	AOI	AND/OR INVERT,2-2-2-3IP	DIL14P	+5V	70C	14MA	11MXNS	Y013	TII	74H54PC
SN74H55J	HTL	AOI	AND/OR INVERT,4IP 2WIDE,EXPDBL	DIL14C	+5V	70C	11MA	20MXNS	Y017	TII	54H55DC
SN74H55N	HTL	AOI	AND/OR INVERT,4IP 2WIDE,EXPDBL	DIL14P	+5V	70C	11MA	20MXNS	Y017	TII	54H55PC
SN74H60J	HTL	EXP	EXPANDER, 4IP,OC,FOR AOI, DUAL	DIL14C	+5V	70C	4.5MA	-	E001	TII	74H60DC
SN74H60N	HTL	EXP	EXPANDER, 4IP,OC,FOR AOI, DUAL	DIL14P	+5V	70C	4.5MA	-	E001	TII	74H60PC
SN74H61J	HTL	EXP	EXPANDER,3IP,OC,FOR AOI,TRIPLE	DIL14C	+5V	70C	16MA	-	E003	TII	74H61DC
SN74H61N	HTL	EXP	EXPANDER,3IP,OC,FOR AOI,TRIPLE	DIL14P	+5V	70C	16MA	-	E003	TII	74H61PC
SN74H62J	HTL	EXP	EXPANDER,2-2-3-3IP,OC,FOR AO	DIL14C	+5V	70C	9MA	-	E005	TII	DM74H62J
SN74H62N	HTL	EXP	EXPANDER,2-2-2-3IP,OC,FOR AO	DIL14P	+5V	70C	9MA	-	E005	TII	DM74H62N
SN74H71J	HTL	FFJ	FF/JK, MSTR SLVE,AO GTD,S/R/CK	DIL14C	+5V	70C	30MA	25MXMHZ	F003	TII	74H71DC
SN74H71N	HTL	FFJ	FF/JK, MSTR SLVE,AO GTD,S/R/CK	DIL14P	+5V	70C	30MA	25MXMHZ	F003	TII	74H71PC
SN74H72N	HTL	FFJ	FF/JK,MASTER SLVE,A GTD,S/R/CK	DIL14P	+5V	70C	25MA	25MXMHZ	F005	TII	74H72PC
SN74H73AJ	HTL	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	DIL14C	+5V	70C	-	-	F007	TII	-
SN74H73AN	HTL	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	DIL14P	+5V	70C	-	-	F007	TII	-
SN74H73J	HTL	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	DIL14C	+5V	70C	50MA	25MXMHZ	F007	TII	74H73DC
SN74H73N	HTL	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	DIL14P	+5V	70C	50MA	25MXMHZ	F007	TII	74H73PC
SN74H74J	HTL	FFJ	FF/D, +EDG TRG,SEP S/R/CK,DUAL	DIL14C	+5V	70C	50MA	35MXMHZ	F008	TII	DM74H74J
SN74H74N	HTL	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	DIL14P	+5V	70C	50MA	35MXMHZ	F008	TII	DM74H74N
SN74H76J	HTL	FFD	FF/JK, M-S, SEP S/R/CK, DUAL	DIL16C	+5V	70C	50MA	25MXMHZ	F010	TII	74H76DC
SN74H76N	HTL	FFJ	FF/JK, M-S, SEP S/R/CK, DUAL	DIL16P	+5V	70C	50MA	25MXMHZ	F010	TII	74H76PC
SN74H78J	HTL	FFJ	FF/JK,M-S,COMM R/CK,SEP S,DUAL	DIL14C	+5V	70C	50MA	25MXMHZ	F011	TII	74H78DC
SN74H78N	HTL	FFJ	FF/JK,M-S,COMM R/CK,SEP S,DUAL	DIL14P	+5V	70C	50MA	25MXMHZ	F011	TII	74H78PC

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
SN74H87J	HTL	XXX	TRUE/COMP,4BT,ZERO/ONE,ELEMENT	DIL14C	+5V	70C	89	25MXNS	Z006	TII	74H87DC
SN74H87N	HTL	XXX	TRUE/COMP,4BT,ZERO/ONE,ELEMENT	DIL14P	+5V	70C	89MA	25MXNS	Z006	TII	74H87PC
SN74H101J	HTL	FFJ	FF/JK, NEG ET,S/CK, AO GTD IPS	DIL14C	+5V	70C	38MA	40MXMHZ	F013	TII	74H101DC
SN74H101N	HTL	FFJ	FF/JK, NEG ET,S/CK, AO GTD IPS	DIL14P	+5V	70C	38MA	40MXMHZ	F013	TII	74H101PC
SN74H102J	HTL	FFJ	FF/JK, NEG ET,R/S/CK,A GTD IPS	DIL14C	+5V	70C	38MA	40MXMHZ	F015	TII	74H102DC
SN74H102N	HTL	FFJ	FF/JK, NEG ET,R/S/CK,A GTD IPS	DIL14P	+5V	70C	38MA	40MXMHZ	F015	TII	74H102PC
SN74H103J	HTL	FFJ	FF/JK, NEG ET,SEP R/CK, DUAL	DIL14C	+5V	70C	76MA	40MXMHZ	F017	TII	74H103DC
SN74H103N	HTL	FFJ	FF/JK, NEG ET,SEP R/CK, DUAL	DIL14P	+5V	70C	76MA	40MXMHZ	F017	TII	74H103PC
SN74H106J	HTL	FFJ	FF/JK, NEG ET,SEP S/R/CK, DUAL	DIL16C	+5V	70C	76MA	40MXMHZ	F018	TII	74H106DC
SN74H106N	HTL	FFJ	FF/JK NEG ET,SEP S/R/CK, DUAL	DIL16P	+5V	70C	76MA	40MXMHZ	F018	TII	74H106PC
SN74H108J	HTL	FFJ	FF/JK, -ET,COM R/CK,SEP S,DUAL	DIL14C	+5V	70C	76MA	40MXMHZ	F020	TII	74H108DC
SN74H108N	HTL	FFJ	FF/JK, -ET,COM R/CK,SEP S,DUAL	DIL14P	+5V	70C	76MA	40MXMHZ	F020	TII	74H108PC
SN74H183J	HTL	ADD	ADDER,FULL, CARRY-SAVE, DUAL	DIL14C	+5V	70C	75MA	18MXNS	Z011	TII	74H183DC
SN74H183N	HTL	ADD	ADDER,FULL, CARRY-SAVE, DUAL	DIL14P	+5V	70C	75MA	18MXNS	Z011	TII	74H183PC
SN74L00 SER	LTL	-	74L SERIES DETAILED SEPARATELY	-	-	70C	-	-	-	TII	-
SN74L00 SER	LTL	-	ALTERNATE SOURCE SN74L00 SER	-	-	70C	-	-	-	ADM	-
SN74L00J SER	LTL	-	CER DIL LTL SER. DETAILED SEP.	DIL--C	-	70C	-	-	-	TII	-
SN74L00N SER.	LTL	-	PLASTIC DIL LTL DETAILED SEPT.	DIL--P	-	70C	-	-	-	TII	-
SN74L00T SER	LTL	-	FLP LTL SERIES DETAILED SEPTLY	FLP---	-	70C	-	-	-	TII	-
SN74L00J	LTL	NAN	NAND, 2IP, QUAD	DIL14C	+5V	70C	2MA	60MXNS	N001	TII	ZN74L00J
SN74L00N	LTL	NAN	NAND, 2IP, QUAD	DIL14P	+5V	70C	2MA	60MXNS	N001	TII	ZN74L00J
SN74L02J	LTL	NOR	NOR, 2IP, QUAD	DIL14C	+5V	70C	2.6MA	60MXNS	Q001	TII	ZN74L02J
SN74L02N	LTL	NOR	NOR, 2IP, QUAD	DIL14P	+5V	70C	2.6MA	60MXNS	Q001	TII	ZN74L02J
SN74L02T	LTL	NOR	NOR, 2IP, QUAD	FLP14	+5V	70C	2.6MA	60MXNS	Q002	TII	-
SN74L03J	LTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14C	+5V	70C	2MA	90MXNS	N001	TII	ZN74L03J
SN74L03N	LTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	70C	-	90MXNS	N001	TII	ZN74L03J
SN74L04J	LTL	INV	INVERTER, HEX	DIL14C	+5V	70C	3MA	60MXNS	I001	TII	ZN74L04J
SN74L04N	LTL	INV	INVERTER, HEX	DIL14P	+5V	70C	3MA	60MXNS	I001	TII	DM74L04N
SN74L10J	LTL	NAN	NAND, 3IP, TRIPLE	DIL14C	+5V	70C	1.5MA	60MXNS	N004	TII	ZN74L10J
SN74L10N	LTL	NAN	NAND, 3IP, TRIPLE	DIL14P	+5V	70C	1.5MA	60MXNS	N004	TII	ZN74L10J
SN74L20J	LTL	NAN	NAND, 4IP, DUAL	DIL14C	+5V	70C	1MA	60MXNS	N008	TII	ZN74L20J
SN74L20N	LTL	NAN	NAND, 4IP, DUAL	DIL14P	+5V	70C	1MA	60MXNS	N008	TII	ZN74L20J
SN74L30J	LTL	NAN	NAND, 8IP	DIL14C	+5V	70C	51MA	100MXNS	N010	TII	ZN74L30J
SN74L30N	LTL	NAN	NAND, 8IP	DIL14P	+5V	70C	51MA	100MXNS	N010	TII	ZN74L30J
SN74L42J	LTL	DCD	DECODER, BCD-DECIMAL,4-10 LINE	DIL16C	+5V	70C	28MA	70MXNS	D001	TII	ZN74L42J
SN74L42N	LTL	DCD	DECODER, BCD-DECIMAL,4-10 LINE	DIL16P	+5V	70C	28MA	70MXNS	D001	TII	ZN74L42J
SN74L43J	LTL	DCD	DECODER, EXC.3-DECIMAL,4-10 LN	DIL16C	+5V	70C	28MA	70MXNS	D001	TII	-
SN74L43N	LTL	DCD	DECODER, EXC.3-DECIMAL,4-10 LN	DIL16P	+5V	70C	28MA	70MXNS	D001	TII	-
SN74L44J	LTL	DCD	DECODER,EXC.3 GRAY-DEC,4-10 LN	DIL16C	+5V	70C	28MA	70MXNS	D001	TII	-
SN74L44N	LTL	DCD	DECODER,EXC.3 GRAY-DEC,4-10 LN	DIL16P	+5V	70C	28MA	70MXNS	D001	TII	-
SN74L46J	LTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 30V	DIL16C	+5V	70C	52MA	200MXNS	D011	TII	-
SN74L46N	LTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 30V	DIL16P	+5V	70C	52MA	200MXNS	D011	TII	-
SN74L47J	LTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 15V	DIL16C	+5V	70C	52MA	200MXNS	D011	TII	74LS47DC
SN74L47N	LTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 15V	DIL16P	+5V	70C	52MA	200MXNS	D011	TII	74LS47PC
SN74L51J	LTL	AOI	AOI, 2IP, 2WIDE, DUAL	DIL14C	+5V	70C	1.3MA	90MXNS	Y004	TII	ZN54L51J
SN74L51N	LTL	AOI	AOI, 2IP, 2WIDE, DUAL	DIL14P	+5V	70C	1.3MA	90MXNS	Y004	TII	ZN54L51J
SN74L54J	LTL	AOI	AND/OR INVERT,2-2-2-3IP	DIL14C	+5V	70C	1MA	90MXNS	Y014	TII	ZN74L54J
SN74L54N	LTL	AOI	AND/OR INVERT,2-2-2-3IP	DIL14P	+5V	70C	1MA	90MXNS	Y014	TII	ZN74L54J
SN74L55J	LTL	AOI	AND/OR INVERT,4IP 2WIDE,EXPDBL	DIL14C	+5V	70C	.65MA	90MXNS	Y018	TII	ZN74L55J
SN74L55N	LTL	AOI	AND/OR INVERT,4IP 2WIDE,EXPDBL	DIL14P	+5V	70C	.65MA	90MXNS	Y018	TII	ZN74L55N
SN74L71J	LTL	FFJ	FF/JK, MSTR SLVE,AO GTD,S/R/CK	DIL14C	+5V	70C	1.5MA	2.5MXMHZ	F005	TII	DM74L71J
SN74L71N	LTL	FFJ	FF/JK, MSTR SLVE,AO GTD,S/R/CK	DIL14P	+5V	70C	1.5MA	2.5MXMHZ	F005	TII	DM74L71N
SN74L72J	LTL	FFJ	FF/JK,MASTER SLVE,A GTD,S/R/CK	DIL14C	+5V	70C	1.5MA	2.5MXMHZ	F005	TII	DM74L72J
SN74L72N	LTL	FFJ	FF/JK,MASTER SLVE,A GTD,S/R/CK	DIL14P	+5V	70C	1.5MA	2.5MXMHZ	F005	TII	DM74L72N
SN74L73AJ	LTL	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	DIL14C	+5V	70C	-	-	F007	TII	-
SN74L73AN	LTL	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	DIL14P	+5V	70C	-	-	F007	TII	-
SN74L73J	LTL	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	DIL14C	+5V	70C	3MA	6MXMHZ	F007	TII	ZN74L73J
SN74L73N	LTL	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	DIL14P	+5V	70C	1.5MA	2.5MXMHZ	F007	TII	ZN74L73J
SN74L74J	LTL	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	DIL14C	+5V	70C	1.5MA	2.5MXMHZ	F008	TII	ZN74L74J
SN74L74N	LTL	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	DIL14P	+5V	70C	1.5MA	2.5MXMHZ	F008	TII	ZN74L74J
SN74L75J	LTL	LCH	LATCH,FF/D,2BT,TRANSP,2OP,DUAL	DIL16C	+5V	70C	27MA	80MXNS	L001	TII	ZN74L75J
SN74L75N	LTL	LCH	LATCH,FF/D,2BT,TRANSP,2OP,DUAL	DIL16P	+5V	70C	27MA	80MXNS	L001	TII	ZN74L75J
SN74L75AJ	LTL	LCH	LATCH,FF/D,2BT,TRANSP,2OP,DUAL	DIL16C	+5V	70C	5MA	120MXNS	L001	TII	DM74L75AJ
SN74L77T	LTL	LCH	LATCH,FF/D,2BT,TRANSP,1OP,DUAL	FLP14	+5V	125	27MA	80MXNS	L002	TII	DM74LS77W
SN74L78J	LTL	FFJ	FF/JK,M-S,COMM R/CK,SEP S,DUAL	DIL14C	+5V	70C	1.5MA	2.5MXMHZ	F012	TII	DM74L78J
SN74L78N	LTL	FFJ	FF/JK,M-S,COMM R/CK,SEP S,DUAL	DIL14P	+5V	70C	1.5MA	2.5MXMHZ	F012	TII	DM74L78N
SN74L85J	LTL	CMP	COMPARATOR, MAGNITUDE, 4 BIT	DIL16C	+5V	70C	7.7MA	150MXNS	Z005	TII	ZN74L85J
SN74L85N	LTL	CMP	COMPARATOR, MAGNITUDE, 4 BIT	DIL16P	+5V	70C	7.7MA	150MXNS	Z005	TII	ZN74L85J
SN74L86J	LTL	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14C	+5V	70C	6.7MA	150MXNS	X001	TII	ZN74L86J
SN74L86N	LTL	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14P	+5V	70C	6.7MA	150MXNS	X001	TII	ZN74L86J
SN74L90J	LTL	CTR	COUNTER, DECADE,2X5 DIV,RIPPLE	DIL14C	+5V	70C	6.6MA	3MXMHZ	C001	TII	ZN74L90J
SN74L90N	LTL	CTR	COUNTER, DECADE,2X5 DIV,RIPPLE	DIL14P	+5V	70C	6.6MA	3MXMHZ	C001	TII	ZN74L90J
SN74L91J	LTL	SRG	SHIFT REG, 8BT,SISO,GATED IP	DIL14C	+5V	70C	6.6MA	3MXMHZ	R001	TII	ZN74L91J
SN74L91N	LTL	SRG	SHIFT REG, 8BT,SISO,GATED IP	DIL14P	+5V	70C	6.6MA	3MXMHZ	R001	TII	ZN74L91J
SN74L93J	LTL	CTR	COUNTER,4BT BIN,2X8 DIV,RIPPLE	DIL14C	+5V	70C	6.6MA	3MXMHZ	C020	TII	ZN74L93J

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
SN74L93N	LTL	CTR	COUNTER,4BT BIN,2X8 DIV,RIPPLE	DIL14P	+5V	70C	6.6MA	3MXMHZ	C020	TII	ZN74L93J
SN74L95J	LTL	SRG	SHIFT REG,4BIT,L/R SHIFT, PIPO	DIL14C	+5V	70C	9MA	3MXMHZ	R035	TII	ZN74L95J
SN74L95N	LTL	SRG	SHIFT REG,4BIT,L/R SHIFT, PIPO	DIL14P	+5V	70C	9MA	3MXMHZ	R035	TII	ZN74L95J
SN74L96J	LTL	SRG	SHIFT REG, 5BT,1 SET,PISO/SIPO	DIL16C	+5V	70C	40MA	110MXNS	R005	TII	ZN74L96J
SN74L96N	LTL	SRG	SHIFT REG, 5BT,1 SET,PISO/SIPO	DIL16P	+5V	70C	40MA	110MXNS	R005	TII	ZN74L96J
SN74L98J	LTL	SEL	DATA SELECTOR,STORAGE REG, 4BT	DIL16C	+5V	70C	9MA	200MXNS	M016	TII	DM74L98J
SN74L98N	LTL	SEL	DATA SELECTOR,STORAGE REG, 4BT	DIL16P	+5V	70C	9MA	200MXNS	M016	TII	DM74L98N
SN74L121J	LTL	MON	MONOSTABLE MULTI, SCHMITT TRIG	DIL14C	+5V	70C	20MA	160MXNS	U001	TII	-
SN74L121N	LTL	MON	MONOSTABLE MULTI, SCHMITT TRIG	DIL14P	+5V	70C	20MA	160MXNS	U001	TII	-
SN74L122J	LTL	MON	MONOSTABLE,MULTI,RETRIG,WITH R	DIL14C	+5V	70C	33MA	80MXNS	U002	TII	ZN74L122J
SN74L122N	LTL	MON	MONOSTABLE,MULTI,RETRIG,WITH R	DIL14P	+5V	70C	33MA	80MXNS	U002	TII	ZN74L122J
SN74L123J	LTL	MON	MONOSTABLE,MULTI,RETRIG, DUAL	DIL16C	+5V	70C	33MA	80MXNS	U003	TII	DM74L123AJ
SN74L123N	LTL	MON	MONOSTABLE,MULTI,RETRIG, DUAL	DIL16P	+5V	70C	33MA	80MXNS	U003	TII	DM74L123AN
SN74L153J	LTL	MUX	MUX/DATA SELECTOR,4-1 LIN,DUAL	DIL16C	+5V	70C	30MA	68MXNS	M004	TII	DM74L153AJ
SN74L153N	LTL	MUX	MUX/DATA SELECTOR,4-1 LIN,DUAL	DIL16P	+5V	70C	30MA	68MXNS	M004	TII	DM74L153AN
SN74L154J	LTL	DCD	DECODER/DEMUX, 4-TO-16 LINE	DIL24C	+5V	70C	28MA	72MXNS	D009	TII	DM74L154AJ
SN74L154N	LTL	DCD	DECODER/DEMUX, 4-TO-16 LINE	DIL24P	+5V	70C	28MA	72MXNS	D009	TII	DM74L154AN
SN74L157J	LTL	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	DIL16C	+5V	70C	24MA	54MXNS	M005	TII	DM74L157AJ
SN74L157N	LTL	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	DIL16P	+5V	70C	24MA	54MXNS	M005	TII	DM74L157AN
SN74L164J	LTL	SRG	SHIFT REGISTER, 8 BIT, SIPO	DIL14C	+5V	70C	27MA	12MXMHZ	R006	TII	ZN74L164J
SN74L164N	LTL	SRG	SHIFT REGISTER, 8 BIT, SIPO	DIL14P	+5V	70C	27MA	12MXMHZ	R006	TII	ZN74L164J
SN74L192J	LTL	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	DIL16C	+5V	70C	15MA	3MXMHZ	C009	TII	ZN74L192J
SN74L192N	LTL	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	DIL16P	+5V	70C	15MA	3MXMHZ	C009	TII	DM74L192N
SN74L193J	LTL	CTR	COUNTER,HEX,UP/DWN,SYNC,2CK,3S	DIL16C	+5V	70C	15MA	3MXMHZ	C009	TII	ZN74L193J
SN74L193N	LTL	CTR	COUNTER,HEX,UP/DWN,SYNC,2CK,3S	DIL16P	+5V	70C	15MA	3MXMHZ	C009	TII	DM74L193N
SN74LS00 SER	LST	-	ALTERNATE SOURCE SN74LS00 SER.	-	-	70C	-	-	-	ADM	-
SN74LS00 SER	LST	-	ALTERNATE SOURCE SN74LS00 SER.	-	-	70C	-	-	-	MMI	-
SN74LS00 SER	LST	-	ALTERNATE SOURCE SN74LS00 SER.	-	-	70C	-	-	-	MOT	-
SN74LS00 SER	LST	-	74LS SERIES DETAILED SEPARATE	-	-	70C	-	-	-	TII	-
SN74LS00J SER	LST	-	CER DIL LST SER DETAILED SEP	DIL--C	-	70C	-	-	-	TII	-
SN74LS00N SER	LST	-	PLASTIC DIL LST DETAILED SEPT	DIL--P	-	70C	-	-	-	TII	-
SN74LS00W SER	LST	-	FLP LST SERIES DETAILED SEPTLY	FLP---	-	70C	-	-	-	TII	-
SN74LS00J	LST	NAN	NAND, 2IP, QUAD	DIL14C	+5V	70C	4.4MA	15MXNS	N001	TII	DM74LS00J
SN74LS00N	LST	NAN	NAND, 2IP, QUAD	DIL14P	+5V	70C	4.4MA	15MXNS	N001	TII	DM74LS00N
SN74LS00N3 SR	LST	-	PEP3 HI REL VERSN SN74LS00N3 S	DIL--P	+5V	70C	4.4MA	-	-	TII	-
SN74LS01J	LST	NAN	NAND, 2IP, OC OP, QUAD	DIL14C	+5V	70C	4.4MA	32MXNS	N003	TII	DM74LS01J
SN74LS01N	LST	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	70C	4.4MA	32MXNS	N003	TII	DM74LS01N
SN74LS02J	LST	NOR	NOR, 2IP, QUAD	DIL14C	+5V	70C	5.4MA	15MXNS	Q001	TII	DM74LS02J
SN74LS02N	LST	NOR	NOR, 2IP, QUAD	DIL14P	+5V	70C	5.4MA	15MXNS	Q001	TII	DM74LS02N
SN74LS03J	LST	NAN	NAND, 2IP, OC OP, QUAD.	DIL14C	+5V	70C	4.4MA	32MXNS	N001	TII	DM74LS03J
SN74LS03N	LST	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	70C	4.4MA	32MXNS	N001	TII	DM74LS03N
SN74LS04J	LST	INV	INVERTER, HEX	DIL14C	+5V	70C	6.6MA	15MXNS	I001	TII	DM74LS04J
SN74LS04N	LST	INV	INVERTER, HEX	DIL14P	+5V	70C	6.6MA	15MXNS	I001	TII	DM74LS04N
SN74LS05J	LST	INV	INVERTER, OC OP, HEX	DIL14C	+5V	70C	6.6MA	32MXNS	I001	TII	DM74LS05J
SN74LS08J.	LST	AND	AND, 2IP, QUAD	DIL14C	+5V	70C	8.8MA	20MXNS	A001	TII	DM74LS08J
SN74LS08N	LST	AND	AND, 2IP, QUAD	DIL14P	+5V	70C	8.8MA	20MXNS	A001	TII	DM74LS08J
SN74LS09J	LST	AND	AND, 2IP, OC OP, QUAD	DIL14C	+5V	70C	8.8MA	35MXNS	A001	TII	DM74LS09J
SN74LS09N	LST	AND	AND, 2IP, OC OP, QUAD	DIL14P	+5V	70C	8.8MA	35MXNS	A001	TII	DM74LS09N
SN74LS10J	LST	NAN	NAND, 3IP, TRIPLE	DIL14C	+5V	70C	3.3MA	15MXNS	N004	TII	DM74LS10J
SN74LS10N	LST	NAN	NAND, 3IP, TRIPLE	DIL14P	+5V	70C	3.3MA	15MXNS	N004	TII	DM74LS10N
SN74LS11J	LST	AND	AND, 3IP, TRIPLE	DIL14C	+5V	70C	6.6MA	20MXNS	A003	TII	DM74LS11J
SN74LS11N	LST	AND	AND, 3IP, TRIPLE	DIL14P	+5V	70C	6.6MA	20MXNS	A003	TII	DM74LS11N
SN74LS12J	LST	NAN	NAND, 3IP, OC OP, TRIPLE	DIL14C	+5V	70C	3.3MA	32MXNS	N004	TII	DM74LS12J
SN74LS12N	LST	NAN	NAND, 3IP, OC OP, TRIPLE	DIL14P	+5V	70C	3.3MA	32MXNS	N004	TII	DM74LS12N
SN74LS13J	LST	NAN	NAND, 4IP, SCHMITT, DUAL	DIL14C	+5V	70C	7MA	27MXNS	N007	TII	DM54LS13J
SN74LS13W	LST	NAN	NAND, 4IP, SCHMITT, DUAL	FLP14	+5V	70C	7MA	27MXNS	N007	TII	DM74LS13W
SN74LS14J	LST	SCH	INVERTER, SCHMITT, HEX	DIL14C	+5V	70C	21MA	22MXNS	I004	TII	DM74LS14J
SN74LS14N	LST	SCH	INVERTER, SCHMITT, HEX	DIL14P	+5V	70C	21MA	22MXNS	I004	TII	N74LS14N
SN74LS15J	LST	AND	AND, 3IP, OC OP, TRIPLE	DIL14C	+5V	70C	6.6MA	35MXNS	A003	TII	DM74LS15J
SN74LS15N	LST	AND	AND, 3IP, OC OP, TRIPLE	DIL14P	+5V	70C	6.6MA	35MXNS	A003	TII	DM74LS15N
SN74LS20J	LST	NAN	NAND, 4IP, DUAL	DIL14C	+5V	70C	2.2MA	15MXNS	N008	TII	DM74LS20J
SN74LS20N	LST	NAN	NAND, 4IP, DUAL	DIL14P	+5V	70C	2.2MA	15MXNS	N008	TII	DM74LS20N
SN74LS21J	LST	AND	AND, 4IP, DUAL	DIL14C	+5V	70C	4.4MA	20MXNS	A005	TII	DM74LS21J
SN74LS21N	LST	AND	AND, 4IP, DUAL	DIL14P	+5V	70C	4.4MA	20MXNS	A005	TII	DM74LS21N
SN74LS22J	LST	NAN	NAND, 4IP, OC OP, DUAL	DIL14C	+5V	70C	2.2MA	32MXNS	N008	TII	DM74LS22J
SN74LS22N	LST	NAN	NAND, 4IP, OC OP, DUAL	DIL14P	+5V	70C	2.2MA	32MXNS	N008	TII	DM74LS22N
SN74LS26J	LST	NAN	NAND, 2IP, OC 15V OP, QUAD	DIL14C	+5V	70C	4.4MA	32MXNS	N001	TII	DM74LS26J
SN74LS26N	LST	NAN	NAND, 2IP, OC 15V OP, QUAD	DIL14P	+5V	70C	4.4MA	32MXNS	N001	TII	DM74LS26N
SN74LS27J	LST	NOR	NOR, 3IP, TRIPLE	DIL14C	+5V	70C	6.8MA	15MXNS	Q005	TII	DM74LS27J
SN74LS27N	LST	NOR	NOR, 3IP, TRIPLE	DIL14P	+5V	70C	6.8MA	15MXNS	Q005	TII	DM74LS27N
SN74LS28J	LST	NOR	NOR, BUFFER, 2IP, QUAD	DIL14C	+5V	70C	14MA	24MXNS	Q001	TII	N74LS28F
SN74LS28N	LST	NOR	NOR, BUFFER, 2IP, QUAD	DIL14P	+5V	70C	14MA	24MXNS	Q001	TII	N74LS28N
SN74LS30J	LST	NAN	NAND, 8IP	DIL14C	+5V	70C	1.1MA	20MXNS	N010	TII	DM74LS30J
SN74LS30N	LST	NAN	NAND, 8IP	DIL14P	+5V	70C	1.1MA	20MXNS	N010	TII	DM74LS30N
SN74LS32J	LST	ORG	OR, 2IP, QUAD	DIL14C	+5V	70C	9.8MA	22MXNS	O001	TII	DM74LS32J

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
SN74LS32N	LST	ORG	OR, 2IP, QUAD	DIL14P	+5V	70C	9.8MA	22MXNS	Q001	TII	DM74LS32N
SN74LS33J	LST	NOR	NOR, 2IP, OC OP, QUAD	DIL14C	+5V	70C	14MA	32MXNS	Q001	TII	N74LS33F
SN74LS33N	LST	NOR	NOR, 2IP, OC OP, QUAD	DIL14P	+5V	70C	14MA	32MXNS	Q001	TII	N74LS33N
SN74LS37J	LST	NAN	NAND, BUFFER, 2IP, QUAD	DIL14C	+5V	70C	12MA	24MXNS	N001	TII	DM74LS37J
SN74LS37N	LST	NAN	NAND, BUFFER, 2IP, QUAD	DIL14P	+5V	70C	12MA	24MXNS	N001	TII	DM74LS37N
SN74LS38J	LST	NAN	NAND, BUFFER, 2IP, OC OP, QUAD	DIL14C	+5V	70C	12MA	32MXNS	N001	TII	DM74LS38J
SN74LS38N	LST	NAN	NAND, BUFFER, 2IP, OC OP, QUAD	DIL14P	+5V	70C	12MA	32MXNS	N001	TII	DM74LS38N
SN74LS40J	LST	NAN	NAND, BUFFER, 4IP, DUAL	DIL14C	+5V	70C	6MA	24MXNS	N008	TII	DM74LS40J
SN74LS40N	LST	NAN	NAND, BUFFER, 4IP, DUAL	DIL14P	+5V	70C	6MA	24MXNS	N008	TII	DM74LS40N
SN74LS42J	LST	DCD	DECODER, BCD-DECIMAL,4-10 LINE	DIL16C	+5V	70C	13MA	30MXNS	D001	TII	DM74LS42J
SN74LS42N	LST	DCD	DECODER, BCD-DECIMAL,4-10 LINE	DIL16P	+5V	70C	13MA	30MXNS	D001	TII	DM74LS42N
SN74LS47J	LST	DSP	DECODER/DRIVER,BCD-7SGT,OC 15V	DIL16C	+5V	70C	13MA	100MXNS	D011	TII	DM74LS47J
SN74LS47N	LST	DSP	DECODER/DRIVER,BCD-7SGT,OC 30V	DIL16P	+5V	70C	13MA	100MXNS	D011	TII	DM74LS47N
SN74LS48J	LST	DSP	DECODER,BCD-7SGT,INTERN PULLUP	DIL16C	+5V	70C	38MA	100MXNS	D011	TII	DM74LS48J
SN74LS49J	LST	DSP	DECODER,BCD-7SGT,OC, ACT HI	DIL16C	+5V	70C	15MA	100MXNS	D004	TII	DM54LS49J
SN74LS49W	LST	DSP	DECODER,BCD-7SGT,OC, ACT HI	FLP16	+5V	70C	15MA	100MXNS	D004	TII	DM74LS49W
SN74LS51J	LST	AOI	AOI, 2IP, 2WIDE, DUAL	DIL14C	+5V	70C	2.8MA	20MXNS	Y004	TII	DM74LS51J
SN74LS51N	LST	AOI	AOI, 2IP, 2WIDE, DUAL	DIL14P	+5V	70C	2.8MA	20MXNS	Y004	TII	DM74LS51N
SN74LS54J	LST	AOI	AND/OR INVERT,2-2-2-3IP	DIL14C		70C	2MA	20MXNS	Y013	TII	DM74LS54J
SN74LS54N	LST	AOI	AND/OR INVERT,2-2-2-3IP	DIL14P	+5V	70C	2MA	20MXNS	Y013	TII	DM74LS54N
SN74LS55J	LST	ADI	AND/OR INVERT,4IP 2WIDE,EXPDBL	DIL14C	+5V	70C	1.3MA	20MXNS	Y017	TII	DM74LS55J
SN74LS55N	LST	AOI	AND/OR INVERT,4IP 2WIDE,EXPDBL	DIL14P	+5V	70C	1.3MA	20MXNS	Y017	TII	DM74LS55N
SN74LS63J	LST	XXX	CURRENT SENSING GATE,IFACE,HEX	DIL14C	+5V	70C	16MA	45MXNS	B015	TII	-
SN74LS63N	LST	XXX	CURRENT SENSING GATE,IFACE,HEX	DIL14P	+5V	70C	16MA	45MXNS	B015	TII	-
SN74LS73AJ	LST	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	DIL14C	+5V	70C	6MA	30MXMHZ	F007	TII	-
SN74LS73AN	LST	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	DIL14P	+5V	70C	6MA	30MXMHZ	F007	TII	-
SN74LS73J	LST	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	DIL14C	+5V	70C	8MA	30MXMHZ	F007	TII	DM74LS73J
SN74LS73N	LST	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	DIL14P	+5V	70C	8MA	30MXMHZ	F007	TII	DM74LS73N
SN74LS74J	LST	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	DIL14C	+5V	70C	8MA	30MXMHZ	F008	TII	DM74LS74J
SN74LS74N	LST	FFD	FF/D, +EDG TRG.SEP S/R/CK,DUAL	DIL14P	+5V	70C	8MA	30MXMHZ	F008	TII	DM74LS74N
SN74LS75J	LST	LCH	LATCH,FF/D,2BT,TRANSP,2OP,DUAL	DIL16C	+5V	70C	12MA	80MXNS	L001	TII	DM74LS75J
SN74LS75N	LST	LCH	LATCH,FF/D,2BT,TRANSP,2OP,DUAL	DIL16P	+5V	70C	12MA	80MXNS	L001	TII	DM74LS75N
SN74LS76AJ	LST	FFJ	FF/JK, M-S, SEP S/R/CK, DUAL	DIL16C	+5V	70C	6MA	30MXMHZ	F010	TII	-
SN74LS76AN	LST	FFJ	FF/JK, M-S, SEP S/R/CK, DUAL	DIL16P	+5V	70C	6MA	30MXMHZ	F010	TII	-
SN74LS76J	LST	FFJ	FF/JK, M-S, SEP S/R/CK, DUAL	DIL16C	+5V	70C	8MA	30MXMHZ	F010	TII	DM74LS76J
SN74LS76N	LST	FFJ	FF/JK, M-S, SEP S/R/CK, DUAL	DIL16P	+5V	70C	8MA	30MXMHZ	F010	TII	DM74LS76N
SN74LS78AJ	LST	FFJ	FF/JK,M-S,COMM R/CK,SEP S,DUAL	DIL14C	+5V	70C	6MA	30MXMHZ	F012	TII	-
SN74LS78AN	LST	FFJ	FF/JK,M-S,COMM R/CK,SEP S,DUAL	DIL14P	+5V	70C	6MA	30MXMHZ	F012	TII	-
SN74LS78J	LST	FFJ	FF/JK,M-S,COMM R/CK,SEP S,DUAL	DIL14C	+5V	70C	8MA	30MXMHZ	F012	TII	DM74LS78J
SN74LS78N	LST	FFJ	FF/JK,M-S,COMM R/CK,SEP S,DUAL	DIL14P	+5V	70C	8MA	30MXMHZ	F012	TII	DM74LS78N
SN74LS83AJ	LST	ADD	ADDER,FULL,4BT BINARY,FST CRRY	DIL16C	+5V	70C	34MA	24MXNS	Z004	TII	-
SN74LS83AN	LST	ADD	ADDER,FULL,4BT BINARY,FST CRRY	DIL16P	+5V	70C	34MA	24MXNS	Z004	TII	-
SN74LS85J	LST	CMP	COMPARATOR, MAGNITUDE, 4 BIT	DIL16C	+5V	70C	20MA	45MXNS	Z005	TII	DM74LS85J
SN74LS85N	LST	CMP	COMPARATOR, MAGNITUDE, 4 BIT	DIL16P	+5V	70C	20MA	45MXNS	Z005	TII	DM74LS85N
SN74LS86J	LST	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14C	+5V	70C	10MA	30MXNS	X001	TII	DM74LS86J
SN74LS86N	LST	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14P	+5V	70C	10MA	30MXNS	X001	TII	DM74LS86N
SN74LS90J	LST	CTR	COUNTER, DECADE,2X5 DIV,RIPPLE	DIL14C	+5V	70C	15MA	16MXMHZ	C001	TII	DM74LS90J
SN74LS90N	LST	CTR	COUNTER, DECADE,2X5 DIV,RIPPLE	DIL14P	+5V	70C	15MA	16MXMHZ	C001	TII	DM74LS90N
SN74LS91J	LST	SRG	SHIFT REG, 8BT,SISO,GATED IP	DIL14C	+5V	70C	20MA	10MXMHZ	R001	TII	-
SN74LS91N	LST	SRG	SHIFT REG, 8BT,SISO,GATED IP	DIL14P	+5V	70C	20MA	10MXMHZ	R001	TII	-
SN74LS92J	LST	CTR	COUNTER, DUODECIMAL,2X6 DIVIDE	DIL14C	+5V	70C	15MA	16MXMHZ	C002	TII	.74LS92DC
SN74LS92N	LST	CTR	COUNTER, DUODECIMAL,2X6 DIVIDE	DIL14P	+5V	70C	15MA	16MXMHZ	C002	TII	74LS92PC
SN74LS93J	LST	CTR	COUNTER,4BT BIN,2X8 DIV,RIPPLE	DIL14C	+5V	70C	15MA	16MXMHZ	C003	TII	DM74LS93J
SN74LS93N	LST	CTR	COUNTER,4BT BIN,2X8 DIV,RIPPLE	DIL14P	+5V	70C	15MA	16MXMHZ	C003	TII	DM74LS93N
SN74LS95BJ	LST	SRG	SHIFT REG,4BIT,L/R SHIFT, PIPO	DIL14C	+5V	70C	21MA	25MXMHZ	R004	TII	-
SN74LS95BN	LST	SRG	SHIFT REG,4BIT,L/R SHIFT, PIPO	DIL14P	+5V	70C	21MA	25MXMHZ	R004	TII	-
SN74LS96J	LST	SRG	SHIFT REG, 5BT,1 SET,PISO/SIPO	DIL16C	+5V	70C	20MA	55MXNS	R005	TII	N74LS96F
SN74LS96N	LST	SRG	SHIFT REG, 5BT,1 SET,PISO/SIPO	DIL16P	+5V	70C	20MA	55MXNS	R005	TII	N74LS96N
SN74LS107AJ	LST	FFJ	FF/JK, M-S, SEP R/CK, DUAL	DIL14C	+5V	70C	6MA	30MXMHZ	F018	TII	-
SN74LS107AN	LST	FFJ	FF/JK, M-S, SEP R/CK, DUAL	DIL14P	+5V	70C	6MA	30MXMHZ	F018	TII	-
SN74LS107J	LST	FFJ	FF/JK, M-S, SEP R/CK, DUAL	DIL14C	+5V	70C	8MA	30MXMHZ	F018	TII	DM74LS107J
SN74LS107N	LST	FFJ	FF/JK, M-S, SEP R/CK, DUAL	DIL14P	+5V	70C	8MA	30MXMHZ	F018	TII	DM74LS107N
SN74LS109AJ	LST	FFJ	FF/J(-K), +ET,SEP S/R/CK, DUAL	DIL16C	+5V	70C	8MA	25MXMHZ	F021	TII	-
SN74LS109AN	LST	FFJ	FF/J(-K), +ET,SEP S/R/CK, DUAL	DIL16P	+5V	70C	8MA	25MXMHZ	F021	TII	-
SN74LS112AJ	LST	FFJ	FF/JK, NEG ET,SEP S/R/CK, DUAL	DIL16C	+5V	70C	6MA	30MXMHZ	F022	TII	-
SN74LS112AN	LST	FFJ	FF/JK, NEG ET,SEP S/R/CK, DUAL	DIL16P	+5V	70C	6MA	30MXMHZ	F022	TII	-
SN74LS112J	LST	FFJ	FF/JK, NEG ET,SEP S/R/CK, DUAL	DIL16C	+5V	70C	8MA	30MXMHZ	F022	TII	DM74LS112J
SN74LS112N	LST	FFJ	FF/JK, NEG ET,SEP S/R/CK, DUAL	DIL16P	+5V	70C	8MA	30MXMHZ	F022	TII	DM74LS112N
SN74LS113AJ	LST	FFJ	FF/JK,(-)ET,SEP S/CK,NO R,DUAL	DIL14C	+5V	70C	6MA	30MXMHZ	F023	TII	-
SN74LS113AN	LST	FFJ	FF/JK,(-)ET,SEP S/CK,NO R,DUAL	DIL14P	+5V	70C	6MA	30MXMHZ	F023	TII	-
SN74LS113J	LST	FFJ	FF/JK,(-)ET,SEP S/CK,NO R,DUAL	DIL14C	+5V	70C	8MA	30MXMHZ	F023	TII	DM74LS113J
SN74LS113N	LST	FFJ	FF/JK,(-)ET,SEP S/CK,NO R,DUAL	DIL14P	+5V	70C	8MA	30MXMHZ	F023	TII	DM74LS113N
SN74LS114AJ	LST	FFJ	FF/JK, -ET,COM R/CK,SEP S,DUAL	DIL14C	+5V	70C	6MA	30MXMHZ	F024	TII	-
SN74LS114AN	LST	FFJ	FF/JK, -ET,COM R/CK,SEP S,DUAL	DIL14P	+5V	70C	6MA	30MXMHZ	F024	TII	-
SN74LS114J	LST	FFJ	FF/JK, -ET,COM R/CK,SEP S,DUAL	DIL14C	+5V	70C	8MA	30MXMHZ	F024	TII	DM74LS114J

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
SN74LS114N	LST	FFJ	FF/JK, -ET,COM R/CK,SEP S,DUAL	DIL14P	+5V	70C	8MA	30MXMHZ	F024	TII	DM74LS114N
SN74LS122J	LST	MON	MONOSTABLE,MULTI,RETRIG,WITH R	DIL14C	+5V	70C	11MA	56MXNS	U002	TII	DM74LS122J
SN74LS122N	LST	MON	MONOSTABLE,MULTI,RETRIG,WITH R	DIL14P	+5V	70C	11MA	56MXNS	U002	TII	DM74LS122N
SN74LS123J	LST	MON	MONOSTABLE,MULTI,RETRIG, DUAL	DIL16C	+5V	70C	20MA	56MXNS	U003	TII	DM74LS123J
SN74LS123N	LST	MON	MONOSTABLE,MULTI,RETRIG, DUAL	DIL16P	+5V	70C	20MA	56MXNS	U003	TII	DM74LS123N
SN74LS124J	LST	VCO	VOLTAGE CONTROLLED OSC, DUAL	DIL16C	+5V	70C	50MA	10MXMHZ	V001	TII	-
SN74LS124N	LST	VCO	VOLTAGE CONTROLLED OSC, DUAL	DIL16P	+5V	70C	50MA	10MXMHZ	V001	TII	-
SN74LS125AJ	LST	LND	LINE DRIVER, 3S OP,LO EN, QUAD	DIL14C	+5V	70C	20MA	25MXNS	B002	TII	74LS125ADC
SN74LS125AN	LST	LND	LINE DRIVER, 3S OP,LO EN, QUAD	DIL14P	+5V	70C	20MA	25MXNS	B002	TII	74LS125APC
SN74LS126AJ	LST	LND	LINE DRIVER, 3S OP,HI EN, QUAD	DIL14C	+5V	70C	22MA	35MXNS	B003	TII	-
SN74LS126AN	LST	LND	LINE DRIVER, 3S OP,HI EN, QUAD	DIL14P	+5V	70C	22MA	35MXNS	B003	TII	-
SN74LS132J	LST	SCH	NAND, 2IP,SCHMITT, QUAD	DIL14C	+5V	70C	14MA	22MXNS	N001	TII	DM74LS132J
SN74LS132N	LST	SCH	NAND, 2IP,SCHMITT, QUAD	DIL14P	+5V	70C	14MA	22MXNS	N001	TII	DM74LS132N
SN74LS136J	LST	XOR	EXCLUSIVE OR, OC OP, QUAD	DIL14C	+5V	70C	99MA	15MXNS	X001	TII	DM74LS136J
SN74LS136N	LST	XOR	EXCLUSIVE OR, OC OP, QUAD	DIL14P	+5V	70C	99MA	15MXNS	X001	TII	DM74LS136N
SN74LS137J	LST	DCD	DECODER/DEMUX,3-8 LN,ADDR LTCH	DIL16C	+5V	70C	18MA	38MXNS	D005	TII	-
SN74LS137N	LST	DCD	DECODER/DEMUX,3-8 LN,ADDR LTCH	DIL16P	+5V	70C	18MA	38MXNS	D005	TII	-
SN74LS138J	LST	DCD	DECODER/DEMUX,3-8 LN, NO LATCH	DIL16C	+5V	70C	10MA	41MXNS	D006	TII	DM74LS138J
SN74LS138N	LST	DCD	DECODER/DEMUX,3-8 LN, NO LATCH	DIL16P	+5V	70C	10MA	41MXNS	D006	TII	DM74LS138N
SN74LS139J	LST	DCD	DECODER/DEMUX,2-4 LINE, DUAL	DIL16C	+5V	70C	11MA	38MXNS	D007	TII	DM74LS139J
SN74LS139N	LST	DCD	DECODER/DEMUX,2-4 LINE, DUAL	DIL16P	+5V	70C	11MA	38MXNS	D007	TII	DM74LS139N
SN74LS145J	LST	DVR	DRIVER,80MA, BCD-DEC DECODR,OC	DIL16C	+5V	70C	13MA	50MXNS	D001	TII	N74LS145F
SN74LS145N	LST	DVR	DRIVER,80MA, BCD-DEC DECODR,OC	DIL16P	+5V	70C	13MA	50MXNS	D001	TII	N74LS145N
SN74LS147J	LST	ENC	ENCODER, PRIORITY,10-TO-4 LINE	DIL16C	+5V	70C	20MA	33MXNS	M017	TII	-
SN74LS147N	LST	ENC	ENCODER, PRIORITY,10-TO-4 LINE	DIL16P	+5V	70C	20MA	33MXNS	M017	TII	-
SN74LS148J	LST	ENC	ENCODER, PRIORITY,8-TO-3 LINE	DIL16C	+5V	70C	20MA	55MXNS	M015	TII	-
SN74LS148N	LST	ENC	ENCODER, PRIORITY,8-TO-3 LINE	DIL16P	+5V	70C	20MA	55MXNS	M015	TII	-
SN74LS151J	LST	MUX	MUX/DATA SELECTOR, 8-TO-1 LINE	DIL16C	+5V	70C	10MA	43MXNS	M002	TII	DM74LS151J
SN74LS151N	LST	MUX	MUX/DATA SELECTOR, 8-TO-1 LINE	DIL16P	+5V	70C	10MA	43MXNS	M002	TII	DM74LS151N
SN74LS153J	LST	MUX	MUX/DATA SELECTOR,4-1 LIN,DUAL	DIL16C	+5V	70C	10MA	38MXNS	M004	TII	DM74LS153J
SN74LS153N	LST	MUX	MUX/DATA SELECTOR,4-1 LIN,DUAL	DIL16P	+5V	70C	10MA	38MXNS	M004	TII	DM74LS153N
SN74LS154J	LST	DCD	DECODER/DEMUX, 4-TO-16 LINE	DIL24C	+5V	70C	14MA	36MXNS	D009	TII	DM74LS154J
SN74LS154N	LST	DCD	DECODER/DEMUX, 4-TO-16 LINE	DIL24P	+5V	70C	14MA	36MXNS	D009	TII	DM74LS154N
SN74LS154W	LST	DCD	DECODER/DEMUX, 4-TO-16 LINE	FLP24	+5V	70C	14MA	36MXNS	D009	TII	S54LS154W
SN74LS155J	LST	DCD	DECODER/DEMUX,2-TO-4 LINE,DUAL	DIL16C	+5V	70C	10MA	30MXNS	D010	TII	DM74LS155J
SN74LS155N	LST	DCD	DECODER/DEMUX,2-TO-4 LINE,DUAL	DIL16P	+5V	70C	10MA	30MXNS	D010	TII	DM74LS155N
SN74LS156J	LST	DCD	DECODER/DEMUX,2-4 LINE,OC,DUAL	DIL16C	+5V	70C	10MA	51MXNS	D010	TII	DM74LS156J
SN74LS156N	LST	DCD	DECODER/DEMUX,2-4 LINE,OC,DUAL	DIL16P	+5V	70C	10MA	51MXNS	D010	TII	DM74LS156N
SN74LS157J	LST	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	DIL16C	+5V	70C	16MA	24MXNS	M005	TII	DM74LS157J
SN74LS157N	LST	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	DIL16P	+5V	70C	16MA	24MXNS	M005	TII	DM74LS157N
SN74LS158J	LST	MUX	MUX/DATA SELECTOR,INV OP 74157	DIL16C	+5V	70C	8MA	24MXNS	M006	TII	DM74LS158J
SN74LS158N	LST	MUX	MUX/DATA SELECTOR,INV OP 54157	DIL16P	+5V	70C	8MA	24MXNS	M006	TII	DM74LS158J
SN74LS160AJ	LST	CTR	COUNTER,DEC,4 BIT, SYNC,DRCT R	DIL16C	+5V	70C	32MA	25MXMHZ	C004	TII	N74LS160AF
SN74LS160AN	LST	CTR	COUNTER,DEC,4 BIT, SYNC,DRCT R	DIL16P	+5V	70C	32MA	25MXMHZ	C004	TII	N74LS160AN
SN74LS161AJ	LST	CTR	COUNTER, BIN,4 BIT,SYNC,DRCT R	DIL16C	+5V	70C	32MA	25MXMHZ	C004	TII	N74LS161AF
SN74LS161AN	LST	CTR	COUNTER, BIN,4 BIT,SYNC,DRCT R	DIL16P	+5V	70C	32MA	25MXMHZ	C004	TII	N74LS161AN
SN74LS162AJ	LST	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	DIL16C	+5V	70C	32MA	25MXMHZ	C005	TII	N74LS162AF
SN74LS162AN	LST	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	DIL16P	+5V	70C	32MA	25MXMHZ	C005	TII	N74LS162AN
SN74LS162J	LST	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	DIL16C	+5V	70C	32MA	25MXMHZ	C005	TII	DM74LS162J
SN74LS162N	LST	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	DIL16P	+5V	70C	32MA	25MXMHZ	C005	TII	DM74LS162N
SN74LS163AJ	LST	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	DIL16C	+5V	70C	32MA	25MXMHZ	C005	TII	N74LS163AF
SN74LS163AN	LST	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	DIL16P	+5V	70C	32MA	25MXMHZ	C005	TII	N74LS163AN
SN74LS164J	LST	SRG	SHIFT REGISTER, 8 BIT, SIPO	DIL14C	+5V	70C	27MA	25MXMHZ	R006	TII	DM74LS164J
SN74LS164N	LST	SRG	SHIFT REGISTER, 8 BIT, SIPO	DIL14P	+5V	70C	27MA	25MXMHZ	R006	TII	DM74LS164N
SN74LS165J	LST	SRG	SHIFT REGISTER, 8 BIT, PISO	DIL16C	+5V	70C	36MA	25MXMHZ	R007	TII	74LS165DC
SN74LS165N	LST	SRG	SHIFT REGISTER, 8 BIT, PISO	DIL16P	+5V	70C	36MA	25MXMHZ	R007	TII	74LS165PC
SN74LS166J	LST	SRG	SHIFT REGISTER,8 BIT,PISO/SIPO	DIL16C	+5V	70C	38MA	25MXMHZ	R008	TII	-
SN74LS166N	LST	SRG	SHIFT REGISTER,8 BIT,PISO/SIPO	DIL16P	+5V	70C	38MA	25MXMHZ	R008	TII	-
SN74LS168AJ	LST	CTR	COUNTER,4 BT,DEC,UP/DOWN, SYNC	DIL16C	+5V	70C	34MA	25MXMHZ	C006	TII	N74LS168AF
SN74LS168AN	LST	CTR	COUNTER,4 BT,DEC,UP/DOWN, SYNC	DIL16P	+5V	70C	34MA	25MXMHZ	C006	TII	N74LS168AN
SN74LS168J	LST	CTR	COUNTER,4 BT,DEC,UP/DOWN, SYNC	DIL16C	+5V	70C	34MA	25MXMHZ	C006	TII	DM74LS168J
SN74LS168N	LST	CTR	COUNTER,4 BT,DEC,UP/DOWN, SYNC	DIL16P	+5V	70C	34MA	25MXMHZ	C006	TII	DM74LS168N
SN74LS169AJ	LST	CTR	COUNTER,UP/DOWN,4 BIT BIN,SYNC	DIL16C	+5V	70C	34MA	25MXMHZ	C006	TII	N74LS169AF
SN74LS169AN	LST	CTR	COUNTER,UP/DOWN,4 BIT BIN,SYNC	DIL16P	+5V	70C	34MA	25MXMHZ	C006	TII	N74LS169AN
SN74LS169J	LST	CTR	COUNTER,UP/DOWN,4 BIT BIN,SYNC	DIL16C	+5V	70C	34MA	25MXMHZ	C006	TII	DM74LS169J
SN74LS169N	LST	CTR	COUNTER,UP/DOWN,4 BIT BIN,SYNC	DIL16P	+5V	70C	34MA	25MXMHZ	C006	TII	DM74LS169N
SN74LS170J	LST	MEM	RAM, SIM READ/WRITE,4X4 BIT,OC	DIL16C	+5V	70C	40MA	45MXNS	R009	TII	DM74LS170J
SN74LS170N	LST	MEM	RAM, SIM READ/WRITE,4X4 BIT,OC	DIL16P	+5V	70C	40MA	45MXNS	R009	TII	DM74LS170N
SN74LS173AJ	LST	FFD	FF/D, EDGE TRIG,COMM R/CK, HEX	DIL16C	+5V	70C	24MA	30MXMHZ	F025	TII	-
SN74LS173AN	LST	FFD	FF/D, EDGE TRIG,COMM R/CK, HEX	DIL16P	+5V	125	24MA	30MXMHZ	F025	TII	-
SN74LS173AW	LST	FFD	FF/D, EDGE TRIG,COMM R/CK, HEX	FLP16	+5V	125	24MA	30MXMHZ	F025	TII	-
SN74LS174J	LST	FFD	FF/D, EDGE TRIG,COMM R/CK, HEX	DIL16C	+5V	70C	26MA	30MXMHZ	F025	TII	DM74LS174J
SN74LS174N	LST	FFD	FF/D, EDGE TRIG,COMM R/CK, HEX	DIL16P	+5V	70C	26MA	30MXMHZ	F025	TII	DM74LS174N
SN74LS175J	LST	FFD	FF/D, ET,COM R/CK,COMP OP,QUAD	DIL16C	+5V	70C	18MA	30MXMHZ	F026	TII	DM74LS175J
SN74LS175N	LST	FFD	FF/D, ET,COM R/CK,COMP OP,QUAD	DIL16P	+5V	70C	18MA	30MXMHZ	F026	TII	DM74LS175N

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
SN74LS181J	LST	ARI	ALU/FUNCTION-GENERATOR,4 BIT	DIL24C	+5V	70C	37MA	50MXNS	Z010	TII	74LS181DC
SN74LS181N	LST	ARI	ALU/FUNCTION-GENERATOR,4 BIT	DIL24P	+5V	70C	37MA	50MXNS	Z010	TII	74LS181PC
SN74LS183J	LST	ADD	ADDER,FULL,CARRY-SAVE, DUAL	DIL14C	+5V	70C	14MA	33MXNS	Z011	TII	-
SN74LS183N	LST	ADD	ADDER,FULL, CARRY-SAVE	DIL14P	+5V	70C	14MA	33MXNS	Z011	TII	-
SN74LS189J	LST	MEM	RAM, 64=16X4 BIT 3S INV OP	DIL16C	+5V	70C	40MA	60MXNS	S001	TII	74LS189DC
SN74LS189N	LST	MEM	RAM, 64=16X4 BIT, 3S INV OP	DIL16P	+5V	70C	40MA	60MXNS	S001	TII	74LS189PC
SN74LS190J	LST	CTR	COUNTER,DEC,UP/DWN,SYNC,PRESET	DIL16C	+5V	70C	35MA	52MXNS	C008	TII	DM74LS190J
SN74LS190N	LST	CTR	COUNTER,DEC,UP/DWN,SYNC,PRESET	DIL16P	+5V	70C	35MA	52MXNS	C008	TII	DM74LS190N
SN74LS191J	LST	CTR	COUNTER, 4 BT HEX, UP/DWN,SYNC	DIL16C	+5V	70C	35MA	52MXNS	C008	TII	DM74LS191J
SN74LS191N	LST	CTR	COUNTER 4 BT HEX, UP/DWN,SYNC	DIL16P	+5V	70C	35MA	52MXNS	C008	TII	DM74LS191N
SN74LS192AJ	LST	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	DIL16C	+5V	70C	-	-	C009	TII	-
SN74LS192AN	LST	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	DIL16P	+5V	70C	-	-	C009	TII	-
SN74LS192J	LST	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	DIL16C	+5V	70C	34MA	25MXMHZ	C009	TII	DM74LS192J
SN74LS192N	LST	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	DIL16P	+5V	70C	34MA	25MXMHZ	C009	TII	DM74LS192N
SN74LS193J	LST	CTR	COUNTER,HEX,UP/DWN,SYNC,2CK,3S	DIL16C	+5V	70C	34MA	30MXMHZ	C009	TII	DM74LS193J
SN74LS193N	LST	CTR	COUNTER,HEX,UP/DWN,SYNC,2CK,3S	DIL16P	+5V	70C	34MA	30MXMHZ	C009	TII	DM74LS193N
SN74LS194AJ	LST	SRG	SHIFT REGISTER,4 BIT,L/R, PIPO	DIL16C	+5V	70C	23MA	25MXMHZ	R013	TII	74LS194ADC
SN74LS194AN	LST	SRG	SHIFT REGISTER,4 BIT,L/R, PIPO	DIL16P	+5V	70C	23MA	25MXMHZ	R013	TII	74LS194APC
SN74LS195AJ	LST	SRG	SHIFT REGISTER, 4 BIT, PIPO	DIL16C	+5V	70C	21MA	30MXMHZ	R014	TII	N74LS195AF
SN74LS195AN	LST	SRG	SHIFT REGISTER,4 BIT, PIPO	DIL16P	+5V	70C	21MA	30MXMHZ	R014	TII	N74LS195AN
SN74LS196J	LST	CTR	COUNTER,DEC,BCD/BIQUIN,RIPPLE	DIL14C	+5V	70C	27MA	30MXMHZ	C010	TII	DM74LS196J
SN74LS196N	LST	CTR	COUNTER,DEC,BCD/BIQUIN,RIPPLE	DIL14P	+5V	70C	27MA	30MXMHZ	C010	TII	DM74LS196N
SN74LS197J	LST	CTR	COUNTER,HEXADEC,4 BIT, RIPPLE	DIL14C	+5V	70C	27MA	30MXMHZ	C010	TII	DM74LS197J
SN74LS197N	LST	CTR	COUNTER,HEXADEC,4 BIT, RIPPLE	DIL14P	+5V	70C	27MA	30MXMHZ	C010	TII	DM74LS197N
SN74LS200AJ	LST	MEM	RAM, 256=256X1 BT, 3S OP	DIL16C	+5V	70C	-	-	S009	TII	-
SN74LS200AN	LST	MEM	RAM, 256=256X1 BT, 3S OP	DIL16P	+5V	70C	-	-	S009	TII	-
SN74LS202AJ	LST	MEM	RAM,256=256X1 BT,3S,POWER DOWN	DIL16C	+5V	70C	-	-	S009	TII	-
SN74LS202AN	LST	MEM	RAM,256=256X1 BT,3S,POWER DOWN	DIL16P	+5V	70C	-	-	S009	TII	-
SN74LS202J	LST	MEM	RAM,256=256X1 BT,3S,POWER DOWN	DIL16C	+5V	70C	-	-	S009	TII	-
SN74LS202N	LST	MEM	RAM,256=256X1 BT,3S,POWER DOWN	DIL16P	+5V	70C	-	-	S009	TII	-
SN74LS207J	LST	MEM	RAM,1K=256X4 BIT,3S, COMMON IO	DIL16C	+5V	70C	-	-	Z030	TII	-
SN74LS207N	LST	MEM	RAM,1K=256X4 BIT,3S, COMMON IO	DIL16P	+5V	70C	-	-	Z030	TII	-
SN74LS208J	LST	MEM	RAM,1K=256X4 BT,3S,SEPARATE IO	DIL20C	+5V	70C	-	-	Z031	TII	-
SN74LS208N	LST	MEM	RAM,1K=256X4 BT,3S,SEPARATE IO	DIL20P	+5V	70C	-	-	Z031	TII	-
SN74LS214J	LST	MEM	RAM,1K=1024X1 BT,3S,CHP SELECT	DIL16C	+5V	70C	-	-	S010	TII	-
SN74LS214N	LST	MEM	RAM,1K=1024X1 BT,3S,CHP SELECT	DIL16P	+5V	70C	-	-	S010	TII	-
SN74LS215J	LST	MEM	RAM,1K=1024X1 BT,3S,POWER DOWN	DIL16C	+5V	70C	-	-	S010	TII	-
SN74LS215N	LST	MEM	RAM,1K=1024X1 BT,3S,POWER DOWN	DIL16P	+5V	70C	-	-	S010	TII	-
SN74LS219J	LST	MEM	RAM,64=16X4 BIT, 3S NON-INV OP	DIL16C	+5V	70C	40MA	60MXNS	S008	TII	-
SN74LS219N	LST	MEM	RAM,64=16X4 BIT, 3S NON-INV OP	DIL16P	+5V	70C	40MA	60MXNS	S008	TII	-
SN74LS221J	LST	MON	MONOSTABLE MULTI,SCHMITT, DUAL	DIL16C	+5V	70C	27MA	80MXNS	U003	TII	DM74LS221J
SN74LS221N	LST	MON	MONOSTABLE MULTI,SCHMITT, DUAL	DIL16P	+5V	70C	27MA	80MXNS	U003	TII	DM74LS221N
SN74LS240J	LST	LND	LINE DRIVER,3S,INV,LO EN,OCTAL	DIL20C	+5V	70C	50MA	30MXNS	B004	TII	DM74LS240J
SN74LS240N	LST	LND	LINE DRIVER,3S,INV,LO EN,OCTAL	DIL20P	+5V	70C	50MA	30MXNS	B004	TII	DM74LS240N
SN74LS241J	LST	LND	LINE DRIVER,3S,DIR,LO EN,OCTAL	DIL20C	+5V	70C	54MA	30MXNS	B005	TII	DM74LS241J
SN74LS241N	LST	LND	LINE DRIVER,3S,DIR,LO EN,OCTAL	DIL20P	+5V	70C	54MA	30MXNS	B005	TII	DM74LS241N
SN74LS242J	LST	TRX	TRANSCVR,BUS,BIDIR,INV,3S,QUAD	DIL14C	+5V	70C	50MA	30MXNS	T001	TII	DM74LS242J
SN74LS242N	LST	TRX	TRANSCVR,BUS,BIDIR,INV,3S,QUAD	DIL14P	+5V	70C	50MA	30MXNS	T001	TII	DM74LS242N
SN74LS243J	LST	TRX	TRANSCEIVER,BUS,NONINV,3S,QUAD	DIL14C	+5V	70C	54MA	30MXNS	T002	TII	DM74LS243J
SN74LS243N	LST	TRX	TRANSCEIVER,BUS,NONINV,3S,QUAD	DIL14P	+5V	70C	54MA	30MXNS	T002	TII	DM74LS243N
SN74LS244J	LST	LND	LINE DRIVER,3S OP,LO EN, OCTAL	DIL20C	+5V	70C	54MA	30MXNS	B006	TII	DM74LS244J
SN74LS244N	LST	LND	LINE DRIVER,3S OP,LO EN, OCTAL	DIL20P	+5V	70C	54MA	30MXNS	B006	TII	DM74LS244N
SN74LS245J	LST	TRX	TRANSCVR,BUS,NON INV 3S, OCTAL	DIL20C	+5V	70C	95MA	40MXNS	T003	TII	N74LS245F
SN74LS245N	LST	TRX	TRANSCVR,BUS,NON INV 3S, OCTAL	DIL20P	+5V	70C	95MA	40MXNS	T003	TII	N74LS245N
SN74LS247J	LST	DSP	DISPLAY DRIVER,BCD-7SGT,15V,OC	DIL16C	+5V	70C	13MA	100MXNS	D018	TII	DM74LS247J
SN74LS247N	LST	DSP	DISPLAY DRIVER,BCD-7SGT,15V,OC	DIL16P	+5V	70C	13MA	100MXNS	D018	TII	DM74LS247N
SN74LS248J	LST	DSP	DISPLAY DRIVER,BCD-7SG,2K,5.5V	DIL16C	+5V	70C	38MA	100MXNS	D011	TII	DM74LS248J
SN74LS248N	LST	DSP	DISPLAY DRIVER,BCD-7SG,2K,5.5V	DIL16P	+5V	70C	38MA	100MXNS	D011	TII	DM74LS248N
SN74LS249J	LST	DSP	DISPLAY DRIVER,BCD-7SG,OC,5.5V	DIL16C	+5V	70C	15MA	100MXNS	D011	TII	DM74LS249J
SN74LS249N	LST	DSP	DISPLAY DRIVER,BCD-7SG,OC,5.5V	DIL16P	+5V	70C	15MA	100MXNS	D011	TII	DM74LS249N
SN74LS251J	LST	SEL	MUX/DATA SELECTOR,8-1 LINE, 3S	DIL16C	+5V	70C	12MA	55MXNS	M007	TII	74LS251DC
SN74LS251N	LST	SEL	MUX/DATA SELECTOR,8-1 LINE, 3S	DIL16P	+5V	70C	-	55MXNS	M007	TII	74LS251PC
SN74LS253J	LST	SEL	MUX/DATA SELECTR,4-1LN,3S,DUAL	DIL16C	+5V	70C	14MA	45MXNS	M008	TII	DM74LS253J
SN74LS253N	LST	SEL	MUX/DATA SELECTR,4-1LN,3S,DUAL	DIL16P	+5V	70C	14MA	45MXNS	M008	TII	DM74LS253N
SN74LS257AJ	LST	SEL	MUX/DATA SELECTR,2-1LN,3S,QUAD	DIL16C	+5V	70C	19MA	30MXNS	M009	FAS	74LS257AF
SN74LS257AN	LST	SEL	MUX/DATA SELECTR,2-1LN,3S,QUAD	DIL16P	+5V	70C	19MA	30MXNS	M009	TII	74LS257AN
SN74LS258AJ	LST	SEL	MUX/DATA SELECTR,INV-OP-74257	DIL16C	+5V	70C	19MA	30MXNS	M010	TII	N74LS258AF
SN74LS258AN	LST	SEL	MUX/DATA SELECTR,INV-OP-74257	DIL16P	+5V	70C	19MA	30MXNS	M010	TII	N74LS258AN
SN74LS259J	LST	LCH	LATCH,ADDRESSABLE,8 BIT,RESET	DIL16C	+5V	70C	36MA	38MXNS	L004	TII	74LS259DC
SN74LS259N	LST	LCH	LATCH,ADDRESSABLE,8 BIT,RESET	DIL16P	+5V	70C	36MA	38MXNS	L004	TII	74LS259DC
SN74LS261J	LST	MLT	MULTIPLIER,BINARY,4X2 BIT,PISO	DIL16C	+5V	70C	40MA	42MXNS	Z032	TII	N74LS261F
SN74LS261N	LST	MLT	MULTIPLIER,BINARY,4X2 BIT,PISO	DIL16P	+5V	70C	40MA	42MXNS	Z032	TII	N74LS261N
SN74LS266J	LST	XNR	EXCLUSIVE NOR,2 IP,OC OP, QUAD	DIL14C	+5V	70C	13MA	30MXNS	X003	TII	DM74LS266J
SN74LS266N	LST	XNR	EXCLUSIVE NOR,2 IP,OC OP, QUAD	DIL14P	+5V	70C	13MA	30MXNS	X003	TII	DM74LS266N
SN74LS273J	LST	FFD	FF/D, COMMON R/CK, OCTAL	DIL20C	+5V	70C	27MA	30MXMHZ	R017	TII	74LS273DC

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
SN74LS273N	LST	FFD	FF/D, COMMON R/CK, OCTAL	DIL20P	+5V	70C	27MA	30MXMHZ	R017	TII	74LS273PC
SN74LS275J	LST	XXX	WALLACE TREE,7 BIT SLICE,3S OP	DIL16C	+5V	70C	40MA	66MXNS	Z034	TII	-
SN74LS275N	LST	XXX	WALLACE TREE,7 BIT SLICE,3S OP	DIL16P	+5V	70C	40MA	66MXNS	Z034	TII	-
SN74LS279J	LST	FFR	FF/RS, LATCH, QUAD	DIL16C	+5V	70C	7MA	27MXNS	L005	TII	DM74LS279J
SN74LS279N	LST	FFR	FF/RS, LATCH, QUAD	DIL16P	+5V	70C	7MA	27MXNS	L005	TII	DM74LS279N
SN74LS280J	LST	PAR	PARITY GENERATOR/CHECKER,9 BIT	DIL14C	+5V	70C	27MA	50MXNS	Z012	TII	-
SN74LS280N	LST	PAR	PARITY GENERATOR/CHECKER,9 BIT	DIL14P	+5V	70C	27MA	50MXNS	Z012	TII	-
SN74LS283J	LST	ADD	ADDER,FULL,4 BT,BIN,FAST CARRY	DIL16C	+5V	70C	39MA	24MXNS	Z013	TII	DM74LS283J
SN74LS283N	LST	ADD	ADDER,FULL,4 BT,BIN,FAST CARRY	DIL16P	+5V	70C	39MA	24MXNS	Z013	TII	DM74LS283N
SN74LS289J	LST	MEM	RAM, 64=16X4 BIT,OC INV OP	DIL16C	+5V	70C	40MA	60MXNS	S001	TII	74LS289DC
SN74LS289N	LST	MEM	RAM, 64=16X4 BIT,OC INV OP	DIL16P	+5V	70C	40MA	60MXNS	S001	TII	74LS289PC
SN74LS290J	LST	CTR	COUNTER,DECADE,2X5 DIV, RIPPLE	DIL14C	+5V	70C	15MA	16MXMHZ	C011	TII	DM74LS290J
SN74LS290N	LST	CTR	COUNTER,DECADE,2X5 DIV, RIPPLE	DIL14P	+5V	70C	15MA	16MXMHZ	C011	TII	DM74LS290N
SN74LS293J	LST	CTR	COUNTER,4 BIT,2X8 DIV, RIPPLE	DIL14C	+5V	70C	15MA	16MXMHZ	C012	TII	DM74LS293J
SN74LS293N	LST	CTR	COUNTER,4 BIT,2X8 DIV, RIPPLE	DIL14P	+5V	70C	15MA	16MXMHZ	C012	TII	DM74LS293N
SN74LS295BJ	LST	SRG	SHIFT REG,4 BIT,L/R,3S OP,PIPO	DIL14C	+5V	70C	33MA	30MXMHZ	R018	TII	N74LS295BF
SN74LS295BN	LST	SRG	SHIFT REG,4 BIT,L/R,3S OP,PIPO	DIL14P	+5V	70C	33MA	30MXMHZ	R018	TII	N74LS295BN
SN74LS297J	LST	PLL	PHASE LOCKED LOOP, DIGITAL	DIL16C	+5V	70C	-	-	Z999	TII	-
SN74LS297N	LST	PLL	PHASE LOCKED LOOP, DIGITAL	DIL16P	+5V	70C	-	-	Z999	TII	-
SN74LS298J	LST	MUX	MUX,2 IP,LATCH,INV CLOCK, QUAD	DIL16C	+5V	70C	21MA	32MXNS	R019	TII	74LS298DC
SN74LS298N	LST	MUX	MUX,2 IP,LATCH,INV CLOCK, QUAD	DIL16P	+5V	70C	21MA	32MXNS	R019	TII	74LS298PC
SN74LS299J	LST	SRG	SHIFT REG,8 BIT,L/R SH,3S,PIPO	DIL20C	+5V	70C	53MA	35MXMHZ	R020	TII	74LS299DC
SN74LS299N	LST	SRG	SHIFT REG,8 BIT,L/R SH,3S,PIPO	DIL20P	+5V	70C	53MA	35MXMHZ	R020	TII	74LS299PC
SN74LS300AJ	LST	MEM	RAM,256=256X1 BIT, OC OP	DIL16C	+5V	70C	-	-	S009	TII	-
SN74LS300AN	LST	MEM	RAM,256=256X1 BIT, OC OP	DIL16P	+5V	70C	-	-	S009	TII	-
SN74LS314J	LST	MEM	RAM,1K=1024X1 BT,OC,CHP SELECT	DIL16C	+5V	70C	-	-	S010	TII	-
SN74LS314N	LST	MEM	RAM,1K=1024X1 BT,OC,CHP SELECT	DIL16P	+5V	70C	-	-	S010	TII	-
SN74LS315J	LST	MEM	RAM,1K=1024X1 BT,OC,POWER DOWN	DIL16C	+5V	70C	-	-	S010	TII	-
SN74LS315N	LST	MEM	RAM,1K=1024X1 BT,OC,POWER DOWN	DIL16P	+5V	70C	-	-	S010	TII	-
SN74LS319J	LST	MEM	RAM,64=16X4 BIT,OC NON-INV OP	DIL16C	+5V	70C	40MA	60MXNS	S008	TII	-
SN74LS319N	LST	MEM	RAM,64=16X4 BIT,OC NON-INV OP	DIL16P	+5V	70C	40MA	60MXNS	S008	TII	-
SN74LS320J	LST	OSC	CRYSTAL OSC,1HZ-20MHZ.	DIL20C	+5V	70C	8MA	20MXMHZ	Z999	TII	-
SN74LS320N	LST	OSC	CRYSTAL OSC,1HZ-20MHZ	DIL20P	+5V	70C	8MA	20MXMHZ	Z999	TII	-
SN74LS321J	LST	OSC	CRYSTAL OSC,3S, F-F/2-F/4 OPS	DIL16C	+5V	70C	8MA	20MXMHZ	Z999	TII	-
SN74LS321N	LST	OSC	CRYSTAL OSC,3S, F-F/2-F/4 OPS	DIL16P	+5V	70C	8MA	20MXMHZ	Z999	TII	-
SN74LS322J	LST	SRG	SHIFT REG,8 BIT,RIGHT EXTD, 3S	DIL20C	+5V	70C	60MA	35MXMHZ	R021	TII	74LS322DC
SN74LS322N	LST	SRG	SHIFT REG,8 BIT,RIGHT EXTD, 3S	DIL20P	+5V	70C	60MA	35MXMHZ	R021	TII	74LS322PC
SN74LS322AN	LST	SRG	SHIFT REG,8 BIT,RIGHT EXTD, 3S	DIL20P	+5V	70C	-	-	R021	TII	-
SN74LS323J	LST	SRG	SHIFT REG,8 BIT,L/R,3S,PIPO	DIL20C	+5V	70C	53MA	35MXMHZ	R022	TII	74LS323DC
SN74LS323N	LST	SRG	SHIFT REG,8 BIT,L/R,3S,PIPO	DIL20P	+5V	70C	53MA	35MXMHZ	R022	TII	74LS323PC
SN74LS324J	LST	VCO	VOLTAGE CONTROLLED OSC, 2PH OP	DIL14C	+5V	70C	30MA	10MXMHZ	V003	TII	-
SN74LS324N	LST	VCO	VOLTAGE CONTROLLED OSC, 2PH OP	DIL14P	+5V	70C	30MA	10MXMHZ	V003	TII	-
SN74LS325J	LST	VCO	VOLTAGE CONTR OSC, 2PH OP,DUAL	DIL16C	+5V	70C	50MA	10MXMHZ	V004	TII	-
SN74LS325N	LST	VCO	VOLTAGE CONTR OSC, 2PH OP,DUAL	DIL16P	+5V	70C	50MA	10MXMHZ	V004	TII	-
SN74LS326J	LST	VCO	VCO,2PH OP,ENABLE CONTROL,DUAL	DIL16C	+5V	70C	30MA	10MXMHZ	V005	TII	-
SN74LS326N	LST	VCO	VCO,2PH OP,ENABLE CONTROL,DUAL	DIL16P	+5V	70C	30MA	10MXMHZ	V005	TII	-
SN74LS327J	LST	VCO	VOLTAGE CONTRL OSC,1PH OP,DUAL	DIL14C	+5V	70C	50MA	10MXMHZ	V006	TII	-
SN74LS327N	LST	VCO	VOLTAGE CONTRL OSC,1PH OP,DUAL	DIL14P	+5V	70C	50MA	10MXMHZ	V006	TII	-
SN74LS333J	LST	PLA	FPLA,12 IP EXPDBL,6 OP,32 TERM	DIL24C	+5V	70C	-		Z999	TII	-
SN74LS333N	LST	PLA	FPLA,12 IP EXPDBL,6 OP,32 TERM	DIL24P	+5V	70C	-	-	Z999	TII	-
SN74LS334J	LST	PLA	FPLA,12 IP EXPDBL,6 OP,32 TERM	DIL24C	+5V	70C	-	-	Z999	TII	-
SN74LS334N	LST	PLA	FPLA,12 IP EXPDBL,6 OP,32 TERM	DIL24P	+5V	70C	-	-	Z999	TII	-
SN74LS335J	LST	PLA	FPLA,12 IP EXPDBL,6 OP,32 TERM	DIL24C	+5V	70C	-	-	Z999	TII	-
SN74LS335N	LST	PLA	FPLA,12 IP EXPDBL,6 OP,32 TERM	DIL24P	+5V	70C	-	-	Z999	TII	-
SN74LS336J	LST	PLA	FPLA,12 IP EXPDBL,6 OP,32 TERM	DIL24C	+5V	70C	-	-	Z999	TII	-
SN74LS336N	LST	PLA	FPLA,12 IP EXPDBL,6 OP,32 TERM	DIL24P	+5V	70C	-	-	Z999	TII	-
SN74LS347J	LST	DCD	DECODER,BCD-7 SGT,OC,7V,DRIVER	DIL16C	+5V	70C	13MA	100MXNS	D011	TII	74LS347DC
SN74LS347N	LST	DCD	DECODER,BCD-7 SGT,OC,7V,DRIVER	DIL16P	+5V	70C	13MA	100MXNS	D011	TII	74LS347PC
SN74LS348J	LST	DCD	DECODER, PRIORITY,8-3 LINE, 3S	DIL16C	+5V	70C	25MA	55MXNS	M015	TII	-
SN74LS348N	LST	DCD	DECODER, PRIORITY,8-3 LINE, 3S	DIL16P	+5V	70C	25MA	55MXNS	M015	TII	-
SN74LS352J	LST	MUX	MUX/DATA SELECT,4-1LN,INV,DUAL	DIL16C	+5V	70C	10MA	38MXNS	M011	TII	DM74LS352J
SN74LS352N	LST	MUX	MUX/DATA SELECT,4-1LN,INV,DUAL	DIL16P	+5V	70C	10MA	38MXNS	M011	TII	DM74LS352N
SN74LS353J	LST	MUX	MUX/DATA SEL,4-1LN,INV,3S,DUAL	DIL16C	+5V	70C	14MA	45MXNS	M012	TII	DM74LS353J
SN74LS353N	LST	MUX	MUX/DATA SEL,4-1LN,INV,3S,DUAL	DIL16P	+5V	70C	14MA	45MXNS	M012	TII	DM74LS353N
SN74LS354J	LST	MUX	MUX/DATA SELECT,8-1LN,REGR, 3S	DIL20C	+5V	70C	46MA	60MXNS	Z999	TII	-
SN74LS354N	LST	MUX	MUX/DATA SELECT,8-1LN,REGR, 3S	DIL20P	+5V	70C	46MA	60MXNS	Z999	TII	-
SN74LS355J	LST	MUX	MUX/DATA SELECT,8-1LN,REGR, OC	DIL20C	+5V	70C	46MA	66MXNS	Z999	TII	-
SN74LS355N	LST	MUX	MUX/DATA SELECT,8-1LN,REGR, OC	DIL20P	+5V	70C	46MA	66MXNS	Z999	TII	-
SN74LS356J	LST	MUX	MUX/DATA SELECT,4-1LN,D REG,3S	DIL20C	+5V	70C	46MA	60MXNS	Z999	TII	-
SN74LS356N	LST	MUX	MUX/DATA SELECT,4-1LN,D REG,3S	DIL20P	+5V	70C	46MA	60MXNS	Z999	TII	-
SN74LS357J	LST	MUX	MUX/DATA SELECT,8-1LN,D REG,OC	DIL20C	+5V	70C	46MA	66MXNS	Z999	TII	-
SN74LS357N	LST	MUX	MUX/DATA SELECT,8-1LN,D REG,OC	DIL20P	+5V	70C	46MA	66MXNS	Z999	TII	-
SN74LS362J	LST	CLK	CLOCK GENERATOR/DRIVER,4-PHASE	DIL20C	+5V	70C	175MA	4X3TPMHZ	Z041	TII	-
SN74LS362N	LST	CLK	CLOCK GENERATOR/DRIVER,4 PHASE	DIL20P	+5V	70C	75MA	4X3TPMHZ	Z041	TII	-
SN74LS363J	LST	LCH	LATCH,TRANSPARENT,3S OP, OCTAL	DIL20C	+5V	70C	70MA	36MXNS	L006	TII	N74LS363F

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
SN74LS363N	LST	LCH	LATCH,TRANSPARENT,3S OP, OCTAL	DIL20P	+5V	70C	70MA	36MXNS	L006	TII	N74LS363N
SN74LS364J	LST	FFD	FF/D, EDGE TRIG,3S OP, OCTAL	DIL20C	+5V	70C	70MA	36MXNS	F027	TII	N74LS364F
SN74LS364N	LST	FFD	FF/D, EDGE TRIG,3S OP, OCTAL	DIL20P	+5V	70C	70MA	36MXNS	F027	TII	N74LS364N
SN74LS365AJ	LST	LND	LINE DRIVER, 3S NON INV OP,HEX	DIL16C	+5V	70C	24MA	40MXNS	B007	TII	74LS365ADC
SN74LS365AN	LST	LND	LINE DRIVER, 3S NON INV OP,HEX	DIL16P	+5V	70C	24MA	40MXNS	B007	TII	74LS365APC
SN74LS365J	LST	LND	LINE DRIVER, 3S NON INV OP,HEX	DIL16C	+5V	70C	28MA	37MXNS	B007	TII	DM74LS365J
SN74LS365N	LST	LND	LINE DRIVER, 3S NON INV OP,HEX	DIL16P	+5V	70C	28MA	37MXNS	B007	TII	DM74LS365N
SN74LS366AJ	LST	LND	LINE DRIVER, 3S INV OP, HEX	DIL16C	+5V	70C	21MA	45MXNS	B008	TII	74LS366ADC
SN74LS366AN	LST	LND	LINE DRIVER, 3S INV OP, HEX	DIL16P	+5V	70C	21MA	45MXNS	B008	TII	74LS366APC
SN74LS366J	LST	LND	LINE DRIVER, 3S INV OP, HEX	DIL16C	+5V	70C	26MA	37MXNS	B008	TII	DM74LS366J
SN74LS366N	LST	LND	LINE DRIVER, 3S INV OP, HEX	DIL16P	+5V	70C	26MA	37MXNS	B008	TII	DM74LS366N
SN74LS367AJ	LST	LND	LINE DRIVER, 3S,2 ENABLE, HEX	DIL16C	+5V	70C	24MA	40MXNS	B014	TII	74LS367ADC
SN74LS367AN	LST	LND	LINE DRIVER, 3S,2 ENABLE, HEX	DIL16P	+5V	70C	24MA	40MXNS	B014	TII	74LS367APC
SN74LS367J	LST	LND	LINE DRIVER, 3S,2 ENABLE, HEX	DIL16C	+5V	70C	28MA	37MXNS	B014	TII	DM74LS367J
SN74LS367N	LST	LND	LINE DRIVER, 3S,2 ENABLE, HEX	DIL16P	+5V	70C	28MA	37MXNS	B014	TII	DM74LS367N
SN74LS368AJ	LST	LND	LINE DRIVER, 3S,2 EN,INV, HEX	DIL16C	+5V	70C	21MA	45MXNS	B009	TII	74LS368ADC
SN74LS368AN	LST	LND	LINE DRIVER, 3S,2 EN,INV, HEX	DIL16P	+5V	70C	21MA	45MXNS	B009	TII	74LS368APC
SN74LS368J	LST	LND	LINE DRIVER, 3S,2 EN,INV, HEX	DIL16C	+5V	70C	26MA	37MXNS	B009	TII	DM74LS368J
SN74LS368N	LST	LND	LINE DRIVER, 3S,2 EN,INV, HEX	DIL16P	+5V	70C	26MA	37MXNS	B009	TII	DM74LS368N
SN74LS373J	LST	LCH	LATCH, LO VOH 74363, OCTAL	DIL20C	+5V	70C	40MA	36MXNS	L006	TII	DM74LS373J
SN74LS373N	LST	LCH	LATCH, LO VOH 74363, OCTAL	DIL20P	+5V	70C	40MA	36MXNS	L006	TII	DM74LS373N
SN74LS374J	LST	FFD	FF/D, LO VOH 74364, OCTAL	DIL20C	+5V	70C	40MA	35MXMHZ	F027	TII	DM74LS374J
SN74LS374N	LST	FFD	FF/D, LO VOH 74373, OCTAL	DIL20P	+5V	70C	40MA	35MXMHZ	F027	TII	DM74LS374J
SN74LS375J	LST	FFD	FF/D, DIFFT PINOUT 7475, QUAD	DIL16C	+5V	70C	12MA	30MXNS	L007	TII	74LS375DC
SN74LS375N	LST	FFD	FF/D, DIFFT PINOUT 7475, QUAD	DIL16P	+5V	70C	12MA	30MXNS	L007	TII	74LS375PC
SN74LS377J	LST	FFD	FF/D, COMMON EN + CLK, OCTAL	DIL20C	+5V	70C	28MA	30MXMHZ	F028	TII	74LS377DC
SN74LS377N	LST	FFD	FF/D, COMMON EN + CLK, OCTAL	DIL20P	+5V	70C	28MA	30MXMHZ	F028	TII	74LS377PC
SN74LS378J	LST	FFD	FF/D, COMMON ENABLE, HEX	DIL16C	+5V	70C	22MA	30MXMHZ	R023	TII	74LS378DC
SN74LS378N	LST	FFD	FF/D, COMMON ENABLE, HEX	DIL16P	+5V	70C	22MA	30MXMHZ	R023	TII	74LS378PC
SN74LS379J	LST	FFD	FF/D, COMMON ENABLE, QUAD	DIL16C	+5V	70C	15MA	30MXMHZ	R024	TII	74LS379DC
SN74LS379N	LSI	FFD	FF/D, COMMON ENABLE, QUAD	DIL16P	+5V	70C	15MA	30MXMHZ	R024	TII	74LS379PC
SN74LS381J	LST	ALU	ALU, FUNCTION GEN,4 BIT, LAHCG	DIL20C	+5V	70C	-	-	Z038	TII	-
SN74LS381N	LST	ALU	ALU, FUNCTION GEN,4 BIT, LAHCG	DIL20P	+5V	70C	-	-	Z038	TII	-
SN74LS382J	LST	ALU	ALU,FUNCTION GEN,4 BT,OVERFLOW	DIL20C	+5V	70C	-	-	Z038	TII	-
SN74LS382N	LST	ALU	ALU,FUNCTION GEN,4 BT,OVERFLOW	DIL20P	+5V	70C	-	-	Z038	TII	-
SN74LS384J	LST	MLT	MULTIPLIER,8X1 BT,2-S COMPLEMT	DIL16C	+5V	70C	155MA	25MXMHZ	Z014	TII	74LS384DC
SN74LS384N	LST	MLT	MULTIPLIER,8X1 BT,2-S COMPLEMT	DIL16P	+5V	70C	155MA	25MXMHZ	Z014	TII	74LS384PC
SN74LS385J	LST	ADD	ADDER/SUBTRACTER,SERIAL, QUAD	DIL20C	+5V	70C	75MA	30MXMHZ	Z039	TII	-
SN74LS385N	LST	ADD	ADDER/SUBTRACTER,SERIAL, QUAD	DIL20P	+5V	70C	75MA	30MXMHZ	Z039	TII	-
SN74LS386J	LST	XOR	EXCLUSIVE-OR, 2 IP, QUAD	DIL14C	+5V	70C	10MA	30MXNS	X007	TII	DM74LS386J
SN74LS386N	LST	XOR	EXCLUSIVE-OR, 2 IP, QUAD	DIL14P	+5V	70C	10MA	30MXNS	X007	TII	DM74LS386N
SN74LS390J	LST	CTR	COUNTER,DECADE,2X5 DIV,UP,DUAL	DIL16C	+5V	70C	26MA	20MXMHZ	C013	TII	74LS390DC
SN74LS390N	LST	CTR	COUNTER,DECADE,2X5 DIV,UP,DUAL	DIL16P	+5V	70C	26MA	20MXMHZ	C013	TII	74LS390PC
SN74LS393J	LST	CTR	COUNTER,BINARY,2X8 DIV,UP,DUAL	DIL14C	+5V	70C	26MA	25MXMHZ	C014	TII	74LS393DC
SN74LS393N	LST	CTR	COUNTER,BINARY,2X8 DIV,UP,DUAL	DIL14P	+5V	70C	26MA	25MXMHZ	C014	TII	74LS393PC
SN74LS395AJ	LST	SRG	SHIFT REG, 4 BIT,3S OP, PIPO	DIL16C	+5V	70C	34MA	30MXMHZ	R025	TII	N74LS395AF
SN74LS395AN	LST	SRG	SHIFT REG, 4 BIT,3S OP, PIPO	DIL16P	+5V	70C	34MA	30MXMHZ	R025	TII	N74LS395AF
SN74LS395J	LST	SRG	SHIFT REG, 4 BIT,3S OP, PIPO	DIL16C	+5V	70C	29MA	25MXMHZ	R025	TII	74LS395DC
SN74LS395N	LST	SRG	SHIFT REG, 4 BIT,3S OP, PIPO	DIL16P	+5V	70C	29MA	25MXMHZ	R025	TII	74LS395PC
SN74LS396J	LST	SRG	SHIFT REG, 2 STAGE,4 BIT WIDE	DIL16C	+5V	70C	40MA	30MXNS	R040	TII	-
SN74LS396N	LST	SRG	SHIFT REG, 2 STAGE,4 BIT WIDE	DIL16P	+5V	70C	40MA	30MXNS	R040	TII	-
SN74LS398J	LST	MUX	MUX,2 IP,LATCH,2 RAIL OP, QUAD	DIL20C	+5V	70C	13MA	32MXNS	M018	TII	N74LS398F
SN74LS398N	LST	MUX	MUX,2 IP,LATCH,2 RAIL OP, QUAD	DIL20P	+5V	70C	13MA	32MXNS	M018	TII	N74LS398N
SN74LS399J	LST	MUX	MUX, 2 IP,LATCH,1 RAIL OP,QUAD	DIL16C	+5V	70C	13MA	32MXNS	M019	TII	N74LS399F
SN74LS399N	LST	MUX	MUX, 2 IP,LATCH,1 RAIL OP,QUAD	DIL16P	+5V	70C	13MA	32MXNS	M019	TII	N74LS399N
SN74LS422J	LST	MON	MONOSTABLE,MULTI,NO TRIG FM R	DIL14C	+5V	70C	-	-	Z999	TII	-
SN74LS422N	LST	MON	MONOSTABLE,MULTI,NO TRIG FM R	DIL14P	+5V	70C	-	-	Z999	TII	-
SN74LS423J	LST	MON	MONO,MULTI,NO TRIG FM R, DUAL	DIL16C	+5V	70C	-	-	Z999	TII	-
SN74LS423N	LST	MON	MONO,MULTI,NO TRIG FM R, DUAL	DIL16P	+5V	70C	-	-	Z999	TII	-
SN74LS424J	LST	CLK	CLOCK GENERATOR/DRIVER,2 PHASE	DIL16C	+5V	70C	115MA	27MXMHZ	Z040	TII	-
SN74LS424N	LST	CLK	CLOCK GENERATOR/DRIVER,2 PHASE	DIL16P	+5V	70C	115MA	27MXMHZ	Z040	TII	-
SN74LS428N	LST	XXX	SYSTEM CONTROLLER FOR TMS8080	DIL28P	+5V	70C	-	-	Z999	TII	-
SN74LS440J	LST	TRX	TRANSCVR,BUS,TRIDIR,OC, QUAD	DIL20C	+5V	70C	96MA	50MXNS	Z998	TII	-
SN74LS440N	LST	TRX	TRANSCVR,BUS,TRIDIR,OC, QUAD	DIL20P	+5V	70C	96MA	50MXNS	Z998	TII	-
SN74LS441J	LST	TRX	TRANSCVR,BUS,TRID,OC INV, QUAD	DIL20C	+5V	70C	96MA	40MXNS	Z998	TII	-
SN74LS441N	LST	TRX	TRANSCVR,BUS,TRID,OC INV, QUAD	DIL20P	+5V	70C	96MA	40MXNS	Z998	TII	-
SN74LS442J	LST	TRX	TRANSCVR,BUS,TRID,3S,DIR, QUAD	DIL20C	+5V	70C	95MA	42MXNS	T006	TII	-
SN74LS442N	LST	TRX	TRANSCVR,BUS,TRID,3S,DIR, QUAD	DIL20P	+5V	70C	95MA	42MXNS	T006	TII	-
SN74LS443J	LST	TRX	TRANSCVR,BUS,TRID,3S,INV, QUAD	DIL20C	+5V	70C	95MA	42MXNS	T006	TII	74LS443DC
SN74LS443N	LST	TRX	TRANSCVR,BUS,TRID,3S,INV, QUAD	DIL20P	+5V	70C	95MA	42MXNS	T006	TII	74LS443PC
SN74LS444J	LST	TRX	TRSCVR,BUS,TRD,3S,INV/DIR,QUAD	DIL20C	+5V	70C	95MA	42MXNS	T006	TII	-
SN74LS444N	LST	TRX	TRSCVR,BUS,TRD,3S,INV/DIR,QUAD	DIL20P	+5V	70C	95MA	42MXNS	T006	TII	-
SN74LS445J	LST	DVR	DRIVER, 80MA,LO VOLTAGE 74145	DIL16C	+5V	70C	13MA	50MXNS	D001	TII	N74LS445F
SN74LS445N	LST	DVR	DRIVER, 80MA,LO VOLTAGE 74145	DIL16P	+5V	70C	13MA	50MXNS	D001	TII	N74LS445N
SN74LS446J	LST	TRX	TRANSCVR,BUS,SEP DIR CTRL,QUAD	DIL20C	+5V	70C	-	-	Z999	TII	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAK ER	SUBSTITUTE
SN74LS446N	LST	TRX	TRANSCVR,BUS,SEP DIR CTRL,QUAD	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74LS447J	LST	DSP	DISPLAY DRIVER,BCD-7 SGT,7V,OC	DIL16C	+5V	70C	13MA	100MXNS	Z999	TII	-
SN74LS447N	LST	DSP	DISPLAY DRIVER,BCD-7 SGT,7V,OC	DIL16P	+5V	70C	13MA	100MXNS	Z999	TII	-
SN74LS448J	LST	TRX	TRANSCVR,BUS,TRIDIR,OC INV/DIR	DIL20C	+5V	70C	96MA	40MXNS	Z999	TII	-
SN74LS448N	LST	TRX	TRANSCVR,BUS,TRIDIR,OC INV/DIR	DIL20P	+5V	70C	96MA	40MXNS	Z999	TII	-
SN74LS449J	LST	TRX	TRNSCVR,BUS,INDIV CONTROL,QUAD	DIL20C	+5V	70C	-	-	Z999	TII	-
SN74LS449N	LST	TRX	TRNSCVR,BUS,INDIV CONTROL,QUAD	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74LS450N	LST	CTR	COUNTER LATCH DECODER	-	+5V	70C	-	-	Z999	TII	-
SN74LS462J	LST	XXX	DATA LINK CTRLLR,FIBRE OPT, TX	DIL20C	+5V	70C	100MA	10MXMHZ	Z999	TII	-
SN74LS462N	LST	XXX	DATA LINK CTRLLR,FIBRE OPT, TX	DIL20P	+5V	70C	100MA	10MXMHZ	Z999	TII	-
SN74LS463J	LST	XXX	DATA LINK CTRLLR,FIBRE OPT, RX	DIL20C	+5V	70C	100MA	10MXMHZ	Z999	TII	-
SN74LS463N	LST	XXX	DATA LINK CTRLLR,FIBRE OPT, RX	DIL20P	+5V	70C	100MA	10MXMHZ	Z999	TII	-
SN74LS468N	LST	LSH	DUAL MOS-TO-TTL LEVEL SHIFT 3S	-	+5V	70C	-	-	Z999	TII	-
SN74LS484J	LST	CVR	CONVERTER,BCD-BINARY,3S	DIL20C	+5V	70C	-	-	Z999	TII	-
SN74LS484N	LST	CVR	CONVERTER,BCD-BINARY,3S	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74LS485J	LST	CVR	CONVERTER,BINARY-BCD, 3S	DIL20C	+5V	70C	-	-	Z999	TII	-
SN74LS485N	LST	CVR	CONVERTER,BINARY-BCD, 3S	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74LS490J	LST	CTR	COUNTER,4 BT,DECAD,RIPPLE,DUAL	DIL16C	+5V	70C	70MA	25MXMHZ	C015	TII	74LS490DC
SN74LS490N	LST	CTR	COUNTER,4 BT,DECAD,RIPPLE,DUAL	DIL16P	+5V	70C	70MA	25MXMHZ	C015	TII	74LS490PC
SN74LS540J	LST	LND	LINE DRIVER,DIFFT PINOUT 54240	DIL20C	+5V	70C	50MA	30MXNS	B010	TII	74LS540DC
SN74LS540N	LST	LND	LINE DRIVER,DIFFT PINOUT 54240	DIL20P	+5V	70C	50MA	30MXNS	B010	TII	74LS540PC
SN74LS541J	LST	LND	LINE DRIVER,DIFFT PINOUT 74241	DIL20C	+5V	70C	54MA	30MXNS	B011	TII	74LS541DC
SN74LS541N	LST	LND	LINE DRIVER,DIFFT PINOUT 74241	DIL20P	+5V	70C	54MA	30MXNS	B011	TII	74LS541PC
SN74LS573J	LST	LCH	OCTAL D-TYPE LATCH 3S OP	DIL20C	+5V	70C	40MA	27MXNS	F029	MOT	-
SN74LS573N	LST	LCH	OCTAL D-TYPE LATCH 3S OP	DIL20P	+5V	70C	40MA	27MXNS	F029	MOT	-
SN74LS573W	LST	LCH	OCTAL D-TYPE LATCH 3S OP	FLP20	+5V	70C	40MA	27MXNS	F029	MOT	-
SN74LS574J	LST	FFD	OCTAL D-TYPE FLIP FLOP 3S OP	DIL20C	+5V	70C	45MA	34MXNS	F029	MOT	-
SN74LS574N	LST	FFD	OCTAL D-TYPE FLIP-FLOP 3S OP	DIL20P	+5V	70C	45MA	34MXNS	F029	MOT	-
SN74LS574W	LST	FFD	OCTAL D-TYPE FLIP-FLOP 3S OP	FLP20	+5V	70C	45MA	34MXNS	F029	MOT	-
SN74LS590J	LST	CTR	COUNTER WITH LATCH	DIL--C	+5V	70C	-	-	Z999	TII	-
SN74LS590N	LST	CTR	COUNTER WITH LATCH	DIL--P	+5V	70C	-	-	Z999	TII	-
SN74LS591J	LST	CTR	COUNTER WITH LATCH	DIL--C	+5V	70C	-	-	Z999	TII	-
SN74LS591N	LST	CTR	COUNTER WITH LATCH	DIL--P	+5V	70C	-	-	Z999	TII	-
SN74LS592J	LST	CTR	COUNTER WITH LATCH	DIL--C	+5V	70C	-	-	Z999	TII	-
SN74LS592N	LST	CTR	COUNTER WITH LATCH	DIL--P	+5V	70C	-	-	Z999	TII	-
SN74LS593J	LST	CTR	COUNTER WITH LATCH	DIL--C	+5V	70C	-	-	Z999	TII	-
SN74LS593N	LST	CTR	COUNTER WITH LATCH	DIL--P	+5V	70C	-	-	Z999	TII	-
SN74LS594J	LST	CTR	COUNTER WITH LATCH	DIL--C	+5V	70C	-	-	Z999	TII	-
SN74LS594N	LST	CTR	COUNTER WITH LATCH	DIL--P	+5V	70C	-	-	Z999	TII	-
SN74LS595J	LST	SRG	SHIFT REGISTER WITH LATCH	DIL--C	+5V	70C	-	-	Z999	TII	-
SN74LS595N	LST	SRG	SHIFT REGISTER WITH LATCH	DIL--P	+5V	70C	-	-	Z999	TII	-
SN74LS596J	LST	SRG	SHIFT REGISTER WITH LATCH	DIL--C	+5V	70C	-	-	Z999	TII	-
SN74LS596N	LST	SRG	SHIFT REGISTER WITH LATCH	DIL--P	+5V	70C	-	-	Z999	TII	-
SN74LS597J	LST	SRG	SHIFT REGISTER WITH LATCH	DIL--C	+5V	70C	-	-	Z999	TII	-
SN74LS597N	LST	SRG	SHIFT REGISTER WITH LATCH	DIL--P	+5V	70C	-	-	Z999	TII	-
SN74LS598J	LST	SRG	SHIFT REGISTER WITH LATCH	DIL--C	+5V	70C	-	-	Z999	TII	-
SN74LS598N	LST	SRG	SHIFT REGISTER WITH LATCH	DIL--P	+5V	70C	-	-	Z999	TII	-
SN74LS600J	LST	MIC	MEMORY TIMER/CTRLR,4/16K,TRANS	DIL20C	+5V	70C	-	-	Z043	TII	-
SN74LS600N	LST	MIC	MEMORY TIMER/CTRLR,4/16K,TRANS	DIL20P	+5V	70C	-	-	Z043	TII	-
SN74LS601J	LST	MIC	MEMORY TIMER/CTRLR,64K,TRANS	DIL20C	+5V	70C	-	-	Z999	TII	-
SN74LS601N	LST	MIC	MEMORY TIMER/CTRLR,64K,TRANS	DIL20P	+5V	70C	-		Z999	TII	-
SN74LS602J	LST	MIC	MEMORY TIMER/CTRLR,4/16K,C STL	DIL20C	+5V	70C	-	-	Z999	TII	-
SN74LS602N	LST	MIC	MEMORY TIMER/CTRLR,4/16K,C STL	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74LS603J	LST	MIC	MEMORY TIMER/CTRLR,64K,C STEAL	DIL20C	+5V	70C	-	-	Z999	TII	-
SN74LS603N	LST	MIC	MEMORY TIMER/CTRLR,64K,C STEAL	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74LS604J	LST	MUX	MUX,16 TO 8,HIGH SPEED, 3S OP	DIL28C	+5V	70C	70MA	40MXNS	M021	TII	-
SN74LS604N	LST	MUX	MUX,16 TO 8,HIGH SPEED, 3S OP	DIL28P	+5V	70C	70MA	40MXNS	M021	TII	-
SN74LS605J	LST	MUX	MUX,16 TO 8,HIGH SPEED,OC OP	DIL28C	+5V	70C	70MA	60MXNS	M021	TII	-
SN74LS605N	LST	MUX	MUX,16 TO 8,HIGH SPEED,OC OP	DIL28P	+5V	70C	70MA	60MXNS	M021	TII	-
SN74LS606J	LST	MUX	MUX,16 TO 8,NORM SPEED, 3S OP	DIL28C	+5V	70C	70MA	50MXNS	M021	TII	-
SN74LS606N	LST	MUX	MUX,16 TO 8,NORM SPEED, 3S OP	DIL28P	+5V	70C	70MA	50MXNS	M021	TII	-
SN74LS607J	LST	MUX	MUX,16 TO 8,NORM SPEED, OC OP	DIL28C	+5V	70C	70MA	70MXNS	M021	TII	-
SN74LS607N	LST	MUX	MUX,16 TO 8,NORM SPEED, OC OP	DIL28P	+5V	70C	70MA	70MXNS	M021	TII	-
SN74LS608J	LST	MIC	MEMORY CYCLE CONTROLLER, 3S OP	DIL16C	+5V	70C	-	-	Z044	TII	-
SN74LS608N	LST	MIC	MEMORY CYCLE CONTROLLER, 3S OP	DIL16P	+5V	70C	-	-	Z044	TII	-
SN74LS610J	LST	MIC	MEMORY MAPPER, WITH LATCH, 3S	DIL40C	+5V	70C	-	-	Z045	TII	-
SN74LS610N	LST	MIC	MEMORY MAPPER, WITH LATCH, 3S	DIL40P	+5V	70C	-	-	Z045	TII	-
SN74LS611J	LST	MIC	MEMORY MAPPER,WITH LATCH, OC	DIL40C	+5V	70C	-	-	Z999	TII	-
SN74LS611N	LST	MIC	MEMORY MAPPER,WITH LATCH, OC	DIL40P	+5V	70C	-	-	Z999	TII	-
SN74LS612J	LST	MIC	MEMORY MAPPER,W/O LATCH, 3S OP	DIL40C	+5V	70C	-	-	Z999	TII	-
SN74LS612N	LST	MIC	MEMORY MAPPER,W/O LATCH, 3S OP	DIL40P	+5V	70C	-	-	Z999	TII	-
SN74LS613J	LST	MIC	MEMORY MAPPER,W/O LATCH, OC OP	DIL40C	+5V	70C	-	-	Z999	TII	-
SN74LS613N	LST	MIC	MEMORY MAPPER,W/O LATCH, OC OP	DIL40P	+5V	70C	-	-	Z999	TII	-
SN74LS620J	LST	TRX	TRCVR,DUAL CONTRL,INV,3S,OCTAL	DIL20C	+5V	70C	95MA	40MXNS	Z999	TII	-
SN74LS620N	LST	TRX	TRCVR,DUAL CONTRL,INV,3S,OCTAL	DIL20P	+5V	70C	95MA	40MXNS	Z999	TII	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
SN74LS621J	LST	TRX	TRCVR,DUAL CONTRL,DIR,OC,OCTAL	DIL20C	+5V	70C	90MA	50MXNS	Z999	TII	-
SN74LS621N	LST	TRX	TRCVR,DUAL CONTRL,DIR,OC,OCTAL	DIL20P	+5V	70C	90MA	50MXNS	Z999	TII	-
SN74LS622J	LST	TRX	TRCVR,DUAL CONTRL,INV,OC,OCTAL	DIL20C	+5V	70C	90MA	60MXNS	Z999	TII	-
SN74LS622N	LST	TRX	TRCVR,DUAL CONTRL,INV,OC,OCTAL	DIL20P	+5V	70C	90MA	60MXNS	Z999	TII	-
SN74LS623J	LST	TRX	TRCVR,DUAL CONTRL,DIR,3S,OCTAL	DIL20C	+5V	70C	95MA	40MXNS	Z999	TII	-
SN74LS623N	LST	TRX	TRCVR,DUAL CONTRL,DIR,3S,OCTAL	DIL20P	+5V	70C	95MA	40MXNS	Z999	TII	-
SN74LS624J	LST	VCO	VOLTAGE CONTROLLED OSC, 2PH OP	DIL14C	+5V	70C	-	-	Z999	TII	-
SN74LS624N	LST	VCO	VOLTAGE CONTROLLED OSC, 2PH OP	DIL14P	+5V	70C	-	-	V003	TII	-
SN74LS625J	LST	VCO	VOLTAGE CONTR OSC, 2PH OP,DUAL	DIL16C	+5V	70C	-	-	V003	TII	-
SN74LS625N	LST	VCO	VOLTAGE CONTR OSC, 2PH OP,DUAL	DIL16P	+5V	70C	-	-	V003	TII	-
SN74LS626J	LST	VCO	VCO,2PH OP,ENABLE CONTROL,DUAL	DIL16C	+5V	70C	-	-	V005	TII	-
SN74LS626N	LST	VCO	VCO,2PH OP,ENABLE CONTROL,DUAL	DIL16P	+5V	70C	-	-	V005	TII	-
SN74LS627J	LST	VCO	VOLTAGE CONTRL OSC,1PH OP,DUAL	DIL14C	+5V	70C	-	-	V006	TII	-
SN74LS627N	LST	VCO	VOLTAGE CONTRL OSC,1PH OP,DUAL	DIL14P	+5V	70C	-	-	V006	TII	-
SN74LS628J	LST	VCO	VOLTAGE CONTROLLED OSCILLATOR	DIL14C	+5V	70C	-	-	Z999	TII	-
SN74LS628N	LST	VCO	VOLTAGE CONTROLLED OSCILLATOR	DIL14P	+5V	70C	-	-	Z999	TII	-
SN74LS629J	LST	VCO	VCO (IMPROVED 74124)	DIL16C	+5V	70C	-	-	Z999	TII	-
SN74LS629N	LST	VCO	VCO (IMPROVED 74124)	DIL16P	+5V	70C	-	-	Z999	TII	-
SN74LS630J	LST	PAR	ERROR CORRECTION CCTS,16BT PAR	DIL28C	+5V	70C	-	-	Z999	TII	-
SN74LS630N	LST	PAR	ERROR CORRECTION CCTS,16BT PAR	DIL28P	+5V	70C	-	-	Z999	TII	-
SN74LS631J	LST	PAR	ERROR CORRECTION CCTS,16BT PAR	DIL28C	+5V	70C	-	-	Z999	TII	-
SN74LS631N	LST	PAR	ERROR CORRECTION CCTS,16BT PAR	DIL28P	+5V	70C	-	-	Z999	TII	-
SN74LS638J	LST	TRX	TRCVR,BUS, OC+3S OPS,INV,OCTAL	DIL20C	+5V	70C	-	-	Z999	TII	-
SN74LS638N	LST	TRX	TRCVR,BUS, OC+3S OPS,INV,OCTAL	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74LS639J	LST	TRX	TRCVR,BUS, OC+3S OPS,DIR,OCTAL	DIL20C	+5V	70C	-	-	Z999	TII	-
SN74LS639N	LST	TRX	TRCVR,BUS, OC+3S OPS,DIR,OCTAL	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74LS640J	LST	TRX	TRANSCEIVER, BUS,3S,INV, OCTAL	DIL20C	+5V	70C	95MA	40MXNS	T007	TII	-
SN74LS640N	LST	TRX	TRANSCEIVER, BUS,3S,INV, OCTAL	DIL20P	+5V	70C	95MA	40MXNS	T007	TII	-
SN74LS641J	LST	TRX	TRANSCEIVER, BUS,OC,DIR, OCTAL	DIL20C	+5V	70C	95MA	50MXNS	T003	TII	-
SN74LS641N	LST	TRX	TRANSCEIVER, BUS,OC,DIR, OCTAL	DIL20P	+5V	70C	95MA	50MXNS	T003	TII	-
SN74LS642J	LST	TRX	TRANSCEIVER,BUS,OC INV, OCTAL	DIL20C	+5V	70C	95MA	60MXNS	T007	TII	-
SN74LS642N	LST	TRX	TRANSCEIVER,BUS,OC INV, OCTAL	DIL20P	+5V	70C	95MA	60MXNS	T007	TII	-
SN74LS643J	LST	TRX	TRANSCVR,BUS,DIR/INV,3S, OCTAL	DIL20C	+5V	70C	95MA	40MXNS	Z999	TII	-
SN74LS643N	LST	TRX	TRANSCVR,BUS,DIR/INV,3S, OCTAL	DIL20P	+5V	70C	95MA	40MXNS	Z999	TII	-
SN74LS644J	LST	TRX	TRANSCVR,BUS,DIR/INV,OC, OCTAL	DIL20C	+5V	70C	95MA	60MXNS	Z999	TII	-
SN74LS644N	LST	TRX	TRANSCVR,BUS,DIR/INV,OC, OCTAL	DIL20P	+5V	70C	95MA	60MXNS	Z999	TII	-
SN74LS645J	LST	TRX	TRANSCEIVER,BUS,OC, OCTAL	DIL20C	+5V	70C	95MA	40MXNS	Z999	TII	-
SN74LS645N	LST	TRX	TRANSCEIVER,BUS,OC, OCTAL	DIL20P	+5V	70C	95MA	40MXNS	Z999	TII	-
SN74LS646J	LST	TRX	TRANSCVR,REG,NON INV,3S, OCTAL	DIL24C	+5V	70C	-	-	Z999	TII	-
SN74LS646N	LST	TRX	TRANSCVR,REG,NON INV,3S, OCTAL	DIL24P	+5V	70C	-	-	Z999	TII	-
SN74LS647J	LST	TRX	TRANSCVR,REG,NON INV,OC, OCTAL	DIL24C	+5V	70C	-	-	Z999	TII	-
SN74LS647N	LST	TRX	TRANSCVR,REG,NON INV,OC, OCTAL	DIL24P	+5V	70C	-	-	Z999	TII	-
SN74LS648J	LST	TRX	TRANSCEIVER,REG,INV,3S, OCTAL	DIL24C	+5V	70C	-	-	Z999	TII	-
SN74LS648N	LST	TRX	TRANSCEIVER,REG,INV,3S, OCTAL	DIL24P	+5V	70C	-	-	Z999	TII	-
SN74LS649J	LST	TRX	TRANSCEIVER,REG,DIR,OC, OCTAL	DIL24C	+5V	70C	-	-	Z999	TII	-
SN74LS649N	LST	TRX	TRANSCEIVER,REG,DIR,OC, OCTAL	DIL24P	+5V	70C	-	-	Z999	TII	-
SN74LS668J	LST	CTR	COUNTER, DECADE,4 BIT,UP/DOWN	DIL16C	+5V	70C	34MA	25MXMHZ	C006	TII	-
SN74LS668N	LST	CTR	COUNTER, DECADE,4 BIT,UP/DOWN	DIL16P	+5V	70C	34MA	25MXMHZ	C006	TII	-
SN74LS669J	LST	CTR	COUNTER, BINARY,4 BIT,UP/DOWN	DIL16C	+5V	70C	34MA	25MXMHZ	C006	TII	-
SN74LS669N	LST	CTR	COUNTER, BINARY,4 BIT,UP/DOWN	DIL16P	+5V	70C	34MA	25MXMHZ	C006	TII	-
SN74LS670J	LST	REG	REGISTER FILE,4X4 BIT, 3S OP	DIL16C	+5V	70C	50MA	50MXNS	R029	TII	DM74LS670J
SN74LS670N	LST	REG	REGISTER FILE,4X4 BIT, 3S OP	DIL16P	+5V	70C	50MA	50MXNS	R029	TII	DM74LS670N
SN74LS671J	LST	SRG	SHIFT REGISTER WITH LATCH	DIL--C	+5V	70C	-	-	Z999	TII	-
SN74LS671N	LST	SRG	SHIFT REGISTER WITH LATCH	DIL--P	+5V	70C	-	-	Z999	TII	-
SN74LS672N	LST	SRG	SHIFT REGISTER WITH LATCH	DIL--P	+5V	70C	-	-	Z999	TII	-
SN74LS672J	LST	SRG	SHIFT REGISTER WITH LATCH	DIL--C	+5V	70C	-	-	Z999	TII	-
SN74LS673J	LST	SRG	SHIFT REG, 16 BIT,SISO+PO	DIL24P	+5V	70C	80MA	20MXMHZ	R041	TII	-
SN74LS673N	LST	SRG	SHIFT REG, 16 BIT,SISO+PO	DIL24P	+5V	70C	80MA	20MXMHZ	R041	TII	-
SN74LS674J	LST	SRG	SHIFT REG, 16 BIT,PISO	DIL24C	+5V	70C	40MA	20MXMHZ	R042	TII	-
SN74LS674N	LST	SRG	SHIFT REG, 16 BIT,PISO	DIL24P	+5V	70C	40MA	20MXMHZ	R042	TII	-
SN74LS681J	LST	MIC	ACCUMULATOR, 4 BIT,BIN,PARALL	DIL20C	+5V	70C	-	-	W003	TII	-
SN74LS681N	LST	MIC	ACCUMULATOR, 4 BIT,BIN,PARALL	DIL20P	+5V	70C	-	-	W003	TII	-
SN74LS682J	LST	CMP	COMPARATOR,MAGNITUDE,8 BIT	DIL20C	+5V	70C	70MA	30MXNS	Z999	TII	-
SN74LS682N	LST	CMP	COMPARATOR,MAGNITUDE,8 BIT	DIL20P	+5V	70C	70MA	30MXNS	Z999	TII	-
SN74LS683J	LST	CMP	COMPARATOR,MAGNITUDE,8 BT, OC	DIL20C	+5V	70C	70MA	45MXNS	Z999	TII	-
SN74LS683N	LST	CMP	COMPARATOR,MAGNITUDE,8 BT, OC	DIL20P	+5V	70C	70MA	45MXNS	Z999	TII	-
SN74LS684J	LST	CMP	COMPARATOR,MAGNITUDE,8 BT	DIL20C	+5V	70C	65MA	30MXNS	Z046	TII	-
SN74LS684N	LST	CMP	COMPARATOR,MAGNITUDE,8 BT	DIL20P	+5V	70C	65MA	30MXNS	Z046	TII	-
SN74LS685J	LST	CMP	COMPARATOR,MAGNITUDE, OC	DIL20C	+5V	70C	65MA	45MXNS	Z999	TII	-
SN74LS685N	LST	CMP	COMPARATOR,MAGNITUDE,OC	DIL20P	+5V	70C	65MA	45MXNS	Z999	TII	-
SN74LS686J	LST	CMP	COMPARATOR,MAGNITUDE, 8 BIT	DIL24C	+5V	70C	75MA	30MXNS	Z999	TII	-
SN74LS686N	LST	CMP	COMPARATOR,MAGNITUDE, 8 BIT	DIL24P	+5V	70C	75MA	30MXNS	Z999	TII	-
SN74LS687J	LST	CMP	COMPARATOR,MAGNITUDE,8 BIT,OC	DIL24C	+5V	70C	75MA	30MXNS	Z999	TII	-
SN74LS687N	LST	CMP	COMPARATOR,MAGNITUDE,8 BIT,OC	DIL24P	+5V	70C	75MA	35MXNS	Z999	TII	-
SN74LS688J	LST	CMP	COMPARATOR,MAGNITUDE, 8 BIT	DIL20C	+5V	70C	65MA	23MXNS	Z999	TII	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
SN74LS688N	LST	CMP	COMPARATOR,MAGNITUDE, 8 BIT	DIL20P	+5V	70C	65MA	23MXNS	Z999	TII	-
SN74LS689J	LST	CMP	COMPARATOR,MAGNITUDE, 8 BIT,OC	DIL20C	+5V	70C	65MA	40MXNS	Z999	TII	-
SN74LS689N	LST	CMP	COMPARATOR,MAGNITUDE, 8 BIT,OC	DIL20P	+5V	70C	65MA	40MXNS	Z999	TII	-
SN74LS690J	LST	CTR	COUNTER,DEC,DIR R,SYNC,LTCH,3S	DIL20C	+5V	70C	-	-	C021	TII	-
SN74LS690N	LST	CTR	COUNTER,DEC,DIR R,SYNC,LTCH,3S	DIL20P	+5V	70C	-	-	C021	TII	-
SN74LS691J	LST	CTR	COUNTER,HEX,DIR R,SYNC,LTCH,3S	DIL20C	+5V	70C	-	-	C021	TII	-
SN74LS691N	LST	CTR	COUNTER,HEX,DIR R,SYNC,LTCH,3S	DIL20P	+5V	70C	-	-	C021	TII	-
SN74LS692J	LST	CTR	COUNTER,DEC,SYN R,SYNC,LTCH,3S	DIL20C	+5V	70C	-	-	C021	TII	-
SN74LS692N	LST	CTR	COUNTER,DEC,SYN R,SYNC,LTCH,3S	DIL20P	+5V	70C	-	-	C021	TII	-
SN74LS693J	LST	CTR	COUNTER,HEX,SYN R,SYNC,LTCH,3S	DIL20C	+5V	70C	-	-	C021	TII	-
SN74LS693N	LST	CTR	COUNTER,HEX,SYN R,SYNC,LTCH,3S	DIL20P	+5V	70C	-	-	C021	TII	-
SN74LS696J	LST	CTR	COUNTER,DEC,UP/DOWN,3S,DIR R	DIL20C	+5V	70C	-	-	C022	TII	-
SN74LS696N	LST	CTR	COUNTER,DEC,UP/DOWN,3S,DIR R	DIL20P	+5V	70C	-	-	C022	TII	-
SN74LS697J	LST	CTR	COUNTER,HEX,UP/DOWN,3S,DIR R	DIL20C	+5V	70C	-	-	C022	TII	-
SN74LS697N	LST	CTR	COUNTER,HEX,UP/DOWN,3S,DIR R	DIL20P	+5V	70C	-	-	C022	TII	-
SN74LS698J	LST	CTR	COUNTER,DEC,UP/DWN,3S, SYNC R	DIL20C	+5V	70C	-	-	C022	TII	-
SN74LS698N	LST	CTR	COUNTER,DEC,UP/DWN,3S, SYNC R	DIL20P	+5V	70C	-	-	C022	TII	-
SN74LS699J	LST	CTR	COUNTER,HEX,UP/DWN,3S,SYNC R	DIL20C	+5V	70C	-	-	C022	TII	-
SN74LS699N	LST	CTR	COUNTER,HEX,UP/DWN,3S,SYNC R	DIL20P	+5V	70C	-	-	C022	TII	-
SN74S00 SER	STL	-	ALTERNATE SOURCE SN74S00 SER	-	-	70C	-	-	-	MMI	-
SN74S00 SER	STL	-	ALTERNATE SOURCE SN74S00 SER	-	-	70C	-	-	-	ADM	-
SN74S00 SER	STL	-	74S SERIES DETAILED SEPARATELY	-	-	70C	-	-	-	TII	-
SN74S00J SER	STL	-	CER DIL STL SER DETAILED SEP	DIL--C	-	70C	-	-	-	TII	-
SN74S00N SER	STL	-	PLASTIC DIL HTL DETAILED SEPT	DIL--P	-	70C	-	-	-	TII	-
SN74S00W SER	STL	-	FLP STL SERIES DETAILED SEPTLY	FLP---	-	70C	-	-	-	TII	-
SN74S00J	STL	NAN	NAND, 2IP, QUAD	DIL14C	+5V	70C	36MA	5MXNS	N001	TII	DM74S00J
SN74S00N	STL	NAN	NAND, 2IP, QUAD	DIL14P	+5V	70C	36MA	5MXNS	N001	TII	DM74S00N
SN74S00N3 SER	STL	-	PEP3 HI REL VERSN SN74S00N3 SR	DIL--P	+5V	70C	-	-	-	TII	-
SN74S02J	STL	NOR	NOR, 2IP, QUAD	DIL14C	+5V	70C	45MA	5 5MXNS	Q001	TII	DM74S02J
SN74S02N	STL	NOR	NOR, 2IP, QUAD	DIL14P	+5V	70C	45MA	5 5MXNS	Q001	TII	DM74S02N
SN74S03J	STL	NAN	NAND, 2IP, OC OP, QUAD	DIL14C	+5V	70C	36MA	7 5MXNS	N001	TII	DM74S03J
SN74S03N	STL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	70C	36MA	7.5MXNS	N001	TII	DM74S03N
SN74S04AJ	STL	INV	INVERTER, HEX	DIL14C	+5V	70C	58MA	10MXNS	I001	TII	74S04ADC
SN74S04AN	STL	INV	INVERTER, HEX	DIL14P	+5V	70C	58MA	10MXNS	I001	TII	74S04ADC
SN74S04J	STL	INV	INVERTER, HEX	DIL14C	+5V	70C	54MA	5MXNS	I001	TII	DM74S04J
SN74S04N	STL	INV	INVERTER, HEX	DIL14P	+5V	70C	54MA	5MXNS	I001	TII	DM74S04N
SN74S05AJ	STL	INV	INVERTER, OC 15V OP, HEX	DIL14C	+5V	70C	54MA	5.5MXNS	I001	TII	74S05ADC
SN74S05AN	STL	INV	INVERTER, OC 15V OP, HEX	DIL14P	+5V	70C	54MA	5 5MXNS	I001	TII	74S05APC
SN74S05J	STL	INV	INVERTER, OC OP, HEX	DIL14C	+5V	70C	54MA	705MXNS	I001	TII	DM74S05J
SN74S05N	STL	INV	INVERTER, OC OP, HEX	DIL14P	+5V	70C	54MA	7 5MXNS	I001	TII	DM74S05N
SN74S08J	STL	AND	AND, 2IP, QUAD	DIL14C	+5V	70C	57MA	7 5MXNS	A001	TII	DM74S08J
SN74S08N	STL	AND	AND, 2IP, QUAD	DIL14P	+5V	70C	57MA	7 5MXNS	A001	TII	DM74S08N
SN74S09J	STL	AND	AND, 2IP, OC OP, QUAD	DIL14C	+5V	70C	57MA	10MXNS	A001	TII	DM74S09J
SN74S09N	STL	AND	AND, 2IP, OC OP, QUAD	DIL14P	+5V	70C	57MA	10MXNS	A001	TII	DM74S09N
SN74S10J	STL	NAN	NAND, 3IP, TRIPLE	DIL14C	+5V	70C	27MA	5MXNS	N004	TII	DM74S10J
SN74S10N	STL	NAN	NAND, 3IP, TRIPLE	DIL14P	+5V	70C	27MA	5MXNS	N004	TII	DM74S10N
SN74S11J	STL	AND	AND, 3IP, TRIPLE	DIL14C	+5V	70C	42MA	7 5MXNS	A003	TII	DM74S11J
SN74S11N	STL	AND	AND, 3IP, TRIPLE	DIL14P	+5V	70C	42MA	7 5MXNS	A003	TII	DM74S11N
SN74S15J	STL	AND	AND, 3IP, OC OP, TRIPLE	DIL14C	+5V	70C	4.2MA	9MXNS	A003	TII	DM74S15J
SN74S15N	STL	AND	AND, 3IP, OC OP, TRIPLE	DIL14P	+5V	70C	4 2MA	9MXNS	A003	TII	DM74S15N
SN74S20J	STL	NAN	NAND, 4IP, DUAL	DIL14C	+5V	70C	18MA	5MXNS	N008	TII	DM74S20J
SN74S20N	STL	NAN	NAND, 4IP, DUAL	DIL14P	+5V	70C	18MA	5MXNS	N008	TII	DM74S20N
SN74S22J	STL	NAN	NAND, 4IP, OC OP, DUAL	DIL14C	+5V	70C	18MA	7 5MXNS	N008	TII	DM74S22J
SN74S22N	STL	NAN	NAND, 4IP, OC OP, DUAL	DIL14P	+5V	70C	18MA	7.5MXNS	N008	TII	DM74S22N
SN74S30J	STL	NAN	NAND, 8IP	DIL14C	+5V	70C	10MA	7MXNS	N010	TII	DM74S30J
SN74S30N	STL	NAN	NAND, 8IP	DIL14P	+5V	70C	10MA	7MXNS	N010	TII	DM74S30J
SN74S32J	STL	ORG	OR, 2IP, QUAD	DIL14C	+5V	70C	68MA	7MXNS	O001	TII	DM74S32J
SN74S32N	STL	ORG	OR, 2IP, QUAD	DIL14P	+5V	70C	68MA	7MXNS	O001	TII	DM74S32N
SN74S37J	STL	NAN	NAND, BUFFER, 2IP, QUAD	DIL14C	+5V	70C	80MA	6.5MXNS	N001	TII	N74S37F
SN74S37N	STL	NAN	NAND, BUFFER, 2IP, QUAD	DIL14P	+5V	70C	80MA	6.5MXNS	N001	TII	N74S37N
SN74S38J	STL	NAN	NAND, BUFFER, 2IP, OC OP, QUAD	DIL14C	+5V	70C	80MA	10MXNS	N001	TII	N74S38F
SN74S38N	STL	NAN	NAND, BUFFER, 2IP, OC OP, QUAD	DIL14P	+5V	70C	80MA	10MXNS	N001	TII	N74S38N
SN74S40J	STL	NAN	NAND, BUFFER, 4IP, DUAL	DIL14C	+5V	70C	44MA	6TPNS	N008	TII	DM74S40J
SN74S40N	STL	NAN	NAND, BUFFER, 4IP, DUAL	DIL14P	+5V	70C	44MA	6TPNS	N008	TII	DM74S40N
SN74S51J	STL	AOI	AOI, 2IP, 2WIDE, DUAL	DIL14C	+5V	70C	22MA	5.5TPNS	Y003	TII	DM74S51J
SN74S51N	STL	AOI	AOI, 2IP, 2WIDE, DUAL	DIL14P	+5V	70C	22MA	5.5TPNS	Y003	TII	DM74S51N
SN74S64J	STL	AOI	AOI, 4-2-3-2IP, EXPANDABLE	DIL14C	+5V	70C	16MA	5.5TPNS	Y020	TII	DM74S64J
SN74S64N	STL	AOI	AOI, 4-2-3-2IP, EXPANDABLE	DIL14P	+5V	70C	16MA	5.5TPNS	Y020	TII	DM74S64N
SN74S65J	STL	AOI	AOI, 4-2-3-2IP,OC OP,EXPANDBLE	DIL14C	+5V	70C	16MA	6.5TPNS	Y020	TII	DM74S65J
SN74S65N	STL	AOI	AOI, 4-2-3-2IP,OC OP,EXPANDBLE	DIL14P	+5V	70C	16MA	6.5TPNS	Y020	TII	DM74S65N
SN74S74J	STL	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	DIL14C	+5V	70C	50MA	75MXMHZ	F008	TII	DM74S74J
SN74S74N	STL	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	DIL14P	+5V	70C	50MA	75MXMHZ	F008	TII	DM74S74N
SN74S85J	STL	CMP	COMPARATOR, MAGNITUDE, 4 BIT	DIL16C	+5V	70C	39MA	24MXNS	Z005	TII	N74S85F
SN74S85N	STL	CMP	COMPARATOR, MAGNITUDE, 4 BIT	DIL16P	+5V	70C	39MA	24MXNS	Z005	TII	N74S85N
SN74S86J	STL	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14C	+5V	70C	50MA	30MXNS	X001	TII	DM74S86J

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAK ER	SUBSTITUTE
SN74S86N	STL	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14P	+5V	70C	50MA	30MXNS	X001	TII	DM74S86N
SN74S112J	STL	FFJ	FF/JK, NEG ET,SEP S/R/CK, DUAL	DIL16C	+5V	70C	50MA	80MXMHZ	F022	TII	DM74S112J
SN74S112N	STL	FFJ	FF/JK, NEG ET,SEP S/R/CK, DUAL	DIL16P	+5V	70C	50MA	80MXMHZ	F022	TII	DM74S112N
SN74S113J	STL	FFJ	FF/JK,(-)ET,SEP S/CK,NO R,DUAL	DIL14C	+5V	70C	50MA	80MXMHZ	F023	TII	DM74S113J
SN74S113N	STL	FFJ	FF/JK,(-)ET,SEP S/CK,NO R,DUAL	DIL14P	+5V	70C	50MA	80MXMHZ	F023	TII	DM74S113N
SN74S114J	STL	FFJ	FF/JK, -ET,COM R/CK,SEP S,DUAL	DIL14C	+5V	70C	50MA	80MXMHZ	F024	TII	DM74S114J
SN74S114N	STL	FFJ	FF/JK, -ET,COM R/CK,SEP S,DUAL	DIL14P	+5V	70C	50MA	80MXMHZ	F024	TII	DM74S114N
SN74S124J	STL	VCO	VOLTAGE CONTROLLED O3C, DUAL	DIL16C	+5V	70C	150MA	60MXMHZ	V001	TII	-
SN74S124N	STL	VCO	VOLTAGE CONTROLLED OSC, DUAL	DIL16P	+5V	70C	150MA	60MXMHZ	V001	TII	-
SN74S132J	STL	SCH	NAND, 2IP,SCHMITT, QUAD	DIL14C	+5V	70C	68MA	13MXNS	N001	TII	74S132DC
SN74S132N	STL	SCH	NAND, 2IP,SCHMITT, QUAD	DIL14P	+5V	70C	68MA	13MXNS	N001	TII	74S132PC
SN74S133J	STL	NAN	NAND, 13IP	DIL16C	+5V	70C	10MA	6.5TPNS	N012	TII	DM74S133J
SN74S133N	STL	NAN	NAND, 13IP	DIL16P	+5V	70C	10MA	6.5TPNS	N012	TII	DM74S133N
SN74S134J	STL	NAN	NAND, 12IP, 3S OP	DIL16C	+5V	70C	25MA	21MXNS	N013	TII	DM74S134J
SN74S134N	STL	NAN	NAND, 12IP, 3S OP	DIL16P	+5V	70C	25MA	21MXNS	N013	TII	DM74S134N
SN74S135J	STL	XOR	EXCLUSIVE OR/NOR, QUAD	DIL16C	+5V	70C	99MA	15MXNS	X002	TII	DM74S135J
SN74S135N	STL	XON	EXCLUSIVE OR/NOR, QUAD	DIL16P	+5V	70C	99MA	15MXNS	X002	TII	DM74S135N
SN74S138J	STL	DCD	DECODER/DEMUX,3-8 LN, NO LATCH	DIL16C	+5V	70C	74MA	12MXNS	D006	TII	DM74S138J
SN74S138N	STL	DCD	DECODER/DEMUX,3-8 LN, NO LATCH	DIL16P	+5V	70C	74MA	12MXNS	D006	TII	DM74S138J
SN74S139J	STL	DCD	DECODER/DEMUX,2-4 LINE, DUAL	DIL16C	+5V	70C	90MA	12MXNS	D007	TII	DM74S139J
SN74S139N	STL	DCD	DECODER/DEMUX,2-4 LINE, DUAL	DIL16P	+5V	70C	90MA	12MXNS	D007	TII	DM74S139N
SN74S140J	STL	LND	LINE DRVR,4IP NAND,50 OHM,DUAL	DIL14C	+5V	70C	44MA	18MXNS	N008	TII	DM74S140J
SN74S140N	STL	LND	LINE DRVR,4IP NAND,50 OHM,DUAL	DIL14P	+5V	70C	44MA	18MXNS	N008	TII	DM74S140N
SN74S151J	STL	MUX	MUX/DATA SELECTOR, 8-TO-1 LINE	DIL16C	+5V	70C	70MA	18MXNS	M002	TII	DM74S151J
SN74S151N	STL	MUX	MUX/DATA SELECTOR, 8-TO-1 LINE	DIL16P	+5V	70C	70MA	18MXNS	M002	TII	DM74S151N
SN74S153J	STL	MUX	MUX/DATA SELECTOR,4-1 LIN,DUAL	DIL16C	+5V	70C	70MA	18MXNS	M004	TII	DM74S153J
SN74S153N	STL	MUX	MUX/DATA SELECTOR,4-1 LIN,DUAL	DIL16P	+5V	70C	70MA	18MXNS	M004	TII	DM74S153N
SN74S157J	STL	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	DIL16C	+5V	70C	81MA	15MXNS	M005	TII	DM74S157J
SN74S157N	STL	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	DIL16P	+5V	70C	81MA	15MXNS	M005	TII	DM74S157N
SN74S158J	STL	MUX	MUX/DATA SELECTOR,INV OP 74157	DIL16C	+5V	70C	81MA	12MXNS	M006	TII	DM74S158J
SN74S158N	STL	MUX	MUX/DATA SELECTOR,INV OP 74157	DIL16P	+5V	70C	81MA	12MXNS	M006	TII	DM74S158N
SN74S162J	STL	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	DIL16C	+5V	70C	160MA	40MXMHZ	C005	TII	N74S162F
SN74S162N	STL	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	DIL16P	+5V	70C	160MA	40MXMHZ	C005	TII	N74S162N
SN74S163J	STL	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	DIL16C	+5V	70C	160MA	40MXMHZ	C005	TII	-
SN74S163N	STL	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	DIL16P	+5V	70C	160MA	40MXMHZ	C005	TII	-
SN74S168J	STL	CTR	COUNTER,4 BT,DEC,UP/DOWN, SYNC	DIL16C	+5V	70C	160MA	40MXMHZ	C006	TII	-
SN74S168N	STL	CTR	COUNTER,4 BT,DEC,UP/DOWN, SYNC	DIL16P	+5V	70C	160MA	40MXMHZ	C006	TII	-
SN74S169J	STL	CTR	COUNTER,UP/DOWN,4 BIT BIN,SYNC	DIL16C	+5V	70C	160MA	40MXMHZ	C006	TII	-
SN74S169N	STL	CTR	COUNTER,UP/DOWN,4 BIT BIN,SYNC	DIL16P	+5V	70C	160MA	40MXMHZ	C006	TII	-
SN74S172J	STL	MEM	RAM, SIM READ/WRITE,8X2 BIT,3S	DIL24C	+5V	70C	170MA	20MXMHZ	R037	TII	N74S192F
SN74S172N	STL	MEM	RAM, SIM READ/WRITE,8X2 BIT,3S	DIL24P	+5V	70C	170MA	20MXMHZ	R037	TII	N74S172N
SN74S174J	STL	FFD	FF/D, EDGE TRIG,COMM R/CK, HEX	DIL16C	+5V	70C	144MA	75MXMHZ	F025	TII	DM74S174J
SN74S174N	STL	FFD	FF/D, EDGE TRIG,COMM R/CK, HEX	DIL16P	+5V	70C	144MA	75MXMHZ	F025	TII	DM74S174N
SN74S175J	STL	FFD	FF/D, ET,COM R/CK,COMP OP,QUAD	DIL16C	+5V	70C	96MA	75MXMHZ	F026	TII	DM74S175J
SN74S175N	STL	FFD	FF/D, ET,COM R/CK,COMP OP,QUAD	DIL16P	+5V	70C	96MA	75MXMHZ	F026	TII	DM74S175N
SN74S178B	STL	SRG	SHIFT REG, L/R,4 BIT,1 OP,PIPO	DIL14P	+5V	70C	-	-	R011	SIG	-
SN74S178F	STL	SRG	SHIFT REG, L/R,4 BIT,1 OP,PIPO	DIL14C	+5V	70C	-	-	R011	SIG	-
SN74S179B	STL	SRG	SHIFT REG,L/R,4 BT,CMP OP,PIPO	DIL16P	+5V	70C	-	-	R012	SIG	-
SN74S179F	STL	SRG	SHIFT REG,L/R,4 BT,CMP OP,PIPO	DIL16C	+5V	70C	-	-	R012	SIG	-
SN74S181J	STL	ARI	ALU/FUNCTION-GENERATOR,4 BIT	DIL24C	+5V	70C	220MA	30MXNS	Z010	TII	N74S181F
SN74S181N	STL	ARI	ALU/FUNCTION-GENERATOR,4 BIT	DIL24P	+5V	70C	220MA	30MXNS	Z010	TII	N74S181N
SN74S182J	STL	LAC	LOOK AHEAD CARRY GENERATOR	DIL16C	+5V	70C	109MA	10.5MXNS	Z018	TII	N74S182F
SN74S182N	STL	LAC	LOOK AHEAD CARRY GENERATOR,4BT	DIL16P	+5V	70C	109MA	10.5MXNS	Z018	TII	N74S182N
SN74S188J	STL	MEM	PROM,256=32X8 BT,OC OP,FUZABLE	DIL16C	+5V	70C	110MA	40MXNS	S007	TII	DM74S188J
SN74S188N	STL	MEM	PROM,256=32X8 BT,OC OP,FUZABLE	DIL16P	+5V	70C	110MA	40MXNS	S007	TII	DM74S188N
SN74S189J	STL	MEM	RAM, 64=16X4 BIT, 3S INV OP	DIL16C	+5V	70C	110MA	35MXNS	S001	TII	N74S189F
SN74S189N	STL	MEM	RAM, 64=16X4 BIT, 3S INV OP	DIL16P	+5V	70C	110MA	35MXNS	S001	TII	N74S189N
SN74S189AJ	STL	MEM	RAM, 64=16X4 BIT, 3S INV OP	DIL16C	+5V	70C	-	-	S001	TII	-
SN74S189AN	STL	MEM	RAM, 64=16X4 BIT, 3S INV OP	DIL16P	+5V	70C	-	-	S001	TII	-
SN74S194J	STL	SRG	SHIFT REGISTER,4 BIT,L/R, PIPO	DIL16C	+5V	70C	110MA	70MXMHZ	R013	TII	DM74S194J
SN74S194N	STL	SRG	SHIFT REGISTER,4 BIT,L/R, PIPO	DIL16P	+5V	70C	110MA	70MXMHZ	R013	TII	DM74S194N
SN74S195J	STL	SRG	SHIFT REGISTER,4 BIT, PIPO	DIL16C	+5V	70C	-	-	R014	TII	DM74S195J
SN74S195N	STL	SRG	SHIFT REGISTER,4 BIT, PIPO	DIL16P	+5V	70C	-	-	R014	TII	DM74S195N
SN74S196J	STL	CTR	COUNTER,DEC,BCD/BIQUIN,RIPPLE	DIL14C	+5V	70C	120MA	37MXNS	C010	TII	N74S196F
SN74S196N	STL	CTR	COUNTER,DEC,BCD/BIQUIN,RIPPLE	DIL14P	+5V	70C	120MA	37MXNS	C010	TII	N74S196N
SN74S197J	STL	CTR	COUNTER,HEXADEC,4 BIT, RIPPLE	DIL14C	+5V	70C	120MA	37MXNS	C010	TII	N74S197F
SN74S197N	STL	CTR	COUNTER,HEXADEC,4 BIT, RIPPLE	DIL14P	+5V	70C	120MA	37MXNS	C010	TII	N74S197N
SN74S200AJ	STL	MEM	RAM, 256=256X1 BT, 3S OP	DIL16C	+5V	70C	-	-	S009	TII	-
SN74S200AN	STL	MEM	RAM, 256=256X1 BT, 3S OP	DIL16P	+5V	70C	-	-	S009	TII	-
SN74S201J	STL	MEM	RAM,256=256X1 BT,FASTER 74S201	DIL16C	+5V	70C	-	-	S009	TII	-
SN74S201N	STL	MEM	RAM,256=256X1 BT,FASTER 74S201	DIL16P	+5V	70C	-	-	S009	TII	-
SN74S207J	STL	MEM	RAM,1K=256X4 BIT,3S, COMMON IO	DIL16C	+5V	70C	-	-	Z030	TII	-
SN74S207N	STL	MEM	RAM,1K=256X4 BIT,3S, COMMON IO	DIL16P	+5V	70C	-	-	Z030	TII	-
SN74S208J	STL	MEM	RAM,1K=256X4 BT,3S,SEPARATE IO	DIL20C	+5V	70C	-	-	Z031	TII	-
SN74S208N	STL	MEM	RAM,1K=256X4 BT,3S,SEPARATE IO	DIL20P	+5V	70C	-	-	Z031	TII	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
SN74S214J	STL	MEM	RAM,1K=1024X1 BT,3S,CHP SELECT	DIL16C	+5V	70C	-	-	S010	TII	-
SN74S214N	STL	MEM	RAM,1K=1024X1 BT,3S,CHP SELECT	DIL16P	+5V	70C	-	-	S010	TII	-
SN74S225J	STL	MEM	FIFO MEMORY, 16X5 BT,3S,ASYNCH	DIL20C	+5V	70C	-	-	S011	TII	-
SN74S225N	STL	MEM	FIFO MEMORY, 16X5 BT,3S,ASYNCH	DIL20P	+5V	70C	-	-	S011	TII	-
SN74S226J	STL	TRX	TRANSCEIVER,BUS,4 BT,LATCH, 3S	DIL16C	+5V	70C	-	-	T005	TII	-
SN74S226N	STL	TRX	TRANSCEIVER,BUS,4 BT,LATCH, 3S	DIL16P	+5V	70C	-	-	T005	TII	-
SN74S240J	STL	LND	LINE DRIVER,3S,INV,LO EN,OCTAL	DIL20C	+5V	70C	150MA	15MXNS	B004	TII	DM74S240J
SN74S240N	STL	LND	LINE DRIVER,3S,INV,LO EN,OCTAL	DIL20P	+5V	70C	150MA	15MXNS	B004	TII	DM74S240N
SN74S241J	STL	LND	LINE DRIVER,3S,DIR,LO EN,OCTAL	DIL20C	+5V	70C	180MA	15MXNS	B005	TII	DM74S241J
SN74S241N	STL	LND	LINE DRIVER,3S,DIR,LO EN,OCTAL	DIL20P	+5V	70C	180MA	15MXNS	B005	TII	DM74S241J
SN74S241W	STL	LND	LINE DRIVER,3S,DIR,LO EN,OCTAL	FLP20	+5V	70C	180MA	15MXNS	B005	TII	74S241FC
SN74S244J	STL	LND	LINE DRIVER,3S OP,LO EN, OCTAL	DIL20C	+5V	70C	-	-	B006	TII	DM74S244J
SN74S244N	STL	LND	LINE DRIVER,3S OP,LO EN, OCTAL	DIL20P	+5V	70C	-	-	B006	TII	DM74S244N
SN74S251J	STL	SEL	MUX/DATA SELECTOR,8-1 LINE, 3S	DIL16C	+5V	70C	85MA	19.5MXNS	M007	TII	DM74S251J
SN74S251N	STL	SEL	MUX/DATA SELECTOR,8-1 LINE, 3S	DIL16P	+5V	70C	85MA	19.5MXNS	M007	TII	DM74S251N
SN74S257J	STL	SEL	MUX/DATA SELECTR,2-1LN,3S,QUAD	DIL16C	+5V	70C	99MA	21MXNS	M009	TII	DM74S257J
SN74S257N	STL	SEL	MUX/DATA SELECTR,2-1LN,3S,QUAD	DIL16P	+5V	70C	99MA	21MXNS	M009	TII	DM74S257N
SN74S258J	STL	SEL	MUX/DATA SELECTR,INV-OP-74257	DIL16C	+5V	70C	87MA	12MXNS	M010	TII	DM74S258J
SN74S258N	STL	SEL	MUX/DATA SELECTR,INV-OP-74257	DIL16P	+5V	70C	87MA	12MXNS	M010	TII	DM74S258N
SN74S260J	STL	NOR	NOR, 5 INPUT, DUAL	DIL14C	+5V	70C	45MA	6MXNS	Q006	TII	74S260DC
SN74S260N	STL	NOR	NOR, 5 INPUT, DUAL	DIL14P	+5V	70C	45MA	6MXNS	Q006	TII	74S260PC
SN74S270J	STL	MEM	ROM, 2K=512X4 BIT, OC OP	DIL16C	+5V	70C	130MA	55MXNS	S012	TII	-
SN74S270N	STL	MEM	ROM, 2K=512X4 BIT, OC OP	DIL16P	+5V	70C	130MA	55MXNS	S012	TII	-
SN74S271J	STL	MEM	ROM, 2K=256X8 BIT, OC OP	DIL20C	+5V	70C	130MA	55MXNS	S013	TII	-
SN74S271N	STL	MEM	ROM, 2K=256X8 BIT, OC OP	DIL20P	+5V	70C	130MA	55MXNS	S013	TII	-
SN74S274J	STL	MLT	MULTIPLIER,4X4 BIT BINARY,3S	DIL20C	+5V	70C	94MA	30MXMHZ	Z033	TII	-
SN74S274N	STL	MLT	MULTIPLIER,4X4 BIT BINARY,3S	DIL20P	+5V	70C	94MA	30MXMHZ	Z033	TII	-
SN74S275J	STL	XXX	WALLACE TREE,7 BIT SLICE,3S OP	DIL16C	+5V	70C	94MA	30MXMHZ	Z034	TII	-
SN74S275N	STL	XXX	WALLACE TREE,7 BIT SLICE,3S OP	DIL16P	+5V	70C	94MA	30MXMHZ	Z034	TII	-
SN74S280J	STL	PAR	PARITY GENERATOR CHECKER,9 BIT	DIL14C	+5V	70C	105MA	21MXNS	Z012	TII	DM74S280J
SN74S280N	STL	PAR	PARITY GENERATOR/CHECKER,9 BIT	DIL14P	+5V	70C	94MA	21MXNS	Z012	TII	DM74S280N
SN74S281J	STL	ACC	ACCUMULATOR,4 BT,PARALL,BINARY	DIL24C	+5V	70C	230MA	55MXNS	Z035	TII	-
SN74S281N	STL	ACC	ACCUMULATOR,4 BT,PARALL,BINARY	DIL24P	+5V	70C	230MA	55MXNS	Z035	TII	-
SN74S283J	STL	ADD	ADDER,FULL,4 BT,BIN,FAST CARRY	DIL16C	+5V	70C	110MA	24MXNS	Z013	TII	74S283DC
SN74S283N	STL	ADD	ADDER,FULL,4 BT,BIN,FAST CARRY	DIL16P	+5V	70C	110MA	24MXNS	Z013	TII	74S283PC
SN74S287J	STL	MEM	PROM,1K=256X4 BIT,3S,FUZ LINK	DIL16C	+5V	70C	130MA	35TPNS	S006	TII	DM74S287J
SN74S287N	STL	MEM	PROM,1K=256X4 BIT,3S,FUZ LINK	DIL16P	+5V	70C	130MA	35TPNS	S006	TII	DM74S287N
SN74S288J	STL	MEM	PROM,256=32X8 BIT, 3S OP	DIL16C	+5V	75C	110MA	40MXNS	S007	TII	DM74S288J
SN74S288N	STL	MEM	PROM,256=32X8 BIT, 3S OP	DIL16P	+5V	75C	110MA	40MXNS	S007	TII	DM74S288N
SN74S289J	STL	MEM	RAM, 64=16X4 BIT,OC INV OP	DIL16C	+5V	70C	105MA	35MXNS	S001	TII	74S289DC
SN74S289N	STL	MEM	RAM, 64=16X4 BIT,OC INV OP	DIL16P	+5V	70C	105MA	35MXNS	S001	TII	74S289PC
SN74S299J	STL	SRG	SHIFT REG,8 BIT,L/R SH,3S,PIPO	DIL20C	+5V	70C	225MA	50MXMHZ	R020	TII	74S299DC
SN74S299N	STL	SRG	SHIFT REG,8 BIT,L/R SH,3S,PIPO	DIL20P	+5V	70C	225MA	50MXMHZ	R020	TII	74S299PC
SN74S300AJ	STL	MEM	RAM,256=256X1 BIT, OC OP	DIL16C	+5V	70C	-	-	S009	TII	-
SN74S300AN	STL	MEM	RAM,256=256X1 BIT, OC OP	DIL16P	+5V	70C	-	-	S009	TII	-
SN74S301J	STL	MEM	RAM,256X1 BIT,OC OP FSTR 74300	DIL16C	+5V	70C	-	-	S009	TII	-
SN74S301N	STL	MEM	RAM,256X1 BIT,OC OP FSTR 74300	DIL16P	+5V	70C	-	-	S009	TII	-
SN74S302AJ	STL	MEM	RAM,256=256X1 BT,OC,POWER DOWN	DIL16C	+5V	70C	-	-	S009	TII	-
SN74S302AN	STL	MEM	RAM,256=256X1 BT,OC,POWER DOWN	DIL16P	+5V	70C	-	-	S009	TII	-
SN74S302J	STL	MEM	RAM,256=256X1 BT,OC,POWER DOWN	DIL16C	+5V	70C	-	-	S009	TII	-
SN74S302N	STL	MEM	RAM,256=256X1 BT,OC,POWER DOWN	DIL16P	+5V	70C	-	-	S009	TII	-
SN74S314J	STL	MEM	RAM,1K=1024X1 BT,OC,CHP SELECT	DIL16C	+5V	70C	-	-	S010	TII	-
SN74S314N	STL	MEM	RAM,1K=1024X1 BT,OC,CHP SELECT	DIL16P	+5V	70C	-	-	S010	TII	-
SN74S340J	STL	LND	LINE DRIVER,INV,3S,LO EN,OCTAL	DIL20C	+5V	70C	-	-	B004	TII	-
SN74S340N	STL	LND	LINE DRIVER,INV,3S,LO EN,OCTAL	DIL20P	+5V	70C	-	-	B004	TII	-
SN74S341J	STL	LND	LINE DRIVER,3S,DIR,HI EN,OCTAL	DIL20C	+5V	70C	-	-	B005	TII	-
SN74S341N	STL	LND	LINE DRIVER,3S,DIR,HI EN,OCTAL	DIL20P	+5V	70C	-	-	B005	TII	-
SN74S344J	STL	LND	LINE DRIVER,3S,INV,LO EN,OCTAL	DIL20C	+5V	70C	-	-	B006	TII	-
SN74S344N	STL	LND	LINE DRIVER,3S,INV,LO EN,OCTAL	DIL20P	+5V	70C	-	-	B006	TII	-
SN74S370J	STL	MEM	ROM, 2K=512X4 BIT, 3S OP	DIL16C	+5V	70C	130MA	55MXNS	S012	TII	-
SN74S370N	STL	MEM	ROM, 2K=512X4 BIT, 3S OP	DIL16P	+5V	70C	130MA	55MXNS	S012	TII	-
SN74S371J	STL	MEM	ROM, 2K=256X8 BIT, 3S OP	DIL20C	+5V	70C	130MA	55MXNS	S013	TII	-
SN74S371N	STL	MEM	ROM, 2K=256X8 BIT, 3S OP	DIL20P	+5V	70C	130MA	55MXNS	S013	TII	-
SN74S373J	STL	LCH	LATCH, LO VOH 74363, OCTAL	DIL20C	+5V	70C	160MA	75MXMHZ	L006	TII	DM74S373J
SN74S373N	STL	LCH	LATCH, LO VOH 74363, OCTAL	DIL20P	+5V	70C	160MA	75MXMHZ	L006	TII	DM74S373N
SN74S374J	STL	FFD	FF/D LO VOH 74364, OCTAL	DIL20C	+5V	70C	140MA	75MXMHZ	F027	TII	DM74S374J
SN74S374N	STL	FFD	FF/D, LO VOH 74364, OCTAL	DIL20P	+5V	70C	140MA	75MXMHZ	F027	TII	DM74S374N
SN74S381N	STL	ALU	ALU, FUNCTION GEN,4 BIT, LAHCG	DIL20P	+5V	70C	160MA	30MXNS	Z038	TII	-
SN74S387J	STL	MEM	PROM,1K=256X4 BIT,OC OP	DIL16C	+5V	70C	130MA	50MXNS	S006	TII	DM74S387J
SN74S387N	STL	MEM	PROM,1K=256X4 BIT,OC OP	DIL16P	+5V	70C	130MA	50MXNS	S006	TII	DM74S387J
SN74S412J	STL	LCH	LATCH, 8 BT,BUFFR,MULTIMODE,3S	DIL24C	+5V	70C	130MA	40MXNS	L017	TII	-
SN74S412N	STL	LCH	LATCH, 8 BT,BUFFR,MULTIMODE,3S	DIL24P	+5V	70C	130MA	40MXNS	L017	TII	-
SN74S428N	STL	XXX	CONTROLLER,BUS,DRIVER FOR 8080	DIL28P	+5V	70C	190MA	60MXNS	B016	TII	-
SN74S438N	STL	XXX	CONTROLLER,BUS,DRIVER FOR 8080	DIL28P	+5V	70C	190MA	60MXNS	B013	TII	-
SN74S470J	STL	MEM	PROM,2K=256X8 BIT,OC,FUZE LINK	DIL20C	+5V	70C	155MA	70MXNS	S013	TII	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
SN74S470N	STL	MEM	PROM,2K=256X8 BIT,OC,FUZE LINK	DIL20P	+5V	70C	155MA	70MXNS	S013	TII	-
SN74S471J	STL	MEM	PROM,2K=256X8 BIT,OC,FUZE LINK	DIL20C	+5V	70C	155MA	70MXNS	S013	TII	-
SN74S471N	STL	MEM	PROM,2K=256X8 BIT,OC,FUZE LINK	DIL20P	+5V	70C	155MA	70MXNS	S013	TII	-
SN74S472J	STL	MEM	PROM,4K=512X8 BT,FUZ LINK, 3S	DIL20C	+5V	70C	155MA	75MXNS	S014	TII	DM74S472J
SN74S472N	STL	MEM	PROM,4K=512X8 BT,FUZ LINK, 3S	DIL20P	+5V	70C	155MA	75MXNS	S014	TII	DM74S472N
SN74S473J	STL	MEM	PROM,4K=512X8 BT,FUZ LINK, OC	DIL20C	+5V	70C	155MA	75MXNS	S014	TII	DM74S473J
SN74S473N	STL	MEM	PROM,4K=512X8 BT,FUZ LINK, OC	DIL20P	+5V	70C	155MA	75MXNS	S014	TII	DM74S473N
SN74S474J	STL	MEM	PROM,4K=512X8 BIT,3S,FUZE LINK	DIL24C	+5V	70C	155MA	75MXNS	S015	TII	DM74S474J
SN74S474N	STL	MEM	PROM,4K=512X8 BIT,3S,FUZE LINK	DIL24P	+5V	70C	155MA	75MXNS	S015	TII	DM74S474N
SN74S475J	STL	MEM	PROM,4K=512X8 BIT,OC,FUZE LINK	DIL24C	+5V	70C	155MA	75MXNS	S015	TII	DM74S475J
SN74S475N	STL	MEM	PROM,4K=512X8 BIT,OC,FUZE LINK	DIL24P	+5V	70C	155MA	75MXNS	S015	TII	DM74S475N
SN74S481J	STL	MIC	ALU,MICROPROCESSOR,4 BIT SLICE	XTR48C	+5V	70C	-	-	W001	TII	-
SN74S481N	STL	MIC	ALU,MICROPROCESSOR,4 BIT SLICE	XTR48P	+5V	70C	-	-	W001	TII	-
SN74S482J	STL	MIC	CONTROLLER,4 BT SLICE,EXPNDBLE	DIL20C	+5V	70C	-	-	W002	TII	-
SN74S482N	STL	MIC	CONTROLLER,4 BT SLICE,EXPNDBLE	DIL20P	+5V	70C	-	-	W002	TII	-
SN74S484J	STL	CVR	CONVERTER,BCD-BINARY,3S	DIL20C	+5V	70C	-	-	Z999	TII	-
SN74S484N	STL	CVR	CONVERTER,BCD-BINARY,3S	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74S485J	STL	CVR	CONVERTER,BINARY-BCD, 3S	DIL20C	+5V	70C	-	-	Z999	TII	-
SN74S485N	STL	CVR	CONVERTER,BINARY-BCD, 3S	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74S540J	STL	LND	LINE DRIVER,DIFFT PINOUT 74240	DIL20C	+5V	70C	180MA	-	B010	TII	-
SN74S540N	STL	LND	LINE DRIVER,DIFFT PINOUT 74240	DIL20P	+5V	70C	180MA	-	B010	TII	-
SN74S541J	STL	LND	LINE DRIVER,DIFFT PINOUT 74241	DIL20C	+5V	70C	180MA	15MXNS	B011	TII	-
SN74S541N	STL	LND	LINE DRIVER,DIFFT PINOUT 74241	DIL20P	+5V	70C	180MA	15MXNS	B011	TII	-
SN74S544J	STL	TRX	TRNSCVR,LINE,BUFFER,3S, OCTAL	DIL20C	+5V	70C	-	-	Z999	TII	-
SN74S544N	STL	TRX	TRNSCVR,LINE,BUFFER,3S, OCTAL	DIL20P	+5V	70C	-	-	Z999	TII	-
SN74S740J	STL	LND	LINE DRIVER,BUFFR,INV,3S,OCTAL	DIL40C	+5V	70C	-	-	Z999	TII	-
SN74S740N	STL	LND	LINE DRIVER,BUFFR,INV,3S,OCTAL	DIL40P	+5V	70C	-	-	Z999	TII	-
SN74S741J	STL	LND	LINE DRIVER,BUFFR,DIR,3S,OCTAL	DIL40C	+5V	70C	-	-	Z999	TII	-
SN74S741N	STL	LND	LINE DRIVER,BUFFR,DIR,3S,OCTAL	DIL40P	+5V	70C	-	-	Z999	TII	-
SN74S744J	STL	LND	LINE DRVR,3S,LO EN,BUFFR,OCTAL	DIL40C	+5V	70C	-	-	Z999	TII	-
SN74S744N	STL	LND	LINE DRVR,3S,LO EN,BUFFR,OCTAL	DIL40P	+5V	70C	-	-	Z999	TII	-
SN84L00 SER	LTL	-	85C VERSIONS OF 70C SN74L00 SR	-	-	85C	-	-	-	TII	-
SN84L00J SER	LTL	-	85C VERSIONS OF SN74L00J SER	DIL--C	-	85C	-	-	-	TII	-
SN84L00N SER	LTL	-	85C VERSIONS OF SN74L00N SER	DIL--P	-	85C	-	-	-	TII	-
SN4900N SER	TTL	-	TEXAS VERSN OF TL4900N SERIES	DIL--P	+5V	70C	-	-	-	TII	TL4900N SER
SN5400 SERIES	TTL	-	ALTERNATIVE SOURCE SN5400 SER.	-	-	125	-	-	-	AMD	-
SN5400 SERIES	TTL	-	ALTERNATIVE SOURCE SN5400 SER.	-	-	125	-	-	-	MOT	-
SN5400 SERIES	TTL	-	ALTERNATE SOURCE SN5400 SERIES	-	-	125	-	-	-	TRA	-
SN5400 SERIES	TTL	-	54 SERIES DETAILED SEPARATELY	-	-	125	-	-	-	TII	-
SN5400J	TTL	NAN	NAND, 2IP, QUAD	DIL14C	+5V	125	22MA	22MXNS	N001	TII	DM5400J
SN5400J SER	TTL	-	CER DIL TTL DETAILED SEPARATLY	DIL--C	-	125	-	-	-	TII	-
SN5400N SER	TTL	-	PLASTIC DIL TTL DETAILED SEP.	DIL--P	-	125	-	-	-	TII	-
SN5400W SER	TTL	-	FLP TTL SERIES DETAILED SEPTLY	FLP---	-	125	-	-	-	TII	-
SN5400W	TTL	NAN	NAND, 2IP, QUAD	FLP14	+5V	125	22MA	22MXNS	N002	TII	DM5400W
SN5401AJ	TTL	NAN	NAND, 2IP, OC OP, 15V, QUAD	DIL14C	+5V	125	22MA	45MXNS	N003	TII	
SN5401AW	TTL	NAN	NAND, 2IP, OC OP, 15V, QUAD	FLP14	+5V	125	22MA	45MXNS	N002	TII	
SN5401J	TTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	125	22MA	45MXNS	N003	TII	
SN5401W	TTL	NAN	NAND, 2IP, OC OP, QUAD	FLP14	+5V	125	22MA	45MXNS	N002	TII	
SN5402J	TTL	NOR	NOR, 2IP, QUAD	DIL14C	+5V	125	27MA	15MXNS	Q001	TII	DM5402J
SN5402W	TTL	NOR	NOR, 2IP, QUAD	FLP14	+5V	125	27MA	15MXNS	Q002	TII	
SN5403AJ	TTL	NAN	NAND, 2IP, 15V OC OP, QUAD	DIL14C	+5V	125	22MA	45MXNS	N001	TII	
SN5403J	TTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14C	+5V	125	22MA	45MXNS	N001	TII	
SN5404J	TTL	INV	INVERTER, HEX	DIL14C	+5V	125	33MA	22MXNS	I001	TII	DM5404J
SN5404W	TTL	INV	INVERTER, HEX	FLP14	+5V	125	33MA	22MXNS	I002	TII	DM5404W
SN5405J	TTL	INV	INVERTER, OC OP, HEX	DIL14C	+5V	125	33MA	55MXNS	I001	TII	DM5405J
SN5405W	TTL	INV	INVERTER, OC OP, HEX	FLP14	+5V	125	33MA	55MXNS	I002	TII	DM5405W
SN5405AJ	TTL	INV	INVERTER, OC 15V OP, HEX	DIL14C	+5V	125	33MA	55MXNS	I001	TII	-
SN5405AW	TTL	INV	INVERTER, OC 15V OP, HEX	FLP14	+5V	125	33MA	55MXNS	I002	TII	-
SN5406J	TTL	INV	INVERTER/DRIVER, OC 30V, HEX	DIL14C	+5V	125	51MA	23MXNS	I001	TII	DM5406J
SN5406W	TTL	INV	INVERTER/DRIVER, OC 30V, HEX	FLP14	+5V	125	51MA	23MXNS	I001	TII	DM5406W
SN5407J	TTL	BUF	BUFFER, NON INV,OC 30V OP, HEX	DIL14C	+5V	125	41MA	30MXNS	B001	TII	DM5407J
SN5407W	TTL	BUF	BUFFER, NON INV,OC 30V OP, HEX	FLP14	+5V	125	41MA	30MXNS	B001	TII	DM5407W
SN5408J	TTL	AND	AND, 2IP, QUAD	DIL14C	+5V	125	33MA	27MXNS	A001	TII	DM5408J
SN5408W	TTL	AND	AND, 2IP, QUAD	FLP14	+5V	125	33MA	27MXNS	A001	TII	DM5408W
SN5409J	TTL	AND	AND, 2IP, OC OP, QUAD,	DIL14C	+5V	125	33MA	32MXNS	A001	TII	DM5409J
SN5409W	TTL	AND	AND, 2IP, OC OP, QUAD	FLP14	+5V	125	33MA	32MXNS	A001	TII	DM5409W
SN5409AJ	TTL	AND	AND, 2IP, OC 15V OP, QUAD	DIL14C	+5V	125	33MA	32MXNS	A001	TII	DM5409AJ
SN5409AW	TTL	AND	AND, 2IP, OC 15V OP, QUAD	FLP14C	+5V	125	33MA	32MXNS	A001	TII	DM5409AW
SN5410J	TTL	NAN	NAND, 3IP, TRIPLE	DIL14C	+5V	125	16MA	22MXNS	N004	TII	DM5410J
SN5410W	TTL	NAN	NAND, 3IP, TRIPLE	FLP14	+5V	125	16MA	22MXNS	N005	TII	DM5410W
SN5412AJ	TTL	NAN	NAND, 3IP, OC 15V OP, TRIPLE	DIL14C	+5V	125	17MA	45MXNS	N004	TII	5412ADM
SN5412AW	TTL	NAN	NAND, 3IP, OC 15V OP, TRIPLE	FLP14	+5V	125	17MA	45MXNS	N004	TII	5412AFM
SN5412J	TTL	NAN	NAND, 3IP, OC OP, TRIPLE	DIL14C	+5V	125	17MA	45MXNS	N004	TII	5412DM
SN5412W	TTL	NAN	NAND, 3IP, OC OP, TRIPLE	FLP14	+5V	125	17MA	45MXNS	N004	TII	
SN5413J	TTL	NAN	NAND, 4IP, SCHMITT, DUAL	DIL14C	+5V	125	32MA	27MXNS	N007	TII	DM5413J

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
SN5413W	TTL	NAN	NAND, 4IP, SCHMITT, DUAL	FLP14	+5V	125	32MA	27MXNS	N007	TII	DM5413W
SN5414J	TTL	SCH	INVERTER, SCHMITT, HEX	DIL14C	+5V	125	60MA	22MXNS	I004	TII	DM5414J
SN5414W	TTL	SCH	INVERTER, SCHMITT, HEX	FLP14	+5V	125	60MA	22MXNS	I004	TII	DM5414W
SN5416J	TTL	INV	INVERTER/BUFFER,OC 15V OP, HEX	DIL14C	+5V	125	51MA	23MXNS	I001	TII	DM5416J
SN5416W	TTL	INV	INVERTER/BUFFER,OC 15V OP, HEX	FLP14	+5V	125	51MA	23MXNS	I001	TII	DM5416W
SN5417J	TTL	BUF	BUFFER, NON INV,DC 15V OP HEX	DIL14C	+5V	125	41MA	30MXNS	B001	TII	DM5417J
SN5420J	TTL	NAN	NAND, 4IP, DUAL	DIL14C	+5V	125	11MA	22MXNS	N008	TII	DM5420J
SN5420W	TTL	NAN	NAND, 4IP, DUAL	FLP14	+5V	125	11MA	22MXNS	N009	TII	DM5420W
SN5422AJ	TTL	NAN	NAND, 4IP, OC OP, DUAL	DIL14C	+5V	125	11MA	45MXNS	N008	TII	5422ADM
SN5422AW	TTL	NAN	NAND, 4IP, OC OP, DUAL	FLP14	+5V	125	11MA	45MXNS	N008	TII	5422AFM
SN5422J	TTL	NAN	NAND, 4IP, OC OP, DUAL	DIL14C	+5V	125	11MA	45MXNS	N008	TII	5422DM
SN5422W	TTL	NAN	NAND, 4IP, OC OP, DUAL	FLP14	+5V	125	11MA	45MXNS	N008	TII	5422FM
SN5423J	TTL	NOR	NOR, 4IP,EXPANDBLE,STROBE,DUAL	DIL16C	+5V	125	19MA	22MXNS	Q003	TII	DM5423J
SN5423W	TTL	NOR	NOR, 4IP,EXPANDBLE,STROBE,DUAL	FLP16	+5V	125	19MA	22MXNS	Q003	TII	DM5423W
SN5425J	TTL	NOR	NOR, 4IP, STROBE, DUAL	DIL16C	+5V	125	19MA	22MXNS	Q004	TII	DM5425J
SN5425W	TTL	NOR	NOR, 4IP, STROBE, DUAL	FLP16	+5V	125	19MA	22MXNS	Q004	TII	DM5425W
SN5426J	TTL	NAN	NAND, 2IP, OC 15V OP, QUAD	DIL14C	+5V	125	22MA	24MXNS	N001	TII	DM5426J
SN5427J	TTL	NOR	NOR, 3IP, TRIPLE	DIL14C	+5V	125	26MA	15MXNS	Q005	TII	DM5427J
SN5427W	TTL	NOR	NOR, 3IP, TRIPLE	FLP14	+5V	125	26MA	15MXNS	Q005	TII	DM5427W
SN5428J	TTL	NOR	NOR, BUFFER, 2IP, QUAD	DIL14C	+5V	125	15MA	18MXNS	Q001	TII	ZN5428J
SN5428W	TTL	NOR	NOR, BUFFER, 2IP, QUAD	FLP14	+5V	125	15MA	18MXNS	Q001	TII	-
SN5430J	TTL	NAN	NAND, 8IP	DIL14C	+5V	125	6MA	22MXNS	N010	TII	DM5430J
SN5430W	TTL	NAN	NAND, 8IP	FLP14	+5V	125	6MA	22MXNS	N011	TII	DM7430W
SN5432J	TTL	ORG	OR, 2IP, QUAD	DIL14C	+5V	125	38MA	22MXNS	O001	TII	DM5432J
SN5432W	TTL	ORG	OR, 2IP, QUAD	FLP14	+5V	125	38MA	22MXNS	O001	TII	DM5432W
SN5433AJ	TTL	NOR	NOR, 2IP, OC 15V OP, QUAD	DIL14C	+5V	125	57MA	24MXNS	Q001	TII	-
SN5433AW	TTL	NOR	NOR, 2IP, OC 15V OP, QUAD	FLP14	+5V	125	57MA	24MXNS	Q001	TII	-
SN5433J	TTL	NOR	NOR, 2IP, OC OP, QUAD	DIL14C	+5V	125	57MA	24MXNS	Q001	TII	-
SN5433W	TTL	NOR	NOR, 2IP, OC OP, QUAD	FLP14	+5V	125	57MA	24MXNS	Q001	TII	-
SN5437J	TTL	NAN	NAND, BUFFER, 2IP, QUAD	DIL14C	+5V	125	54MA	22MXNS	N001	TII	DM5437J
SN5437W	TTL	NAN	NAND, BUFFER, 2IP, QUAD	FLP14	+5V	125	54MA	22MXNS	N001	TII	DM5437W
SN5438AJ	TTL	NAN	NAND,BUFFER,2IP,OC 15V OP,QUAD	DIL14C	+5V	125	54MA	22MXNS	N001	TII	DM5438AJ
SN5438AW	TTL	NAN	NAND,BUFFER,2IP,OC 15V OP,QUAD	FLP14	+5V	125	54MA	22MXNS	N001	TII	DM5438AW
SN5438J	TTL	NAN	NAND, BUFFER, 2IP, OC OP, QUAD	DIL14C	+5V	125	54MA	22MXNS	N001	TII	DM5438J
SN5438W	TTL	NAN	NAND, BUFFER, 2IP, OC OP, QUAD	FLP14	+5V	125	54MA	22MXNS	N001	TII	DM5438W
SN5440J	TTL	NAN	NAND, BUFFER, 4IP, DUAL	DIL14C	+5V	125	27MA	22MXNS	N008	TII	DM5440J
SN5440W	TTL	NAN	NAND, BUFFER, 4IP, DUAL	FLP14	+5V	125	27MA	22MXNS	N009	TII	DM5440W
SN5442AJ	TTL	DCD	DECODER, BCD-DECIMAL,4-10 LINE	DIL16C	+5V	125	56MA	30MXNS	D001	TII	5442ADM
SN5442AW	TTL	DCD	DECODER, BCD-DECIMAL,4-10 LINE	FLP16	+5V	125	56MA	30MXNS	D001	TII	5442AFM
SN5443AJ	TTL	DCD	DECODER, EXC.3-DECIMAL,4-10 LN	DIL16C	+5V	125	41MA	30MXNS	D001	TII	5443ADM
SN5443AW	TTL	DCD	DECODER, EXC.3-DECIMAL,4-10 LN	FLP16	+5V	125	41MA	30MXNS	D001	TII	5443AFM
SN5444AJ	TTL	DCD	DECODER,EXC.3 GRAY-DEC,4-10 LN	DIL16C	+5V	125	41MA	30MXNS	D001	TII	5444ADM
SN5444AW	TTL	DCD	DECODER,EXC.3 GRAY-DEC,4-10 LN	FLP16	+5V	125	41MA	30MXNS	D001	SIG	5444AFM
SN5445J	TTL	DSP	DECODER,BCD-DEC,OC 30V,4-10 LN	DIL16C	+5V	125	62MA	50MXNS	D001	SIG	DM5445J
SN5445W	TTL	DSP	DECODER,BCD-DEC,OC 30V,4-10 LN	FLP16	+5V	125	62MA	50MXNS	D001	SIG	DM5445W
SN5446AJ	TTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 30V	DIL16C	+5V	125	85MA	100MXNS	D011	TII	DM5446AJ
SN5446AW	TTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 30V	FLP16	+5V	125	85MA	100MXNS	D011	TII	DM5446AW
SN5447AJ	TTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 15V	DIL16C	+5V	125	85MA	100MXNS	D011	TII	DM5447AJ
SN5447AW	TTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 15V	FLP16	+5V	125	85MA	100MXNS	D011	TII	DM5447AW
SN5448J	TTL	DSP	DECODER,BCD-7SGT,INTERN PULLUP	DIL16C	+5V	125	76MA	100MXNS	D003	TII	DM5448J
SN5448W	TTL	DSP	DECODER,BCD-7SGT,INTERN PULLUP	FLP16	+5V	125	76MA	100MXNS	D003		DM5448W
SN5449W	TTL	DSP	DECODER,BCD-7SGT,OC, ACT HI	FLP16	+5V	125	47MA	100MXNS	D004	TII	5449FM
SN5450J	TTL	AOI	AOI, 2IP(1EXPDBLE) 2WIDE, DUAL	DIL14C	+5V	125	14MA	22MXNS	Y001	TII	DM5450J
SN5450W	TTL	AOI	AOI, 2IP,1EXPDBLE) 2WIDE, DUAL	FLP14	+5V	125	14MA	22MXNS	Y002	TII	DM5450W
SN5451J	TTL	AOI	AOI, 2IP, 2WIDE, DUAL	DIL14C	+5V	125	14MA	15MXNS	Y003	TII	DM5451J
SN5451W	TTL	AOI	AOI, 2IP, 2WIDE, DUAL	FLP14	+5V	125	14MA	15MXNS	Y005	TII	DM5451W
SN5453J	TTL	AOI	AND/OR INVERT,2-2-2-3IP,EXPDBL	DIL14C	+5V	125	9.5MA	22MXNS	Y008	TII	DM5453J
SN5453W	TTL	AOI	AND/OR INVERT,2-2-2-3IP,EXPDBL	FLP14	+5V	125	9.5MA	22MXNS	Y010	TII	DM5453W
SN5454J	TTL	AOI	AND/OR INVERT,2-2-2-3IP	DIL14C	+5V	125	9.5MA	22MXNS	Y012	TII	-
SN5454W	TTL	AOI	AND/OR INVERT,2-2-2-3IP	FLP14	+5V	125	9.5MA	22MXNS	Y016	TII	-
SN5460J	TTL	EXP	EXPANDER, 4IP,OC,FOR AOI, DUAL	DIL14C	+5V	125	4MA	30MXNS	E001	TII	DM5460J
SN5465J	TTL	AOI	AOI, 4-2-3-2IP,OC OP,EXPANDBLE	DIL14C	+5V	125	-	-	Y020	TII	54S65DM
SN5465W	TTL	AOI	AOI, 4-2-3-2IP,OC OP,EXPANDBLE	FLP14	+5V	125	-	-	Y020	TII	54S65FM
SN5470J	TTL	FFJ	FF/JK,+EDG TRIG,AND GTD,S/R/CK	DIL14C	+5V	125	26MA	20MXMHZ	F001	TII	DM5470J
SN5470W	TTL	FFJ	FF/JK,+EDG TRIG,AND GTD,S/R/CK	FLP14	+5V	125	26MA	20MXMHZ	F002	TII	DM5470W
SN5472J	TTL	FFJ	FF/JK,MASTER SLVE,A GTD,S/R/CK	DIL14C	+5V	125	20MA	15MXMHZ	F005	TII	DM5472J
SN5472W	TTL	FFJ	FF/JK,MASTER SLVE,A GTD,S/R/CK	FLP14	+5V	125	20MA	15MXMHZ	F006	TII	DM5472W
SN5473J	TTL	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	DIL14C	+5V	125	40MA	15MXMHZ	F007	TII	DM5473J
SN5473W	TTL	FFJ	FF/JK,M-S,SEP CK AND R DUAL	FLP14	+5V	125	40MA	15MXMHZ	F007	TII	DM5473W
SN5474J	TTL	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	DIL14C	+5V	125	30MA	10MXMHZ	F008	TII	DM5474J
SN5474W	TTL	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	FLP14	+5V	125	30MA	10MXMHZ	F009	TII	DM5474W
SN5475J	TTL	LCH	LATCH,FF/D,2BT,TRANSP,2OP,DUAL	DIL16C	+5V	125	46MA	40MXNS	L001	TII	DM7475J
SN5475W	TTL	LCH	LATCH,FF/D,2BT,TRANSP,2OP,DUAL	FLP16	+5V	125	46MA	40MXNS	L001	TII	DM5475W
SN5476J	TTL	FFJ	FF/JK, M-S, SEP S/R/CK, DUAL	DIL16C	+5V	125	40MA	15MXMHZ	F010	TII	DM5476J
SN5476W	TTL	FFJ	FF/JK, M-S, SEP S/R/CK, DUAL	FLP16	+5V	125	40MA	15MXMHZ	F010	TII	DM5476W

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
SN5477W	TTL	LCH	LATCH,FF/D,2BT,TRANSP,1OP,DUAL	FLP14	+5V	125	46MA	40MXNS	L002	TII	-
SN5480J	TTL	ADD	ADDER, FULL,1 BIT,BINARY,GATED	DIL14C	+5V	125	31MA	80MXNS	Z001	TII	5480DM
SN5480W	TTL	ADD	ADDER, FULL,1 BIT,BINARY,GATED	FLP14	+5V	125	31MA	80MXNS	Z002	TII	5480FM
SN5481AJ	TTL	MEM	RAM, 16X1 BIT	DIL14C	+5V	125	60MA	40MXNS	S002	TII	-
SN5481AW	TTL	MEM	RAM, 16X1 BIT	FLP14	+5V	125	60MA	40MXNS	S002	TII	-
SN5482J	TTL	ADD	ADDER, FULL, 2 BIT BINARY	DIL14C	+5V	125	50MA	42MXNS	Z003	TII	5482DM
SN5482W	TTL	ADD	ADDER, FULL, 2 BIT BINARY	FLP14	+5V	125	50MA	42MXNS	Z003	TII	5482FM
SN5483AJ	TTL	ADD	ADDER,FULL,4BT BINARY,FST CRRY	DIL16C	+5V	125	99MA	24MXNS	Z004	TII	5483ADM
SN5483AW	TTL	ADD	ADDER,FULL,4BT BINARY,FST CRRY	FLP16	+5V	125	99MA	24MXNS	Z004	TII	5483AFM
SN5483J	TTL	ADD	ADDER,FULL,4BT BINARY,FST CRRY	DIL16C	+5V	125	79MA	47MXNS	Z004	TII	DM5483J
SN5483W	TTL	ADD	ADDER,FULL,4BT BINARY,FST CRRY	FLP16	+5V	125	79MA	47MXNS	Z004	TII	DM5483W
SN5484AJ	TTL	MEM	RAM, 16X1 BIT, OC OP	DIL16C	+5V	125	60MA	40MXNS	S003	TII	-
SN5484AW	TTL	MEM	RAM, 16X1 BIT, OC OP	FLP16	+5V	125	60MA	40MXNS	S003	TII	-
SN5485J	TTL	CMP	COMPARATOR, MAGNITUDE, 4 BIT	DIL16C	+5V	125	88MA	35MXNS	Z005	TII	DM5485J
SN5485W	TTL	CMP	COMPARATOR, MAGNITUDE 4 BIT	FLP16	+5V	125	88MA	35MXNS	Z005	TII	DM5485W
SN5486J	TTL	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14C	+5V	125	43MA	30MXNS	X001	TII	DM5486J
SN5486W	TTL	XOR	EXCLUSIVE OR, 2IP, QUAD	FLP14	+5V	125	43MA	30MXNS	X001	TII	DM5486W
SN5488AJ	TTL	MEM	ROM,256=32X8BT,OC,MASK PROGRAM	DIL16C	+5V	125	500MW	45MXNS	S004	TII	-
SN5488AW	TTL	MEM	ROM,256=32X8BT,OC,MASK PROGRAM	FLP16	+5V	125	500MW	45MXNS	S004	TII	-
SN5490AJ	TTL	CTR	COUNTER, DECADE,2X5 DIV,RIPPLE	DIL14C	+5V	125	42MA	32MXMHZ	C001	TII	DM5490AJ
SN5490AW	TTL	CTR	COUNTER, DECADE,2X5 DIV,RIPPLE	FLP14	+5V	125	42MA	32MXMHZ	C001	TII	DM5490AW
SN5490J	TTL	CTR	COUNTER, DECADE,2X5 DIV,RIPPLE	DIL14C	+5V	125	70MA	20MXMHZ	C001	TII	DM5490AJ
SN5490W	TTL	CTR	COUNTER, DECADE,2X5 DIV,RIPPLE	FLP14	+5V	125	70MA	20MXMHZ	C001	TII	DM5490AW
SN5491AJ	TTL	SRG	SHIFT REG, 8BT,SISO,GATED IP	DIL14C	+5V	125	50MA	18TPMHZ	R001	TII	5491ADM
SN5491AW	TTL	SRG	SHIFT REG, 8BT,SISO,GATED	FLP14	+5V	125	50MA	18TPMHZ	R002	TII	5491AFM
SN5492AJ	TTL	CTR	COUNTER, DUODECIMAL,2X6 DIVIDE	DIL14C	+5V	125	39MA	32MXMHZ	C002	TII	DM5492AJ
SN5492AW	TTL	CTR	COUNTER, DUODECIMAL,2X6 DIVIDE	FLP14	+5V	125	39MA	32MXMHZ	C002	TII	DM5492AW
SN5493AJ	TTL	CTR	COUNTER,4BT BIN,2X8 DIV,RIPPLE	DIL14C	+5V	125	39MA	32MXMHZ	C003	TII	DM5493AJ
SN5493AW	TTL	CTR	COUNTER,4BT BIN,2X8 DIV,RIPPLE	FLP14	+5V	125	39MA	32MXMHZ	C003	TII	DM5493AW
SN5494J	TTL	SRG	SHIFT REG, 4 BIT, 2 SET, PISO	DIL16C	+5V	125	50MA	10MXMHZ	R003	TII	5494DM
SN5494W	TTL	SRG	SHIFT REG, 4 BIT, 2 SET, PISO	FLP16	+5V	125	50MA	10MXMHZ	R003	TII	5494FM
SN5495AJ	TTL	SRG	SHIFT REG,4BIT,L/R SHIFT, PIPO	DIL14C	+5V	125	63MA	25MXMHZ	R004	TII	5495ADM
SN5495AW	TTL	SRG	SHIFT REG,4BIT,L/R SHIFT, PIPO	FLP14	+5V	125	63MA	25MXMHZ	R004	TII	5495AFM
SN5496J	TTL	SRG	SHIFT REG, 5BT,1 SET,PISO/SIPO	DIL16C	+5V	125	68MA	10MXMHZ	R005	TII	DM5496J
SN5496W	TTL	SRG	SHIFT REG, 5BT,1 SET,PISO/SIPO	FLP16	+5V	125	68MA	10MXMHZ	R005	TII	DM5496W
SN5497J	TTL	MLT	MULTIPLIER, RATE,BINARY, 6 BIT	DIL16C	+5V	125	120MA	25MXMHZ	Z007	TII	5497DM
SN5497W	TTL	MLT	MULTIPLIER, RATE,BINARY, 6 BIT	FLP16	+5V	125	120MA	25MXMHZ	Z007	TII	5497FM
SN6400 SERIES	TTL	-	85C VERSNS OF 125C SN5400 SER.	-	-	85C	-	-	-	TII	ZN6400 SERIES
SN6400J SER	TTL	-	85C VERSNS OF 125C SN5400J SER	DIL--C	-	85C	-	-	-	TII	-
SN6400N SER	TTL	-	85C VERSIONS OF SN5400N SERIES	DIL--P	-	85C	-	-	-	TII	-
SN6400W SER	TTL	-	85C VERSIONS OF SN5400W SERIES	FLP---	-	85C	-	-	-	TII	-
SN7400 SERIES	TTL	-	ALTERNATE SOURCE SN7400 SERIES	-	-	70C	-	-	-	TRA	-
SN7400 SERIES	TTL	-	ALTERNATE SOURCE SN7400 SERIES	-	-	70C	-	-	-	MOT	-
SN7400 SERIES	TTL	-	ALTERNATE SOURCE SN7400 SER	-	-	70C	-	-	-	ADM	-
SN7400 SERIES	TTL	-	74 SERIES DETAILED SEPARATELY	-	-	-	-	-	-	TII	-
SN7400J SER	TTL	-	CER DIL TTL SER DETAILED SEP.	DIL--C	-	70C	-	-	-	TII	-
SN7400N SER	TTL	-	PLASTIC DIL TTL DETAILED SEPT	DIL--P	-	70C	-	-	-	TII	-
SN7400W SER	TTL	-	FLP TTL SERIES DETAILED SEPTLY	FLP---	-	70C	-	-	-	TII	-
SN7400J	TTL	NAN	NAND, 2IP, QUAD	DIL14C	+5V	70C	22MA	22MXNS	N001	TII	DM7400J
SN7400N	TTL	NAN	NAND, 2IP, QUAD	DIL14P	+5V	70C	22MA	22MXNS	N001	TII	DM7400N
SN7400N3 SER.	TTL	-	PEP3 HI REL VERSN SN7400N SER	DIL--P	+5V	70C	-	-	-	TII	-
SN7401AJ	TTL	NAN	NAND, 2IP, OC OP, 15V, QUAD	DIL14C	+5V	70C	22MA	45MXNS	N003	TII	SN74LS01J
SN7401AN	TTL	NAN	NAND, 2IP, OC OP, 15V, QUAD	DIL14P	+5V	70C	22MA	45MXNS	N003	TII	SN74LS01AN
SN7401J	TTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14C	+5V	70C	22MA	45MXNS	N003	TII	DM7401J
SN7401N	TTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	70C	22MA	45MXNS	N003	TII	DM7401N
SN7402J	TTL	NOR	NOR, 2IP, QUAD	DIL14C	+5V	70C	27MA	15MXNS	Q001	TII	DM7402J
SN7402N	TTL	NOR	NOR, 2IP, QUAD	DIL14P	+5V	70C	27MA	15MXNS	Q001	TII	DM7402N
SN7403AJ	TTL	NAN	NAND, 2IP, 15V OC OP, QUAD	DIL14C	+5V	70C	22MA	45MXNS	N001	TII	-
SN7403AN	TTL	NAN	NAND, 2IP, 15V OC OP, QUAD	DIL14P	+5V	70C	22MA	45MXNS	N001	TII	-
SN7403J	TTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14C	+5V	70C	22MA	45MXNS	N001	TII	DM7403J
SN7403N	TTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	70C	22MA	45MXNS	N001	TII	DM7403N
SN7404J	TTL	INV	INVERTER, HEX	DIL14C	+5V	70C	33MA	22MXNS	I001	TII	DM7404J
SN7404N	TTL	INV	INVERTER, HEX	DIL14P	+5V	70C	33MA	22MXNS	I001	TII	DM7404N
SN7405J	TTL	INV	INVERTER, OC OP, HEX	DIL14C	+5V	70C	33MA	55MXNS	I001	TII	DM7405J
SN7405N	TTL	INV	INVERTER, OC OP, HEX	DIL14P	+5V	70C	33MA	55MXNS	I001	TII	D7405N
SN7405AJ	TTL	INV	INVERTER, OC 15V OP, HEX	DIL14C	+5V	70C	33MA	55MXNS	I001	TII	-
SN7405AN	TTL	INV	INVERTER, OC 15V OP, HEX	DIL14P	+5V	70C	33MA	55MXNS	I001	TII	-
SN7406J	TTL	INV	INVERTER/DRIVER, OC 30V, HEX	DIL14C	+5V	70C	51MA	23MXNS	I001	TII	DM7406J
SN7406N	TTL	INV	INVERTER/DRIVER, OC 30V, HEX	DIL14P	+5V	70C	51MA	23MXNS	I001	TII	DM7406N
SN7407J	TTL	BUF	BUFFER, NON INV,OC 30V OP, HEX	DIL14C	+5V	70C	41MA	30MXNS	B001	TII	DM7407J
SN7407N	TTL	BUF	BUFFER, NON INV,OC 30V OP, HEX	DIL14P	+5V	70C	41MA	30MXNS	B001	TII	DM7407N
SN7408J	TTL	AND	AND, 2IP, QUAD	DIL14C	+5V	70C	33MA	27MXNS	A001	TII	DM7408J
SN7408N	TTL	AND	AND, 2IP, QUAD	DIL14P	+5V	70C	33MA	27MXNS	A001	TII	DM7408N
SN7409AJ	TTL	AND	AND, 2IP, OC 15V OP, QUAD	DIL14C	+5V	70C	33MA	32MXNS	A001	TII	-
SN7409AN	TTL	AND	AND, 2IP, OC 15V OP, QUAD	DIL14P	+5V	70C	33MA	32MXNS	A001	TII	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
SN7409J	TTL	AND	AND, 2IP, OC OP, QUAD	DIL14C	+5V	70C	33MA	32MXNS	A001	TII	DM7409J
SN7409N	TTL	AND	AND, 2IP, OC OP, QUAD	DIL14P	+5V	70C	33MA	32MXNS	A001	TII	DM7409N
SN7410J	TTL	NAN	NAND, 3IP, TRIPLE	DIL14C	+5V	70C	16MA	22MXNS	N004	TII	DM7410J
SN7410N	TTL	NAN	NAND, 3IP, TRIPLE	DIL14P	+5V	70C	16MA	22MXNS	N004	TII	DM7410N
SN7412AJ	TTL	NAN	NAND, 3IP, OC 15V OP, TRIPLE	DIL14C	+5V	70C	17MA	45MXNS	N004	TII	-
SN7412AN	TTL	NAN	NAND, 3IP, OC 15V OP, TRIPLE	DIL14P	+5V	125	17MA	45MXNS	N004	TII	-
SN7412J	TTL	NAN	NAND, 3IP, OC OP, TRIPLE	DIL14C	+5V	70C	17MA	45MXNS	N004	TII	7412DC
SN7412N	TTL	NAN	NAND, 3IP, OC OP, TRIPLE	DIL14P	+5V	70C	17MA	45MXNS	N004	TII	7412PC
SN7413J	TTL	NAN	NAND, 4IP, SCHMITT, DUAL	DIL14C	+5V	70C	32MA	27MXNS	N007	TII	DM7413J
SN7413N	TTL	NAN	NAND, 4IP, SCHMITT, DUAL	DIL14P	+5V	70C	32MA	27MXNS	N007	TII	DM7413N
SN7414J	TTL	SCH	INVERTER, SCHMITT, HEX	DIL14C	+5V	70C	60MA	22MXNS	I004	TII	DM7414J
SN7414N	TTL	SCH	INVERTER, SCHMITT, HEX	DIL14P	+5V	70C	60MA	22MXNS	I004	TII	DM7414N
SN7416J	TTL	INV	INVERTER/BUFFER,OC 15V OP, HEX	DIL14C	+5V	70C	51MA	23MXNS	I001	TII	DM7416J
SN7416N	TTL	INV	INVERTER/BUFFER,OC 15V OP, HEX	DIL14P	+5V	70C	51MA	23MXNS	I001	TII	DM7416N
SN7417J	TTL	BUF	BUFFER NON INV,OC 15V OP, HEX	DIL14C	+5V	70C	41MA	30MXNS	B001	TII	DM7417J
SN7417N	TTL	BUF	BUFFER, NON INV,OC 15V OP, HEX	DIL14P	+5V	70C	41MA	30MXNS	B001	TII	DM7417N
SN7420J	TTL	NAN	NAND, 4IP, DUAL	DIL14C	+5V	70C	11MA	22MXNS	N008	TII	DM7420J
SN7420N	TTL	NAN	NAND, 4IP, DUAL	DIL14P	+5V	70C	11MA	22MXNS	N008	TII	DM7420N
SN7422AJ	TTL	NAN	NAND, 4IP OC OP, DUAL	DIL14C	+5V	70C	11MA	45MXNS	N008	TII	-
SN7422AN	TTL	NAN	NAND, 4IP, OC OP, DUAL	DIL14P	+5V	70C	11MA	45MXNS	N008	TII	-
SN7422J	TTL	NAN	NAND, 4IP OC OP, DUAL	DIL14C	+5V	70C	11MA	45MXNS	N008	TII	7422DC
SN7422N	TTL	NAN	NAND, 4IP OC OP, DUAL	DIL14P	+5V	70C	11MA	45MXNS	N008	TII	7422PC
SN7423J	TTL	NOR	NOR 4IP,EXPANDBLE,STROBE,DUAL	DIL16C	+5V	70C	19MA	22MXNS	Q003	TII	DM7423J
SN7423N	TTL	NOR	NOR, 4IP,EXPANDBLE,STROBE,DUAL	DIL16P	+5V	70C	19MA	22MXNS	Q003	TII	DM7423N
SN7425J	TTL	NOR	NOR, 4IP STROBE, DUAL	DIL16C	+5V	70C	19MA	22MXNS	Q004	TII	DM7425J
SN7425N	TTL	NOR	NOR, 4IP, STROBE, DUAL	DIL16P	+5V	70C	19MA	22MXNS	Q004	TII	DM7425N
SN7426J	TTL	NAN	NAND, 2IP, OC 15V OP, QUAD	DIL14C	+5V	70C	22MA	24MXNS	N001	TII	DM7426J
SN7426N	TTL	NAN	NAND, 2IP OC 15V OP QUAD	DIL14P	+5V	70C	22MA	24MXNS	N001	TII	DM7426N
SN7427J	TTL	NOR	NOR, 3IP TRIPLE	DIL14C	+5V	70C	26MA	15MXNS	Q005	TII	DM7427J
SN7427N	TTL	NOR	NOR, 3IP TRIPLE	DIL14P	+5V	70C	26MA	15MXNS	Q005	TII	DM7427N
SN7428J	TTL	NOR	NOR, BUFFER 2IP QUAD	DIL14C	+5V	70C	15MA	18MXNS	Q001	TII	N7428F
SN7428N	TTL	NOR	NOR, BUFFER, 2IP, QUAD	DIL14P	+5V	70C	15MA	18MXNS	Q001	TII	N7428N
SN7430J	TTL	NAN	NAND 8IP	DIL14C	+5V	70C	6MA	22MXNS	N010	TII	DM7430J
SN7430N	TTL	NAN	NAND, 8IP	DIL14P	+5V	70C	6MA	22MXNS	N010	TII	DM7430N
SN7432J	TTL	ORG	OR 2IP QUAD	DIL14C	+5V	70C	38MA	22MXNS	O001	TII	DM7432J
SN7432N	TTL	ORG	OR, 2IP, QUAD	DIL14P	+5V	70C	38MA	22MXNS	O001	TII	DM7432N
SN7433AJ	TTL	NOR	NOR 2IP, OC 15V OP, QUAD	DIL14C	+5V	70C	57MA	24MXNS	Q001	TII	-
SN7433AN	TTL	NOR	NOR, 2IP OC 15V OP, QUAD	DIL14P	+5V	70C	57MA	24MXNS	Q001	TII	-
SN7433J	TTL	NOR	NOR, 2IP, OC OP, QUAD	DIL14C	+5V	70C	57MA	24MXNS	Q001	TII	N7433F
SN7433N	TTL	NOR	NOR, 2IP, OC OP, QUAD	DIL14P	+5V	70C	57MA	24MXNS	Q001	TII	N7433N
SN7437J	TTL	NAN	NAND, BUFFER, 2IP, QUAD	DIL14C	+5V	70C	54MA	22MXNS	N001	TII	7437DC
SN7437N	TTL	NAN	NAND, BUFFER 2IP, QUAD	DIL14P	+5V	70C	54MA	22MXNS	N001	TII	7437PC
SN7438AJ	TTL	NAN	NAND,BUFFER,2IP,OC 15V OP,QUAD	DIL14C	+5V	70C	54MA	22MXNS	N001	TII	-
SN7438AN	TTL	NAN	NAND,BUFFER,2IP,OC 15V OP,QUAD	DIL14P	+5V	70C	54MA	22MXNS	N001	TII	-
SN7438J	TTL	NAN	NAND, BUFFER 2IP, OC OP, QUAD	DIL14C	+5V	70C	54MA	22MXNS	N001	TII	DM7438J
SN7438N	TTL	NAN	NAND, BUFFER, 2IP, OC OP, QUAD	DIL14P	+5V	70C	54MA	22MXNS	N001	TII	DM7438N
SN7440J	TTL	NAN	NAND, BUFFER, 4IP DUAL	DIL14C	+5V	70C	27MA	22MXNS	N008	TII	DM7440J
SN7440N	TTL	NAN	NAND, BUFFER, 4IP, DUAL	DIL14P	+5V	70C	27MA	22MXNS	N008	TII	DM7440N
SN7442AJ	TTL	DCD	DECODER, BCD-DECIMAL 4-10 LINE	DIL16C	+5V	70C	56MA	30MXNS	D001	TII	7442ADC
SN7442AN	TTL	DCD	DECODER, BCD-DECIMAL,4-10 LINE	DIL16P	+5V	70C	56MA	30MXNS	D001	TII	7442APC
SN7443AJ	TTL	DCD	DECODER, EXC 3-DECIMAL,4-10 LN	DIL16C	+5V	70C	56MA	30MXNS	D001	TII	7443ADC
SN7443AN	TTL	DCD	DECODER, EXC 3-DECIMAL,4-10 LN	DIL16P	+5V	70C	56MA	30MXNS	D001	TII	7443APC
SN7444AJ	TTL	DCD	DECODER,EXC 3 GRAY-DEC,4-10 LN	DIL16C	+5V	70C	56MA	30MXNS	D001	TII	7444ADC
SN7444AN	TTL	DCD	DECODER,EXC 3 GRAY-DEC,4-10 LN	DIL16P	+5V	70C	56MA	30MXNS	D001	TII	7444APC
SN7445J	TTL	DSP	DECODER,BCD-DEC,OC 30V,4-10 LN	DIL16C	+5V	70C	70MA	50MXNS	D001	TII	DM7445J
SN7445N	TTL	DSP	DECODER,BCD-DEC,OC 30V,4-10 LN	DIL16P	+5V	70C	70MA	50MXNS	D001	TII	DM7445N
SN7446AJ	TTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 30V	DIL16C	+5V	70C	103MA	200MXNS	D011	TII	DM7446AJ
SN7446AN	TTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 30V	DIL16P	+5V	70C	103MA	200MXNS	D011	TII	DM7446AN
SN7447AJ	TTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 15V	DIL16C	+5V	70C	103MA	200MXNS	D011	TII	DM7447AJ
SN7447AN	TTL	DSP	DECODER/DRIVER BCD-7SGT,OC 15V	DIL16P	+5V	70C	103MA	200MXNS	D011	TII	DM7447AN
SN7447J	TTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 15V	DIL16C	+5V	70C	85MA	100MXNS	D011	TII	N7442F
SN7447N	TTL	DSP	DECODER/DRIVER,BCD-7SGT,OC 15V	DIL16P	+5V	70C	85MA	100MXNS	D011	TII	N7442N
SN7448J	TTL	DSP	DECODER,BCD-7SGT,INTERN PULLUP	DIL16C	+5V	70C	90MA	100MXNS	D011	TII	DM7448J
SN7448N	TTL	DSP	DECODER,BCD-7SGT,INTERN PULLUP	DIL16P	+5V	70C	90MA	100MXNS	D011	TII	DM7448N
SN7449J	TTL	DSP	DECODER,BCD-7SGT,OC,ACT HI	DIL16C	+5V	70C	56MA	100MXNS	D004	TII	-
SN7449N	TTL	DSP	DECODER,BCD-7SGT,OC, ACT HI	DIL16P	+5V	70C	56MA	100MXNS	D004	TII	-
SN7450J	TTL	AOI	AOI, 2IP(1EXPDBLE) 2WIDE, DUAL	DIL14P	+5V	70C	14MA	22MXNS	Y001	TII	DM7450J
SN7450N	TTL	AOI	AOI, 2IP(1EXPDBLE) 2WIDE, DUAL	DIL14P	+5V	70C	14MA	22MXNS	Y001	TII	DM7450N
SN7451J	TTL	AOI	AOI, 2IP, 2WIDE, DUAL	DIL14C	+5V	70C	14MA	15MXNS	Y003	TII	-
SN7451N	TTL	AOI	AOI, 2IP, 2WIDE, DUAL	DIL14P	+5V	70C	14MA	15MXNS	Y003	TII	-
SN7453J	TTL	AOI	AND/OR INVERT,2-2-2-3IP,EXPDBL	DIL14C	+5V	70C	9.5MA	22MXNS	Y008	TII	DM7453J
SN7453N	TTL	AOI	AND/OR INVERT,2-2-2-3IP,EXPDBL	DIL14P	+5V	70C	9.5MA	22MXNS	Y008	TII	DM7453N
SN7454J	TTL	ADI	AND/OR INVERT,2-2-2-3IP	DIL14C	+5V	70C	9.5MA	22MXNS	Y012	TII	-
SN7454N	TTL	AOI	AND/OR INVERT,2-2-2-3IP	DIL14P	+5V	70C	9.5MA	22MXNS	Y013	TII	-
SN7460J	TTL	EXP	EXPANDER, 4IP,OC,FOR AOI, DUAL	DIL14C	+5V	70C	4MA	30MXNS	E001	TII	DM7460J

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
SN7460N	TTL	EXP	EXPANDER, 4IP,OC,FOR AOI, DUAL	DIL14C	+5V	70C	4MA	30MXNS	E001	TII	DM7460N
SN7465J	TTL	AOI	AOI, 4-2-3-2IP,OC OP,EXPANDBLE	DIL14C	+5V	70C	16MA	9MXNS	Y020	TII	-
SN7465N	TTL	AOI	AOI, 4-2-3-2IP,OC OP,EXPANDBLE	DIL14P	+5V	70C	16MA	9MXNS	Y020	TII	-
SN7470J	TTL	FFJ	FF/JK,+EDG TRIG,AND GTD,S/R/CK	DIL14C	+5V	70C	26MA	20MXMHZ	F001	TII	DM7470J
SN7470N	TTL	FFJ	FF/JK,+EDG TRIG,AND GTD,S/R/CK	DIL14P	+5V	70C	26MA	20MXMHZ	F001	TII	DM7470N
SN7472J	TTL	FFJ	FF/JK,MASTER SLVE,A GTD,S/R/CK	DIL14C	+5V	70C	20MA	15MXMHZ	F005	TII	DM7472J
SN7472N	TTL	FFJ	FF/JK,MASTER SLVE,A GTD,S/R/CK	DIL14P	+5V	70C	20MA	15MXMHZ	F005	TII	DM7472N
SN7473J	TTL	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	DIL14C	+5V	70C	40MA	15MXMHZ	F007	TII	DM7473J
SN7473N	TTL	FFJ	FF/JK,M-S,SEP CK AND R, DUAL	DIL14P	+5V	70C	40MA	15MXMHZ	F007	TII	DM7473N
SN7474J	TTL	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	DIL14C	+5V	70C	30MA	10MXMHZ	F008	TII	DM7474J
SN7474N	TTL	FFD	FF/D, +EDG TRG,SEP S/R/CK,DUAL	DIL14P	+5V	70C	30MA	10MXMHZ	F008	TII	DM7474N
SN7475J	TTL	LCH	LATCH,FF/D,2BT,TRANSP,2OP,DUAL	DIL16C	+5V	70C	53MA	40MXNS	L001	TII	DM7475J
SN7475N	TTL	LCH	LATCH,FF/D,2BT,TRANSP,2OP,DUAL	DIL16P	+5V	70C	53MA	40MXNS	L001	TII	DM7475N
SN7476J	TTL	FFJ	FF/JK, M-S, SEP S/R/CK, DUAL	DIL16C	+5V	70C	40MA	15MXMHZ	F010	TII	DM7476J
SN7476N	TTL	FFJ	FF/JK, M-S, SEP S/R/CK, DUAL	DIL16P	+5V	70C	40MA	15MXMHZ	F010	TII	DM7476N
SN7480J	TTL	ADD	ADDER, FULL,1 BIT,BINARY,GATED	DIL14C	+5V	70C	35MA	80MXNS	Z001	TII	7480DC
SN7480N	TTL	ADD	ADDER, FULL,1 BIT,BINARY,GATED	DIL14P	+5V	70C	35MA	80MXNS	Z001	TII	7480PC
SN7481AJ	TTL	MEM	RAM, 16X1 BIT	DIL14C	+5V	70C	60MA	40MXNS	S002	TII	-
SN7481AN	TTL	MEM	RAM, 16X1 BIT	DIL14P	+5V	70C	60MA	40MXNS	S002	TII	-
SN7482J	TTL	ADD	ADDER, FULL, 2 BIT BINARY	DIL14C	+5V	70C	58MA	42MXNS	Z003	TII	7482DC
SN7482N	TTL	ADD	ADDER, FULL, 2 BIT BINARY	DIL14P	+5V	70C	58MA	42MXNS	Z003	TII	7482PC
SN7483AJ	TTL	ADD	ADDER,FULL,4BT BINARY,FST CRRY	DIL16C	+5V	70C	110MA	24MXNS	Z004	TII	7483ADC
SN7483AN	TTL	ADD	ADDER,FULL,4BT BINARY,FST CRRY	DIL16P	+5V	70C	110MA	24MXNS	Z004	TII	7483APC
SN7484AJ	TTL	MEM	RAM, 16X1 BIT, OC OP	DIL16C	+5V	70C	60MA	28MXNS	S003	TII	-
SN7484AN	TTL	MEM	RAM, 16X1 BIT, OC OP	DIL16P	+5V	70C	60MA	28MXNS	S003	TII	-
SN7485J	TTL	MEM	COMPARATOR, MAGNITUDE, 4 BIT	DIL16C	+5V	70C	88MA	35MXNS	Z005	TII	DM7485J
SN7485N	TTL	CMP	COMPARATOR, MAGNITUDE, 4 BIT	DIL16P	+5V	70C	88MA	35MXNS	Z005	TII	DM7485N
SN7486J	TTL	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14C	+5V	70C	50MA	30MXNS	X001	TII	DM7486J
SN7486N	TTL	XOR	EXCLUSIVE OR, 2IP, QUAD	DIL14P	+5V	70C	50MA	30MXNS	X001	TII	DM7486N
SN7488AJ	TTL	MEM	ROM,256=32X8BT,OC,MASK PROGRAM	DIL16C	+5V	70C	-		S004	TII	-
SN7488AN	TTL	MEM	ROM,256=32X8BT,OC,MASK PROGRAM	DIL16P	+5V	70C	-		S004	TII	-
SN7489J	TTL	MEM	RAM, 64=16X4 BIT, OC OP	DIL16C	+5V	70C	105MA	60MXNS	S001	TII	7489DC
SN7489N	TTL	MEM	RAM, 64=16X4 BIT, OC OP	DIL16P	+5V	70C	105MA	60MXNS	S001	TII	7489PC
SN7490AJ	TTL	CTR	COUNTER, DECADE,2X5 DIV,RIPPLE	DIL14C	+5V	70C	42MA	32MXMHZ	C001	TII	DM7490AJ
SN7490AN	TTL	CTR	COUNTER, DECADE,2X5 DIV,RIPPLE	DIL14P	+5V	70C	42MA	32MXMHZ	C001	TII	DM7490AN
SN7491AJ	TTL	SRG	SHIFT REG, 8BT,SISO,GATED IP	DIL14C	+5V	70C	58MA	18TPMHZ	R001	TII	7491ADC
SN7491AN	TTL	SRG	SHIFT REG, 8BT,SISO,GATED IP	DIL14P	+5V	70C	58MA	18TPMHZ	R001	TII	7491APC
SN7492AJ	TTL	CTR	COUNTER, DUODECIMAL,2X6 DIVIDE	DIL14C	+5V	70C	39MA	32MXMHZ	C002	TII	DM7492AJ
SN7492AN	TTL	CTR	COUNTER, DUODECIMAL,2X6 DIVIDE	DIL14P	+5V	70C	39MA	32MXMHZ	C002	TII	DM7492AN
SN7492J	TTL	CTR	COUNTER, DUODECIMAL,2X6 DIVIDE	DIL14C	+5V	70C	51MA	10MXMHZ	C002	TII	SN7492AJ
SN7492N	TTL	CTR	COUNTER, DUODECIMAL,2X6 DIVIDE	DIL14P	+5V	70C	51MA	10MXMHZ	C002	TII	SN7492AN
SN7493AJ	TTL	CTR	COUNTER,4BT BIN,2X8 DIV,RIPPLE	DIL14C	+5V	70C	39MA	32MXMHZ	C003	TII	DM7493AJ
SN7493AN	TTL	CTR	COUNTER,4BT BIN,2X8 DIV,RIPPLE	DIL14P	+5V	70C	39MA	32MXMHZ	C003	TII	DM7493AN
SN7493J	TTL	CTR	COUNTER,4BT BIN,2X8 DIV,RIPPLE	DIL14C	+5V	70C	53MA	10MXMHZ	C003	TII	N7493F
SN7493N	TTL	CTR	COUNTER,4BT BIN,2X8 DIV,RIPPLE	DIL14P	+5V	70C	53MA	10MXMHZ	C003	TII	N7493N
SN7494J	TTL	SRG	SHIFT REG, 4 BIT, 2 SET, PISO	DIL16C	+5V	70C	58MA	10MXMHZ	R003	TII	7494DC
SN7494N	TTL	SRG	SHIFT REG, 4 BIT, 2 SET, PISO	DIL16P	+5V	70C	58MA	10MXMHZ	R003	TII	7494PC
SN7495J	TTL	SRG	SHIFT REG,4BIT,L/R SHIFT, PIPO	DIL14C	+5V	70C	63MA	25MXMHZ	R004	TII	DM7495J
SN7495N	TTL	SRG	SHIFT REG,4BIT,L/R SHIFT, PIPO	DIL14P	+5V	70C	63MA	25MXMHZ	R004	TII	DM7495N
SN7496J	TTL	SRG	SHIFT REG, 5BT,1 SET,PISO/SIPO	DIL16C	+5V	70C	79MA	10MXMHZ	R005	TII	DM7496J
SN7496N	TTL	SRG	SHIFT REG, 5BT,1 SET,PISO/SIPO	DIL16P	+5V	70C	79MA	10MXMHZ	R005	TII	DM7496N
SN7497J	TTL	MLT	MULTIPLIER, RATE,BINARY, 6 BIT	DIL16C	+5V	70C	120MA	25MXMHZ	Z007	TII	7497DC
SN7497N	TTL	MLT	MULTIPLIER, RATE,BINARY, 6 BIT	DIL16P	+5V	70C	120MA	25MXMHZ	Z007	TII	7497PC
SN7499J	TTL	SRG	SHIFT REG, L/R SHIFT, 4 BIT	DIL16C	+5V	70C	-	-	R036	TII	-
SN7499N	TTL	SRG	SHIFT REG, L/R SHIFT, 4 BIT	DIL16P	+5V	70C	-	-	R036	TII	-
SN8400 SERIES	TTL	-	85C VERSIONS OF 70C SN7400 SER	-	-	85C	-	-	-	TII	-
SN8400J SER.	TTL	-	85C VERSIONS OF 70C SN7400J SR	DIL--C	-	85C	-	-	-	TII	
SN8400N SER	TTL	-	85C VERSIONS OF SN7400N SER	DIL--P	-	85C	-	-	-	TII	-
SN10100J SER	ECL	-	TEXAS INST VRSN MC10100L SER	DIL--C	-5.2V	85C	-	-	-	TII	MC10100L
SN10100N SER	ECL	-	TEXAS INST VRSN MC10100P SER	DIL--P	-5.2V	85C	-	-	-	TII	MC10100P SER
SN15300 SER	HNL	-	TEXAS INST OBS VRSN 300 SERIES	-	-	-	-	-	-	TII	300 SERIES
SN15830 SER	DTL	-	TEXAS INST OBS VRSN MC830 SER	-	+5V	75C	-	-	-	TII	930 SERIES
SN15930 SER	DTL	-	TEXAS INST OBS VRSN 930 SERIES	-	+5V	125	-	-	-	TII	930 SERIES
SN29000 SER	TTL	-	TEXAS INST VRSN 75C 9000 SER	-	+5V	75C	-	-	-	TII	OBSOLETE
SN29300 SER.	TTL	-	TEXAS INST VRSN 75C 9300 SER	-	+5V	75C	-	-	-	TII	OBSOLETE
SN39000 SER	TTL	-	TEXAS INST VRSN 125C 9000 SER	-	+5V	125	-	-	-	TII	OBSOLETE
SN49700N SER	TTL	-	TEXAS VERSN OF TL49700N SER	DIL--P	+5V	70C	-	-	-	TII	TL49700N SER.
SN49800N SER	TTL	-	TEXAS VERSN. OF TL49800N SER.	DIL--P	+5V	85C	-	-	-	TII	TL49800N SER
SN54100J	TTL	FFD	FF/D,BISTABLE LATCH, 4BT, DUAL	DIL24C	+5V	125	92MA	30MXNS	L016	TII	S54100F
SN54100W	TTL	FFD	FF/D,BISTABLE LATCH, 4BT, DUAL	FLP24	+5V	125	92MA	30MXNS	L016	TII	S54100W
SN54107J	TTL	FFJ	FF/JK, M-S, SEP R/CK, DUAL	DIL14C	+5V	125	40MA	15MXMHZ	F019	TII	54107DM
SN54109J	TTL	FFJ	FF/J(-K), +ET,SEP S/R/CK, DUAL	DIL16C	+5V	125	30MA	25MXMHZ	F021	TII	DM54109J
SN54109W	TTL	FFJ	FF/J(-K), +ET,SEP S/R/CK, DUAL	FLP16	+5V	125	30MA	25MXMHZ	F021	TII	DM54109W
SN54110J	TTL	FFJ	FF/JK, M-S,DATA LOCKOUT,A GTD	DIL14C	+5V	125	34MA	20MXMHZ	F005	TII	-
SN54110W	TTL	FFJ	FF/JK, M-S,DATA LOCKOUT A GTD	FLP14	+5V	125	34MA	20MXMHZ	F005	TII	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
SN54111J	TTL	FFJ	FF/JK, M-S, DATA LOCKOUT, DUAL	DIL16C	+5V	125	21MA	20MXMHZ	F045	TII	-
SN54111W	TTL	FFJ	FF/JK, M-S DATA LOCKOUT, DUAL	FLP16	+5V	125	21MA	20MXMHZ	F045	TII	-
SN54115J	TTL	FFJ	FF/JK, MASTER-SLAVE, DUAL	DIL14C	+5V	125	280MW	30MXNS	F046	TII	-
SN54115N	TTL	FFJ	FF/JK, MASTER-SLAVE, DUAL	DIL14P	+5V	125	280MW	30MXNS	F046	TII	-
SN54116J	TTL	LCH	LATCH, TRANSPT,4BT,SEP R DUAL	DIL24C	+5V	125	100MA	30MXNS	L011	TII	S54116F
SN54116W	TTL	LCH	LATCH, TRANSPT,4BT,SEP R, DUAL	FLP24	+5V	125	100MA	30MXNS	L011	TII	S54116W
SN54118J	TTL	FFR	FF/RS, LATCH, 6 BIT, COMMON R	DIL16C	+5V	125	300MW	29MXNS	F047	TII	-
SN54118W	TTL	FFR	FF/RS, LATCH, 6 BIT, COMMON R	FLP16	+5V	125	300MW	29MXNS	F047	TII	-
SN54119J	TTL	FFR	FF/RS, LATCH 6BT, COMM+SEP R	DIL24C	+5V	125	300MW	29MXNS	F048	TII	-
SN54119W	TTL	FFR	FF/RS, LATCH, 6BT, COMM+SEP R	FLP24	+5V	125	300MW	29MXNS	F048	TII	-
SN54120J	TTL	SYN	SYNCHRONIZER/DRIVER,PULSE,DUAL	DIL16C	+5V	125	90MA	25MXNS	Z029	TII	-
SN54120W	TTL	SYN	SYNCHRONIZER/DRIVER,PULSE,DUAL	FLP16	+5V	125	90MA	25MXNS	Z029	TII	-
SN54121J	TTL	MON	MONOSTABLE MULTI, SCHMITT TRIG	DIL14C	+5V	125	40MA	-	U001	TII	DM54121J
SN54121W	TTL	MON	MONOSTABLE MULTI, SCHMITT TRIG	FLP14	+5V	125	40MA	-	U001	TII	DM54121W
SN54122J	TTL	MON	MONOSTABLE,MULTI,RETRIG,WITH R	DIL14C	+5V	125	28MA	-	U002	TII	54122DM
SN54122W	TTL	MON	MONOSTABLE,MULTI,RETRIG WITH R	FLP14	+5V	125	28MA	-	U002	TII	54122FM
SN54123J	TTL	MON	MONOSTABLE,MULTI,RETRIG DUAL	DIL16C	+5V	125	66MA	-	U003	TII	54123DM
SN54123W	TTL	MON	MONOSTABLE,MULTI,RETRIG, DUAL	FLP16	+5V	125	66MA	-	U003	TII	54123FM
SN54125J	TTL	LND	LINE DRIVER, 3S OP,LO EN, QUAD	DIL14C	+5V	125	54MA	18MXNS	B002	TII	54125DM
SN54125W	TTL	LND	LINE DRIVER 3S OP,LO EN QUAD	FLP14	+5V	125	54MA	18MXNS	B002	TII	54125FM
SN54126J	TTL	LND	LINE DRIVER, 3S OP,HI EN, QUAD	DIL14C	+5V	125	62MA	18MXNS	B003	TII	54126DM
SN54126W	TTL	LND	LINE DRIVER, 3S OP,HI EN, QUAD	FLP14	+5V	125	62MA	18MXNS	B003	TII	54126FM
SN54128J	TTL	LND	LINE DRVR, 2IP NOR,75 OHM,QUAD	DIL14C	+5V	125	57MA	18MXNS	Q001	TII	S54128F
SN54128W	TTL	LND	LINE DRVR 2IP NOR,75 OHM,QUAD	FLP14	+5V	125	57MA	18MXNS	Q001	TII	S54128W
SN54132J	TTL	SCH	NAND, 2IP,SCHMITT QUAD	DIL14C	+5V	125	40MA	22MXNS	N001	TII	DM54132J
SN54132W	TTL	SCH	NAND 2IP,SCHMITT, QUAD	FLP14	+5V	125	40MA	22MXNS	N001	TII	DM54132W
SN54136J	TTL	XOR	EXCLUSIVE OR, OC OP QUAD	DIL14C	+5V	125	43MA	55MXNS	X001	TII	DM54136J
SN54136W	TTL	XOR	EXCLUSIVE OR OC OP QUAD	FLP14	+5V	125	43MA	55MXNS	X001	TII	DM54136J
SN54143J	TTL	DSP	DRIVER,LED,7-SGMT,5V CNTR,LTCH	DIL24C	+5V	125	93MA	12MXMHZ	D020	TII	-
SN54143W	TTL	DSP	DRIVER,LED,7-SGMT,5V,CNTR,LTCH	FLP24	+5V	125	93MA	12MXMHZ	D020	TII	-
SN54144J	TTL	DSP	DRIVER,LAMP,7-SGT,15V CTR,LTCH	DIL24C	+5V	125	93MA	12MXMHZ	D020	TII	-
SN54144W	TTL	DSP	DRIVER,LAMP,7-SGT,15V,CTR,LTCH	FLP24	+5V	125	93MA	12MXMHZ	D020	TII	-
SN54145J	TTL	DVR	DRIVER 80MA BCD-DEC DECODR,OC	DIL16C	+5V	125	62MA	50MXNS	D001	TII	DM54145J
SN54145W	TTL	DVR	DRIVER,80MA, BCD-DEC DECODR,OC	FLP16	+5V	125	62MA	50MXNS	D001	TII	DM54145W
SN54147J	TTL	ENC	ENCODER PRIORITY,10-TO-4 LINE	DIL16C	+5V	125	70MA	19MXNS	M017	TII	DM54147J
SN54147W	TTL	ENC	ENCODER PRIORITY,10-TO-4 LINE	FLP16	+5V	125	70MA	19MXNS	M017	TII	DM54147W
SN54148J	TTL	ENC	ENCODER PRIORITY,8-TO-3 LINE	DIL16C	+5V	125	60MA	30MXNS	M015	TII	DM54148J
SN54148W	TTL	ENC	ENCODER, PRIORITY,8-TO-3 LINE	FLP16	+5V	125	60MA	30MXNS	M015	TII	DM54148W
SN54150J	TTL	MUX	MUX/DATA SELECTOR,16-TO-1 LINE	DIL24C	+5V	125	68MA	35MXNS	M001	TII	54150DM
SN54150W	TTL	MUX	MUX/DATA SELECTOR,16-TO-1 LINE	FLP24	+5V	125	68MA	35MXNS	M001	TII	54150FM
SN54151AJ	TTL	MUX	MUX/DATA SELECTOR, 8-TO-1 LINE	DIL16C	+5V	125	48MA	35MXNS	M002	TTL	DM54151AJ
SN54151AW	TTL	MUX	MUX/DATA SELECTOR, 8-TO-1 LINE	FLP16	+5V	125	48MA	35MXNS	M002	TII	DM54151AW
SN54152AW	TTL	MUX	MUX/DATA SELECTOR,14 PIN 54151	FLP14	+5V	125	43MA	38MXNS	M003	TII	54152AFM
SN54153J	TTL	MUX	MUX/DATA SELECTOR,4-1 LIN DUAL	DIL16C	+5V	125	52MA	34MXNS	M004	TII	DM54153J
SN54153W	TTL	MUX	MUX/DATA SELECTOR,4-1 LIN DUAL	FLP16	+5V	125	52MA	34MXNS	M004	TII	DM54153W
SN54154J	TTL	DCD	DECODER/DEMUX, 4-TO-16 LINE	DIL24C	+5V	125	49MA	31MXNS	D009	TII	DM54154J
SN54154W	TTL	DCD	DECODER/DEMUX 4-TO-16 LINE	FLP24	+5V	125	49MA	31MXNS	D009	TII	54154FM
SN54155J	TTL	DCD	DECODER/DEMUX,2-TO-4 LINE,DUAL	DIL16C	+5V	125	35MA	32MXNS	D010	TII	DM54155J
SN54155W	TTL	DCD	DECODER/DEMUX,2-TO-4 LINE,DUAL	FLP16	+5V	125	35MA	32MXNS	D010	TII	DM54155F
SN54156J	TTL	DCD	DECODER/DEMUX,2-4 LINE,OC,DUAL	DIL16C	+5V	125	35MA	40MXNS	D010	TII	DM54156J
SN54156W	TTL	DCD	DECODER/DEMUX,2-4 LINE,OC,DUAL	FLP16	+5V	125	35MA	40MXNS	D010	TII	DM54156W
SN54157J	TTL	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	DIL16C	+5V	125	48MA	27MXNS	M005	TII	DM54157J
SN54157W	TTL	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	FLP16	+5V	125	48MA	27MXNS	M005	TII	DM54157W
SN54159J	TTL	DCD	DECODER/DEMUX,4-16 LINE,OC OP	DIL24C	+5V	125	56MA	36MXNS	D021	TII	-
SN54159W	TTL	DCD	DECODER/DFMUX,4-16 LINE,OC OP	FLP24	+5V	125	56MA	36MXNS	D021	TII	-
SN54160J	TTL	CTR	COUNTER,DEC,4 BIT, SYNC,DRCT R	DIL16C	+5V	125	91MA	25MXMHZ	C004	TII	54160DM
SN54160W	TTL	CTR	COUNTER,DEC,4 BIT, SYNC,DRCT R	FLP16	+5V	125	91MA	25MXMHZ	C004	TII	54160FM
SN54161J	TTL	CTR	COUNTER, BIN,4 BIT,SYNC,DRCT R	DIL16C	+5V	125	91MA	25MXMHZ	C004	TII	54161DM
SN54161W	TTL	CTR	COUNTER, BIN,4 BIT,SYNC,DRCT R	FLP16	+5V	125	91MA	25MXMHZ	C004	TII	S54161W
SN54162J	TTL	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	DIL16C	+5V	125	91MA	25MXMHZ	C005	TII	54162DM
SN54162W	TTL	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	FLP16	+5V	125	91MA	25MXMHZ	C005	TII	54162FM
SN54163J	TTL	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	DIL16C	+5V	125	91MA	25MXMHZ	C005	TII	54163DM
SN54163W	TTL	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	FLP16	+5V	125	91MA	25MXMHZ	C005	TII	54163FM
SN54164J	TTL	SRG	SHIFT REGISTER, 8 BIT, SIPO	DIL14C	+5V	125	54MA	25MXMHZ	R006	TII	DM54164J
SN54164W	TTL	SRG	SHIFT REGISTER, 8 BIT, SIPO	FLP14	+5V	125	54MA	25MXMHZ	R006	TII	DM54164W
SN54165J	TTL	SRG	SHIFT REGISTER, 8 BIT, PISO	DIL16C	+5V	125	63MA	20MXMHZ	R007	TII	DM54165J
SN54165W	TTL	SRG	SHIFT REGISTER, 8 BIT, PISO	FLP16	+5V	125	63MA	20MXMHZ	R007	TII	DM54165W
SN54166J	TTL	SRG	SHIFT REGISTER,8 BIT,PISO/SIPO	DIL16C	+5V	125	127MA	25MXMHZ	R008	TII	DM54166J
SN54166W	TTL	SRG	SHIFT REGISTER,8 BIT,PISO/SIPO	FLP16	+5V	125	127MA	25MXMHZ	R008	TII	54166FM
SN54167J	TTL	MLT	RATE MULTIPLIER,4 BIT,DEC,SYNC	DIL16C	+5V	125	99MA	25MXMHZ	Z008	TII	54167DM
SN54167W	TTL	MLT	RATE MULTIPLIER,4 BIT,DEC,SYNC	FLP16	+5V	125	99MA	25MXMHZ	Z008	TII	54167FM
SN54170J	TTL	MEM	RAM, SIM READ/WRITE,4X4 BIT,OC	DIL16C	+5V	125	140MA	45MXNS	R009	TII	54170DM
SN54170W	TTL	MEM	RAM, SIM READ/WRITE,4X4 BIT,OC	FLP16	+5V	125	140MA	45MXNS	R009	TII	54170FM
SN54173J	TTL	FFD	FF/D,LATCH,BUFF REG,4 BT,3S OP	DIL16C	+5V	125	72MA	25MXMHZ	R010	TII	DM54173J
SN54173W	TTL	FFD	FF/D,LATCH,BUFF REG,4 BT,3S OP	FLP16	+5V	125	72MA	25MXMHZ	R010	TII	DM54173W

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
SN54174J	TTL	FFD	FF/D, EDGE TRIG,COMM R/CK, HEX	DIL16C	+5V	125	65MA	25MXMHZ	F025	TII	DM54174J
SN54174W	TTL	FFD	FF/D, EDGE TRIG,COMM R/CK, HEX	FLP16	+5V	125	65MA	25MXMHZ	F025	TII	DM54174W
SN54175J	TTL	FFD	FF/D, ET,COM R/CK,COMP OP,QUAD	DIL16C	+5V	125	45MA	25MXMHZ	F026	TII	DM54175J
SN54175W	TTL	FFD	FF/D, ET,COM R/CK,COMP OP,QUAD	FLP16	+5V	125	45MA	25MXMHZ	F026	TII	DM54175W
SN54176J	TTL	CTR	COUNTER,DEC,2X5 DIV,PROG,LATCH	DIL14C	+5V	125	48MA	35MXMHZ	C007	TII	DM54176J
SN54176W	TTL	CTR	COUNTER,DEC,2X5 DIV,PROG,LATCH	FLP14	+5V	125	48MA	35MXMHZ	C007	TII	54176FM
SN54177J	TTL	CTR	COUNTER,HEX,2X8 DIV,PROG,LATCH	DIL14C	+5V	125	48MA	35MXMHZ	C007	TII	DM54177J
SN54177W	TTL	CTR	COUNTER,HEX,2X8 DIV,PROG,LATCH	FLP14	+5V	125	48MA	35MXMHZ	C007	TII	54177FM
SN54178J	TTL	SRG	SHIFT REG, L/R,4 BIT,1 OP,PIPO	DIL14C	+5V	125	70MA	25MXMHZ	R011	TII	54178DM
SN54178W	TTL	SRG	SHIFT REG, L/R,4 BIT,1 OP,PIPO	FLP14	+5V	125	70MA	25MXMHZ	R011	TII	54178FM
SN54179J	TTL	SRG	SHIFT REG.L/R,4 BT,CMP OP,PIPO	DIL16C	+5V	125	70MA	25MXMHZ	R012	TII	54179DM
SN54179W	TTL	SRG	SHIFT REG.L/R 4 BT,CMP OP,PIPO	FLP16	+5V	125	70MA	25MXMHZ	R012	TII	54179FM
SN54180J	TTL	PAR	PARITY BIT GEN/CHECKER,9 BIT	DIL14C	+5V	125	49MA	68MXNS	Z009	TII	DM54180J
SN54180W	TTL	PAR	PARITY BIT GEN/CHECKER,9 BIT	FLP14	+5V	125	49MA	68MXNS	Z009	TII	DM54180W
SN54181J	TTL	ARI	ALU/FUNCTION-GENERATOR,4 BIT	DIL24C	+5V	125	35MA	38MXNS	Z010	TII	DM54181J
SN54181W	TTL	ARI	ALU/FUNCTION-GENERATOR,4 BIT	FLP24	+5V	125	35MA	38MXNS	Z010	TII	-
SN54182J	TTL	LAC	LOOK AHEAD CARRY GENERATOR,4BT	DIL16C	+5V	125	65MA	11MXNS	Z018	TII	S54182F
SN54182W	TTL	LAC	LOOK AHEAD CARRY GENERATOR,4BT	FLP16	+5V	125	65MA	11MXNS	Z018	TII	S54182W
SN54184J	TTL	CVR	CONVERTER,BCD TO BINARY,6BT,OC	DIL16C	+5V	125	99MA	40MXNS	K001	TII	DM54184J
SN54184W	TTL	CVR	CONVERTER BCD TO BINARY,6BT,OC	FLP16	+5V	125	99MA	40MXNS	K001	TII	-
SN54185AJ	TTL	CVR	CONVERTER,BINARY TO BCD,6BT,OC	DIL16C	+5V	125	99MA	40MXNS	K001	TII	DM54185AJ
SN54185AW	TTL	CVR	CONVERTER BINARY TO BCD,6BT,OC	FLP16	+5V	125	99MA	40MXNS	K001	TII	-
SN54186J	TTL	MEM	PROM,512=64X8 BIT,OC OP,FUZBLE	DIL24C	+5V	125	800MW	75MXNS	S005	TII	-
SN54186W	TTL	MEM	PROM,512=64X8 BIT,OC OP,FUZBLE	FLP24	+5V	125	800MW	75MXNS	S005	TII	-
SN54187J	TTL	MEM	ROM,1K=256X4 BT,OC OP,MASKABLE	DIL16C	+5V	125	110MA	60MXNS	S006	TII	DM54187J
SN54187W	TTL	MEM	ROM,1K=256X4 BT,OC OP,MASKABLE	FLP16	+5V	125	110MA	60MXNS	S006	TII	-
SN54188AJ	TTL	MEM	PROM,256=32X8 BT,OC OP,FUZIBLE	DIL16C	+5V	125	-	-	S007	TII	-
SN54188AW	TTL	MEM	PROM,256=32X8 BT,OC OP,FUZIBLE	FLP16	+5V	125	-	-	S007	TII	-
SN54189AJ	TTL	MEM	RAM, 64=16X4 BIT 3S INV OP	DIL16C	+5V	125	700MW	50MXNS	S001	TII	54LS189DM
SN54189AW	TTL	MEM	RAM, 64=16X4 BIT, 3S INV OP	FLP16	+5V	125	700MW	50MXNS	S001	TII	54LS189FM
SN54190J	TTL	CTR	COUNTER,DEC,UP/DWN,SYNC,PRESET	DIL16C	+5V	125	99MA	20MXMHZ	C008	TII	DM54190J
SN54190W	TTL	CTR	COUNTER,DEC,UP/DWN,SYNC,PRESET	FLP16	+5V	125	99MA	20MXMHZ	C008	TII	DM54190W
SN54191J	TTL	CTR	COUNTER, 4 BT HEX, UP/DWN,SYNC	DIL16C	+5V	125	99MA	20MXMHZ	C008	TII	DM54191J
SN54191W	TTL	CTR	COUNTER, 4 BT HEX, UP/DWN,SYNC	FLP16	+5V	125	99MA	20MXMHZ	C008	TII	DM54190W
SN54192J	TTL	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	DIL16C	+5V	125	89MA	25MXMHZ	C009	TII	DM54192J
SN54192W	TTL	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	FLP16	+5V	125	89MA	25MXMHZ	C009	TII	DM54192W
SN54193J	TTL	CTR	COUNTER,HEX,UP/DWN,SYNC,2CK,3S	DIL16C	+5V	125	99MA	25MXMHZ	C009	TII	DM54193J
SN54193W	TTL	CTR	COUNTER,HEX,UP/DWN,SYNC,2CK,3S	FLP16	+5V	125	89MA	25MXMHZ	C009	TII	DM54193W
SN54194J	TTL	SRG	SHIFT REGISTER,4 BIT,L/R, PIPO	DIL16C	+5V	125	63MA	25MXMHZ	R013	TII	DM54194J
SN54194W	TTL	SRG	SHIFT REGISTER,4 BIT,L/R PIPO	FLP16	+5V	125	63MA	25MXMHZ	R013	TII	
SN54195J	TTL	SRG	SHIFT REGISTER,4 BIT, PIPO	DIL16C	+5V	125	63MA	25MXMHZ	R014	TII	DM54195J
SN54195W	TTL	SRG	SHIFT REGISTER 4 BIT PIPO	FLP16	+5V	125	63MA	25MXMHZ	R014	TII	DM54195W
SN54196J	TTL	CTR	COUNTER,DEC,BCD/BIQUIN,RIPPLE	DIL14C	+5V	125	59MA	50MXMHZ	C010	TII	D54196J
SN54196W	TTL	CTR	COUNTER,DEC,BCD/BIQUIN,RIPPLE	FLP14	+5V	125	59MA	50MXMHZ	C010	TII	54196FM
SN54197J	TTL	CTR	COUNTER,HEXADEC,4 BIT RIPPLE	DIL14C	+5V	125	59MA	50MXMHZ	C010	TII	DM54197J
SN54197W	TTL	CTR	COUNTER,HEXADEC,4 BIT, RIPPLE	FLP14	+5V	125	59MA	50MXMHZ	C010	TII	54197FM
SN54198J	TTL	SRG	SHIFT REGISTER,8 BT,L/R, PIPO	DIL24C	+5V	125	127MA	25MXMHZ	R015	TII	DM54198J
SN54198W	TTL	SRG	SHIFT REGISTER,8 BT,L/R, PIPO	FLP24	+5V	125	127MA	25MXMHZ	R015	TII	54198FM
SN54199J	TTL	SRG	SHIFT REG, 8 BT,JK IP PIPO	DIL24C	+5V	125	127MA	25MXMHZ	R016	TII	DM54199J
SN54199W	TTL	SRG	SHIFT REG, 8 BT,JK IP, PIPO	FLP24	+5V	125	127MA	25MXMHZ	R016	TTL	54199FM
SN54221J	TTL	MON	MONOSTABLE MULTI,SCHMITT, DUAL	DIL16C	+5V	125	80MA	80MXNS	U003	TII	S54221F
SN54221W	TTL	MON	MONOSTABLE MULTI,SCHMITT, DUAL	FLP16	+5V	125	80MA	80MXNS	U003	TII	S54221W
SN54246J	TTL	DSP	DISPLAY DRIVER,BCD-7SGT,30V,OC	DIL16C	+5V	125	103MA	100MXNS	D018	TII	54LS246DM
SN54246W	TTL	DSP	DISPLAY DRIVER,BCD-7SGT,30V,OC	FLP16	+5V	125	103MA	100MXNS	D018	TII	54LS246FM
SN54247J	TTL	DSP	DISPLAY DRIVER,BCD-7SGT,15V,OC	DIL16C	+5V	125	103MA	100MXNS	D018	TII	54LS247DM
SN54247W	TTL	DSP	DISPLAY DRIVER,BCD-7SGT,15V,OC	FLP16	+5V	125	103MA	100MXNS	D018	TII	54LS247FM
SN54248J	TTL	DSP	DISPLAY DRIVER,BCD-7SG,2K,5.5V	DIL16C	+5V	125	90MA	100MXNS	D011	TII	54LS248DM
SN54248W	TTL	DSP	DISPLAY DRIVER,BCD-7SG,2K,5.5V	FLP16	+5V	125	90MA	100MXNS	D011	TII	54LS248FM
SN54249J	TTL	DSP	DISPLAY DRIVER,BCD-7SG,OC,5.5V	DIL16C	+5V	125	90MA	100MXNS	D011	TII	54LS249DM
SN54249W	TTL	DSP	DISPLAY DRIVER,BCD-7SG,OC,5.5V	FLP16	+5V	125	90MA	100MXNS	D011	TII	54LS249FM
SN54251J	TTL	SEL	MUX/DATA SELECTOR,8-1 LINE, 3S	DIL16C	+5V	125	62MA	45MXNS	M007	TII	DM54251J
SN54251W	TTL	SEL	MUX/DATA SELECTOR,8-1 LINE, 3S	FLP16	+5V	125	62MA	45MXNS	M007	TII	DM54251W
SN54259J	TTL	LCH	LATCH,ADDRESSABLE,8 BIT,RESET	DIL16C	+5V	125	90MA	28MXNS	L004	TII	54LS259DM
SN54259W	TTL	LCH	LATCH,ADDRESSABLE,8 BIT,RESET	FLP16	+5V	125	90MA	28MXNS	L004	TII	54LS259FM
SN54265J	TTL	NAN	NANDX2+INVERTERX2,COMPLTRY OPS	DIL16C	+5V	125	34MA	18MXNS	N019	TII	-
SN54265W	TTL	NAN	NANDX2+INVERTERX2,COMPLTRY OPS	FLP16	+5V	125	34MA	18MXNS	N019	TII	-
SN54273J	TTL	FFD	FF/D, COMMON R/CK, OCTAL	DIL20C	+5V	125	94MA	30MXMHZ	R017	TII	54LS273DM
SN54276J	TTL	FFJ	FF/JK,-ET,COMM R/S,SEP CK,QUAD	DIL20C	+5V	125	81MA	35MXMHZ	F049	TII	-
SN54278J	TTL	XXX	REGISTER,PRIORITY,4 BT,CASCDBL	DIL14C	+5V	125	80MA	46MXNS	R038	TII	-
SN54278W	TTL	XXX	REGISTER,PRIORITY,4 BT,CASCDBL	FLP14	+5V	125	80MA	46MXNS	R038	TII	-
SN54279J	TTL	FFR	FF/RS, LATCH, QUAD	DIL16C	+5V	125	30MA	27MXNS	L005	TII	54279DM
SN54279W	TTL	FFR	FF/RS, LATCH, QUAD	FLP16	+5V	125	30MA	27MXNS	L005	TII	54279FM
SN54283J	TTL	ADD	ADDER,FULL,4 BT,BIN,FAST CARRY	DIL16C	+5V	125	99MA	24MXNS	Z013	TII	54283DM
SN54283W	TTL	ADD	ADDER,FULL,4 BT,BIN,FAST CARRY	FLP16	+5V	125	99MA	24MXNS	Z013	TII	54283FM
SN54284J	TTL	MLT	MULTIPLIER,4X4 BT,BINARY,CCT 1	DIL16C	+5V	125	110MA	60MXNS	Z036	TII	DM54284J

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAK ER	SUBSTITUTE
SN54284W	TTL	MLT	MULTIPLIER,4X4 BT,BINARY,CCT 1	FLP16	+5V	125	110MA	60MXNS	Z036	TII	-
SN54285J	TTL	MLT	MULTIPLIER,4X4 BT,BINARY,CCT 2	DIL16C	+5V	125	110MA	60MXNS	Z037	TII	DM54285J
SN54285W	TTL	MLT	MULTIPLIER,4X4 BT,BINARY,CCT 2	FLP16	+5V	125	110MA	60MXNS	Z037	TII	-
SN54289J	TTL	MEM	RAM, 64=16X4 BIT,OC INV OP	DIL16C	+5V	125	-	-	S001	TII	54LS289DM
SN54289W	TTL	MEM	RAM, 64=16X4 BIT,OC IN OP	FLP16	+5V	125	-	-	S001	TII	54LS289FM
SN54290J	TTL	CTR	COUNTER,DECADE,2X5 DIV, RIPPLE	DIL14C	+5V	125	42MA	16MXMHZ	C011	TII	54290DM
SN54290W	TTL	CTR	COUNTER,DECADE,2X5 DIV, RIPPLE	FLP14	+5V	125	42MA	16MXMHZ	C011	TII	54290FM
SN54293J	TTL	CTR	COUNTER,4 BIT,2X8 DIV RIPPLE	DIL14C	+5V	125	39MA	16MXMHZ	C012	TII	54293DM
SN54293W	TTL	CTR	COUNTER,4 BIT,2X8 DIV RIPPLE	FLP14	+5V	125	39MA	16MXMHZ	C012	TII	54293FM
SN54298J	TTL	MUX	MUX,2 IP,LATCH,INV CLOCK QUAD	DIL16C	+5V	125	65MA	32MXNS	R019	TII	54298DM
SN54298W	TTL	MUX	MUX,2 IP,LATCH,INV CLOCK, QUAD	FLP16	+5V	125	65MA	32MXNS	R019	TII	54298FM
SN54365AJ	TTL	LND	LINE DRIVER, 3S NON INV OP,HEX	DIL16C	+5V	125	85MA	37MXNS	B007	TII	54LS365ADM
SN54365AW	TTL	LND	LINE DRIVER, 3S NON INV OP,HEX	FLP16	+5V	125	85MA	37MXNS	B007	TII	54LS365ADM
SN54366AJ	TTL	LND	LINE DRIVER 3S INV OP, HEX	DIL16C	+5V	125	77MA	37MXNS	B008	TII	54LS366ADM
SN54366AW	TTL	LND	LINE DRIVER, 3S INV OP, HEX	FLP16	+5V	125	77MA	37MXNS	B008	TII	54LS366AFM
SN54367AJ	TTL	LND	LINE DRIVER, 3S 2 ENABLE HEX	DIL16C	+5V	125	85MA	37MXNS	B014	TII	54LS367ADM
SN54367AW	TTL	LND	LINE DRIVER, 3S,2 ENABLE, HEX	FLP16	+5V	125	85MA	37MXNS	B014	TII	54LS367AFM
SN54368AJ	TTL	LND	LINE DRIVER, 3S,2 EN,INV, HEX	DIL16C	+5V	125	77MA	37MXNS	B009	TII	54LS368ADM
SN54368AW	TTL	LND	LINE DRIVER, 3S, 2 EN,INV HEX	FLP16	+5V	125	77MA	37MXNS	B009	TII	54LS368AFM
SN54376J	TTL	FFJ	FF/JK,EDGE TRIG,SCHMT CLK,QUAD	DIL16C	+5V	125	74MA	30MXMHZ	F050	TII	-
SN54376W	TTL	FFJ	FF/JK,EDGE TRIG,SCHMT CLK,QUAD	FLP16	+5V	125	74MA	30MXMHZ	F050	TII	-
SN54390J	TTL	CTR	COUNTER,DECADE,2X5 DIV,UP,DUAL	DIL16C	+5V	125	69MA	20MXMHZ	C013	TII	54LS390DM
SN54390W	TTL	CTR	COUNTER,DECADE,2X5 DIV,UP,DUAL	FLP16	+5V	125	69MA	20MXMHZ	C013	TII	54LS390FM
SN54393J	TTL	CTR	COUNTER,BINARY,2X8 DIV,UP,DUAL	DIL14C	+5V	125	64MA	25MXMHZ	C014	TII	54LS393DM
SN54393W	TTL	CTR	COUNTER,BINARY,2X8 DIV,UP,DUAL	FLP14	+5V	125	64MA	25MXMHZ	C014	TII	54LS393FM
SN54425J	TTL	LND	LINE DRIVER,3S OP,HI EN, QUAD	DIL14C	+5V	125	54MA	25MXNS	B002	TII	-
SN54425W	TTL	LND	LINE DRIVER,3S OP,HI EN, QUAD	FLP14	+5V	125	54MA	25MXNS	B002	TII	-
SN54426J	TTL	LND	LINE DRIVER,3S OP,LO EN, QUAD	DIL14C	+5V	125	62MA	25MXNS	B003	TII	-
SN54426W	TTL	LND	LINE DRIVER,3S OP,LO EN, QUAD	FLP14	+5V	125	62MA	25MXNS	B003	TII	-
SN54490J	TTL	CTR	COUNTER,4 BT,DECAD,RIPPLE,DUAL	DIL16C	+5V	125	70MA	25MXMHZ	C015	TII	54LS490DM
SN54490W	TTL	CTR	COUNTER,4 BT,DECAD,RIPPLE,DUAL	FLP16	+5V	125	70MA	25MXMHZ	C015	TII	54LS490FM
SN55000 SER	TTL	VAR	125C MIL VRSN OF SN75000 SER.	-	+5V	125	-	-	-	TII	DS55000 SER
		1ST	SUFFIX: J=DIC, W=FLP								
SN74100J	TTL	FFD	FF/D,BISTABLE LATCH, 4BT, DUAL	DIL24C	+5V	70C	106MA	30MXNS	L016	TII	N74100F
SN74100N	TTL	FFD	FF/D,BISTABLE LATCH, 4BT, DUAL	DIL24P	+5V	70C	106MA	30MXNS	L016	TII	N74100N
SN74104J	TTL	FFJ	FF/JK,M-S,S/R/CK,A GTD, J/K HI	DIL14C	+5V	70C	40MA	25MXNS	F032	TII	-
SN74104N	TTL	FFJ	FF/JK,M-S,S/R/CK,A GTD, J/K HI	DIL14P	+5V	70C	40MA	25MXNS	F032	TII	-
SN74105J	TTL	FFJ	FF/JK,M-S,S/R/CK,A GTD, J/K HI	DIL14C	+5V	70C	40MA	25MXNS	F033	TII	-
SN74105N	TTL	FFJ	FF/JK,M-S,S/R/CK,A GTD, J/K HI	DIL14P	+5V	70C	40MA	25MXNS	F033	TII	-
SN74107J	TTL	FFJ	FF/JK, M-S, SEP R/CK DUAL	DIL14C	+5V	70C	40MA	15MXMHZ	F019	TII	DM74107J
SN74107N	TTL	FFJ	FF/JK, M-S, SEP R/CK, DUAL	DIL14P	+5V	70C	40MA	15MXMHZ	F019	TII	DM74107N
SN74109J	TTL	FFJ	FF/J(-K), +ET,SEP S/R/CK, DUAL	DIL16C	+5V	70C	30MA	25MXMHZ	F021	TII	DM74109J
SN74109N	TTL	FFJ	FF/J(-K), +ET,SEP S/R/CK, DUAL	DIL16P	+5V	70C	30MA	25MXMHZ	F021	TII	DM74109N
SN74110J	TTL	FFJ	FF/JK, M-S,DATA LOCKOUT,A GTD	DIL14C	+5V	70C	34MA	20MXMHZ	F005	TII	-
SN74110N	TTL	FFJ	FF/JK, M-S,DATA LOCKOUT,A GTD	DIL14P	+5V	70C	34MA	20MXMHZ	F005	TII	-
SN74111J	TTL	FFJ	FF/JK, M-S, DATA LOCKOUT, DUAL	DIL16C	+5V	70C	21MA	20MXMHZ	F045	TII	-
SN74111N	TTL	FFJ	FF/JK, M-S, DATA LOCKOUT, DUAL	DIL16P	+5V	70C	21MA	20MXMHZ	F045	TII	-
SN74115J	TTL	FFJ	FF/JK, MASTER-SLAVE, DUAL	DIL14C	+5V	70C	280MW	30MXNS	F046	TII	-
SN74115N	TTL	FFJ	FF/JK, MASTER-SLAVE, DUAL	DIL14C	+5V	70C	280MW	30MXNS	F046	TII	-
SN74116J	TTL	LCH	LATCH, TRANSPT,4BT,SEP R, DUAL	DIL24C	+5V	70C	100MA	30MXNS	L011	TII	N74116F
SN74116N	TTL	LCH	LATCH, TRANSPT,4BT,SEP R, DUAL	DIL24P	+5V	70C	100MA	30MXNS	L011	TII	N74116N
SN74118J	TTL	FFR	FF/RS, LATCH, 6 BIT, COMMON R	DIL16C	+5V	70C	300MW	29MXNS	F047	TII	-
SN74118N	TTL	FFR	FF/RS, LATCH, 6 BIT, COMMON R	DIL16P	+5V	70C	300MW	29MXNS	F047	TII	-
SN74119J	TTL	FFR	FF/RS, LATCH, 6BT, COMM+SEP R	DIL24C	+5V	70C	300MW	29MXNS	F048	TII	-
SN74119N	TTL	FFR	FF/RS, LATCH, 6BT, COMM+SEP R	DIL24P	+5V	70C	300MW	29MXNS	F048	TII	-
SN74120J	TTL	SYN	SYNCHRONIZER/DRIVER,PULSE,DUAL	DIL16C	+5V	70C	90MA	25MXNS	Z029	TII	-
SN74120N	TTL	SYN	SYNCHRONIZER/DRIVER,PULSE,DUAL	DIL16P	+5V	70C	90MA	25MXNS	Z029	TII	-
SN74121J	TTL	MON	MONOSTABLE MULTI, SCHMITT TRIG	DIL14C	+5V	70C	40MA	-	U001	TII	DM74121J
SN74121N	TTL	MON	MONOSTABLE MULTI, SCHMITT TRIG	DIL14P	+5V	70C	40MA	-	U001	TII	DM74121N
SN74122J	TTL	MON	MONOSTABLE,MULTI,RETRIG,WITH R	DIL14C	+5V	70C	28MA	-	U002	TII	74122DC
SN74122N	TTL	MON	MONOSTABLE,MULTI,RETRIG,WITH R	DIL14P	+5V	70C	28MA	-	U002	TII	74122PC
SN74123J	TTL	MON	MONOSTABLE,MULTI,RETRIG, DUAL	DIL16C	+5V	70C	66MA	-	U003	TII	DM74123J
SN74123N	TTL	MON	MONOSTABLE,MULTI,RETRIG, DUAL	DIL16P	+5V	70C	66MA	-	U003	TII	DM74123N
SN74125J	TTL	LND	LINE DRIVER, 3S OP,LO EN, QUAD	DIL14C	+5V	70C	54MA	18MXNS	B002	TII	DM74125J
SN74125N	TTL	LND	LINE DRIVER, 3S OP,LO EN, QUAD	DIL14P	+5V	70C	54MA	18MXNS	B002	TII	DM74125N
SN74126J	TTL	LND	LINE DRIVER, 3S OP,HI EN, QUAD	DIL14C	+5V	70C	62MA	18MXNS	B003	TII	DM74126J
SN74126N	TTL	LND	LINE DRIVER, 3S OP,HI EN, QUAD	DIL14P	+5V	70C	62MA	18MXNS	B003	TII	DM74126N
SN74128J	TTL	LND	LINE DRVR, 2IP NOR,75 OHM,QUAD	DIL14C	+5V	70C	57MA	18MXNS	Q001	TII	N74128F
SN74128N	TTL	LND	LINE DRVR, 2IP NOR,75 OHM,QUAD	DIL14P	+5V	70C	57MA	18MXNS	Q001	TII	N74128N
SN74132J	TTL	SCH	NAND, 2IP,SCHMITT, QUAD	DIL14C	+5V	70C	40MA	22MXNS	N001	TII	DM74132J
SN74132N	TTL	SCH	NAND, 2IP,SCHMITT, QUAD	DIL14P	+5V	70C	40MA	22MXNS	N001	TII	DM74132N
SN74136J	TTL	XOR	EXCLUSIVE OR, OC OP, QUAD	DIL14C	+5V	70C	50MA	55MXNS	X001	TII	74LS136DC
SN74136N	TTL	XOR	EXCLUSIVE OR, OC OP, QUAD	DIL14P	+5V	70C	50MA	55MXNS	X001	TII	74LS136PC
SN74141J	TTL	DSP	DISPLAY DRVR,60V,BCD-DEC,NIXIE	DIL16C	+5V	70C	25MA	-	D008	TII	DM74141J
SN74141N	TTL	DSP	DISPLAY DRVR,60V,BCD-DEC,NIXIE	DIL16P	+5V	70C	25MA	-	D008	TII	DM74141N

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
SN74142J	TTL	DSP	DISPLAY DRVR,60V,COUNTER,LATCH	DIL16C	+5V	70C	102MA	20MXMHZ	D019	TII	-
SN74142N	TTL	DSP	DISPLAY DRVR,60V,COUNTER,LATCH	DIL16P	+5V	70C	102MA	20MXMHZ	D019	TII	-
SN74143J	TTL	DSP	DRIVER,LED,7-SGMT,5V,CNTR,LTCH	DIL24C	+5V	70C	93MA	12MXMHZ	D020	TII	-
SN74143N	TTL	DSP	DRIVER,LED,7-SGMT,5V,CNTR,LTCH	DIL24P	+5V	70C	93MA	12MXMHZ	D020	TII	-
SN74144J	TTL	DSP	DRIVER,LAMP,7-SGT,15V,CTR,LTCH	DIL24C	+5V	70C	93MA	12MXMHZ	D020	TII	-
SN74144N	TTL	DSP	DRIVER,LAMP,7-SGT,15V,CTR,LTCH	DIL24P	+5V	70C	93MA	12MXMHZ	D020	TII	-
SN74145J	TTL	DVR	DRIVER,80MA, BCD-DEC DECODR,OC	DIL16C	+5V	70C	70MA	50MXNS	D001	TII	DM74145J
SN74145N	TTL	DVR	DRIVER,80MA, BCD-DEC DECODR,OC	DIL16P	+5V	70C	70MA	50MXNS	D001	TII	DM74145N
SN74147J	TTL	ENC	ENCODER, PRIORITY,10-TO-4 LINE	DIL16C	+5V	70C	70MA	19MXNS	M017	TII	DM74147J
SN74147N	TTL	ENC	ENCODER, PRIORITY,10-TO-4 LINE	DIL16P	+5V	70C	70MA	19MXNS	M017	TII	DM74147N
SN74148J	TTL	ENC	ENCODER, PRIORITY,8-TO-3 LINE	DIL16C	+5V	70C	60MA	30MXNS	M015	TII	N74148F
SN74148N	TTL	ENC	ENCODER, PRIORITY,8-TO-3 LINE	DIL16P	+5V	70C	60MA	30MXNS	M015	TII	N74148N
SN74150J	TTL	MUX	MUX/DATA SELECTOR,16-TO-1 LINE	DIL24C	+5V	70C	68MA	35MXNS	M001	TII	DM74150J
SN74150N	TTL	MUX	MUX/DATA SELECTOR,16-TO-1 LINE	DIL24P	+5V	70C	68MA	35MXNS	M001	TII	DM74150N
SN74151AJ	TTL	MUX	MUX/DATA SELECTOR, 8-TO-1 LINE	DIL16C	+5V	70C	48MA	35MXNS	M002	TII	74151ADC
SN74151AN	TTL	MUX	MUX/DATA SELECTOR, 8-TO-1 LINE	DIL16P	+5V	70C	48MA	35MXNS	M002	TII	74151APC
SN74153J	TTL	MUX	MUX/DATA SELECTOR,4-1 LIN,DUAL	DIL16C	+5V	70C	60MA	34MXNS	M004	TII	DM74153J
SN74153N	TTL	MUX	MUX/DATA SELECTOR,4-1 LIN,DUAL	DIL16P	+5V	70C	60MA	34MXNS	M004	TII	DM74153N
SN74154J	TTL	DCD	DECODER/DEMUX, 4-TO-16 LINE	DIL24C	+5V	70C	56MA	31MXNS	D009	TII	DM74154J
SN74154N	TTL	DCD	DECODER/DEMUX, 4-TO-16 LINE	DIL24P	+5V	70C	56MA	31MXNS	D009	TII	DM74154N
SN74155J	TTL	DCD	DECODER/DEMUX,2-TO-4 LINE,DUAL	DIL16C	+5V	70C	40MA	32MXNS	D010	TII	DM74155J
SN74155N	TTL	DCD	DECODER/DEMUX,2-TO-4 LINE,DUAL	DIL16P	+5V	70C	40MA	32MXNS	D010	TII	DM74155N
SN74156J	TTL	DCD	DECODER/DEMUX,2-4 LINE,OC,DUAL	DIL16C	+5V	70C	40MA	34MXNS	D010	TII	DM74156J
SN74156N	TTL	DCD	DECODER/DEMUX,2-4 LINE,OC,DUAL	DIL16P	+5V	70C	40MA	34MXNS	D010	TII	DM74156N
SN74157J	TTL	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	DIL16C	+5V	70C	48MA	27MXNS	M005	TII	DM74157J
SN74157N	TTL	MUX	MUX/DATA SELECTOR, 2-1 LN,QUAD	DIL16P	+5V	70C	48MA	27MXNS	M005	TII	DM74157N
SN74159J	TTL	DCD	DECODER/DEMUX,4-16 LINE,OC OP	DIL24C	+5V	70C	56MA	36MXNS	D021	TII	N74159F
SN74159N	TTL	DCD	DECODER/DEMUX,4-16 LINE,OC OP	DIL24P	+5V	70C	56MA	36MXNS	D021	TII	N74159N
SN74160J	TTL	CTR	COUNTER,DEC,4 BIT, SYNC,DRCT R	DIL16C	+5V	70C	101MA	25MXMHZ	C004	TII	74160DC
SN74160N	TTL	CTR	COUNTER,DEC,4 BIT, SYNC,DRCT R	DIL16P	+5V	70C	101MA	25MXMHZ	C004	TII	74160PC
SN74162J	TTL	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	DIL16C	+5V	70C	101MA	25MXMHZ	C005	TII	74162DC
SN74162N	TTL	CTR	COUNTER, DEC,4 BIT,SYNC,SYNC R	DIL16P	+5V	70C	101MA	25MXMHZ	C005	TII	74162PC
SN74163J	TTL	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	DIL16C	+5V	70C	101MA	25MXMHZ	C005	TII	DM74163AJ
SN74163N	TTL	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	DIL16P	+5V	70C	101MA	25MXMHZ	C005	TII	DM74163AN
SN74164J	TTL	SRG	SHIFT REGISTER, 8 BIT, SIPO	DIL14C	+5V	70C	54MA	25MXMHZ	R006	TII	DM74164J
SN74164N	TTL	SRG	SHIFT REGISTER, 8 BIT, SIPO	DIL14P	+5V	70C	54MA	25MXMHZ	R006	TII	DM74164N
SN74165J	TTL	SRG	SHIFT REGISTER, 8 BIT, PISO	DIL16C	+5V	70C	63MA	20MXMHZ	R007	TII	DM74165J
SN74165N	TTL	SRG	SHIFT REGISTER, 8 BIT, PISO	DIL16P	+5V	70C	63MA	20MXMHZ	R007	TII	DM74165N
SN74166J	TTL	SRG	SHIFT REGISTER,8 BIT,PISO/SIPO	DIL16C	+5V	70C	127MA	25MXMHZ	R008	TII	DM74166J
SN74166N	TTL	SRG	SHIFT REGISTER,8 BIT,PISO/SIPO	DIL16P	+5V	70C	127MA	25MXMHZ	R008	TII	DM74166N
SN74167J	TTL	MLT	RATE MULTIPLIER,4 BIT,DEC,SYNC	DIL16C	+5V	70C	99MA	25MXMHZ	Z008	TII	74167DC
SN74167N	TTL	MLT	RATE MULTIPLIER,4 BIT,DEC,SYNC	DIL16P	+5V	70C	99MA	25MXMHZ	Z008	TII	74167PC
SN74170J	TTL	MEM	RAM, SIM READ/WRITE,4X4 BIT,OC	DIL16C	+5V	70C	150MA	45MXNS	R009	TII	DM74170J
SN74170N	TTL	MEM	RAM, SIM READ/WRITE,4X4 BIT,OC	DIL16P	+5V	70C	150MA	45MXNS	R009	TII	DM74170N
SN74172J	TTL	MEM	RAM, SIM READ/WRITE,8X2 BIT,3S	DIL24C	+5V	70C	170MA	20MXMHZ	R037	TII	N74172F
SN74172N	TTL	MEM	RAM, SIM READ/WRITE,8X2 BIT,3S	DIL24P	+5V	70C	170MA	20MXMHZ	R037	TII	N74172N
SN74173J	TTL	FFD	FF/D,LATCH,BUFF REG,4 BT,3S OP	DIL16C	+5V	70C	72MA	25MXMHZ	R010	TII	DM74173J
SN74173N	TTL	FFD	FF/D,LATCH,BUFF REG,4 BT,3S OP	DIL16P	+5V	70C	72MA	25MXMHZ	R010	TII	DM74173N
SN74174J	TTL	FFD	FF/D, EDGE TRIG,COMM R/CK, HEX	DIL16C	+5V	70C	65MA	25MXMHZ	F025	TII	DM74174J
SN74174N	TTL	FFD	FF/D, EDGE TRIG,COMM R/CK, HEX	DIL16P	+5V	70C	65MA	25MXMHZ	F025	TII	DM74174N
SN74175J	TTL	FFD	FF/D, ET,COM R/CK,COMP OP,QUAD	DIL16C	+5V	70C	45MA	25MXMHZ	F026	TII	DM74175J
SN74175N	TTL	FFD	FF/D, ET,COM R/CK,COMP OP,QUAD	DIL16P	+5V	70C	45MA	25MXMHZ	F026	TII	DM74175N
SN74176J	TTL	CTR	COUNTER,DEC,2X5 DIV,PROG,LATCH	DIL14C	+5V	70C	48MA	35MXMHZ	C007	TII	DM74176J
SN74176N	TTL	CTR	COUNTER,DEC,2X5 DIV,PROG,LATCH	DIL14P	+5V	70C	48MA	35MXMHZ	C007	TII	DM74176N
SN74177J	TTL	CTR	COUNTER,HEX,2X8 DIV,PROG,LATCH	DIL14C	+5V	70C	48MA	35MXMHZ	C007	TII	DM74177J
SN74177N	TTL	CTR	COUNTER;HEX,2X8 DIV,PROG,LATCH	DIL14P	+5V	70C	48MA	35MXMHZ	C007	TII	DM74177N
SN74178J	TTL	SRG	SHIFT REG, L/R,4 BIT,1 OP,PIPO	DIL14C	+5V	70C	75MA	25MXMHZ	R011	TII	74178DC
SN74178N	TTL	SRG	SHIFT REG, L/R,4 BIT,1 OP,PIPO	DIL14P	+5V	70C	75MA	25MXMHZ	R011	TII	74178PC
SN74179J	TTL	SRG	SHIFT REG,L/R,4 BT,CMP OP,PIPO	DIL16C	+5V	70C	75MA	25MXMHZ	R012	TII	74179DC
SN74179N	TTL	SRG	SHIFT REG,L/R,4 BT,CMP OP,PIPO	DIL16P	+5V	70C	75MA	25MXMHZ	R012	TII	74197DC
SN74180J	TTL	PAR	PARITY BIT GEN/CHECKER,9 BIT	DIL14C	+5V	70C	56MA	68MXNS	Z009	TII	DM74180J
SN74180N	TTL	PAR	PARITY BIT GEN/CHECKER,9 BIT	DIL14P	+5V	70C	56MA	68MXNS	Z009	TII	DM74180N
SN74181J	TTL	ARI	ALU/FUNCTION-GENERATOR,4 BIT	DIL24C	+5V	70C	37MA	38MXNS	Z010	TII	DM74181J
SN74181N	TTL	ARI	ALU/FUNCTION-GENERATOR,4 BIT	DIL24P	+5V	70C	37MA	38MXNS	Z010	TII	DM74181N
SN74182J	TTL	LAC	LOOK AHEAD CARRY GENERATOR,4BT	DIL16C	+5V	70C	72MA	11MXNS	Z018	TII	N74182F
SN74182N	TTL	LAC	LOOK AHEAD CARRY GENERATOR,4BT	DIL16P	+5V	70C	72MA	11MXNS	Z018	TII	N74182N
SN74184J	TTL	CVR	CONVERTER,BCD TO BINARY,6BT,OC	DIL16C	+5V	70C	99MA	40MXNS	K001	TII	DM74184J
SN74184N	TTL	CVR	CONVERTER,BCD TO BINARY,6BT,OC	DIL16P	+5V	70C	99MA	40MXNS	K001	TII	DM74184N
SN74185AJ	TTL	CVR	CONVERTER,BINARY TO BCD,6BT,OC	DIL16C	+5V	70C	99MA	40MXNS	K001	TII	DM74185AJ
SN74185AN	TTL	CVR	CONVERTER,BINARY TO BCD,6BT,OC	DIL16P	+5V	70C	99MA	40MXNS	K001	TII	DM74185AN
SN74186J	TTL	MEM	PROM,512=64X8 BIT,OC OP,FUZBLE	DIL24C	+5V	70C	-	-	S005	TII	-
SN74186N	TTL	MEM	PROM,512=64X8 BIT,OC OP,FUZBLE	DIL24P	+5V	70C	-	-	S005	TII	-
SN74187J	TTL	MEM	ROM,1K=256X4 BT,OC OP,MASKABLE	DIL16C	+5V	70C	110MA	60MXNS	S006	TII	DM74187J
SN74187N	TTL	MEM	ROM,1K=256X4 BT,OC OP,MASKABLE	DIL16P	+5V	70C	110MA	60MXNS	S006	TII	DM74187N
SN74188AJ	TTL	MEM	PROM,256=32X8 BT,OC OP,FUZABLE	DIL16C	+5V	70C	-	-	S007	TII	DM74S188J

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAK ER	SUBSTITUTE
SN74188AN	TTL	MEM	PROM,256=32X8 BT,OC OP,FUZABLE	DIL16C	+5V	70C	-	-	S007	TII	DM74S188N
SN74189AJ	TTL	MEM	RAM, 64=16X4 BIT, 3S INV OP	DIL16C	+5V	70C	-	-	S001	TII	-
SN74189AN	TTL	MEM	RAM, 64=16X4 BIT, 3S INV OP	DIL16P	+5V	70C	-	-	S001	TII	-
SN74190J	TTL	CTR	COUNTER,DEC,UP/DWN,SYNC,PRESET	DIL16C	+5V	70C	105MA	20MXMHZ	C008	TII	DM74190J
SN74190N	TTL	CTR	COUNTER,DEC,UP/DWN,SYNC,PRESET	DIL16P	+5V	70C	105MA	20MXMHZ	C008	TII	DM74190N
SN74191J	TTL	CTR	COUNTER, 4 BT HEX, UP/DWN,SYNC	DIL16C	+5V	70C	105MA	20MXMHZ	C008	TII	DM74191J
SN74191N	TTL	CTR	COUNTER, 4 BT HEX, UP/DWN,SYNC	DIL16P	+5V	70C	105MA	20MXMHZ	C008	TII	DM74191N
SN74192J	TTL	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	DIL16C	+5V	70C	102MA	25MXMHZ	C009	TII	DM74192J
SN74192N	TTL	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	DIL16P	+5V	70C	102MA	25MXMHZ	C009	TII	DM74192N
SN74193J	TTL	CTR	COUNTER,HEX,UP/DWN,SYNC,2CK,3S	DIL16C	+5V	70C	102MA	25MXMHZ	C009	TII	DM74193J
SN74193N	TTL	CTR	COUNTER,HEX,UP/DWN,SYNC,2CK,3S	DIL16P	+5V	70C	102MA	25MXMHZ	C009	TII	DM74193N
SN74194J	TTL	CTR	SHIFT REGISTER,4 BIT,L/R, PIPO	DIL16C	+5V	70C	63MA	25MXMHZ	R013	TII	DM74194J
SN74194N	TTL	SRG	SHIFT REGISTER, 4 BIT,L/R,PIPO	DIL16P	+5V	70C	63MA	25MXMHZ	R013	TII	DM74190N
SN74195J	TTL	SRG	SHIFT REGISTER,4 BIT, PIPO	DIL16C	+5V	70C	63MA	25MXMHZ	R014	TII	DM74195J
SN74195N	TTL	SRG	SHIFT REGISTER,4 BIT, PIPO	DIL16P	+5V	70C	63MA	25MXMHZ	R014	TII	DM74195N
SN74196J	TTL	CTR	COUNTER,DEC,BCD/BIQUIN,RIPPLE	DIL14C	+5V	70C	59MA	50MXMHZ	C010	TII	DM74196J
SN74196N	TTL	CTR	COUNTER,DEC,BCD/BIQUIN,RIPPLE	DIL14P	+5V	70C	59MA	50MXMHZ	C010	TII	DM74196N
SN74197J	TTL	CTR	COUNTER,HEXADEC,4 BIT, RIPPLE	DIL14C	+5V	70C	59MA	50MXMHZ	C010	TII	DM74197J
SN74197N	TTL	CTR	COUNTER,HEXADEC,4 BIT, RIPPLE	DIL14P	+5V	70C	59MA	50MXMHZ	C010	TII	DM74197N
SN74198J	TTL	SRG	SHIFT REGISTER,8 BT,L/R, PIPO	DIL24C	+5V	70C	127MA	25MXMHZ	R015	TII	DM74198J
SN74198N	TTL	SRG	SHIFT REGISTER,8 BT,L/R, PIPO	DIL24P	+5V	70C	127MA	25MXMHZ	R015	TII	DM74198N
SN74199J	TTL	SRG	SHIFT REG,8 BT,JK IP, PIPO	DIL24C	+5V	70C	127MA	25MXMHZ	R016	TII	DM74199J
SN74199N	TTL	SRG	SHIFT REG, 8 BT,JK IP, PIPO	DIL24P	+5V	70C	127MA	25MXMHZ	R016	TII	DM74199N
SN74221J	TTL	MON	MONOSTABLE MULTI,SCHMITT, DUAL	DIL16C	+5V	70C	80MA	80MXNS	U003	TII	N74221F
SN74221N	TTL	MON	MONOSTABLE MULTI,SCHMITT, DUAL	DIL16P	+5V	70C	80MA	80MXNS	U003	TII	N74221N
SN74246J	TTL	DSP	DISPLAY DRIVER,BCD-7SGT,30V,OC	DIL13C	+5V	70C	103MA	100MXNS	D018	TII	-
SN74246N	TTL	DSP	DISPLAY DRIVER,BCD-7SGT,30V,OC	DIL16P	+5V	70C	103MA	100MXNS	D018	TII	-
SN74247J	TTL	DSP	DISPLAY DRIVER,BCD-7SGT,15V,OC	DIL16C	+5V	70C	103MA	100MXNS	D018	TII	74LS247DC
SN74247N	TTL	DSP	DISPLAY DRIVER,BCD-7SGT,15V,OC	DIL16P	+5V	70C	103MA	100MXNS	D018	TII	74LS247PC
SN74248J	TTL	DSP	DISPLAY DRIVER,BCD-7SG,2K,5.5V	DIL16C	+5V	70C	90MA	100MXNS	D011	TII	74LS248DC
SN74248N	TTL	DSP	DISPLAY DRIVER,BCD-7SG,2K,5.5V	DIL16C	+5V	70C	90MA	100MXNS	D011	TII	74LS248PC
SN74249J	TTL	DSP	DISPLAY DRIVER,BCD-7SG,OC,5.5V	DIL16C	+5V	70C	90MA	100MXNS	D011	TII	74LS249DC
SN74249N	TTL	DSP	DISPLAY DRIVER,BCD-7SG,OC,5.5V	DIL16P	+5V	70C	90MA	100MXNS	D011	TII	74LS249PC
SN74251J	TTL	SEL	MUX/DATA SELECTOR,8-1 LINE, 3S	DIL16C	+5V	70C	62MA	45MXNS	M007	TII	DM74251J
SN74251N	TTL	SEL	MUX/DATA SELECTOR,8-1 LINE, 3S	DIL16P	+5V	70C	62MA	45MXNS	M007	TII	DM74251N
SN74259J	TTL	LCH	LATCH,ADDRESSABLE,8 BIT,RESET	DIL16C	+5V	70C	90MA	28MXNS	L004	TII	N74259F
SN74259N	TTL	LCH	LATCH,ADDRESSABLE,8 BIT,RESET	DIL16P	+5V	70C	90MA	28MXNS	L004	TII	N74259N
SN74265J	TTL	NAN	NANDX2+INVERTERX2,COMPLTRY OPS	DIL16C	+5V	70C	34MA	18MXNS	N019	TII	-
SN74265N	TTL	NAN	NANDX2+INVERTERX2,COMPLTRY OPS	DIL16P	+5V	70C	34MA	18MXNS	N019	TII	-
SN74273J	TTL	FFD	FF/D, COMMON R/CK, OCTAL	DIL20C	+5V	70C	94MA	30MXMHZ	R017	TII	74LS273DC
SN74273N	TTL	FFD	FF/D, COMMON R/CK, OCTAL	DIL20P	+5V	70C	94MA	30MXMHZ	R017	TII	74LS273PC
SN74276J	TTL	FFJ	FF/JK,-ET,COMM R/S,SEP CK,QUAD	DIL20C	+5V	70C	81MA	35MXMHZ	F049	TII	-
SN74276N	TTL	FFJ	FF/JK,-ET,COMM R/S,SEP CK,QUAD	DIL20P	+5V	70C	81MA	35MXMHZ	F049	TII	-
SN74278J	TTL	XXX	REGISTER,PRIORITY,4 BT,CASCDBL	DIL14C	+5V	70C	80MA	46MXNS	R038	TII	-
SN74278N	TTL	XXX	REGISTER,PRIORITY,4 BT,CASCDBL	DIL14P	+5V	70C	80MA	46MXNS	R038	TII	-
SN74279J	TTL	FFR	FF/RS, LATCH, QUAD	DIL16C	+5V	70C	30MA	27MXNS	L005	TII	74279DC
SN74279N	TTL	FFR	FF/RS, LATCH, QUAD	DIL16P	+5V	70C	30MA	27MXNS	L005	TII	74279PC
SN74283J	TTL	ADD	ADDER,FULL,4 BT,BIN,FAST CARRY	DIL16C	+5V	70C	110MA	24MXNS	Z013	TII	74283DC
SN74283N	TTL	ADD	ADDER,FULL,4 BT,BIN,FAST CARRY	DIL16P	+5V	70C	110MA	24MXNS	Z013	TII	74283PC
SN74284J	TTL	MLT	MULTIPLIER,4X4 BT,BINARY,CCT 1	DIL16C	+5V	70C	130MA	60MXNS	Z036	TII	DM74284J
SN74284N	TTL	MLT	MULTIPLIER,4X4 BT,BINARY,CCT 1	DIL16P	+5V	70C	130MA	60MXNS	Z036	TII	DM74284N
SN74285J	TTL	MLT	MULTIPLIER,4X4 BT,BINARY,CCT 2	DIL16C	+5V	70C	130MA	60MXNS	Z037	TII	DM74285J
SN74285N	TTL	MLT	MULTIPLIER,4X4 BT,BINARY,CCT 2	DIL16P	+5V	70C	130MA	60MXNS	Z037	TII	DM74285N
SN74289J	TTL	MEM	RAM, 64=16X4 BIT,OC INV OP	DIL16C	+5V	70C	-	-	S001	TII	N74289F
SN74289N	TTL	MEM	RAM, 64=16X4 BIT,OC INV OP	DIL16P	+5V	70C	-	-	S001	TII	N74289N
SN74290J	TTL	CTR	COUNTER,DECADE,2X5 DIV, RIPPLE	DIL14C	+5V	70C	42MA	16MXMHZ	C011	TII	74290DC
SN74290N	TTL	CTR	COUNTER,DECADE,2X5 DIV, RIPPLE	DIL14P	+5V	70C	42MA	16MXMHZ	C011	TII	74290PC
SN74293J	TTL	CTR	COUNTER,4 BIT,2X8 DIV, RIPPLE	DIL14C	+5V	70C	39MA	16MXMHZ	C012	TII	74293DC
SN74293N	TTL	CTR	COUNTER,4 BIT,2X8 DIV, RIPPLE	DIL14P	+5V	70C	39MA	16MXMHZ	C012	TII	74293PC
SN74298J	TTL	MUX	MUX,2 IP,LATCH,INV CLOCK, QUAD	DIL16C	+5V	70C	65MA	32MXNS	R019	TII	74298DC
SN74298N	TTL	MUX	MUX,2 IP,LATCH,INV CLOCK, QUAD	DIL16P	+5V	70C	65MA	32MXNS	R019	TII	74298PC
SN74351N	TTL	MUX	MUX/DATA SELECT,8-1 LN,3S,DUAL	DIL20P	+5V	70C	66MA	33MXNS	M020	TII	-
SN74365AJ	TTL	LND	LINE DRIVER, 3S NON INV OP,HEX	DIL16C	+5V	70C	85MA	37MXNS	B007	TII	N74365AF
SN74365AN	TTL	LND	LINE DRIVER, 3S NON INV OP,HEX	DIL16P	+5V	70C	85MA	37MXNS	B007	TII	N74365AN
SN74366AJ	TTL	LND	LINE DRIVER, 3S INV OP, HEX	DIL16C	+5V	70C	77MA	37MXNS	B008	TII	74LS366ADC
SN74366AN	TTL	LND	LINE DRIVER, 3S INV OP, HEX	DIL16P	+5V	70C	77MA	37MXNS	B008	TII	74LS366APC
SN74367AJ	TTL	LND	LINE DRIVER, 3S,2 ENABLE, HEX	DIL16C	+5V	70C	85MA	37MXNS	B014	TII	N74367AF
SN74367AN	TTL	LND	LINE DRIVER, 3S,2 ENABLE, HEX	DIL16P	+5V	70C	85MA	37MXNS	B014	TII	N74367AN
SN74368AJ	TTL	LND	LINE DRIVER, 3S,2 EN,INV, HEX	DIL16C	+5V	70C	77MA	37MXNS	B009	TII	74LS368ADC
SN74368AN	TTL	LND	LINE DRIVER, 3S,2 EN,INV, HEX	DIL16P	+5V	70C	77MA	37MXNS	B009	TII	74LS368APC
SN74376J	TTL	FFJ	FF/JK,EDGE TRIG,SCHMT CLK,QUAD	DIL16C	+5V	70C	74MA	30MXMHZ	F050	TII	-
SN74376N	TTL	FFJ	FF/JK,EDGE TRIG,SCHMT CLK,QUAD	DIL16P	+5V	70C	74MA	30MXMHZ	F050	TII	-
SN74390J	TTL	CTR	COUNTER,DECADE,2X5 DIV,UP,DUAL	DIL16C	+5V	70C	69MA	20MXMHZ	C013	TII	74LS390DC
SN74390N	TTL	CTR	COUNTER,DECADE,2X5 DIV,UP,DUAL	DIL16P	+5V	70C	69MA	20MXMHZ	C013	TII	74LS390PC
SN74393J	TTL	CTR	COUNTER,BINARY,2X8 DIV,UP,DUAL	DIL14C	+5V	70C	64MA	25MXMHZ	C014	TII	74LS393DC

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
SN74393N	TTL	CTR	COUNTER,BINARY,2X8 DIV,UP,DUAL	DIL14P	+5V	70C	64MA	25MXMHZ	C014	TII	74LS393PC
SN74425J	TTL	LND	LINE DRIVER,3S OP,HI EN, QUAD	DIL14C	+5V	70C	54MA	25MXNS	B002	TII	-
SN74425N	TTL	LND	LINE DRIVER,3S OP,HI EN, QUAD	DIL14P	+5V	70C	54MA	25MXNS	B002	TII	-
SN74426J	TTL	LND	LINE DRIVER,3S OP,LO EN, QUAD	DIL14C	+5V	70C	62MA	25MXNS	B003	TII	-
SN74426N	TTL	LND	LINE DRIVER,3S OP,LO EN, QUAD	DIL14P	+5V	70C	62MA	25MXNS	B003	TII	-
SN74490J	TTL	CTR	COUNTER,4 BT,DECAD,RIPPLE,DUAL	DIL16C	+5V	70C	70MA	25MXMHZ	C015	TII	74LS490DC
SN74490N	TTL	CTR	COUNTER,4 BT,DECAD,RIPPLE,DUAL	DIL16P	+5V	85C	70MA	25MXMHZ	C015	TII	74LS490PC
SN75000 SER	TTL	VAR 1ST	70C COMM. VRSN OF SN55000 SER. SUFFIX J=DIC, N=DIP, W=FLP	VAR	+5V	70C	-	-	-	TII	75000 SERIES
SN151800 SER.	DTL	-	TEXAS INST OBS VRSN 1800 SER	-	+5V	-	-	-	-	TII	1800 SERIES
SN151900 SER	DTL	-	TEXAS INST OBS VRSN 1900 SER	-	+5V	-	-	-	-	TII	1800 SERIES
SN158090 SER	DTL	-	TEXAS INST OBS VERSN 8090 SER.	-	+5V	-	-	-	-	TII	9090 SERIES
SN158100 SER	DTL	-	TEXAS INST OBS VRSN 8100 SER	-	+5V	75C	-	-	-	TII	9100 SERIES
SN159090 SER	DTL	-	TEXAS INST OBS VERSN 9090 SER.	-	+5V	-	-	-	-	TII	9090 SERIES
SN159100 SER	DTL	-	TEXAS INST OBS VERSN 9100 SER.	-	+5V	-	-	-	-	TII	-
SNB54S00 SER	STL	-	SN54S00 SER TO BS9000 SPEC.	-	-	125	-	-	-	TII	-
SNB54LS00 SER	LST	-	SN54LS00 SERIES TO BS9000 SPEC	-	-	125	-	-	-	TII	-
SNB54LS00J SR	LST	-	BS9000 APPROVED SN54LS00J SER.	DIL--C	+5V	125	-	-	-	TII	-
SNB54S00J SER	STL	-	BS9000 APPROVED SN54S00J SER	DIL--C	+5V	125	-	-	-	TII	-
SNB5400 SER	TTL	-	SN5400 SERIES TO BS9000 SPEC	-	-	125	-	-	-	TII	-
SNB5400J SER	TTL	-	BS9000 APPROVED SN5400J SERIES	DIL--C	+5V	125	-	-	-	TII	-
SNC54LS00 SER	LST	-	SN54LS00 SER TO USA MIL SPEC.	-	-	125	-	-	-	TII	-
SNC54S00 SER	STL	-	SN54S00 SER TO USA MIL SPEC	-	-	125	-	-	-	TII	-
SNC5400 SER	TTL	-	SN5400 SER TO USA MIL SPEC	-	-	125	-	-	-	TII	-
SNF00J SERIES	TTL	-	HOUSE CODE FOR SF00-2 SUHL SER	DIL14C	-	-	-	-	-	TII	SF00-2 SERIES
SNF00W SERIES	TTL	-	HOUSE CODE FOR SF00-1 SUHL SER	FLP14	-	-	-	-	-	TII	SF00-1 SERIES
SNF000J SER	TTL	-	HOUSE CODE FOR SF000-2 SUHL SR	DIL14C	-	-	-	-	-	TII	SF000-2 SER
SNF000W SER	TTL	-	HOUSE CODE FOR SF000-1 SUHL SR	FLP14	-	-	-	-	-	TII	SF000-1 SER
SNG00J SERIES	TTL	-	HOUSE CODE FOR SG00-2 SUHL SER	DIL14C	-	-	-	-	-	TII	SG00-2 SERIES
SNG00W SERIES	TTL	-	HOUSE CODE FOR SG00-1 SUHL SER	FLP14	-	-	-	-	-	TII	SG00-1 SERIES
SNG000J SER.	TTL	-	HOUSE CODE FOR SG000-2 SUHL SR	DIL14C	-	-	-	-	-	TII	SG000-2 SER
SNG000W SER	TTL	-	HOUSE CODE FOR SG000-1 SUHL SR	FLP14	-	-	-	-	-	TII	SG000-1
SP1000 SERIES	ECL	-	SIGNETICS VRSN OF 1000 ECL SER	-	-5.2V	75C	-	-	-	PLS	MC1000 SERIES
SP1200 SERIES	ECL	-	125C MIL VRSN OF 75C SP1000 SR	-	-5.2V	125	-	-	-	PLS	MC1200 SERIES
SP1600 SERIES	ECL	-	PLESSEY VERSN OF MC1600 SERIES	-	-5.2V	75C	-	-	-	PLS	MC1600 SERIES
SP1600DG SER	ECL	-	CER DIL VERSN OF SP1600 SERIES	DIL--C	-5.2V	75C	-	-	-	PLS	MC1600L SER
SP1600DP SER	ECL	-	PLAS DIL VRSN OF SP1600 SERIES	DIL14P	-5.2V	75C	-	-	-	PLS	MC1600P SER
SP8600 SERIES	ECL	CTR	PLESSEY FAMILY HI SPD DIVIDERS	-	-5.2V	VAR	-	-		PLS	-
SP8600A SER	ECL	CTR	125C VERSION OF SP8600 SERIES	-	-5.2V	125	-	-	-	PLS	-
SP8600B SER.	ECL	CTR	70C VERSION OF SP8600 SERIES	-	-5.2V	70C	-	-	-	PLS	-
SP8600M SER	ECL	CTR	85C VERSION OF SP8600 SERIES.	-	-5.2V	85C	-	-	-	PLS	-
SP8700 SERIES	ECL	CTR	CONTINUATION OF SP8600 SERIES	-	-5.2V	-	-	-	-	PLS	-
SP8700A SER.	ECL	CTR	125C VERSION OF SP8700 SERIES	-	-5.2V	125	-	-	-	PLS	-
SP8700B SER	ECL	CTR	70C VERSION OF SP8700 SERIES	-	-5.2V	70C	-	-	-	PLS	-
SP8700M SER.	ECL	CTR	85C VERSION OF SP8700 SERIES	-	-5.2V	85C	-	-	-	PLS	-
SP8601	ECL	CTR	COUNTER, 150MHZ DIVIDE BY 4	TO5/8	-5.2V	VAR	25MA	150MXMHZ	Z999	PLS	-
SP8600	ECL	CTR	COUNTER, 250MHZ DIVIDE BY 4	TO5/8	-5.2V	VAR	25MA	250MXMHZ	Z999	PLS	-
SP8602	ECL	CTR	COUNTER, 500MHZ DIVIDE BY 4	TO5/8	-5.2V	VAR	20MA	500MXMHZ	Z999	PLS	-
SP8603	ECL	CTR	COUNTER, 400MHZ DIVIDE BY 2	TO5/8	-5.2V	VAR	20MA	400MXMHZ	-	PLS	-
SP8604	ECL	CTR	COUNTER, 300MHZ DIVIDE BY 2	TO5/8	-5.2V	VAR	20MA	300MXMHZ	-	PLS	-
SP8607	ECL	CTR	COUNTER, 600MHZ DIVIDE BY 2	TO5/8	-5.2V	VAR	18MA	600MXMHZ	-	PLS	-
SP8613	ECL	CTR	COUNTER, 700MHZ DIVIDE BY 4	DIL14C	-7.4V	VAR	60MA	700MXMHZ	Z999	PLS	-
SP8614	ECL	CTR	COUNTER, 800MHZ DIVIDE BY 4	DIL14C	-7.4V	VAR	60MA	800MXMHZ	Z999	PLS	-
SP8615	ECL	CTR	COUNTER, 900MHZ DIVIDE BY 4	DIL14C	-7.4V	VAR	60MA	900MXMHZ	Z999	PLS	-
SP8616	ECL	CTR	COUNTER, 1GHZ DIVIDE BY 4	DIL14C	-7.4V	VAR	60MA	1MXGHZ	Z999	PLS	-
SP8617	ECL	CTR	COUNTER, 1.5GHZ DIVIDE BY 4	DIL14C	-6.8V	VAR	110MA	1.5MXGHZ	Z999	PLS	-
SP8619	ECL	CTR	COUNTER, 1.3GHZ DIVIDE BY 4	DIL14C	-6.8V	VAR	110MA	1.3MXGHZ	Z999	PLS	-
SP8620	ECL	CTR	COUNTER, 400MHZ DIVIDE BY 5	DIL14C	-5.2V	VAR	100MA	400MXMHZ	Z999	PLS	-
SP8621	ECL	CTR	COUNTER, 300MHZ DIVIDE BY 5	DIL14C	-5.2V	VAR	100MA	300MXMHZ	Z999	PLS	-
SP8622	ECL	CTR	COUNTER, 200MHZ DIVIDE BY 5	DIL14C	-5.2V	VAR	100MA	200MXMHZ	Z999	PLS	-
SP8630	ECL	CTR	COUNTER, 600MHZ DIVIDE BY 10	DIL14C	-5.2V	VAR	120MA	600MXMHZ	Z999	PLS	-
SP8631	ECL	CTR	COUNTER, 500MHZ DIVIDE BY 10	DIL14C	-5.2V	VAR	120MA	500MXMHZ	Z999	PLS	-
SP8632	ECL	CTR	COUNTER, 400MHZ DIVIDE BY 10	DIL14C	-5.2V	VAR	120MA	400MXMHZ	Z999	PLS	-
SP8634	ECL	CTR	COUNTER, 700MHZ DIVIDE BY 10	DIL16C	-5.2V	VAR	90MA	700MXMHZ	Z999	PLS	-
SP8635	ECL	CTR	COUNTER, 600MHZ DIVIDE BY 10	DIL16C	-5.2V	VAR	90MA	600MXMHZ	Z999	PLS	-
SP8636	ECL	CTR	COUNTER, 500MHZ DIVIDE BY 10	DIL16C	-5.2V	VAR	90MA	500MXMHZ	Z999	PLS	-
SP8637	ECL	CTR	COUNTER, 400MHZ DIVIDE BY 10	DIL16C	-5.2V	VAR	90MA	400MXMHZ	Z999	PLS	-
SP8640	ECL	CTR	COUNTER, 200MHZ DIV BY 10/11	DIL16C	-5.2V	VAR	65MA	200MXMHZ	Z999	PLS	-
SP8641	ECL	CTR	COUNTER, 250MHZ DIV BY 10/11	DIL16C	-5.2V	VAR	65MA	250MXMHZ	Z999	PLS	-
SP8642	ECL	CTR	COUNTER, 300MHZ DIV BY 10/11	DIL16C	-5.2V	VAR	65MA	300MXMHZ	Z999	PLS	-
SP8643	ECL	CTR	COUNTER, 350MHZ DIV BY 10/11	DIL16C	-5.2V	VAR	65MA	350MXMHZ	Z999	PLS	-
SP8646	ECL	CTR	COUNTER, 200MHZ > 10/11,TTL OP	DIL16C	-5.2V	VAR	65MA	200MXMHZ	Z999	PLS	-
SP8647	ECL	CTR	COUNTER, 250MHZ > 10/11,TTL OP	DIL16C	-5.2V	VAR	65MA	250MXMHZ	Z999	PLS	-
SP8650	ECL	CTR	COUNTER, 600MHZ DIVIDE BY 16	DIL14C	-5.2V	VAR	60MA	600MXMHZ	Z999	PLS	-
SP8651	ECL	CTR	COUNTER, 500MHZ DIVIDE BY 16	DIL14C	-5.2V	VAR	60MA	500MXMHZ	Z999	PLS	-

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAK ER	SUBSTITUTE
SP8652	ECL	CTR	COUNTER, 400MHZ DIVIDE BY 16	DIL14C	-5.2V	VAR	60MA	400MXMHZ	Z999	PLS	-
SP8655	ECL	CTR	COUNTER, 200MHZ DIVIDE BY 32	TO5/8	-5.2V	VAR	13MA	200MXMHZ	Z999	PLS	-
SP8657	ECL	CTR	COUNTER, 200MHZ DIVIDE BY 20	TO5/8	-5.2V	VAR	13MA	200MXMHZ	Z999	PLS	-
SP8659	ECL	CTR	COUNTER, 200MHZ DIVIDE BY 16	TO5/8	-5.2V	VAR	13MA	200MXMHZ	Z999	PLS	-
SP8660	ECL	CTR	COUNTER, 180MHZ >10,LOW POWER	TO5/8	-5V	VAR	13MA	100MXMHZ	Z999	PLS	-
SP8665	ECL	CTR	COUNTER, 1GHZ DIVIDE BY 10	DIL14C	-6.8V	VAR	105MA	1.0MXGHZ	Z999	PLS	-
SP8666	ECL	CTR	COUNTER, 1.1GHZ DIVIDE BY 10	DIL14C	-6.8V	VAR	105MA	1.1MXGHZ	Z999	PLS	-
SP8667	ECL	CTR	COUNTER, 1.2GHZ DIVIDE BY 10	DIL14C	-6.8V	VAR	105MA	1.2MXGHZ	Z999	PLS	-
SP8670	ECL	CTR	COUNTER, 600MHZ DIVIDE BY 8	DIL14C	-5.2V	VAR	60MA	600MXMHZ	Z999	PLS	-
SP8671	ECL	CTR	COUNTER, 500MHZ DIVIDE BY 8	DIL14C	-5.2V	VAR	60MA	500MXMHZ	Z999	PLS	-
SP8672	ECL	CTR	COUNTER, 400MHZ DIVIDE BY 8	DIL14C	-5.2V	VAR	60MA	400MXMHZ	Z999	PLS	-
SP8675	ECL	CTR	COUNTER, 1.0GHZ DIVIDE BY 8	DIL14C	-6.8V	VAR	95MA	1.0MXGHZ	Z999	PLS	-
SP8676	ECL	CTR	COUNTER, 1.1GHZ DIVIDE BY 8	DIL14C	-6.8V	VAR	95MA	1.1MXGHZ	Z999	PLS	-
SP8677	ECL	CTR	COUNTER, 1.2GHZ DIVIDE BY 8	DIL14C	-6.8V	VAR	95MA	1.2MXGHZ	Z999	PLS	-
SP8685	ECL	CTR	COUNTER, 500MHZ DIV BY 10/11	DIL16C	-5.2V	VAR	60MA	500MXMHZ	Z999	PLS	-
SP8690	ECL	CTR	COUNTER, 200MHZ > 10/11, AC	DIL16C	-5.2V	VAR	22MA	200MXMHZ	Z999	PLS	-
SP8695	ECL	CTR	COUNTER, 200MHZ > 10/11, DC	DIL16C	-5.0V	VAR	30MA	200MXMHZ	Z999	PLS	-
SP8735	ECL	CTR	COUNTER, 600MHZ > 8, BINARY OP	DIL16C	-5.2V	VAR	90MA	600MXMHZ	Z999	PLS	-
SP8736	ECL	CTR	COUNTER, 500MHZ > 8, BINARY OP	DIL16C	-5.2V	VAR	90MA	500MXMHZ	Z999	PLS	-
SP8740	ECL	CTR	COUNTER, 300MHZ > 5/6, AC	DIL16C	-5.2V	VAR	60MA	300MXMHZ	Z999	PLS	-
SP8741	ECL	CTR	COUNTER, 300MHZ > 6/7, AC	DIL16C	-5.2V	VAR	60MA	300MXMHZ	Z999	PLS	-
SP8743	ECL	CTR	COUNTER, 500MHZ > 8/9, AC	DIL16C	-5.2V	VAR	60MA	500MXMHZ	Z999	PLS	-
SP8745	ECL	CTR	COUNTER, 300MHZ > 5/6, DC	DIL16C	-5.2V	VAR	65MA	300MXMHZ	Z999	PLS	-
SP8746	ECL	CTR	COUNTER, 300MHZ > 6/7 DC	DIL16C	-5.2V	VAR	65MA	300MXMHZ	Z999	PLS	-
SP8748	ECL	CTR	COUNTER, 300MHZ DIV BY 8/9	DIL16C	-5.2V	VAR	65MA	300MXMHZ	Z999	PLS	-
SP8750	ECL	CTR	COUNTER, 1.0GHZ > 64,PRESCALER	DIL14C	-6.8V	VAR	90MA	1.0MXGHZ	Z999	PLS	-
SP8751	ECL	CTR	COUNTER, 1.1GHZ > 64,PRESCALER	DIL14C	-6.8V	VAR	90MA	1.1MXMHZ	Z999	PLS	-
SP8752	ECL	CTR	COUNTER, 1.2GHZ > 64,PRESCALER	DIL14C	-6.8V	VAR	90MA	1.2MXGHZ	Z999	PLS	-
SP8760	ECL	XXX	SYNTHESISER CIRCUIT, PLL	DIL14C	-5V	VAR	65MA	16MXMHZ	Z999	PLS	-
SP8790	ECL	EXP	EXTENDER FOR 2-MODULUS COUNTER	TO5/8	-5V	VAR	11MA	60MXMHZ	Z999	PLS	-
SP8794	ECL	XXX	CONTROL >8 CCT FOR 2-MOD DIVS	TO5/8	-5V	VAR	-	120MXMHZ	Z999	PLS	-
SP10000 SER	ECL	-	PLESSEY VERSION MC10000 SERIES	-	-5.2V	-	-	-	-	PLS	MC10000 SER
SP10100DG SER	ECL	-	PLESSEY VERSN OF MC10100L SER	DIL--C	-5.2V	85C	-	-	-	PLS	MC10100L SER
SP10100DP	ECL	-	PLESSEY VERSN OF MC10100P SER	DIL--P	-5.2V	85C	-	-	-	PLS	MC10100P SER
STW5400 SER	TTL	-	ALTERN CODES FOR SW5400 SER	-	-	125	-	-	-	SWR	SW5400 SERIES
STW7400 SER	TTL		ALTERN CODES FOR SW7400 SER	-	-	70C	-	-	-	SWR	SW7400 SERIES
SW830 SERIES	DTL	-	STEWART WARNER OBS VRSN 830 SR	-	+5V	-	-	-	-	SWR	930 SERIES
SW930 SERIES	DTL	-	STEWART WARNER OBS VRSN 930 SR	-	+5V	-	-	-	-	SWR	930 SERIES
SW1800 SERIES	DTL	-	STEWART WARNER OBS VRSN 1800 S	-	+5V	-	-	-	-	SWR	1800 SERIES
SW1900 SERIES	DTL	-	STEWART WARNER OBS VRSN 1900 S	-	+5V	-	-	-	-	SWR	1900 SERIES
SW4000 SER	CMS	VAR	STEWART WARNER VRSN CD4000 SER	-	-	VAR	-	-	-	SWR	CD4000 SER
SW5400H SER	TTL	-	HOUSE CODES FOR SN5400W SERIES	FLP---	-	125	-	-	-	SWR	SN5400W SER
SW5400J SER	TTL	-	HOUSE CODES FOR SN5400J SERIES	DIL--C	-	125	-	-	-	SWR	SN5400J SER
SW7400H SER	TTL	-	HOUSE CODES FOR SN7400W SERIES	FLP---	-	70C	-	-	-	SWR	SN7400W SER
SW7400J SER	TTL	-	HOUSE CODES FOR SN7400J SERIES	DIL--C	-	70C	-	-	-	SWR	SN7400J SER
SW7400N SER	TTL	-	HOUSE CODES FOR SN7400N SERIES	DIL--P	-	70C	-	-	-	SWR	SN7400N SER
SWF00F SERIES	TTL	-	HOUSE CODE FOR SF00-1 SUHL SER	FLP14	-	-	-	-	-	SWR	SF00-1 SERIES
SWF00S SERIES	TTL	-	HOUSE CODE FOR SF00-2 SUHL SER	DIL14C	-	-	-	-	-	SWR	SF00-2 SERIES
SWF000F SER	TTL	-	HOUSE CODE FOR SF000-1 SUHL SR	FLP14	-	-	-	-	-	SWR	SF000-1 SER
SWF000S SER	TTL	-	HOUSE CODE FOR SF000-2 SUHL SR	DIL14C	-	-	-	-	-	SWR	SF000-2 SER
SWG00F SERIES	TTL	-	HOUSE CODE FOR SG00-1 SUHL SER	FLP14	-	-	-	-	-	SWR	SG00-1 SERIES
SWG00S SERIES	TTL	-	HOUSE CODE FOR SG00-2 SUHL SER	DIL14C	-	-	-	-	-	SWR	SG00-2 SERIES
SWG000F SER	TTL	-	HOUSE CODE FOR SG000-1 SUHL SR	FLP14	-	-	-	-	-	SWR	SG000-1 SER
SWG000S SER	TTL	-	HOUSE CODES FOR SG000-2 SUHL S	DIL14C	-	-	-	-	-	SWR	SG000-2 SER
T54H00 SERIES	-	-	ALTERN CODES FOR T74H00D2 SER	-	-	-	-	-	-	SGS	SN54H00J SER
T54LS00 SER	LST	-	ALTERN CODES FOR SN54LS00 SER	-	-	125	-	-	-	TRA	SN54LS00 SER
T54LS00D2 SER	LST	-	HOUSE CODES FOR SN54LS00J SER	DIL--C	-	125	-	-	-	SGS	SN54LS00J SER
T54S00 SERIES	STL	-	ALTERN. CODES FOR SN54S00 SER	-	-	125	-	-	-	TRA	SN54S00 SER
T74H00B1 SER	HTL	-	HOUSE CODES FOR SN74H00N SER	DIL--P	-	70C	-	-	-	SGS	SN74H00N SER
T74H00D1 SER	HTL	-	HOUSE CODES FOR SN74H00J SER.	DIL--C	-	70C	-	-	-	SGS	SN74H00J
T74H00D2 SER.	HTL	-	HOUSE CODES FOR SN54H00J SER	DIL--C	-	125	-	-	-	SGS	SN54H00J SER
T74LS00 SER	LST	-	ALTERN CODES FOR SN74LS00 SER	-	-	70C	-	-	-	TRA	SN74LS00 SER
T74LS00B1 SER	LST	-	HOUSE CODES FOR SN 74LS00 SER.	DIL--P	-	-	-	-	-	SGS	SN74LS00N SER
T74LS00D1 SER	LST	-	HOUSE CODES FOR SN74LS00J SER	DIL--C	-	75C	-	-	-	SGS	SN74LS00J SER
T74S00 SERIES	STL	-	ALTERN CODES FOR SN74S00 SER.	-	-	70C	-	-	-	TRA	SN74S00 SER
T102B1	TTL	-	HOUSE CODE FOR SN7400N	DIL--P	-	70C	-	-	-	SGS	SN7400N
T102D1	TTL	-	HOUSE CODE FOR SN7400J	DIL--C	-	70C	-	-	-	SGS	SN7400J
T102D2	TTL	-	HOUSE CODE FOR SN5400J	DIL--C	-	125	-	-	-	SGS	SN5400J
T102F1	TTL	-	HOUSE CODE FOR SN7400W	FLP---	-	70C	-	-	-	SGS	SN7400W
T102F2	TTL	-	HOUSE CODE FOR SN5400W	FLP---	-	125	-	-	-	SGS	SN5400W
T103B1	TTL	-	HOUSE CODE FOR SN7410N	DIL--P	-	70C	-	-	-	SGS	SN7410N
T103D1	TTL	-	HOUSE CODE FOR SN7410J	DIL--C	-	70C	-	-	-	SGS	SN7410J
T103D2	TTL	-	HOUSE CODE FOR SN5410J	DIL--C	-	125	-	-	-	SGS	SN5410J
T103F1	TTL	-	HOUSE CODE FOR SN7410W	FLP---	-	70C	-	-	-	SGS	SN7410W
T103F2	TTL	-	HOUSE CODE FOR SN5410W	FLP---	-	125	-	-	-	SGS	SN5410W

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
T104B1	TTL	-	HOUSE CODE FOR SN7420N	DIL--P	-	70C	-	-	-	SGS	SN7420N
T104D1	TTL	-	HOUSE CODE FOR SN7420C	DIL--C	-	70C	-	-	-	SGS	SN7420C
T104D2	TTL	-	HOUSE CODE FOR SN5420J	DIL--C	-	125	-	-	-	SGS	SN5420J
T104F1	TTL	-	HOUSE CODE FOR SN7420W	FLP---	-	70C	-	-	-	SGS	SN7420W
T104F2	TTL	-	HOUSE CODE FOR SN5420W	FLP---	-	125	-	-	-	SGS	SN5420W
T105B1	TTL	-	HOUSE CODE FOR SN7450N	DIL--P	-	70C	-	-	-	SGS	SN7450N
T105D1	TTL	-	HOUSE CODE FOR SN7450J	DIL--C	-	70C	-	-	-	SGS	SN7450J
T105D2	TTL	-	HOUSE CODE FOR SN5450J	DIL--C	-	125	-	-	-	SGS	SN5450J
T105F1	TTL	-	HOUSE CODE FOR SN7450W	FLP---	-	70C	-	-	-	SGS	SN7450W
T105F2	TTL	-	HOUSE CODE FOR SN5450W	FLP---	-	125	-	-	-	SGS	SN5450W
T106B1	TTL	-	HOUSE CODE FOR SN7460N	DIL--P	-	70C	-	-	-	SGS	SN7460N
T106D1	TTL	-	HOUSE CODE FOR SN7460J	DIL--C	-	70C	-	-	-	SGS	SN7460J
T106D2	TTL	-	HOUSE CODE FOR SN5460J	DIL--C	-	125	-	-	-	SGS	SN5460J
T106F1	TTL	-	HOUSE CODE FOR SN7460W	FLP---	-	70C	-	-	-	SGS	SN7460W
T106F2	TTL	-	HOUSE CODE FOR SN5460W	FLP---	-	125	-	-	-	SGS	SN5460W
T108B1	TTL	-	HOUSE CODE FOR SN7453N	DIL--P	-	70C	-	-	-	SGS	SN7453N
T108D1	TTL	-	HOUSE CODE FOR SN7453J	DIL--C	-	70C	-	-	-	SGS	SN7453J
T108D2	TTL	-	HOUSE CODE FOR SN5453J	DIL--C	-	125	-	-	-	SGS	SN5453J
T108F1	TTL	-	HOUSE CODE FOR SN7453W	FLP---	-	70C	-	-	-	SGS	SN7453W
T108F2	TTL	-	HOUSE CODE FOR SN5453W	FLP---	-	125	-	-	-	SGS	SN5453W
T109B1	TTL	-	HOUSE CODE FOR SN7440N	DIL--P	-	70C	-	-	-	SGS	SN7440N
T109D1	TTL	-	HOUSE CODE FOR SN7440J	DIL--C	-	70C	-	-	-	SGS	SN7440J
T109D2	TTL	-	HOUSE CODE FOR SN5440J	DIL--C	-	125	-	-	-	SGS	SN5440J
T109F1	TTL	-	HOUSE CODE FOR SN7440W	FLP---	-	70C	-	-	-	SGS	SN7440W
T109F2	TTL	-	HOUSE CODE FOR SN5440W	FLP---	+5V	125	-	-	-	SGS	SN5440W
T112B1	TTL	-	HOUSE CODE FOR SN7401N	DIL--P	-	70C	-	-	-	SGS	SN7401N
T112D1	TTL	-	HOUSE CODE FOR SN7401J	DIL--C	-	70C	-	-	-	SIG	SN7401J
T112D2	TTL	-	HOUSE CODE FOR SN5401J	DIL--C	-	125	-	-	-	SIG	SN5401J
T112F1	TTL	-	HOUSE CODE FOR SN7401W	FLP---	-	70C	-	-	-	SIG	SN7401W
T112F2	TTL	-	HOUSE CODE FOR SN5401W	FLP---	-	125	-	-	-	SIG	SN5401W
T115B1	TTL	-	HOUSE CODE FOR SN7451N	DIL--P	-	70C	-	-	-	SIG	SN7451N
T115D1	TTL	-	HOUSE CODE FOR SN7451J	DIL--C	-	70C	-	-	-	SIG	SN7451J
T115D2	TTL	-	HOUSE CODE FOR SN5451J	DIL--C	-	125	-	-	-	SIG	
T115F1	TTL	-	HOUSE CODE FOR SN7451W	FLP---	-	70C	-	-	-	SIG	SN7451W
T115F2	TTL	-	HOUSE CODE FOR SN5451W	FLP---	-	125	-	-	-	SIG	SN5451W
T122B1	TTL	-	HOUSE CODE FOR SN7402N	DIL--P	-	70C	-	-	-	SIG	SN7402N
T122D1	TTL	-	HOUSE CODE FOR SN7402J	DIL--C	-	70C	-	-	-	SIG	SN7402J
T122D2	TTL	-	HOUSE CODE FOR SN5402J	DIL--C	-	125	-	-	-	SGS	SN5402J
T122F1	TTL	-	HOUSE CODE FOR SN7402W	FLP---	-	70C	-	-	-	SIG	SN7402W
T122F2	TTL	-	HOUSE CODE FOR SN5402W	FLP---	-	125	-	-	-	SGS	SN5402W
T5400 SERIES	-	-	ALTERN CODES FOR T7400D2 SER.	-	-	-	-	-	-	SGS	SN5400J SER
T7400B1 SER.	TTL	-	HOUSE CODES FOR SN7400N SERIES	DIL--P	-	70C	-	-	-	SGS	SN7400N SER
T7400D1 SER	TTL	-	HOUSE CODES FOR SN7400J SERIES	DIL--C	-	70C	-	-	-	SGS	SN7400J SER
T7400D2 SER	TTL	-	HOUSE CODES FOR SN5400J SERIES	DIL--C	-	125	-	-	-	SGS	SN5400J SER
TC4000B. SER	CMS	VAR	TOSHIBA VRSN OF CD4000B SERIES	-	+15V	VAR	-	-	-	TOS	CD4000B SER
TC4000UB SER.	CMS	VAR	TOSHIBA VRSN OF CD4000UB SER.	-	+15V	VAR	-	-	-	TOS	CD4000UB SER
TC5400 SERIES	TTL	-	HOUSE CODES FOR SN5400 SERIES	-	-	125	-	-	-	TOS	SN5400 SERIES
TC7400BP SER	TTL	-	HOUSE CODES FOR SN7400N SERIES	DIL--P	-	70C	-	-	-	TOS	SN7400N SER
TD3400 SERIES	TTL	-	HOUSE CODES FOR SN7400N SERIES	DIL--P	-	70C	-	-	-	TOS	SN7400N SER
TD3400AP SER	TTL	-	HOUSE CODES FOR SN7400N SERIES	DIL--P	-	70C	-	-	-	TOS	SN7400N SER
TF00F SERIES.	TTL	-	HOUSE CODE FOR SF00-1 SUHL SER	FLP14	-	-	-	-	-	TRA	SF00-1 SERIES
TF00J SERIES	TTL	-	HOUSE CODE FOR SF00-2 SUHL SER	DIL14C	-	-	-	-	-	TRA	SF00-2 SERIES
TF54S00F SER	STL	-	ALTERN CODES FOR SN54S00W SER	FLP---	-	125	-	-	-	TRA	SN54S00W SER
TF54S00J SER.	STL	-	ALTERN CODES FOR SN54S00J SER	DIL--C	-	125	-	-	-	TRA	SN54S00J SER
TF74S00F SER	STL	-	HOUSE CODES FOR SN74S00W SER	FLP---	-	70C	-	-	-	TRA	SN74S00W SER
TF74S00J SER.	STL	-	HOUSE CODES FOR SN74S00J SER.	DIL--C	-	70C	-	-	-	TRA	SN74S00J SER
TF000F SERIES	TTL	-	HOUSE CODE FOR SF000-1 SUHL SR	FLP14	-	-	-	-	-	TRA	SF000-1 SER
TF000J SERIES	TTL	-	HOUSE CODE FOR SF000-2 SUHL SR	DIL14C	-	-	-	-	-	TRA	SF000-2 SER
TF5400 SERIES	TTL	-	HOUSE CODES FOR SN5400 SERIES	-	-	125	-	-	-	TRA	SN5400 SERIES
TF7400E SER.	TTL	-	HOUSE CODES FOR SN7400N SERIES	DIL--P	-	70C	-	-	-	TRA	SN7400N SER
TG00F SERIES	TTL	-	HOUSE CODE FOR SG00-1 SUHL SER	FLP14	-	-	-	-	-	TRA	SG00-1 SERIES
TG00J SERIES	TTL	-	HOUSE CODE FOR SG00-2 SUHL SER	DIL14C	-	-	-	-	-	TRA	SG00-2 SERIES
TG54S00F SER	STL	-	HOUSE CODES FOR SN54S00W SER	FLP---	-	125	-	-	-	TRA	SN54S00W SER
TG54S00J SER.	STL	-	HOUSE CODES FOR SN54S00J SER.	DIL--C	-	125	-	-	-	TRA	SN54S00J SER
TG74S00F SER.	STL	-	HOUSE CODES FOR SN74S00W SER.	FLP---	-	70C	-	-	-	TRA	SN74S00W SER
TG74S00J SER.	STL	-	HOUSE CODES FOR SN74S00J SER.	DIL--C	-	70C	-	-	-	TRA	SN74S00J SER
TG5400 SERIES	TTL	-	HOUSE CODES FOR SN5400 SERIES	-	-	125	-	-	-	TRA	SN5400 SERIES
TG000F SERIES	TTL	-	HOUSE CODE FOR SG000-1 SUHL SR	FLP14	-	-	-	-	-	TRA	SG000-1 SER
TG000J SERIES	TTL	-	HOUSE CODE FOR SG000-2 SUHL SR	DIL14C	-	-	-	-	-	TRA	SG000-2 SER
TG7400E SER	TTL	-	HOUSE CODES FOR DM5400N SERIES	DIL--P	-	70C	-	-	-	TRA	DM5400N SER
TL54H00 SER.	HTL	-	HOUSE CODES FOR SN54H00 SERIES	-	-	125	-	-	-	TFK	SN54H00 SER
TL74H00 SER.	HTL	-	HOUSE CODES FOR SN74H00 SERIES	-	-	70C	-	-	-	TFK	SN74H00 SER
TL660 SERIES	HNL	-	TELEFUNKEN OBS VRSN 660 SERIES	-	-	-	-	-	-	TFK	660 SERIES
TL4929N	TTL	NAN	NAND X2 + INVERTER X4	DIL16P	+5V	70C	80MW	22MXNS	N025	TFK	SN4929N
TL4930N	TTL	NAN	NAND, DRIVER, QUAD	DIL14P	+5V	70C	80MW	22MXNS	N026	TFK	SN4930N

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
TL4931N	TTL	NAN	NAND, 5IP, DUAL	DIL14P	+5V	70C	20MW	22MXNS	N027	TFK	SN4931N
TL4932N	TTL	SRG	SHIFT REG, 8 BIT, DUAL	DIL14P	+5V	70C	350MW	18MXMHZ	R059	TFK	SN4932N
TL4934N	TTL	INV	INVERTER, OC OP, HEX	DIL14P	+5V	70C	75MW	40MXNS	I018	TFK	SN4934N
TL4935N	TTL	INV	INVERTER, HEX	DIL14P	+5V	70C	75MW	40MXNS	I018	TFK	SN4935N
TL5400 SER	TTL	-	HOUSE CODES FOR SN5400 SERIES	-	-	125	-	-	-	TFK	SN5400 SERIES
TL7400N SER	TTL	-	HOUSE CODES FOR SN7400N SERIES	DIL--P	-	70C	-	-	-	TFK	SN7400N SER
TL8400 SERIES	TTL	-	HOUSE CODES FOR SN8400 SERIES	-	-	85C	-	-	-	TFK	SN8400 SERIES
TL8400N SER.	TTL	-	HOUSE CODES FOR SN8400N SERIES	DIL--P	-	85C	-	-	-	TFK	SN8400N SER
TL49700N	TTL	NAN	NAND X2 + AND X2, OC 30V OP	DIL16P	+5V	70C	-	40MXNS	N028	TFK	SN49700N
TL49700NS1	TTL	NAN	NAND X2 + AND X2, OC 60V OP	DIL16P	+5V	70C	-	40MXNS	N028	TFK	SN49700NS1
TL49701N	TTL	DVR	DRIVER, OC 30V OP, QUAD	DIL16P	+5V	70C	160MW	22MXNS	B029	TFK	SN49701N
TL49701NS1	TTL	DVR	DRIVER, OC 60V OP, QUAD	DIL16P	+5V	70C	160MW	22MXNS	B029	TFK	SN49701NS1
TL49702N	TTL	FFD	FF/D, QUAD	DIL16P	+5V	70C	170MW	25MXMHZ	F058	TFK	SN49702N
TL49703N	TTL	XXX	DELAY ELEMENT, HEX	DIL16P	+5V	70C	52MW	-	Z071	TFK	SN49703N
TL49704N	TTL	CTR	COUNTER, BINARY, DUAL	DIL16P	+5V	70C	480MW	35MXMHZ	C050	TFK	SN49704N
TL49705N	TTL	CTR	COUNTER, DECADE, DUAL	DIL16P	+5V	70C	480MW	35MXMHZ	C051	TFK	SN49705N
TL49710N	TTL	DVD	DIVIDER, FREQUENCY, DIV BY 50	DIL08P	+5V	70C	290MW	12MXMHZ	C052	TFK	SN49710N
TL49711N	TTL	DVD	DIVIDER, FREQUENCY, DIV BY 60	DIL08P	+5V	70C	290MW	12MXMHZ	C053	TFK	SN49711N
TL49712N	TTL	DVD	DIVIDER, FREQUENCY, DIV BY 80	DIL16P	+5V	70C	290MW	20MXNS	C054	TFK	SN49712N
TL49713N	TTL	NAN	NAND, SCHMITT, DUAL	DIL14P	+5V	70C	85MW	25MXNS	N029	TFK	SN49713N
TL49713NS1	TTL	NAN	NAND, SCHMITT, DUAL	DIL14P	+5V	70C	85MW	25MXNS	N029	TFK	SN49713NS1
TL49714N	TTL	DCD	DECODER, BIN TO DECIMAL, 2BIT	DIL08P	+5V	70C	80MW	-	D032	TFK	SN49714N
TL49800N	TTL	NAN	NAND X2 + AND X2, OC 30V OP	DIL16P	+5V	85C	-	40MXNS	N028	TFK	SN49800N
TL49800NS1	TTL	NAN	NAND X2 + AND X2, OC 60V OP	DIL16P	+5V	85C	-	40MXNS	N028	TFK	SN49800NS1
TL49801N	TTL	DVR	DRIVER, OC 30V OP, QUAD	DIL16P	+5V	85C	160MW	22MXNS	B029	TFK	SN49801N
TL49801NS1	TTL	DVR	DRIVER, OC 60V OP, QUAD	DIL16P	+5V	85C	160MW	22MXNS	B029	TFK	SN49801NS1
TL49802N	TTL	FFD	FF/D, QUAD	DIL16P	+5V	85C	170MW	25MXMHZ	F058	TFK	SN49802N
TL49803N	TTL	XXX	DELAY ELEMENT, HEX	DIL16P	+5V	85C	52MW	-	Z071	TFK	SN49803N
TL49804N	TTL	CTR	COUNTER, BINARY, DUAL	DIL16P	+5V	85C	480MW	35MXMHZ	C050	TFK	SN49804N
TL49805N	TTL	CTR	COUNTER, DECADE, DUAL	DIL16P	+5V	85C	480MW	35MXMHZ	C051	TFK	SN49805N
TL49810N	TTL	DVD	DIVIDER, FREQUENCY, DIV BY 50	DIL08P	+5V	85C	290MW	12MXMHZ	C052	TFK	SN49810N
TL49811N	TTL	DVD	DIVIDER, FREQUENCY, DIV BY 60	DIL08P	+5V	85C	290MW	12MXMHZ	C053	TFK	SN49811N
TL49812N	TTL	DVD	DIVIDER, FREQUENCY, DIV BY 80	DIL16P	+5V	85C	290MW	20MXNS	C054	TFK	SN49812N
TL49813N	TTL	NAN	NAND, SCHMITT, DUAL	DIL14P	+5V	85C	85MW	25MXNS	N029	TFK	SN49813N
TL49813NS1	TTL	NAN	NAND, SCHMITT, DUAL	DIL14P	+5V	85C	85MW	25MXNS	N029	TFK	SN49813NS1
TL49814N	TTL	DCD	DECODER, BIN TO DECIMAL, 2BIT	DIL08P	+5V	85C	80MW	-	D032	TFK	SN49814N
TL49829N	TTL	NAN	NAND X2 + INVERTER X4	DIL16P	+5V	85C	80MW	22MXNS	N025	TFK	SN49829N
TL49830N	TTL	NAN	NAND, DRIVER, QUAD	DIL14P	+5V	85C	80MW	22MXNS	N026	TFK	SN49830N
TL49831N	TTL	NAN	NAND, 5IP, DUAL	DIL14P	+5V	85C	20MW	22MXNS	N027	TFK	SN49831N
TL49832N	TTL	SRG	SHIFT REG, 8 BIT, DUAL	DIL14P	+5V	85C	350MW	18MXMHZ	R059	TFK	SN49832N
TL49834N	TTL	INV	INVERTER, OC OP, HEX	DIL14P	+5V	85C	75MW	40MXNS	I018	TFK	SN49834N
TL49835N	TTL	INV	INVERTER, HEX	DIL14P	+5V	85C	75MW	40MXNS	I018	TFK	SN49835N
TM5400 SERIES	TTL	-	SERVICE SUBS FOR DM5400N SER	DIL--N	-	125	-	-	-	THO	DM5400N SER
TM7400 SERIES	TTL	-	SERVICE SUBS FOR DM7400N SER	DIL--P	-	70C	-	-	-	THO	SN7400N SER
TNG5400F SER	TTL	-	HOUSE CODES FOR SN5400W SERIES	FLP---	-	125	-	-	-	TRA	SN5400W SER
TNG5400P SER	TTL	-	HOUSE CODES FOR DM5400N SERIES	DIL--P	-	125	-	-	-	TRA	DM5400N SER
TP4000A SER.	CMS	VAR	TEXAS INST VRSN OF CD4000A SR	-	+10V	VAR	-	-	-	TII	CD4000A SER
TP4000B SER	CMS	VAR	TEXAS INST VRSN OF CD4000B SR	-	+15V	VAR	-	-	-	TII	CD4000B SER
TP4000UB SER.	CMS	VAR	TEXAS INST VRSN CD4000UB SER.	-	+15V	VAR	-	-	-	TII	CD4000UB SER
TP4300B	CMS	VAR	TEXAS INST CODE FOR40100B SER	-	+15V	VAR	-	-	-	TII	CD40100B SER
TP4500A SER.	CMS	VAR	TEXAS INST VRSN CD4500A SER	-	+10V	VAR	-	-	-	TII	CD4500A SER
TP4500B SER.	CMS	VAR	TEXAS INST VRSN CD4500B SER	-	+15V	VAR	-	-	-	TII	CD4500B SER
TRW5400-1 SER	TTL	-	HOUSE CODES FOR SN5400J SERIES	DIL--C	-	125	-	-	-	TRW	SN5400-1 SER
TRW5400-2 SER	TTL	-	HOUSE CODES FOR DM5400N SERIES	DIL--P	-	125	-	-	-	TRW	DM5400N SER
TRW7400-1 SER	TTL	-	HOUSE CODES FOR SN7400J SERIES	DIL--C	-	70C	-	-	-	TRW	SN7400J SER
TRW7400-2 SER	TTL	-	HOUSE CODES FOR SN7400N SERIES	DIL--P	-	70C	-	-	-	TRW	SN7400N SER
U3I5400 SER.	TTL	-	HOUSE CODES FOR SN5400W SER	FLP---	-	125	-	-	-	SGS	SN5400W SER
U3I7400 SER	TTL	-	HOUSE CODES FOR SN5400W SER	FLP---	-	70C	-	-	-	SGS	SN5400W SER
U3I9090 SER	DTL	-	FAIRCHILD OBS VERSN 9090 SER	FLP---	+5V	-	-	-	-	FAS	9090 SERIES
U6A5400 SER.	TTL	-	HOUSE CODES FOR SN5400J SERIES	-	-	125	-	-	-	SGS	SN5400J SER.
U6A7400 SER.	TTL	-	HOUSE CODES FOR SN7400J SERIES	DIL--C	-	70C	-	-	-	SGS	SN7400J SER
U6A9090 SER.	DTL	-	FAIRCHILD OBS VERSN 9090 SER	DIL--C	+5V	-	-	-	-	FAS	9090 SERIES
U6AH000 SER.	HTL	-	HOUSE CODES FOR SN74H00J SER.	DIL--C	-	70C	-	-	-	FAS	SN74H00J SER
U6AN000 SER.	TTL	-	HOUSE CODES FOR SN7400J SER.	DIL--C	-	70C	-	-	-	FAS	SN7400J SER
U6AS000 SER.	STL	-	HOUSE CODES FOR SN74S00J SER	DIL--C	-	70C	-	-	-	FAS	SN74S00J SER
U6BN000 SER.	TTL	-	HOUSE CODES FOR SN7400J SERIES	DIL--C	-	70C	-	-	-	FAS	SN7400J SER
U7A5400 SER.	TTL	-	HOUSE CODES FOR DM5400N SERIES	DIL--P	-	125	-	-	-	SGS	DM5400N SER
U7A7400 SER.	TTL	-	HOUSE CODES FOR SN7400N SERIES	DIL--P	-	70C	-	-	-	SGS	SN7400N SER.
U7AN000 SER.	TTL	-	HOUSE CODES FOR SN7400N SERIES	DIL--P	-	70C	-	-	-	FAS	SN7400N SER
U7BN000 SER.	TTL	-	HOUSE CODES FOR SN7400N SERIES	DIL--P	-	70C	-	-	-	FAS	SN7400N SER
U7GN000 SER.	TTL	-	HOUSE CODES FOR SN7400N SERIES	DIL--P	-	70C	-	-	-	FAS	SN7400N SER.
UCN4000 SER.	CMS	VAR	HOUSE CODE VRSN OF CD4000 SER.	-	+10V	85C	-	-	-	SPR	CD4000(85C)SR
UPB2S00 SER.	STL	-	STL VERSIONS OF UPB200 SERIES	DIL--P	-	70C	-	-	-	NEC	-
UPB201	TTL	-	HOUSE CODE FOR SN7400N	DIL--P	-	70C	-	-	-	NEC	SN7400N
UPB202	TTL	-	HOUSE CODE FOR SN7410N	DIL--P	-	70C	-	-	-	NEC	SN7410N

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
UPB203	TTL	-	HOUSE CODE FOR SN7420N	DIL--P	-	70C	-	-	-	NEC	SN7420N
UPB204	TTL	-	HOUSE CODE FOR SN7430N	DIL--P	-	70C	-	-	-	NEC	SN7430N
UPB205	TTL	-	HOUSE CODE FOR SN7440N	DIL--P	-	70C	-	-	-	NEC	SN7440N
UPB206	TTL	-	HOUSE CODE FOR SN7450N	DIL--P	-	70C	-	-	-	NEC	SN7450N
UPB207	TTL	-	HOUSE CODE FOR SN7451N	DIL--P	-	70C	-	-	-	NEC	SN7451N
UPB208	TTL	-	HOUSE CODE FOR SN7453N	DIL--P	-	70C	-	-	-	NEC	SN7453N
UPB209	TTL	-	HOUSE CODE FOR SN7454N	DIL--N	-	70C	-	-	-	NEC	SN7454N
UPB210	TTL	-	HOUSE CODE FOR SN7460N	DIL--P	-	70C	-	-	-	NEC	SN7460N
UPB211	TTL	-	HOUSE CODE FOR SN7470N	DIL--P	-	70C	-	-	-	NEC	SN7470N
UPB212	TTL	-	HOUSE CODE FOR SN7472N	DIL--P	-	70C	-	-	-	NEC	SN7472N
UPB213	TTL	-	HOUSE CODE FOR SN7413N	DIL--P	-	70C	-	-	-	NEC	SN7413N
UPB214	TTL	-	HOUSE CODE FOR SN7474N	DIL--P	-	70C	-	-	-	NEC	SN7474N
UPB215	TTL	-	HOUSE CODE FOR SN7401N	DIL--P	-	70C	-	-	-	NEC	SN7401N
UPB217	TTL	-	HOUSE CODE FOR SN7475N	DIL--P	-	70C	-	-	-	NEC	SN7475N
UPB219	TTL	-	HOUSE CODE FOR SN7490N	DIL--P	-	70C	-	-	-	NEC	SN7490N
UPB222	TTL	-	HOUSE CODE FOR SN7492N	DIL--P	-	70C	-	-	-	NEC	SN7492N
UPB223	TTL	-	HOUSE CODE FOR SN7493N	DIL--P	-	70C	-	-	-	NEC	SN7493N
UPB224	TTL	-	HOUSE CODE FOR SN7476N	DIL--P	-	70C	-	-	-	NEC	SN7476N
UPB225	TTL	-	HOUSE CODE FOR SN7473N	DIL--P	-	70C	-	-	-	NEC	SN7473N
UPB226	TTL	-	HOUSE CODE FOR SN7495N	DIL--P	-	70C	-	-	-	NEC	SN7495N
UPB227	TTL	-	HOUSE CODE FOR SN7442N	DIL--P	-	70C	-	-	-	NEC	SN7442N
UPB230	TTL	-	HOUSE CODE FOR SN7483N	DIL--P	-	70C	-	-	-	NEC	SN7483N
UPB232	TTL	-	HOUSE CODE FOR SN7402N	DIL--P	-	70C	-	-	-	NEC	SN7402N
UPB233	TTL	-	HOUSE CODE FOR SN7411N	DIL--P	-	70C	-	-	-	NEC	SN7411N
UPB234	TTL	-	HOUSE CODE FOR SN7408N	DIL--P	-	70C	-	-	-	NEC	SN7408N
UPB235	TTL	-	HOUSE CODE FOR SN7404N	DIL--P	-	70C	-	-	-	NEC	SN7404N
UPB236	TTL	-	HOUSE CODE FOR SN7405N	DIL--P	-	70C	-	-	-	NEC	SN7405N
UPB237	TTL	-	HOUSE CODE FOR SN7437N	DIL--P	-	70C	-	-	-	NEC	SN7437N
UPB238	TTL	-	HOUSE CODE FOR SN7438N	DIL--P	-	70C	-	-	-	NEC	SN7438N
UPB2S00 SER	STL	-	HOUSE CODES FOR SN74S00 SERIES	-	-	70C	-	-	-	NEC	SN74S00 SER
UPB5400 SER	TTL	-	HOUSE CODES FOR SN5400	-	-	125	-	-	-	NEC	SN5400 SERIES
UPB54H00 SER	HTL	-	HOUSE CODES FOR SN54H00 SERIES	-	-	125	-	-	-	NEC	SN54H00 SER.
UPB54LS00 SER	LST	-	HOUSE CODES FOR SN54LS00 SER	-	-	125	-	-	-	NEC	SN54LS00 SER
UPB74H00 SER	HTL	-	HOUSE CODES FOR SN74H00 SERIES	-	-	70C	-	-	-	NEC	SN74H00 SER
UPB74LS00 SER	LST	-	HOUSE CODES FOR SN74LS00 SER	-	-	70C	-	-	-	NEC	SN74LS00 SER
UPB2000 SER	TTL	-	HOUSE CODE FOR SN7400N SERIES	DIL--P	-	70C	-	-	-	NEC	SN7400N SER
UPB2047	TTL	-	HOUSE CODE FOR SN7447N	DIL--P	-	70C	-	-	-	NEC	SN7447N
UPB2085	TTL	-	HOUSE CODE FOR SN7485N	DIL--P	-	70C	-	-	-	NEC	SN7485N
UPB2086	TTL	-	HOUSE CODE FOR SN7486N	DIL--P	-	70C	-	-	-	NEC	SN7486N
UPB2100 SER	TTL	-	HOUSE CODES FOR SN74100N SER	DIL--P	-	70C	-	-	-	NEC	SN74100N SER
UPB2150	TTL	-	HOUSE CODE FOR SN74150N	DIL--P	-	70C	-	-	-	NEC	SN74150N
UPB2151	TTL	-	HOUSE CODE FOR SN74151N	DIL--P	-	70C	-	-	-	NEC	SN74151N
UPB2161	TTL	-	HOUSE CODE FOR SN74161N	DIL--P	-	70C	-	-	-	NEC	SN74161N
UPB2192	TTL	-	HOUSE CODE FOR SN74192N	DIL--P	-	70C	-	-	-	NEC	SN74192N
UPB2193	TTL	-	HOUSE CODE FOR SN74193N	DIL--P	-	70C	-	-	-	NEC	SN74193N
UPB2195	TTL	-	HOUSE CODE FOR SN74193N	DIL--P	-	70C	-	-	-	NEC	SN74195N
UPB7400 SER	TTL	-	HOUSE CODES FOR SN7400 SERIES	-	-	70C	-	-	-	NEC	SN7400 SERIES
UPD4000 SER	CMS	VAR	NEC VRSN OF CD4000 SERIES	-	-	VAR	-	-	-	NEC	CD4000A SER
UPD4500 SER	CMS	VAR	NEC VRSN OF CD4500/MC14500 SER	-	-	-	-	-	-	NEC	CD4500 SERIES
US54H00A SER	HTL	-	HOUSE CODES FOR SN54H00J SER	DIL--C	-	125	-	-	-	SPR	SN54H00J SER
US54H00J SER	HTL	-	HOUSE CODES FOR SN54H00W SER	FLP---	-	125	-	-	-	SPR	SN54H00W SER
US74H00A SER	HTL	-	HOUSE CODES FOR SN74H00J SER	DIL--C	-	70C	-	-	-	SPR	SN74H00J SER
US74H00J SER	HTL	-	HOUSE CODES FOR SN74H00W SER	FLP---	-	70C	-	-	-	SPR	SN74H00W SER
US700 SERIES	DTL	-	SPRAGUE OBS VERSN MC700 SERIES	-	+5V	-	-	-	-	SPR	900 SERIES
US5400A SER	TTL	-	HOUSE CODES FOR SN5400J SERIES	DIL--C	-	125	-	-	-	SPR	SN5400J SER
US5400J SER	TTL	-	HOUSE CODES FOR SN5400W SERIES	FLP---	-	125	-	-	-	SPR	SN5400W SER
US7400A SER	TTL	-	HOUSE CODES FOR SN7400J SERIES	DIL--C	-	70C	-	-	-	SPR	SN7400J SER.
US7400J SER	TTL	-	HOUSE CODES FOR SN7400W SERIES	FLP---	-	70C	-	-	-	SPR	SN7400W SER
USN7400A SER	TTL	-	HOUSE CODES FOR SN7400J SERIES	DIL--C	-	70C	-	-	-	SPR	SN7400J SER
USN7400J SER	TTL	-	HOUSE CODES FOR SN7400W SERIES	FLP---	-	70C	-	-	-	SPR	SN7400W SER
USS5400A SER	TTL	-	HOUSE CODES FOR SN5400J SERIES	DIL--C	-	125	-	-	-	SPR	SN5400J SER
USS5400J SER	TTL	-	HOUSE CODES FOR SN5400W SERIES	FLP---	-	125	-	-	-	SPR	SN5400W SER
WC930 SERIES	DTL	-	WESTINGHOUSE OBS VERSN 930 SER	-	+5V	-	-	-	-	WST	930 SERIES
WC5400 SERIES	TTL	-	HOUSE CODES FOR SN5400 SERIES	-	-	125	-	-	-	WST	SN5400 SERIES
WC7400 SERIES	TTL	-	HOUSE CODES FOR SN7400 SERIES	-	-	75C	-	-	-	WST	SN7400 SERIES
WEP7400 SER	TTL	-	SERVICE SUBST FOR SN7400N SER	DIL--P	-	70C	-	-	-	WOR	SN7400N SER
WS800 SERIES	DTL	-	WESTINGHOUSE OBS VERSN 800 SER	-	+5V	-	-	-	-	WST	900 SERIES
ZN54L00E SER	LTL	-	DIP VERSION OF SN54L00 SERIES	DIL--P	-	125	-	-	-	FER	DM54L00N SER
ZN54L00F SER	LTL	-	HOUSE CODES FOR SN54L00W SER	FLP---	-	125	-	-	-	FER	SN54L00W SER.
ZN54L00J SER	LTL	-	HOUSE CODES FOR SN54L00J SER	DIL--C	-	125	-	-	-	FER	SN54L00J SER.
ZN54L01E	LTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	125	2MA	90MXNS	N003	FER	DM54LS01J
ZN54L01J	LTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14C	+5V	125	2MA	90MXNS	N003	FER	SN54LS01J
ZN54L42E	LTL	DCD	DECODER, BCD-DECIMAL,4-10 LINE	DIL16P	+5V	125	22MA	70MXNS	D001	FER	54LS42ADM
ZN54L122E	LTL	MON	MONOSTABLE,MULTI,RETRIG,WITH R	DIL14P	+5V	125	14MA	80MXNS	U002	FER	ZN54L122J
ZN54L164E	LTL	SRG	SHIFT REGISTER, 8 BIT, SIPO	DIL14P	+5V	125	27MA	12MXMHZ	R006	FER	DM54L164AJ

TYPE NUMBER	LOC IC	USE	DESCRIPTION	CASING	VDC	TMX	P/IMX	SPEED	PIN OUTS	MAKER	SUBSTITUTE
ZN64L00E SER	LTL	-	DIP VERSIONS OF SN64L00 SERIES	DIL--P	-	85C	-	-	-	FER	SN64L00N SER.
ZN64L00F SER	LTL	-	HOUSE CODES FOR SN64L00W SER	FLP---	-	85C	-	-	-	FER	SN64L00F SER
ZN64L00J SER	LTL	-	HOUSE CODES FOR SN64L00J SER	DIL--C	-	85C	-	-	-	FER	SN64L00J SER
ZN64L00J SER	LTL	-	HOUSE CODES FOR SN64L00J SER	DIL--C	-	85C	-	-	-	FER	SN64L00J SER
ZN74L00E SER	LTL	-	HOUSE CODES FOR SN74L00N SER	DIL--P	-	70C	-	-	-	FER	SN74L00N SER
ZN74L00F SER	LTL	-	HOUSE CODES FOR SN74L00W SER	FLP---	-	70C	-	-	-	FER	SN74L00W SER
ZN74L00J SER	LTL	-	HOUSE CODES FOR SN74L00J SER	DIL--C	-	70C	-	-	-	FER	SN74L00J SER
ZN74L01E	LTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14P	+5V	70C	2MA	90MXNS	N003	FER	ZN74L01J
ZN74L01J	LTL	NAN	NAND, 2IP, OC OP, QUAD	DIL14C	+5V	70C	2MA	90MXNS	N003	FER	ZN74L01J
ZN5400E SER	TTL	-	DIP VERSIONS OF SN5400 SERIES	DIL--P	-	125	-	-	-	FER	DM5400N SER
ZN5400F SER	TTL	-	HOUSE CODES FOR SN5400W	FLP---	-	125	-	-	-	FER	SN5400W SER
ZN5400J SER	TTL	-	HOUSE CODES FOR SN5400J SER	DIL--C	-	125	-	-	-	FER	SN5400J SER
ZN5412E	TTL	NAN	NAND, 3IP, OC OP, TRIPLE	DIL14P	+5V	125	17MA	45MXNS	N004	FER	SN5412J
ZN5428E	TTL	NOR	NOR, BUFFER, 2IP, QUAD	DIL14P	+5V	125	15MA	18MXNS	Q001	FER	SN5428J
ZN5442E	TTL	DCD	DECODER, BCD-DECIMAL,4-10 LINE	DIL16P	+5V	125	56MA	30MXNS	D001	FER	DM5442J
ZN5482E	TTL	ADD	ADDER, FULL, 2 BIT BINARY	DIL14P	+5V	125	50MA	42MXNS	Z003	FER	SN5482J
ZN5483AE	TTL	ADD	ADDER,FULL,4BT,BINARY,FST CRRY	DIL16P	+5V	125	99MA	24MXNS	Z004	FER	SN5483AJ
ZN5485E	TTL	CMP	COMPARATOR, MAGNITUDE, 4 BIT	DIL16P	+5V	125	88MA	35MXNS	Z005	FER	SN5485J
ZN5488AE	TTL	MEM	ROM,256=32X8BT,OC,MASK PROGRAM	DIL16P	+5V	125	500MW	45MXNS	S004	FER	-
ZN5489E	TTL	MEM	RAM, 64=16X4 BIT, OC OP	DIL16P	+5V	125	105MA	60MXNS	S001	FER	5489DM
ZN5494E	TTL	SRG	SHIFT REG, 4 BIT, 2 SET, PISO	DIL16P	+5V	125	50MA	10MXMHZ	R003	FER	SN5494J
ZN5495AE	TTL	SRG	SHIFT REG,4BIT,L/R SHIFT, PIPO	DIL14P	+5V	125	63MA	25MXMHZ	R004	FER	SN5495AJ
ZN5496E	TTL	SRG	SHIFT REG, 5BT,1 SET,PISO/SIPO	DIL16P	+5V	125	68MA	10MXMHZ	R005	FER	SN5496J
ZN6400E SER	TTL	-	HOUSE CODES FOR SN6400N SERIES	DIL--P	-	85C	-	-	-	FER	SN6400N SER
ZN6400F SER	TTL	-	HOUSE CODES FOR SN6400W SERIES	FLP---	-	85C	-	-	-	FER	SN6400W SER
ZN6400J SER	TTL	-	HOUSE CODES FOR SN6400J SERIES	DIL--C	-	85C	-	-	-	FER	SN6400J SER
ZN7400E SER	TTL	-	HOUSE CODES FOR SN7400N SERIES	DIL--P	-	70C	-	-	-	FER	SN7400N SER
ZN7400F SER	TTL	-	HOUSE CODES FOR SN7400W SERIES	FLP---	-	70C	-	-	-	FER	SN7400W SER
ZN7400J SER	TTL	-	HOUSE CODES FOR SN7400J SERIES	DIL--C	-	70C	-	-	-	FER	SN7400J SER
ZN7428F	TTL	NOR	NOR, BUFFER, 2IP, QUAD	FLP14	+5V	70C	15MA	18MXNS	Q001	FER	S5428W
ZN7488AF	TTL	MEM	ROM,256=32X8BT,OC,MASK PROGRAM	FLP16	+5V	70C	-	-	S004	FER	-
ZN54118E	TTL	FFR	FF/RS, LATCH, 6 BIT, COMMON R	DIL16P	+5V	125	300MW	29MXNS	F047	FER	-
ZN54119E	TTL	FFR	FF/RS, LATCH, 6BT, COMM+SEP R	DIL24P	+5V	125	300MW	29MXNS	F048	FER	-
ZN54122E	TTL	MON	MONOSTABLE,MULTI,RETRIG,WITH R	DIL14P	+5V	125	28MA	-	U002	FER	SN54122J
ZN54150E	TTL	MUX	MUX/DATA SELECTOR,16-TO-1 LINE	DIL24P	+5V	125	68MA	35MXNS	M001	FER	SN54150J
ZN54151E	TTL	MUX	MUX/DATA SELECTOR, 8-TO-1 LINE	DIL16P	+5V	125	48MA	52MXNS	M002	SIG	SN54151AJ
ZN54153E	TTL	MUX	MUX/DATA SELECTOR,4-1 LIN,DUAL	DIL16P	+5V	125	52MA	34MXNS	M004	FER	SN54153J
ZN54154E	TTL	DCD	DECODER/DEMUX, 4-TO-16 LINE	DIL24P	+5V	125	49MA	31MXNS	D009	FER	SN54154J
ZN54155E	TTL	DCD	DECODER/DEMUX,2-TO-4 LINE,DUAL	DIL16P	+5V	125	35MA	32MXNS	D010	FER	SN54155J
ZN54157E	TTL	MUX	MUX/DATA SELECTOR, 2-1 LN,DUAL	DIL16P	+5V	125	48MA	27MXNS	M005	FER	SN54157J
ZN54161E	TTL	CTR	COUNTER, BIN,4 BIT,SYNC,DRCT R	DIL16P	+5V	125	91MA	25MXMHZ	C004	FER	S54161F
ZN54163E	TTL	CTR	COUNTER, BIN,4 BIT,SYNC,SYNC R	DIL16P	+5V	125	91MA	25MXMHZ	C005	FER	SN54163J
ZN54164E	TTL	SRG	SHIFT REGISTER, 8 BIT, SIPO	DIL14P	+5V	125	54MA	25MXMHZ	R006	FER	SN54164J
ZN54165E	TTL	SRG	SHIFT REGISTER, 8 BIT, PISO	DIL16P	+5V	125	63MA	20MXMHZ	R007	FER	SN54165J
ZN54170E	TTL	MEM	RAM, SIM READ/WRITE,4X4 BIT,OC	DIL16P	+5V	125	140MA	45MXNS	R009	FER	SN54170J
ZN54174E	TTL	FFD	FF/D, EDGE TRIG,COMM R/CK, HEX	DIL16P	+5V	125	65MA	25MXMHZ	F025	FER	SN54174J
ZN54175E	TTL	FFD	FF/D, ET,COM R/CK,COMP OP,QUAD	DIL16P	+5V	125	45MA	25MXMHZ	F026	FER	SN54175J
ZN54180E	TTL	PAR	PARITY BIT GEN/CHECKER,9 BIT	DIL14P	+5V	125	49MA	68MXNS	Z009	FER	SN54180J
ZN54181E	TTL	ARI	ALU/FUNCTION-GENERATOR,4 BIT	DIL24P	+5V	125	35MA	38MXNS	Z010	FER	SN54181J
ZN54184E	TTL	CVR	CONVERTER,BCD TO BINARY,6BT,OC	DIL16P	+5V	125	99MA	40MXNS	K001	FER	SN54184J
ZN54192E	TTL	CTR	COUNTER,BCD DEC,UP/DWN,SYN,2CK	DIL16P	+5V	125	89MA	25MXMHZ	C009	FER	SN54192J
ZN54193E	TTL	CTR	COUNTER,HEX,UP/DWN,SYNC,2CK,3S	DIL16P	+5V	125	89MA	25MXMHZ	C009	FER	SN54193J
ZN54194E	TTL	SRG	SHIFT REGISTER,4 BIT,L/R, PIPO	DIL16P	+5V	125	63MA	25MXMHZ	R013	FER	SN54194J
ZN74118F	TTL	FFR	FF/RS, LATCH, 6 BIT, COMMON R	FLP16	+5V	70C	300MW	29MXNS	F047	FER	-
ZN74119F	TTL	FFR	FF/RS, LATCH, 6BT, COMM+SEP R	FLP24	+5V	70C	300MW	29MXNS	F048	FER	-

Appendix A Digital IC Semiconductor Logic Types

(with codings used in data tables)

ALS	Advanced-low-power Schottky-TTL
AST	Advanced Schottky-TTL
CCD	Charge-coupled-device
CML	Current-mode-logic
CMS	Complementary MOS (CMOS)
CTL	Complementary-transistor-logic
DCT	Diode-capacitor-transistor-logic
DTL	Diode-transistor-logic
ECL	Emitter-coupled-logic
FST	Fast Schottky-logic
HMS	High-speed MOS
HNL	High-noise-immunity-logic
HTL	High-speed-logic (TTL)
1^2L	Integrated-injection-logic
ISL	Integrated Schottky-logic
LSL	Low-speed-logic
LST	Low-power Schottky-TTL
LTL	Low-power-TTL-logic
MBM	Magnetic-bubble-memory
MNS	Metal-nitride-oxide – silicon MOS
NMS	N-channel MOS
PMS	P-channel MOS
RCT	Resistor-capacitor-transistor-logic
RTL	Resistor-transistor-logic
SOS	Silicon-on-sapphire MOS
SST	Super Schottky-TTL
STL	Schottky-TTL
TTL	Transistor-transistor-logic
VMS	Vertical MOS (V-groove)
VTL	Variable-threshold-logic

Appendix B Digital IC Applications Use Listing

(with 'use' code for data tables)

USE CODE	*APPLICATION DESCRIPTION*
ACC	Accumulator
ADC	Analog-digital converter
ADD	Adder
ALU	Arithmetic logic unit
AND	AND gate
AOI	AND/OR-Invert gate
AOR	AND/OR gate
ARI	Arithmetic circuit
ASW	Analog switch
BUF	Buffer
CCV	Code converter
CLK	Clock driver
CMP	Comparator
CTL	Counter latch
CTR	Counter
CVR	Converter
DCD	Decoder
DEL	Time delay
DMX	Demultiplexer
DSP	Display driver
DVD	Divider
DVR	Driver
ENC	Encoder
EXP	Expander (gate)
FFD	Flip-flop, D-type
FFJ	Flip-flop, JK-type
FFR	Flip-flop, RS(T)-type
FFT	Flip-flop, T-type
INV	Inverter
LAC	Look ahead carry generator
LCH	Latch
LMP	Lamp driver

USE CODE	*APPLICATION DESCRIPTION*
LND	Line driver
LSH	Level shift (translator)
MEM	Memory
MIC	Microprocessor element
MLT	Multiplier
MOD	Modem
MON	Monostable multivibrator
MUX	Multiplexer
NAN	NAND gate
NOR	NOR gate
ORG	OR gate
ORN	OR/NOR gate
OSC	Oscillator
PAR	Parity generator/checker
PLA	Programmed (programmable) logic array
PLL	Phase locked loop
RCV	Receiver, line
REG	Register, file
SCH	Schmitt trigger
SEL	Selector, data
SRG	Shift register
SWT	Switch
SYN	Synchronizer, pulse
TRX	Transmitter/Receiver, line
TXL	Transmitter, line
VAR	Various
VCO	Voltage controlled oscillator
XNR	Exclusive NOR gate
XON	Exclusive OR/NOR gate
XOR	Exclusive OR gate
XXX	Uncoded function

Appendix C Digital IC Case Outline Diagrams

(with 'casing' codes for data tables)

In the data tabulations, the digital IC packages (cases) are specified by a three-part coding system. As an illustration, *DIL14P* divides into three parts as follows:

(1)	(2)	(3)
DIL	*14*	*P*
(1) = Casing type coded as in the list below and with lead numbering sequences as shown in the diagrams	(2) = Number of leads including blank positions	(3) = Main case body material denoted as belc
CHP = Chip, unencapsulated DIL = Dual in-line FLP = Flat pack TO5 = TO5 can VAR = Various alternatives XTR = Special	The number, N, of leads will be seen in the diagrams below to be always even.	C = Ceramic G = Glass M = Metal P = Plastic Q = Quartz window

CHP (Chip)

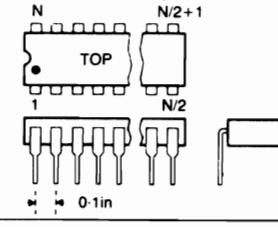
Thickness 0·2mm typ.

Edges 2–5mm typ.

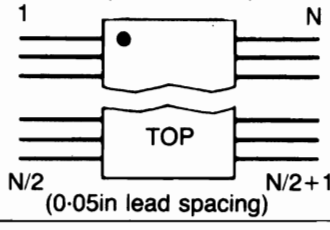
Bonding pads

(for details see manufacturer's data sheet)

DIL (Dual In-Line)

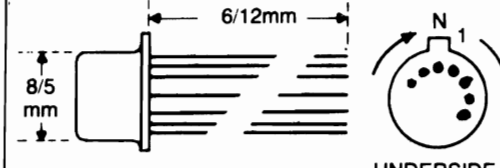


FLP (Flat Pack)



(0·05in lead spacing)

TO5 (TO5 Can)



XTR (Special)

non-standard package –
refer to manufacturer's data sheet

VAR (Various)

Indication of more than one package type

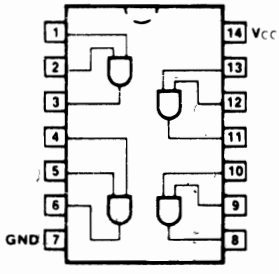
Appendix D Digital IC Logic Pinout Diagrams

(with codings for data tables)

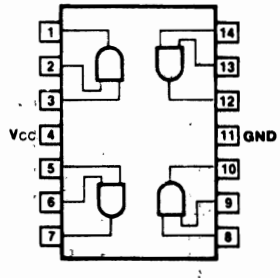
Diagrams (plan, top-view) arranged in groups according to following first letter of code:

A = AND gate/ *B* = Buffer, Bus driver/ *C* = Counter/ *D* = Decoder, Demultiplexer/ *E* = Expander/ *F* = Flip-flop/ *H* = Display controller/ *I* = Inverter/ *K* = Code converters/ *L* = Latch/ *M* = Multiplexer, Encoder/ *N* = NAND gate/ *O* = OR gate/ *P* = Parity generator-checker/ *Q* = NOR gate/ *R* = Register (shift and other)/ *S* = Memory (store)/ *T* = Transmitter-receiver, line/ *U* = Monostable/ *V* = Voltage controlled oscillator/ *W* = Microprocessor/ *X* = Exclusive OR gate, Exclusive NOR gate/ *Y* = AND-OR, AND-OR-Invert gates/ *Z* = Special function

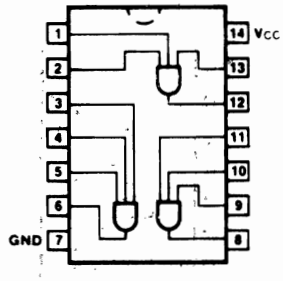
A001



A002



A003



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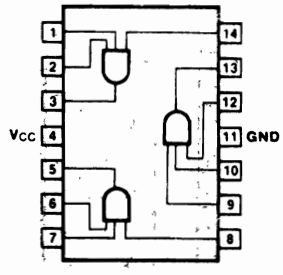

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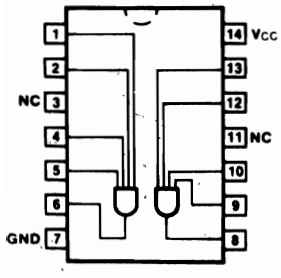

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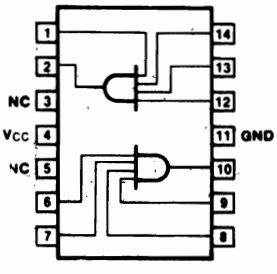

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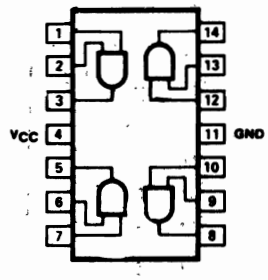
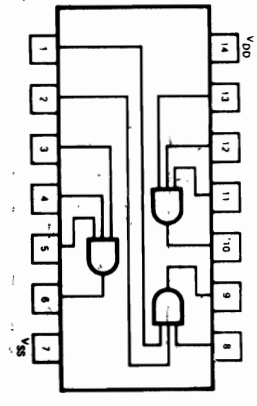


A008



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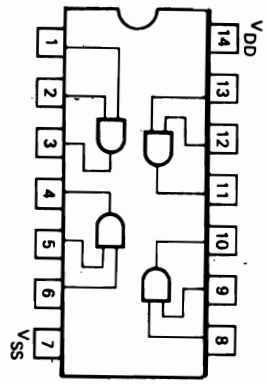

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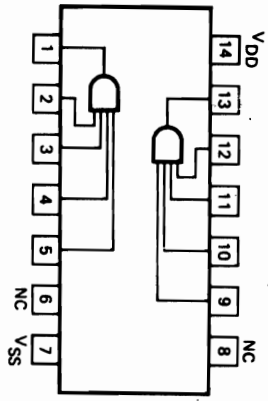

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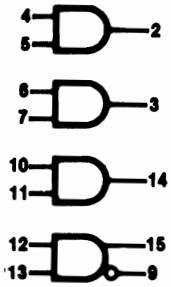
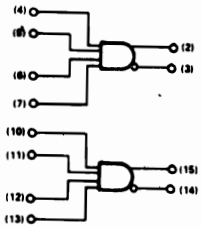


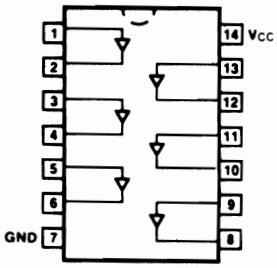
V_{CC1} = Pin 1
V_{CC2} = Pin 16
V_{EE} = Pin 8

A012



V_{CC1} = 1, V_{CC2} = 16, V_{EE} = 8
POSITIVE LOGIC: HIGH LEVEL "1"

B001



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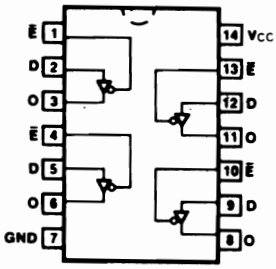

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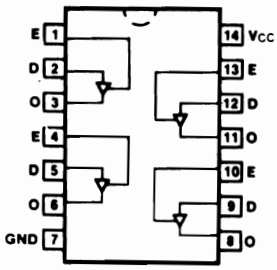

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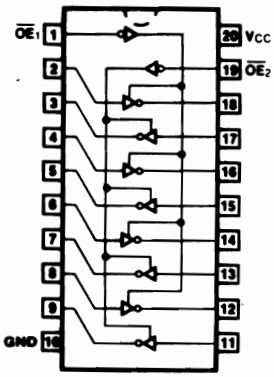

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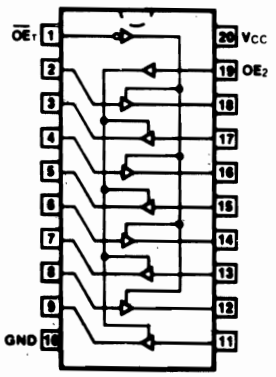

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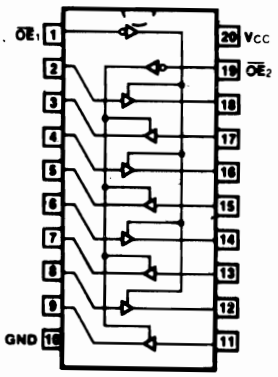

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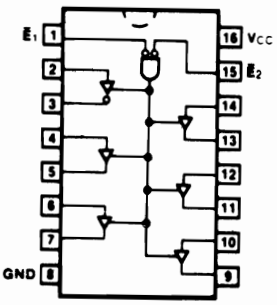

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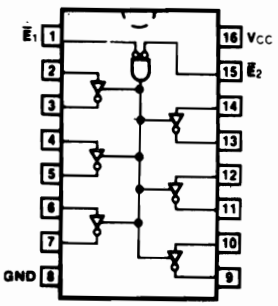

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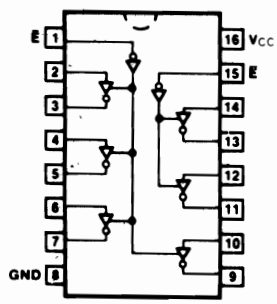

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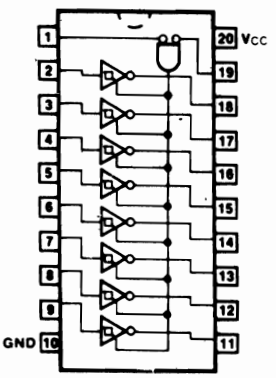

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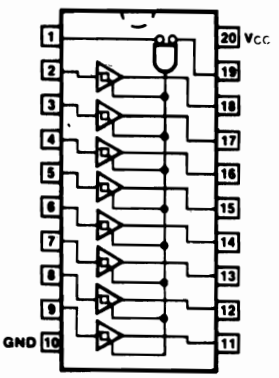

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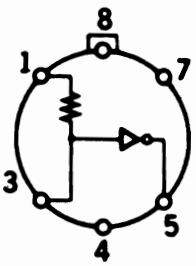

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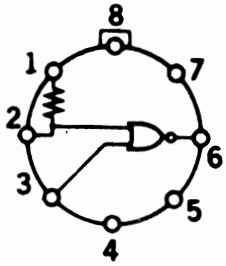

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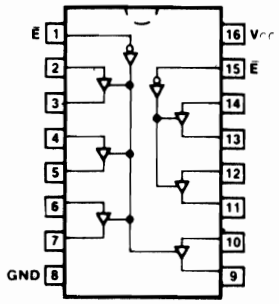

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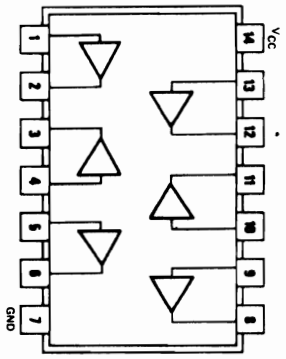

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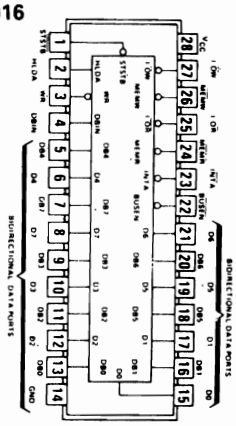

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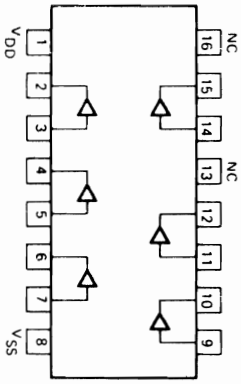

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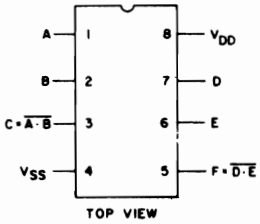
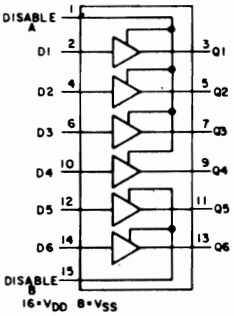


B019

B020



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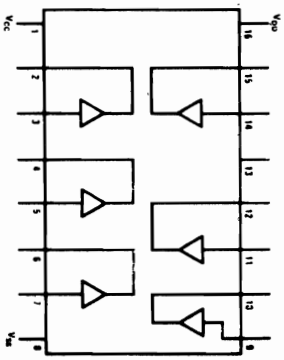

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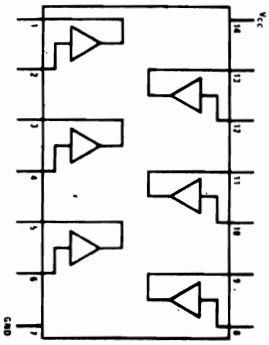

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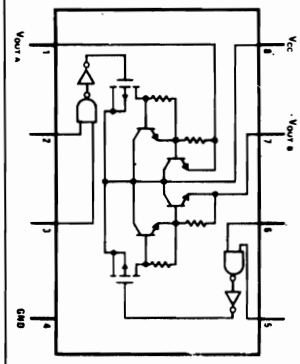

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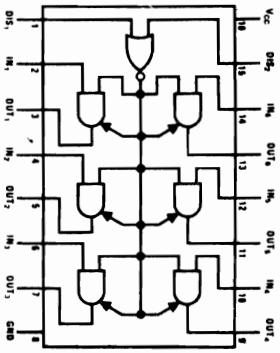

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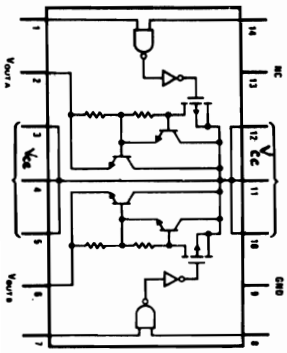

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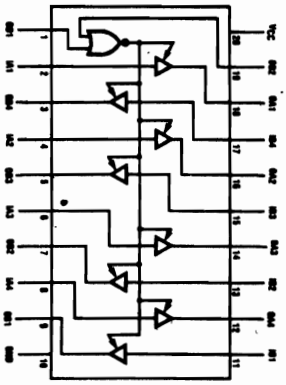

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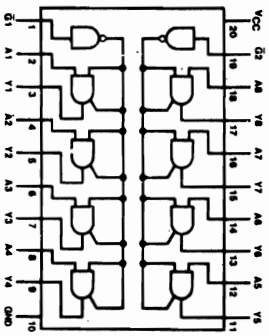

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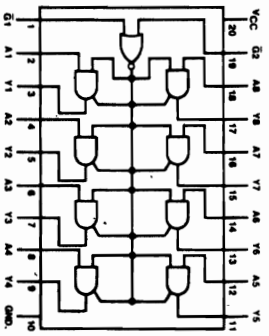

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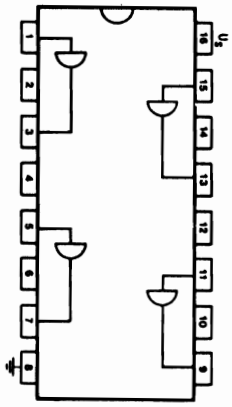

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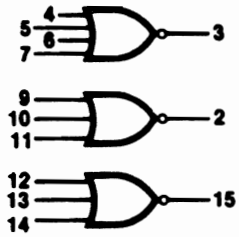
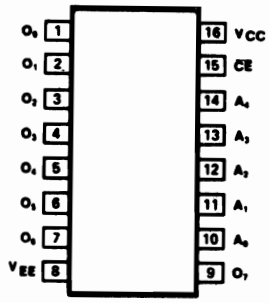


V_{CC1} = Pin 1
V_{CC2} = Pin 16
V_{EE} = Pin 8

B031



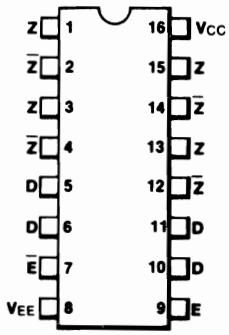
B032

As Z998

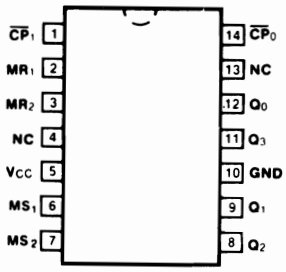
B033

As Z998

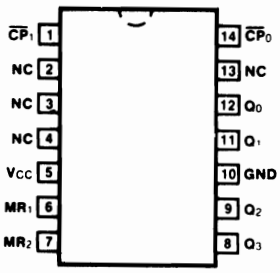
B034



C001



C002



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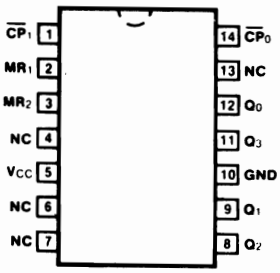

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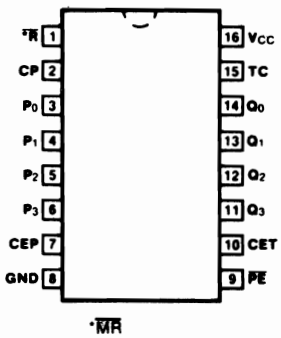

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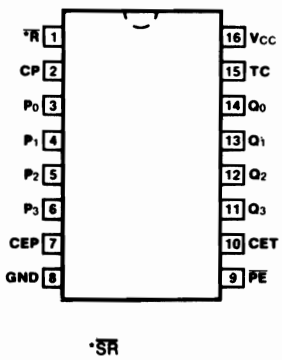

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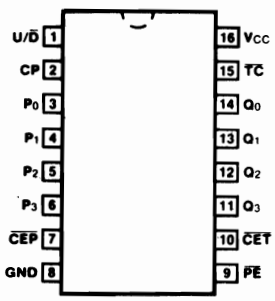

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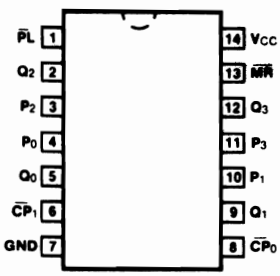

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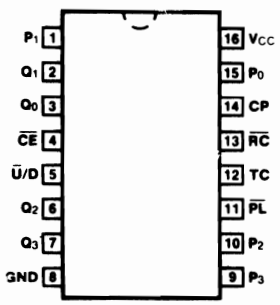
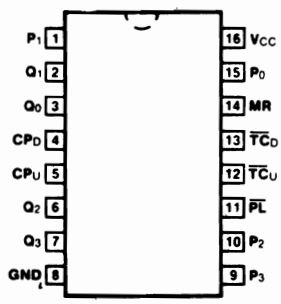
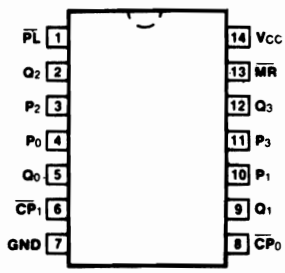


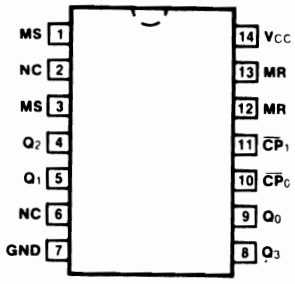
C009



C010



C011



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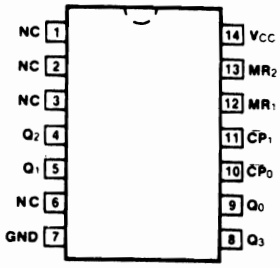
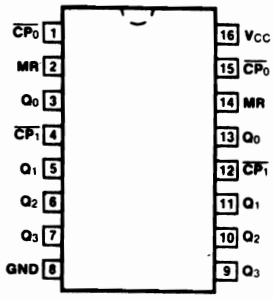
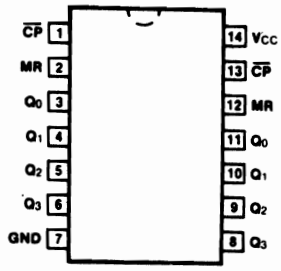


C013



C014



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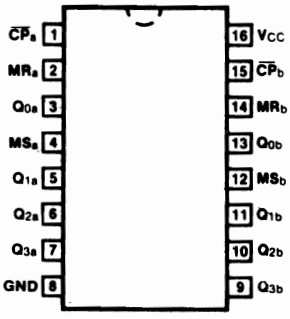
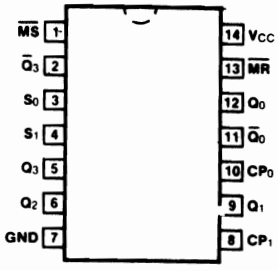
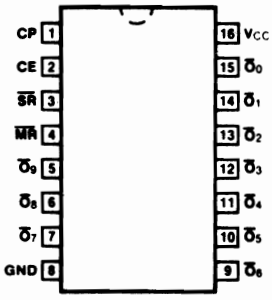


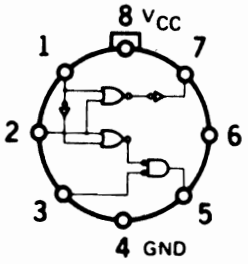
C016



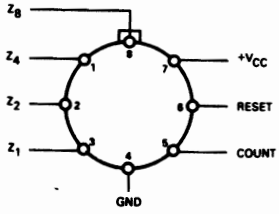
C017



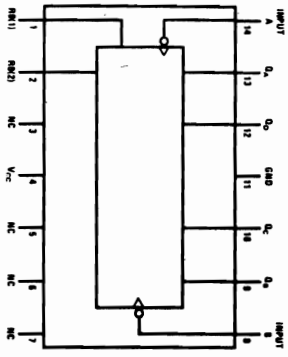
C018



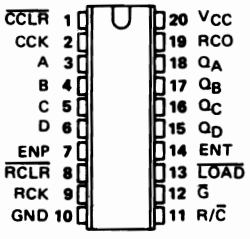
C019



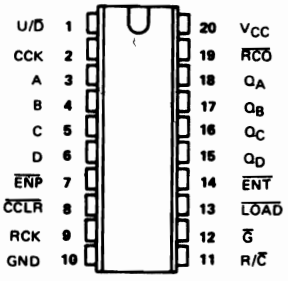
C020



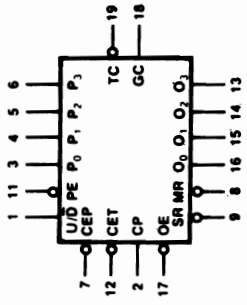
C021



C022

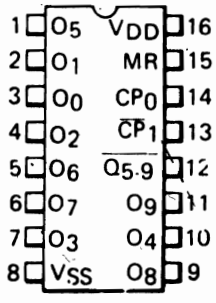


C023

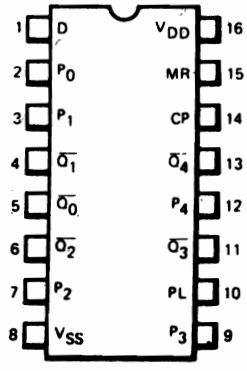


V_{CC} = Pin 20
GND = Pin 10

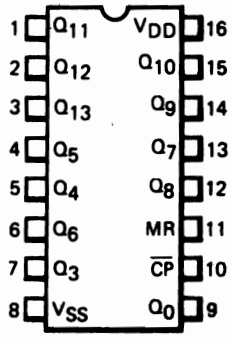
C024



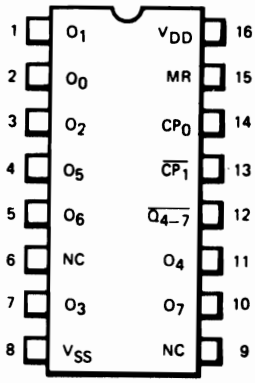
C025



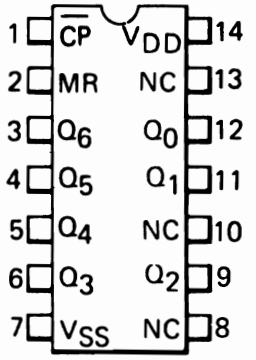
C026



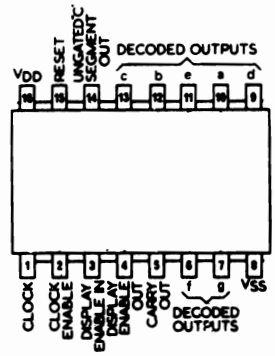
C027



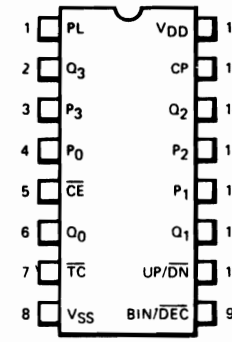
C028



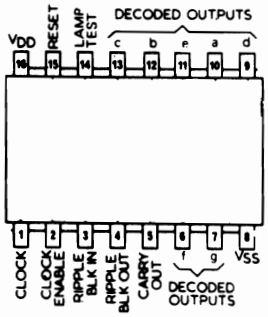
C029



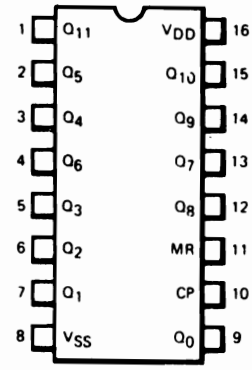
C030



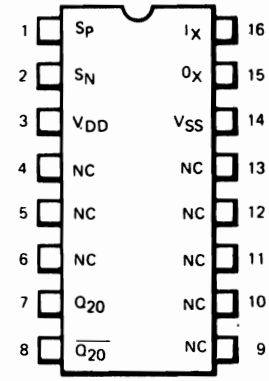
C031



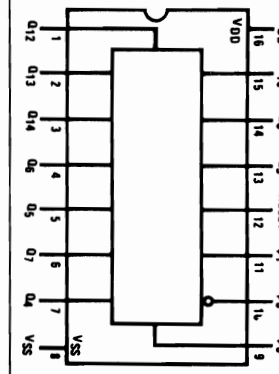
C032



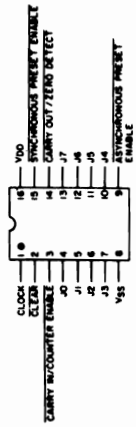
C033



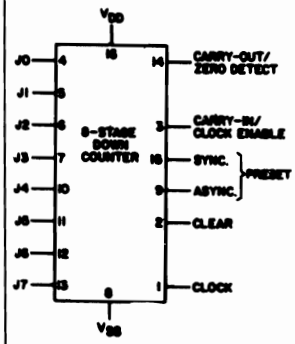
C034



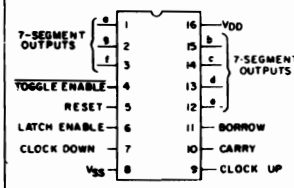
C035



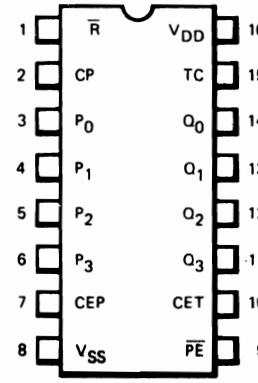
C036



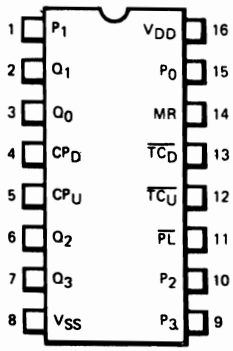
C037



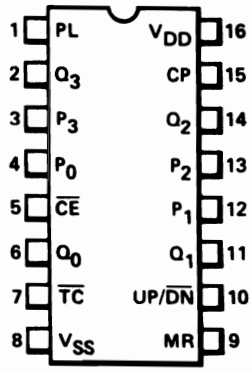
C038



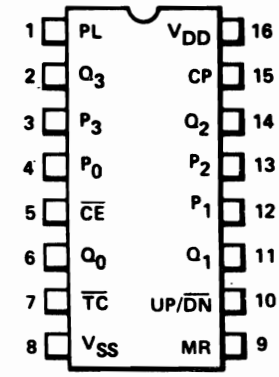
C039



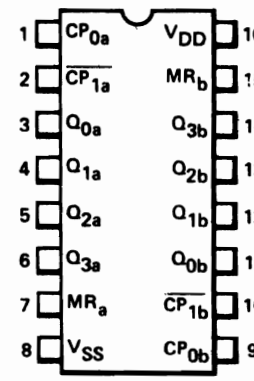
C040



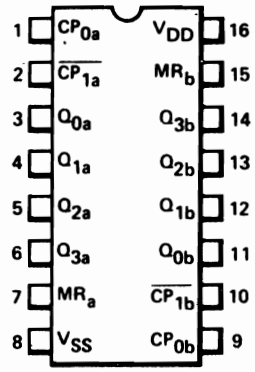
C041



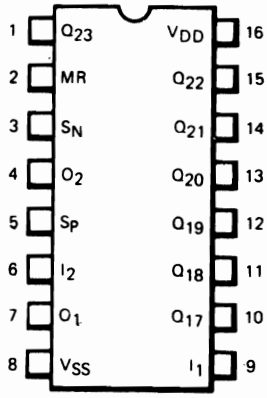
C042



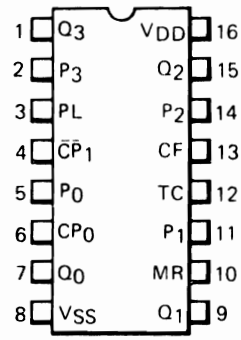
C043



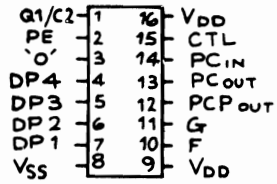
C044



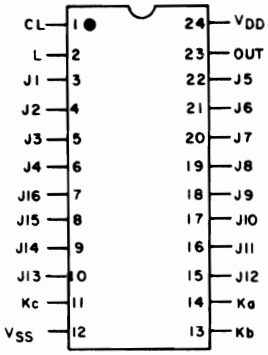
C045



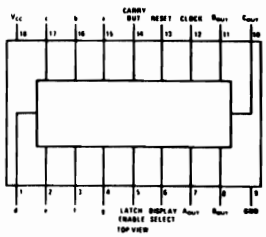
C046



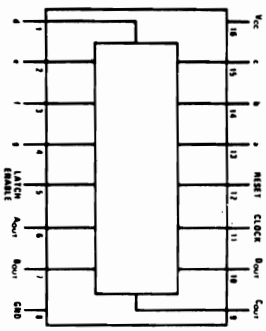
C047



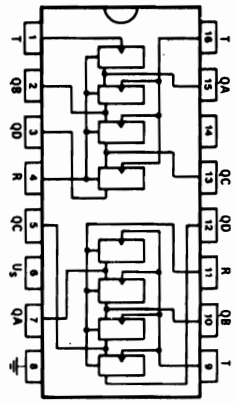
C048



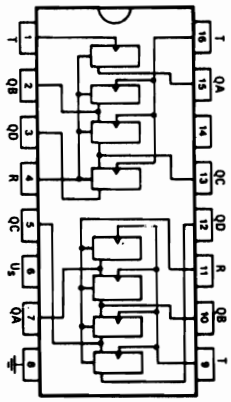
C049



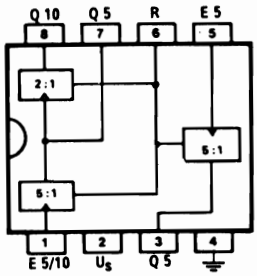
C050



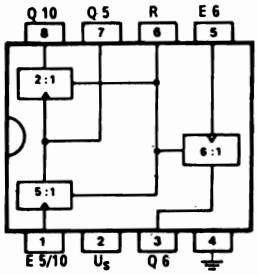
C051



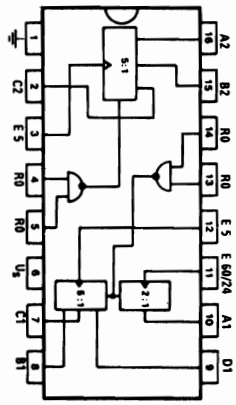
C052



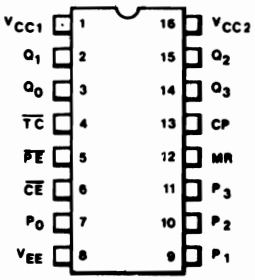
C053



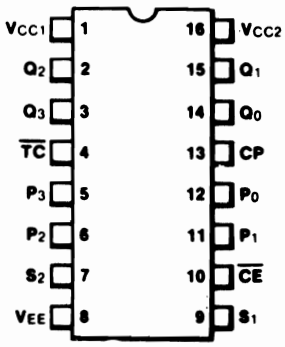
C054



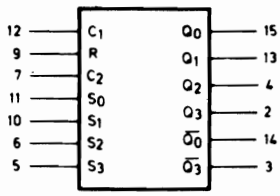
C055



C056

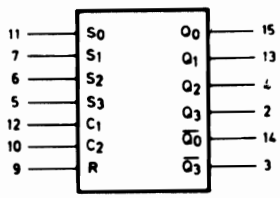


C057



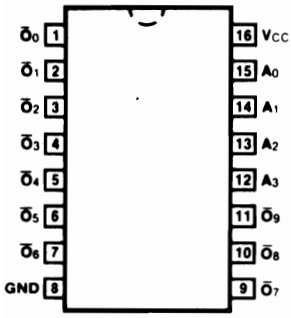
$V_{CC1} = 1$
$V_{CC2} = 16$
$V_{EE} = 8$

C058

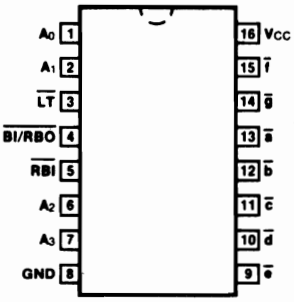


V_{CC1} — pin 1,
V_{CC2} — pin 16,
V_{EE} — pin 8,

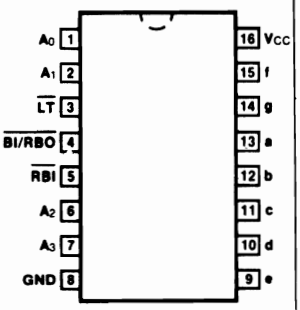
D001



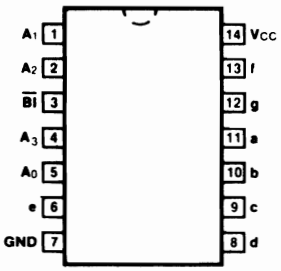
D002



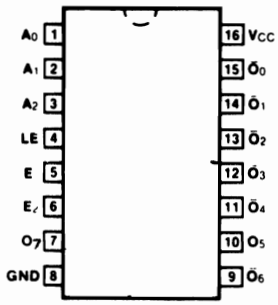
D003



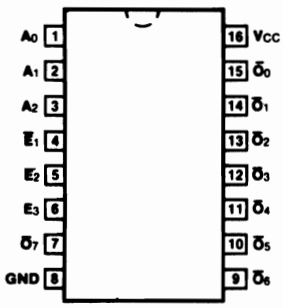
D004



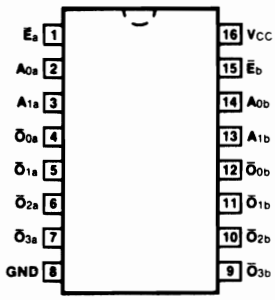
D005



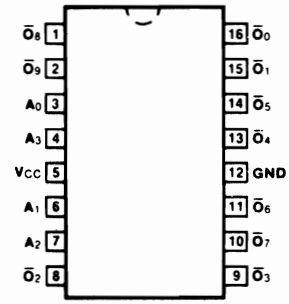
D006



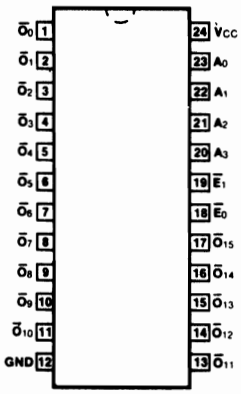
D007



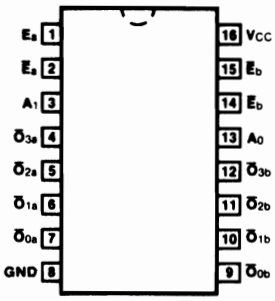
D008



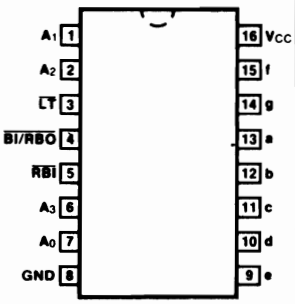
D009



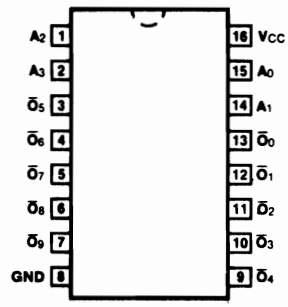
D010



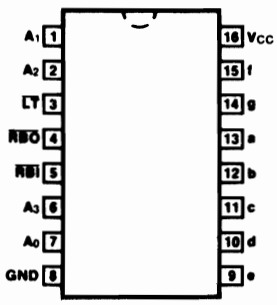
D011



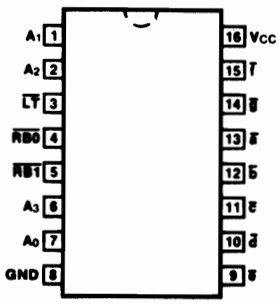
D012



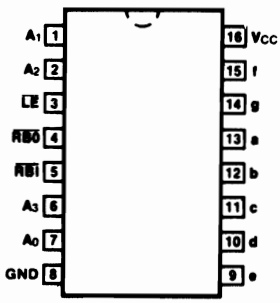
D013



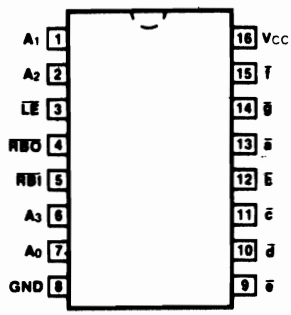
D014



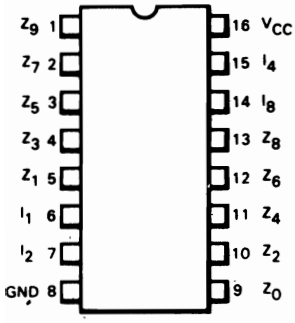
D015



D016



D017



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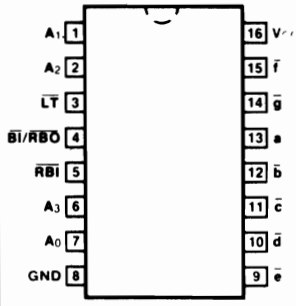

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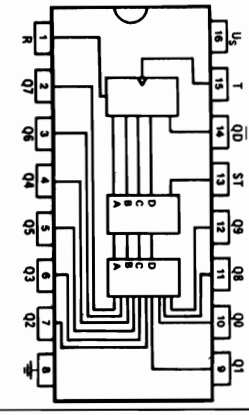

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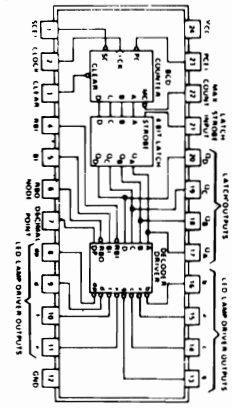

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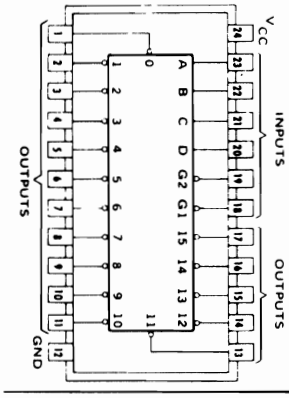

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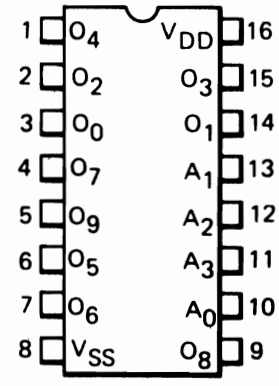

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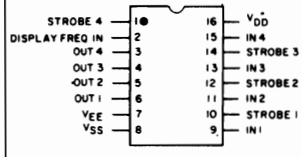

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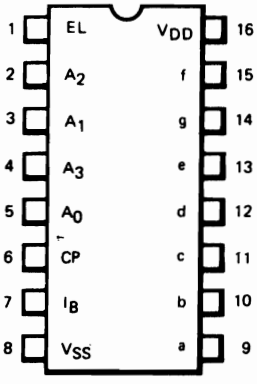

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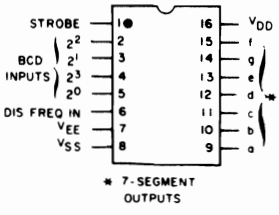

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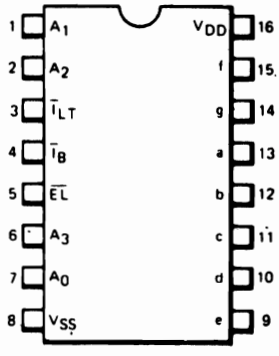

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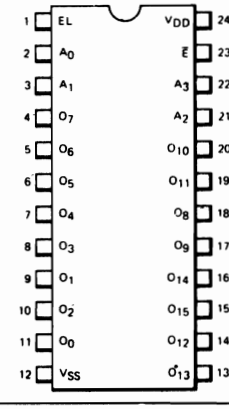

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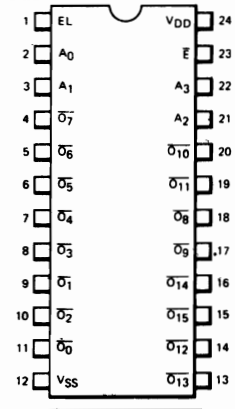

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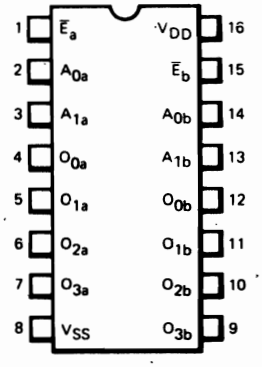

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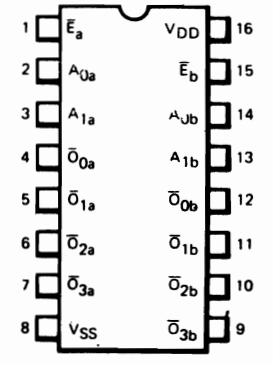

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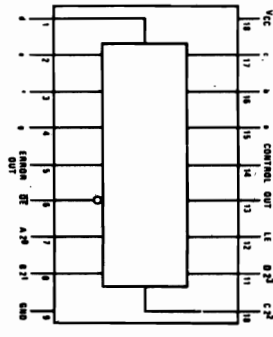

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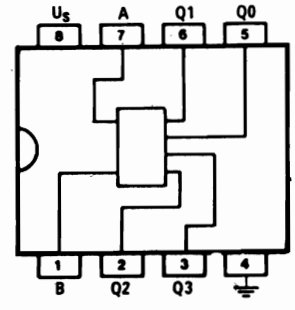

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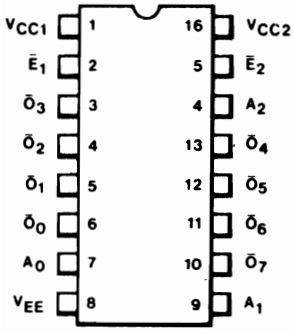

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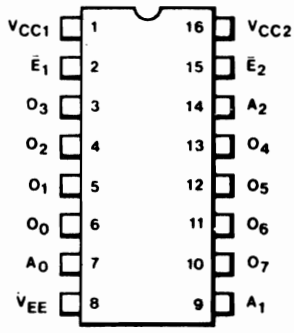

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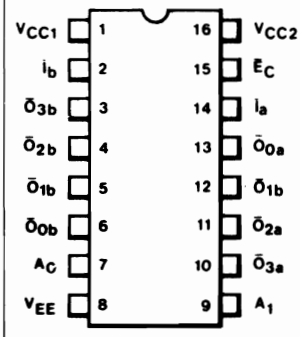

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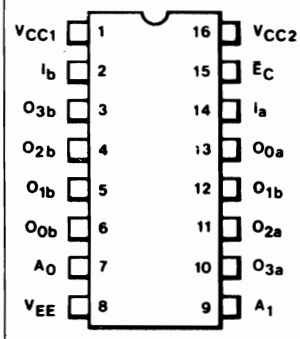

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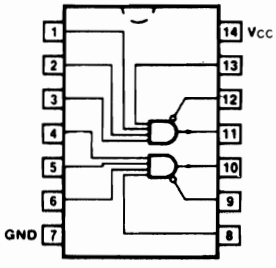

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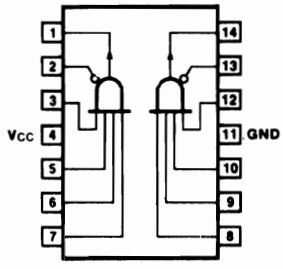

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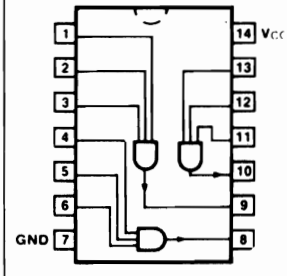

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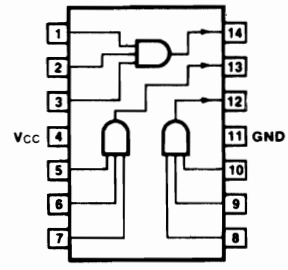

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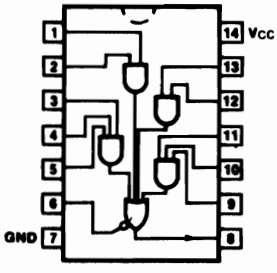

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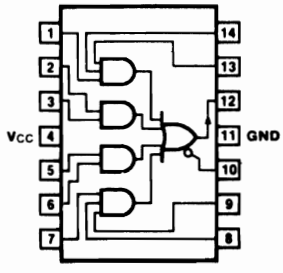

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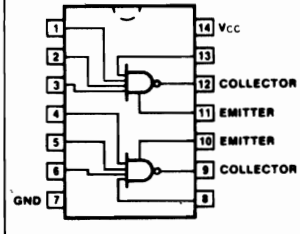

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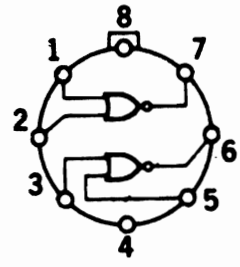

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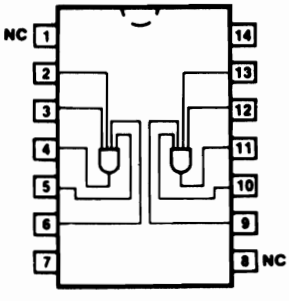

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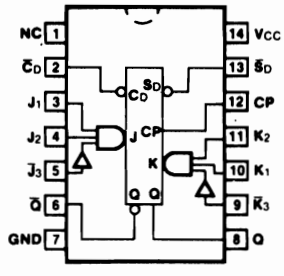

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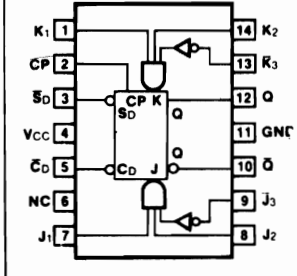

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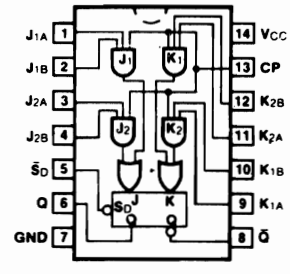

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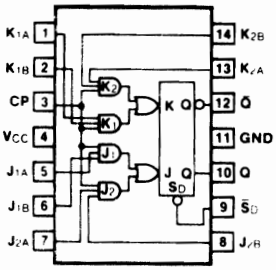

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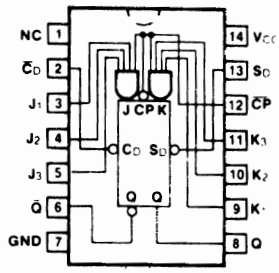

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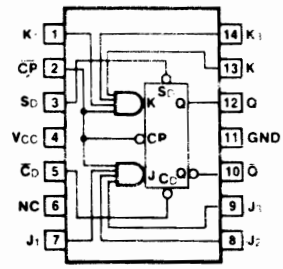

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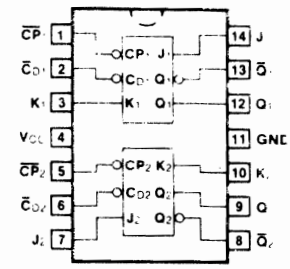

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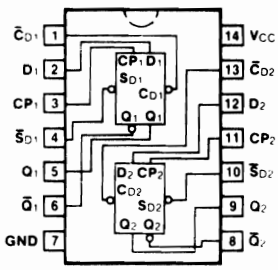

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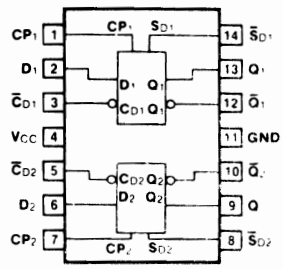

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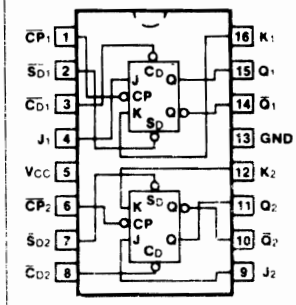

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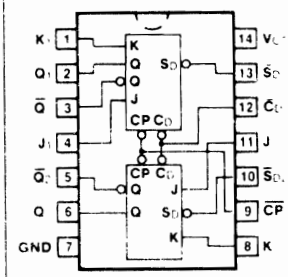

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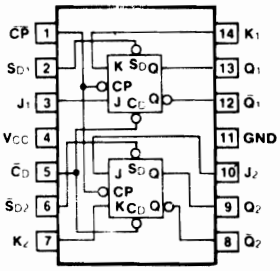

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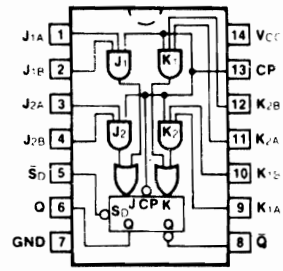

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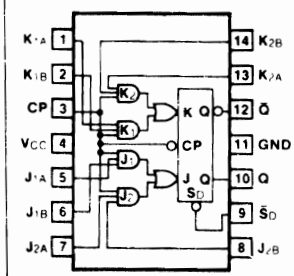

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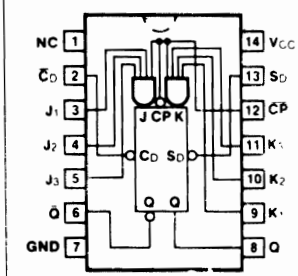

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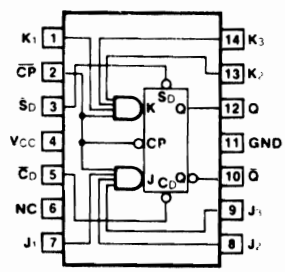

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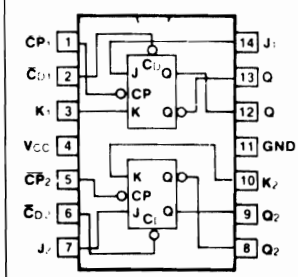

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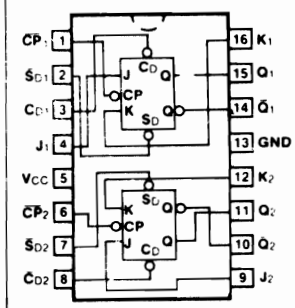

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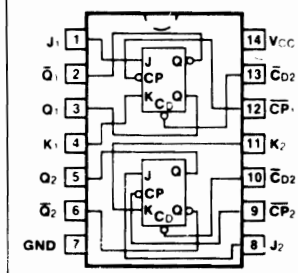

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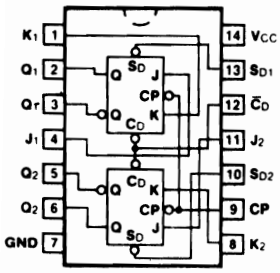

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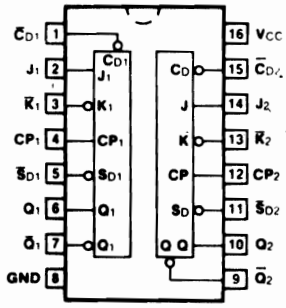

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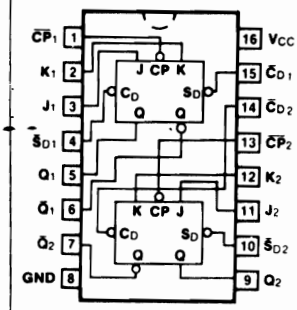

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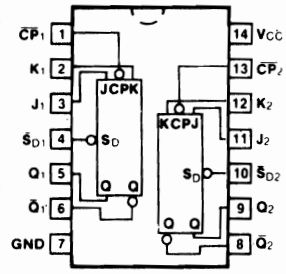

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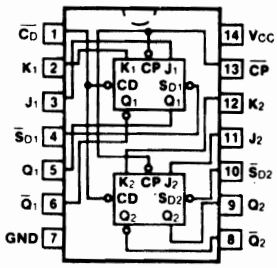

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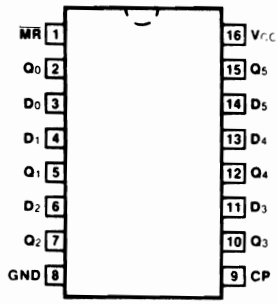

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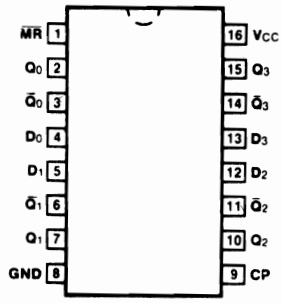

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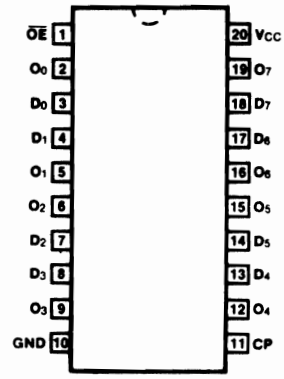

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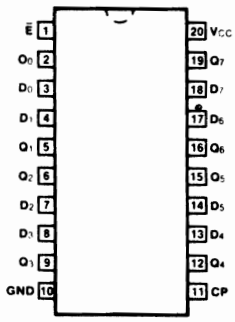

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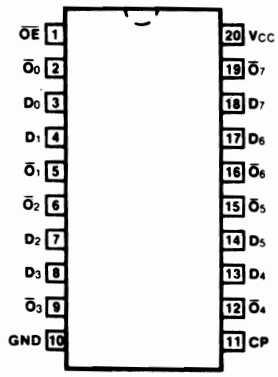

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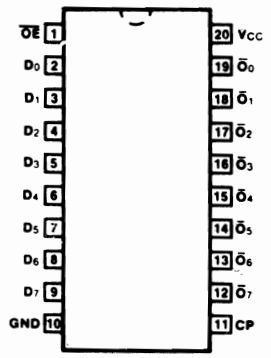

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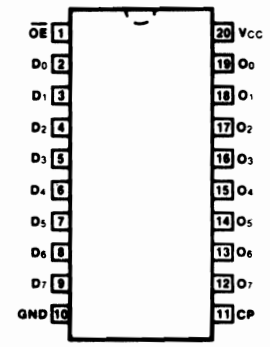

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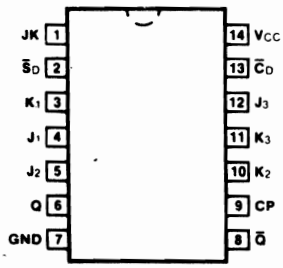

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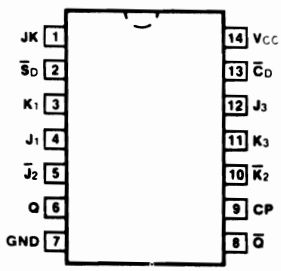

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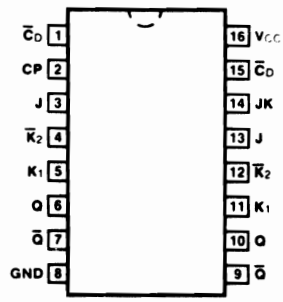

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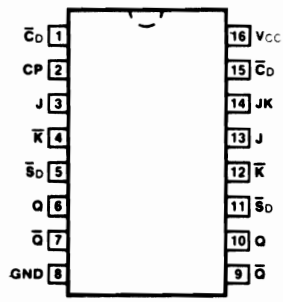

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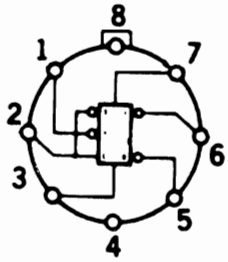

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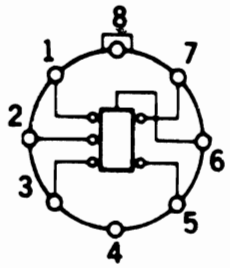

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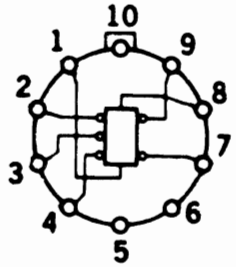

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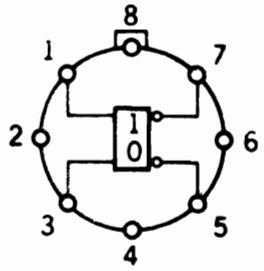

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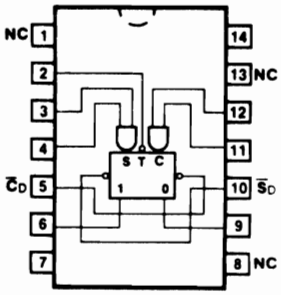

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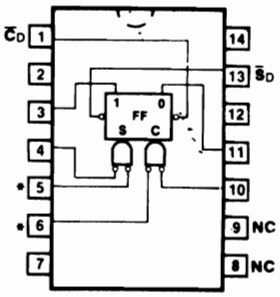

*These inputs are capacitively coupled.

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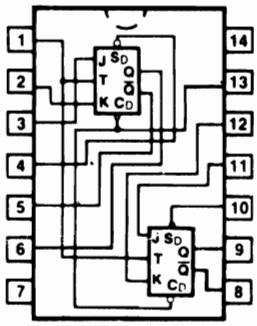

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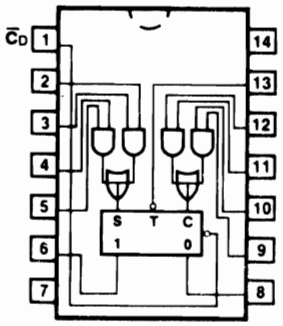

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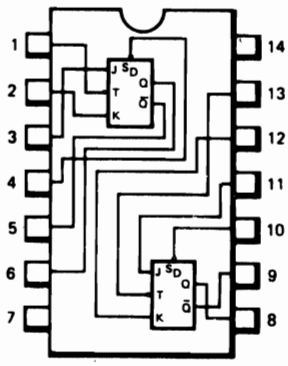

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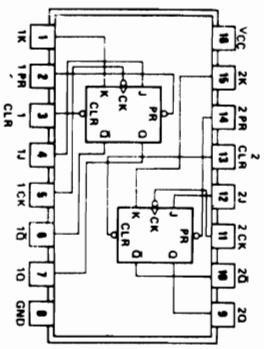

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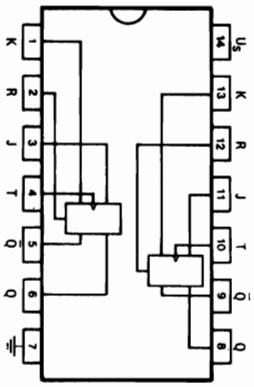

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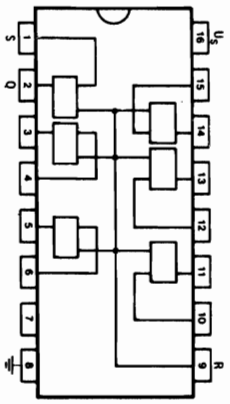

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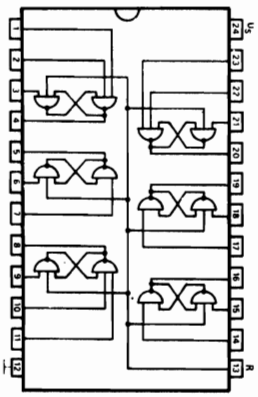

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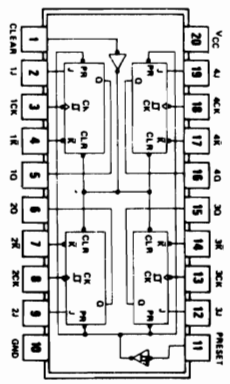

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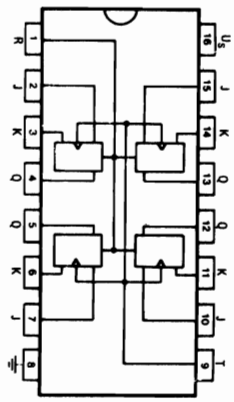

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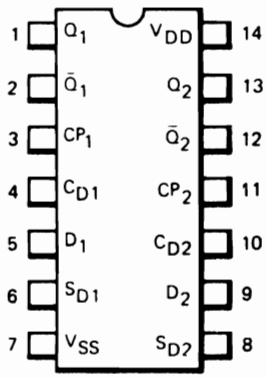

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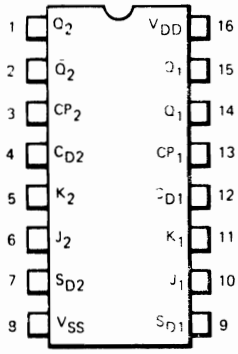

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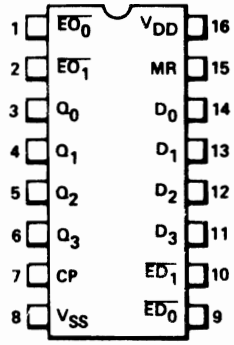

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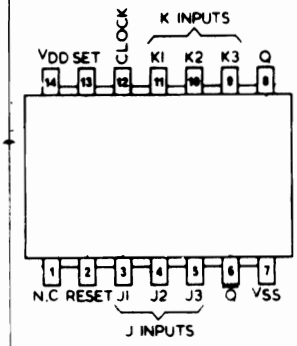

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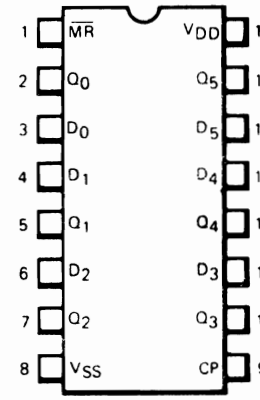

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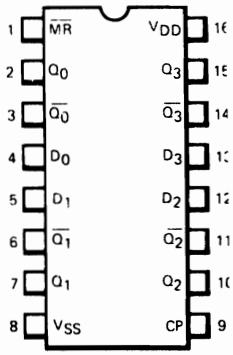

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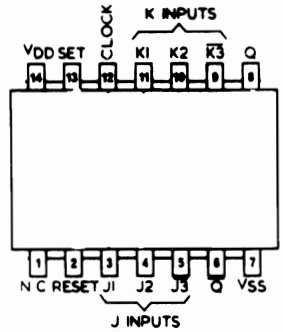

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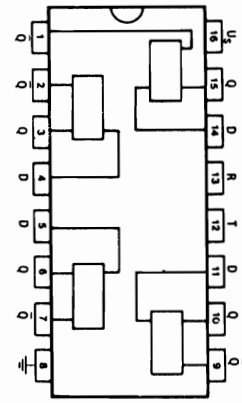

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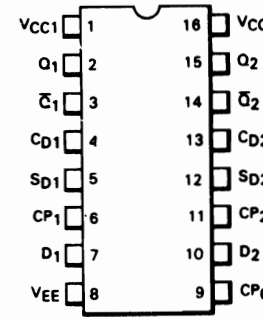

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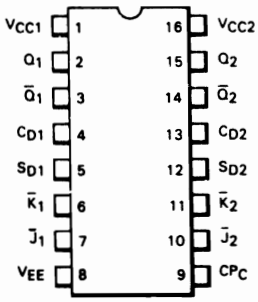

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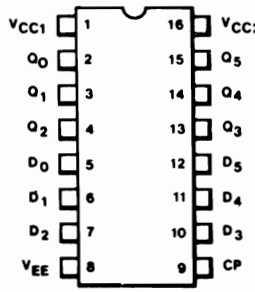

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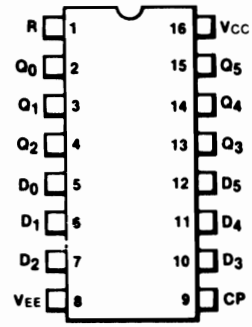

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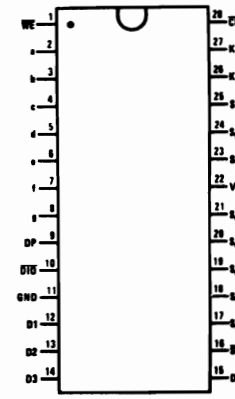

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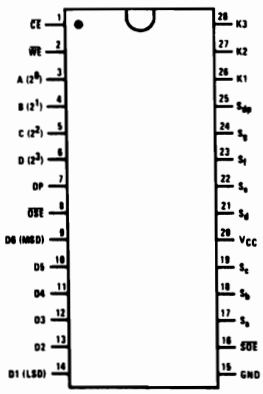

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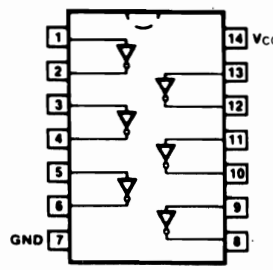

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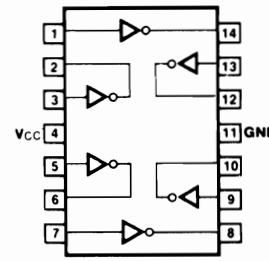

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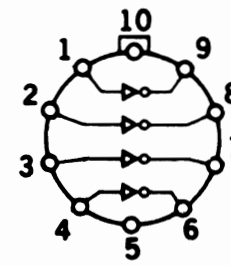

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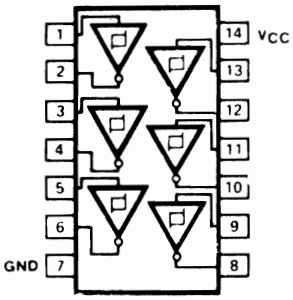

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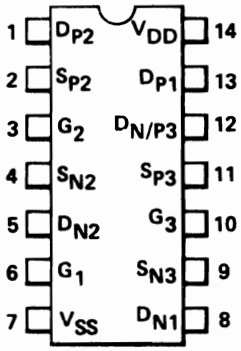

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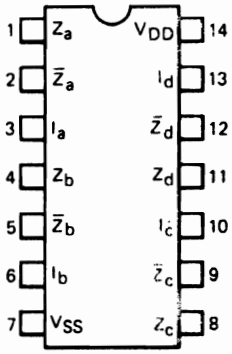

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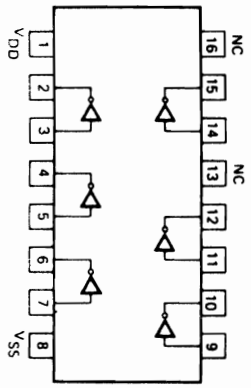

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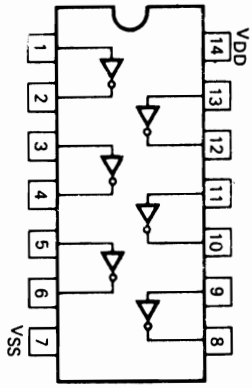

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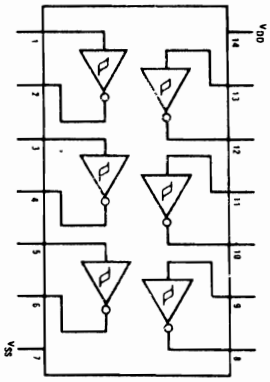

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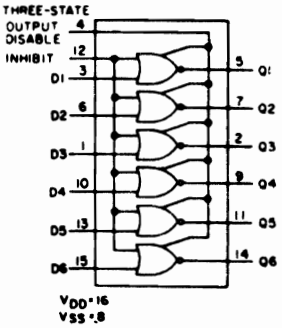

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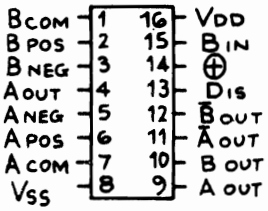

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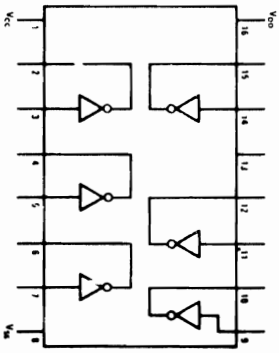

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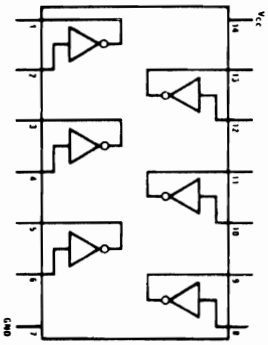

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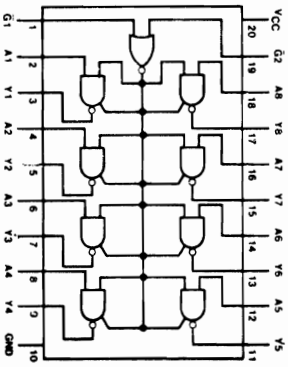

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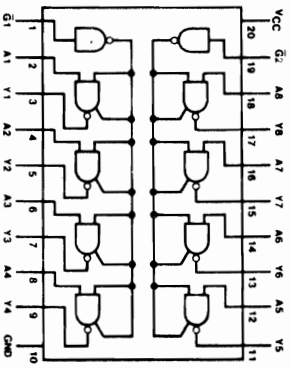

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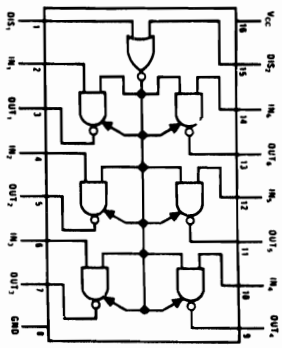

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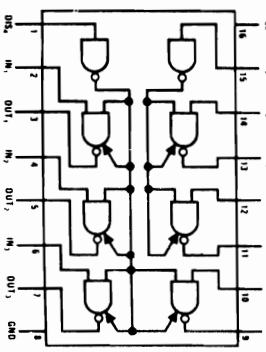

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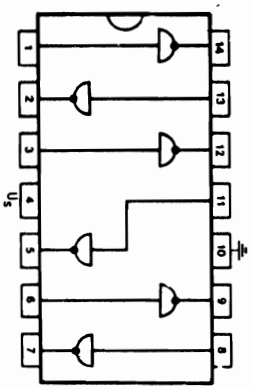

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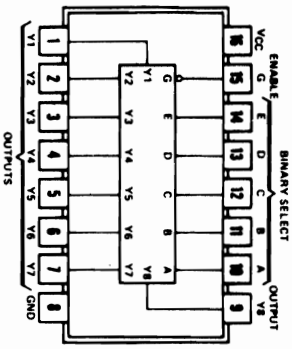

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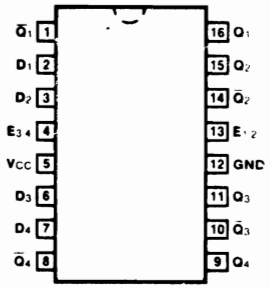

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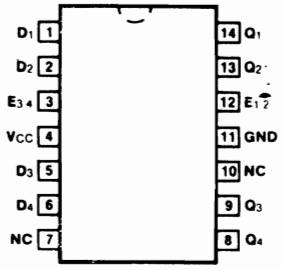

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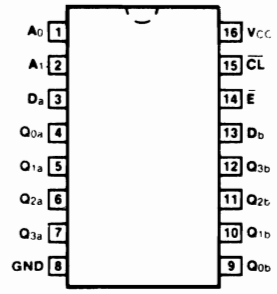

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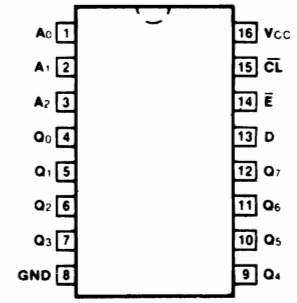

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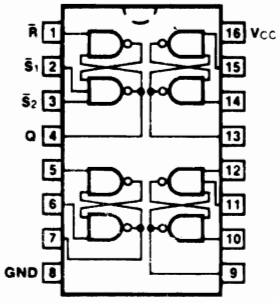

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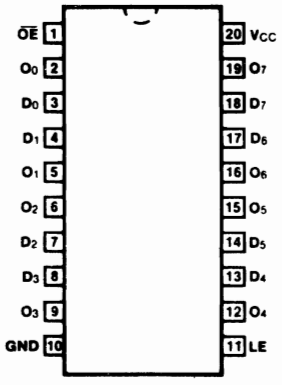

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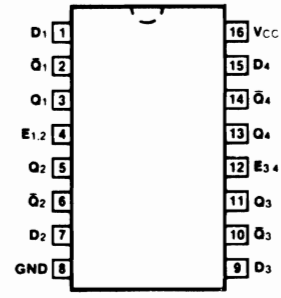

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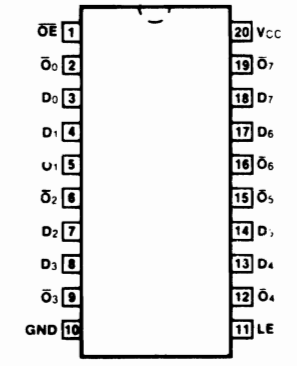

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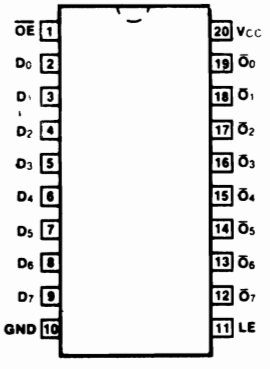

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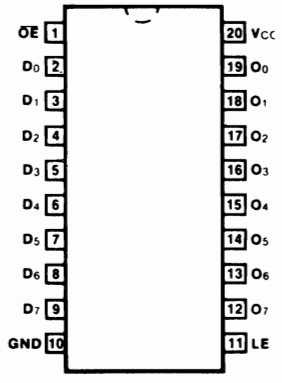

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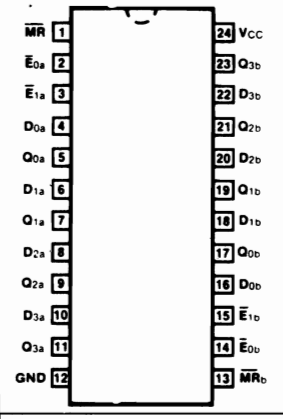

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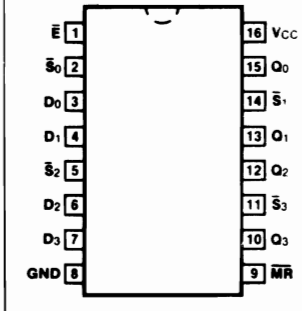

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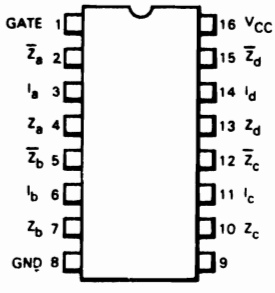

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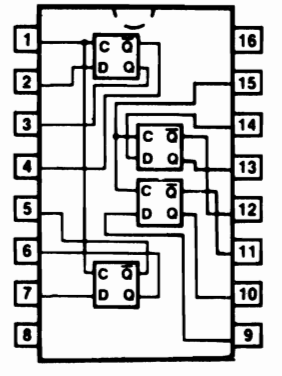

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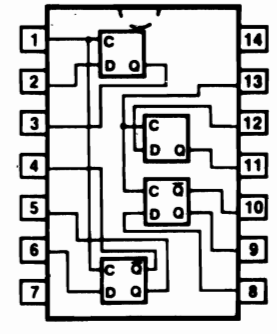

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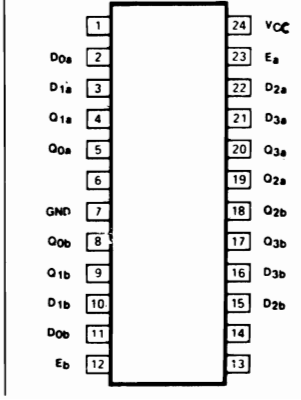

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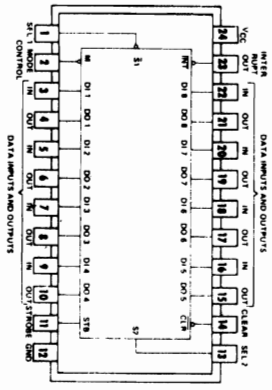

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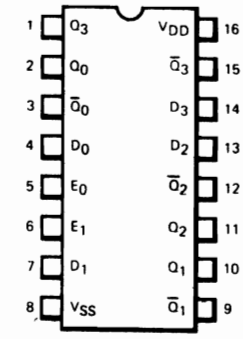

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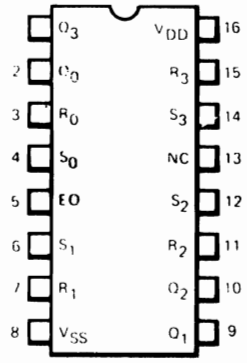

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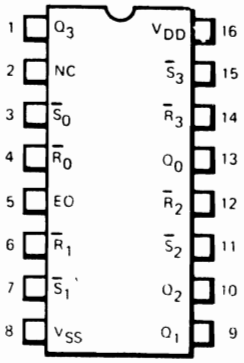

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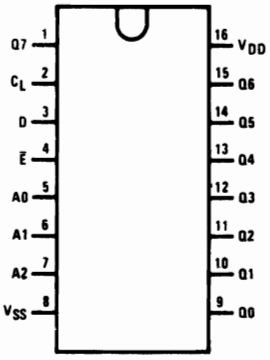

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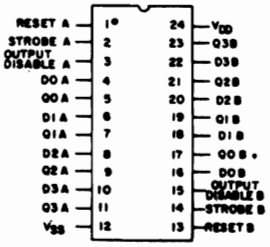

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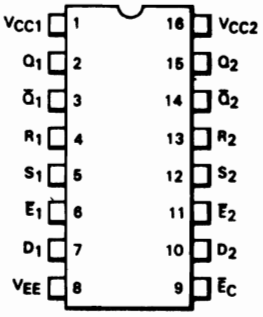

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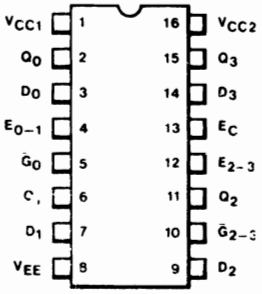

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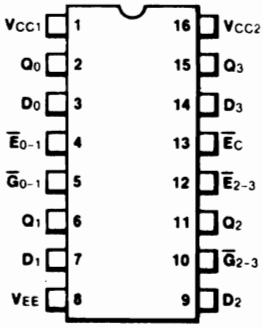

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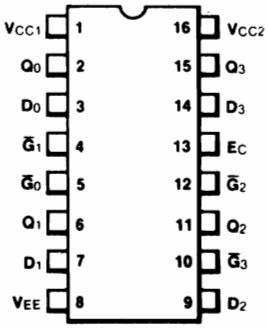

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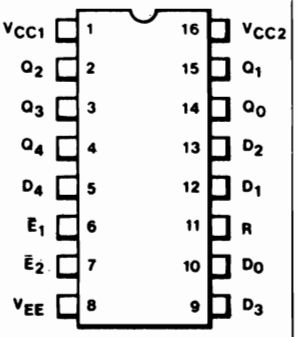

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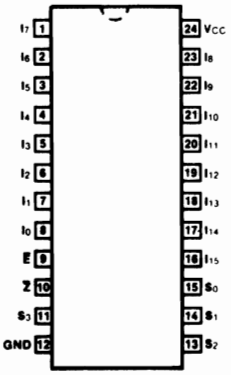

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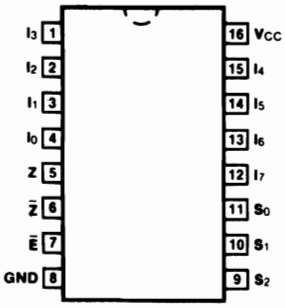

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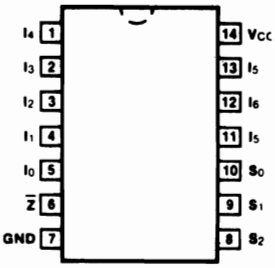

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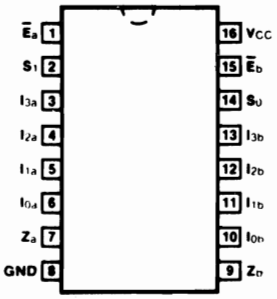

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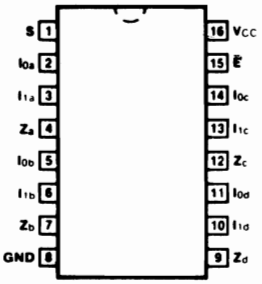

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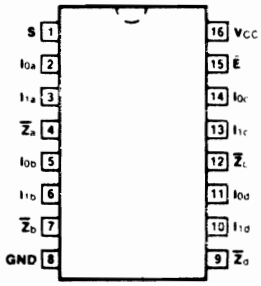

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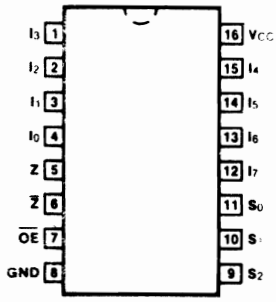

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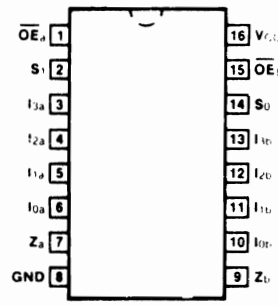

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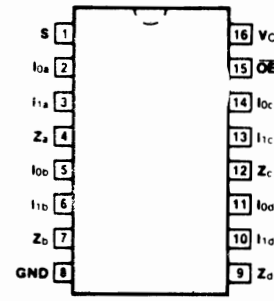

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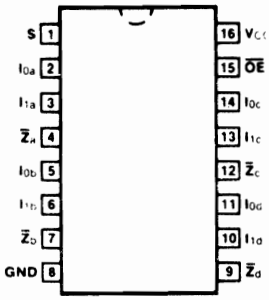

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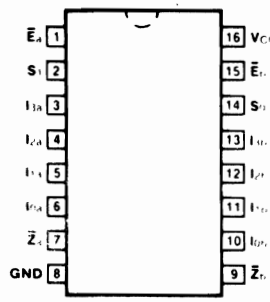

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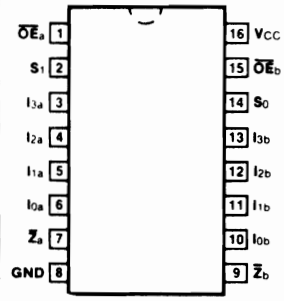

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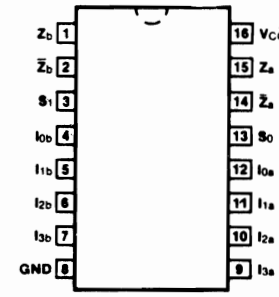

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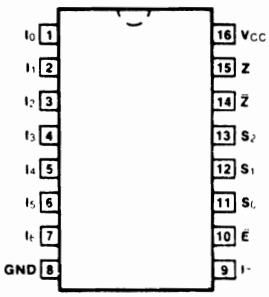

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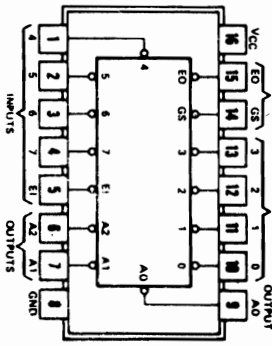

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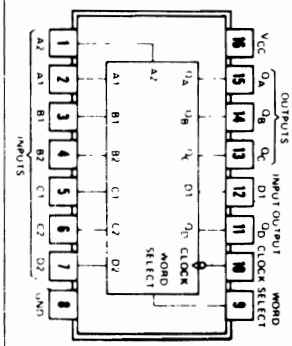

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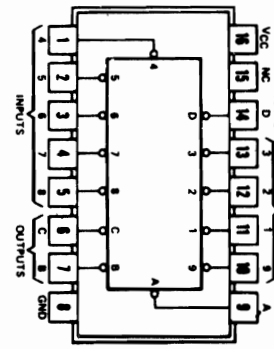

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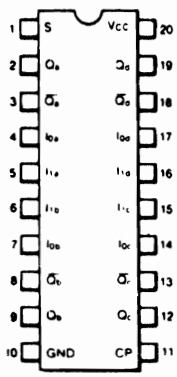

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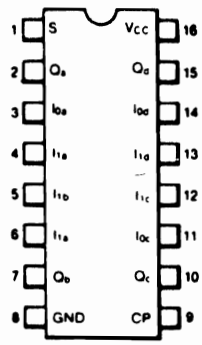

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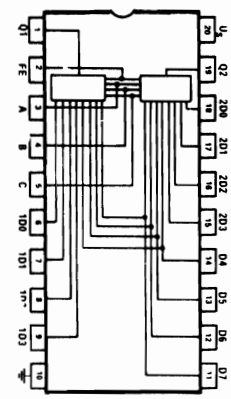

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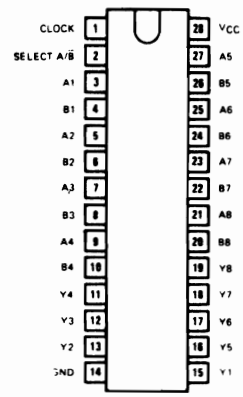

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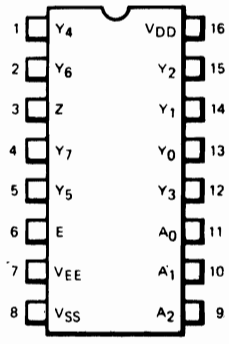

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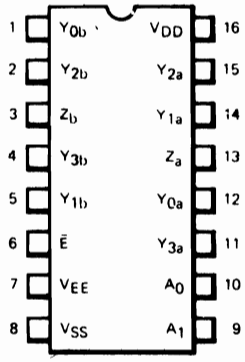

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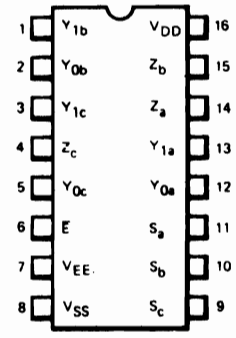

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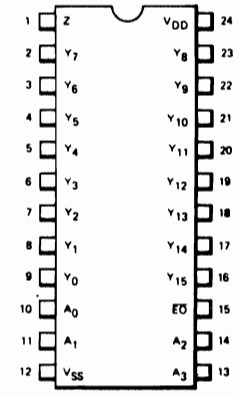

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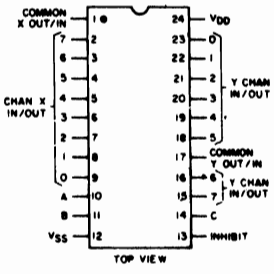

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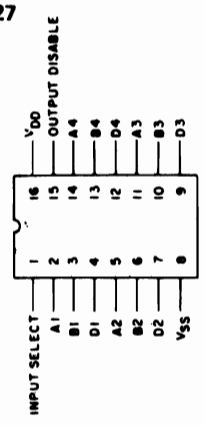

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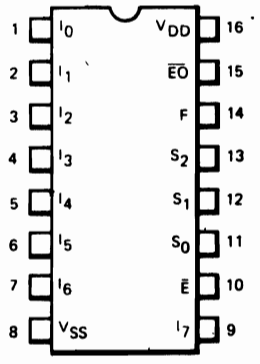

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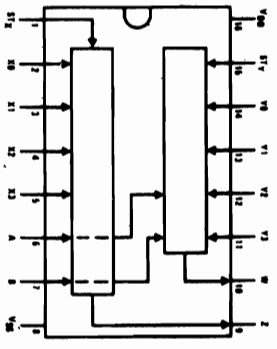

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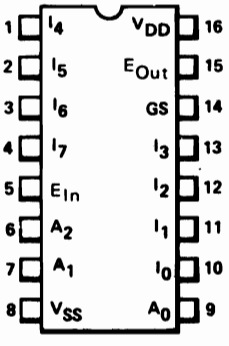

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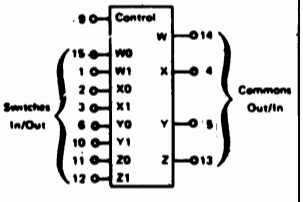

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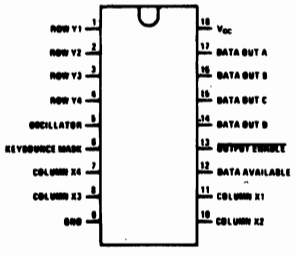

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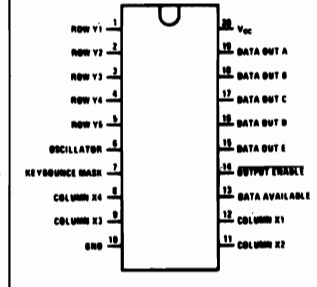

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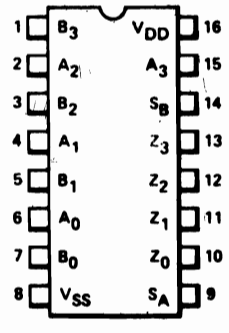

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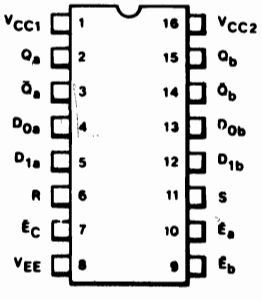

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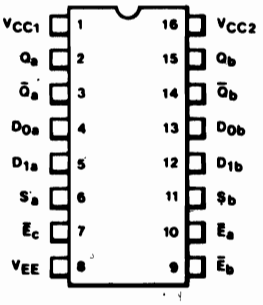

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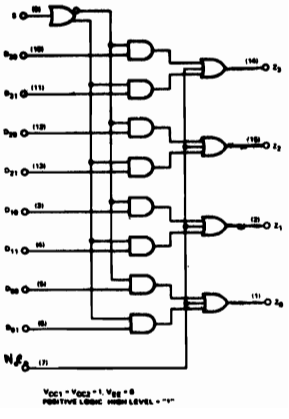

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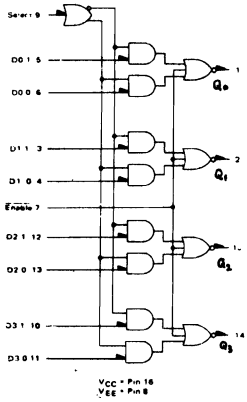
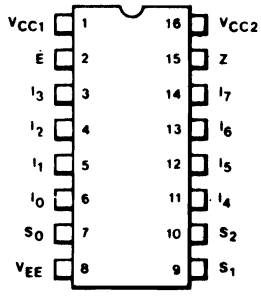
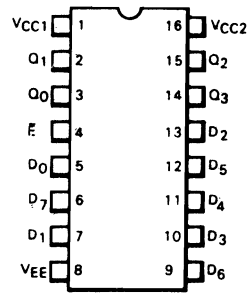


M039



M040



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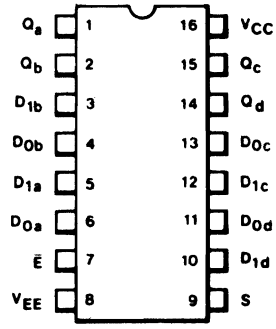

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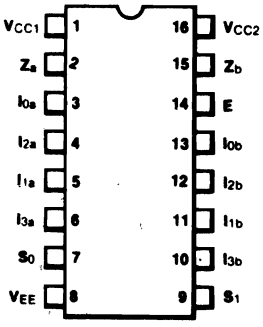

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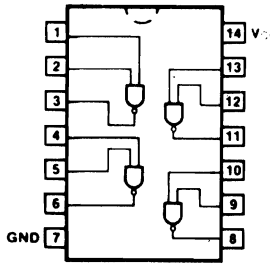

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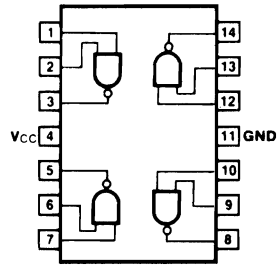

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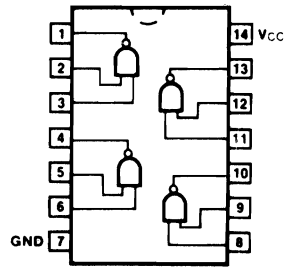

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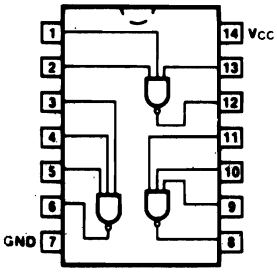

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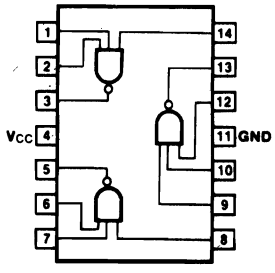

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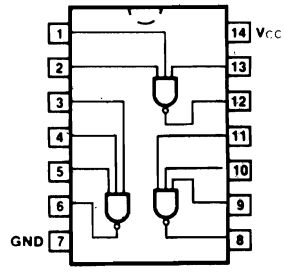

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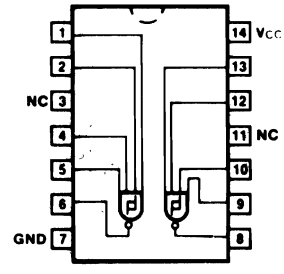

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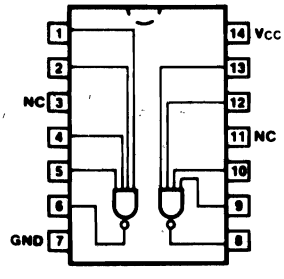

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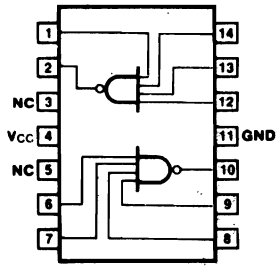

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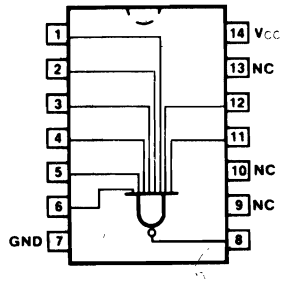

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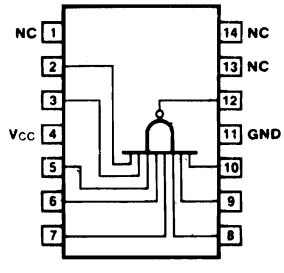

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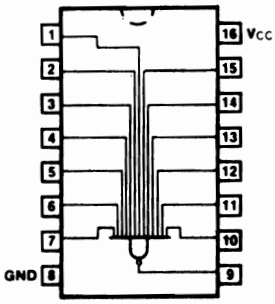

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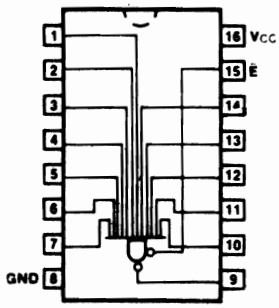

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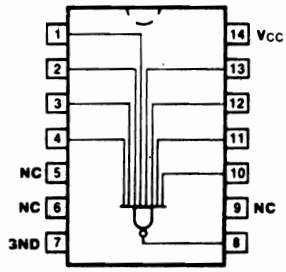

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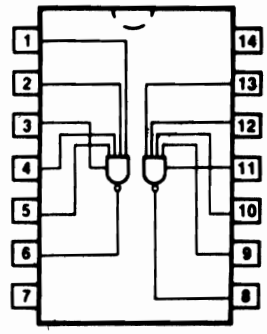

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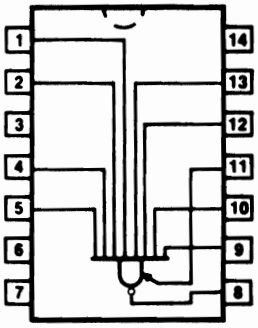

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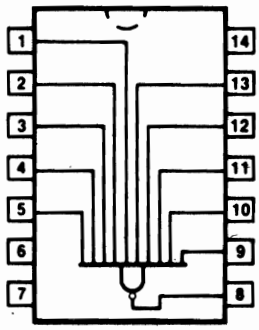

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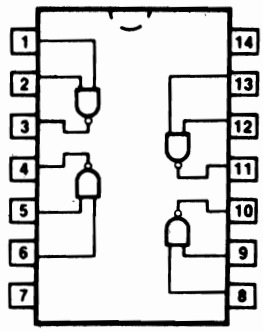

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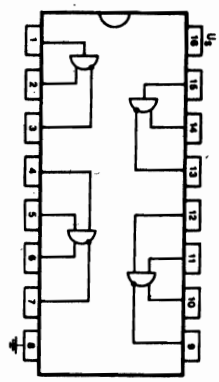

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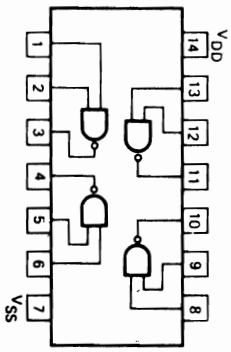

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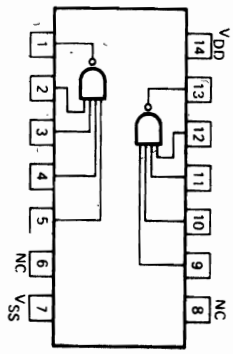

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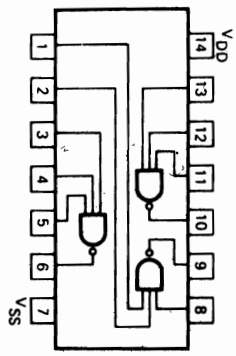

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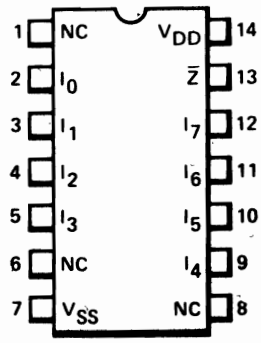

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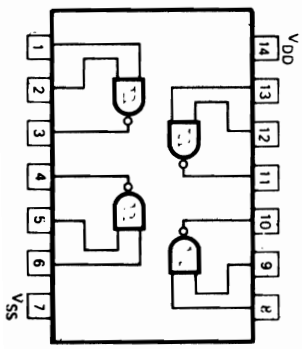

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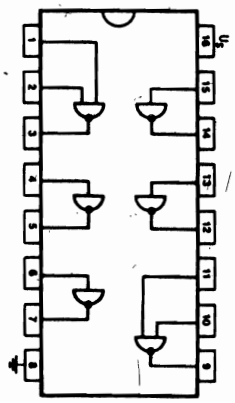

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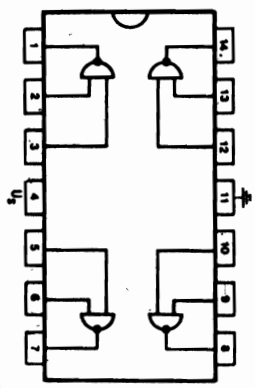

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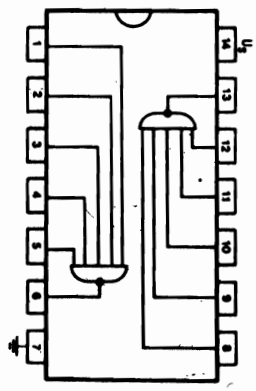

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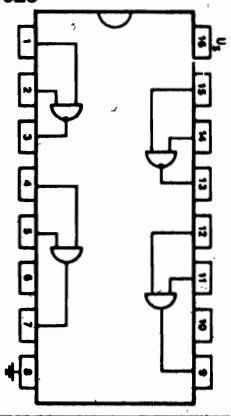

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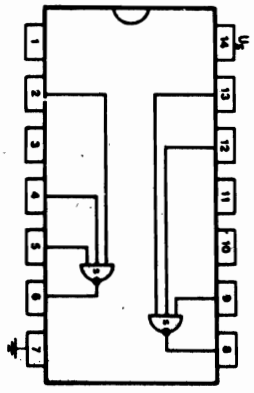
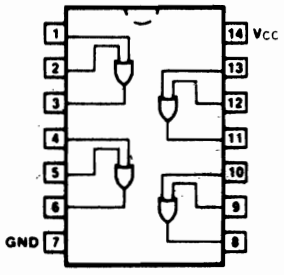
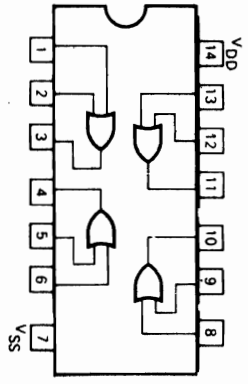


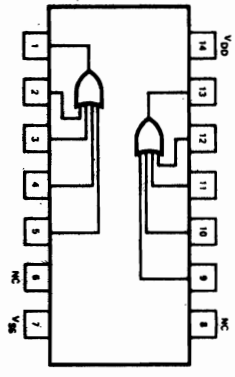
O001



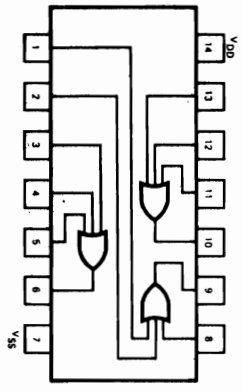
O002



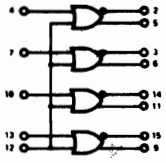
O003



O004

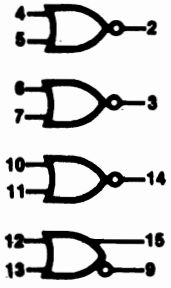


O005



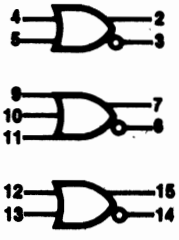
V_{CC1} = 1, V_{CC2} = 16, V_{EE} = 8
POSITIVE LOGIC: HIGH LEVEL = "1"

O006



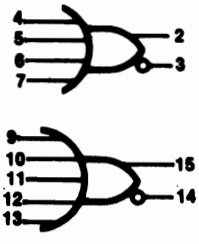
V_{CC1} = Pin 1
V_{CC2} = Pin 16
V_{EE} = Pin 8

O007



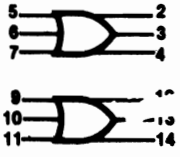
V_{CC1} = Pin 1
V_{CC2} = Pin 16
V_{EE} = Pin 8

O008



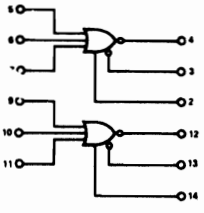
V_{CC1} = Pin 1
V_{CC2} = Pin 16
V_{EE} = Pin 8

O009



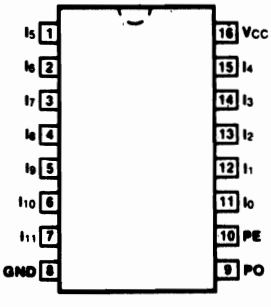
V_{CC1} = Pin 1
V_{CC2} = Pin 16
V_{EE} = Pin 8

O010

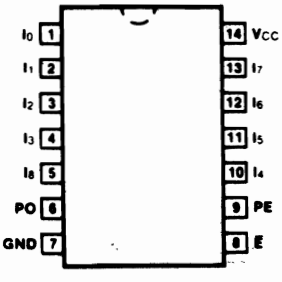


V_{CC1} = 1, 15, V_{CC2} = 16, V_{EE} = 8
POSITIVE LOGIC: HIGH LEVEL = '1'

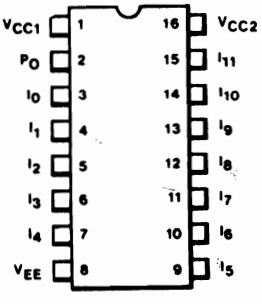
P001



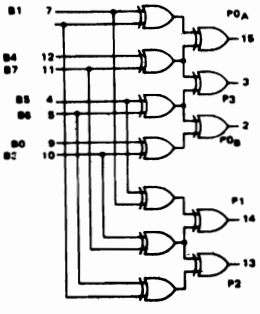
P002



P003

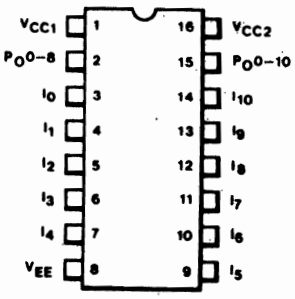


P004

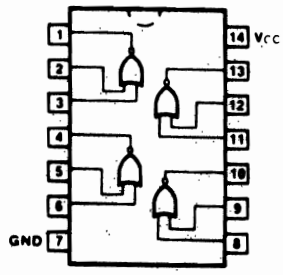


V_{CC1} = Pin 1
V_{CC2} = Pin 16
V_{EE} = Pin 8

P005



Q001



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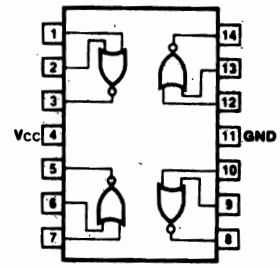
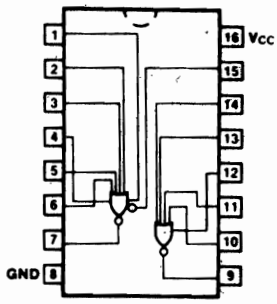
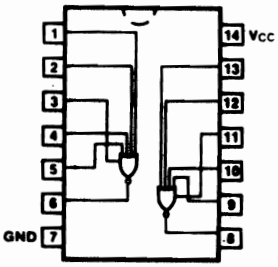


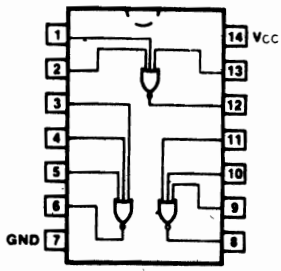
Q003



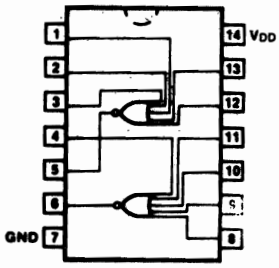
Q004



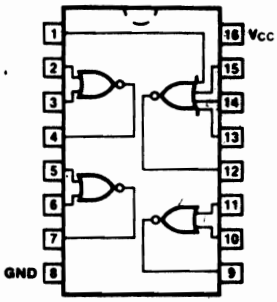
Q005



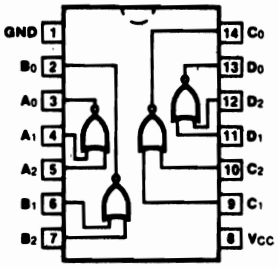
Q006



Q007



Q008



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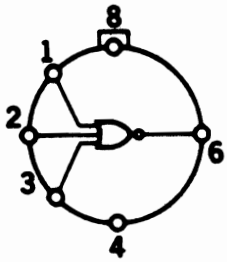
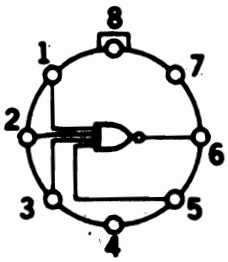
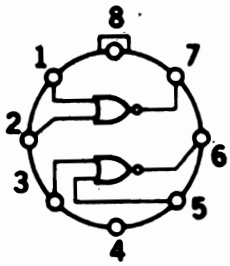


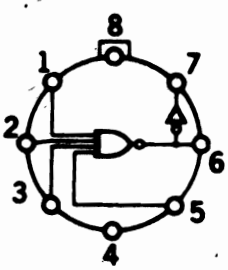
Q010



Q011



Q012



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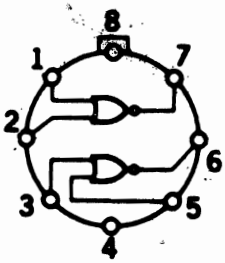
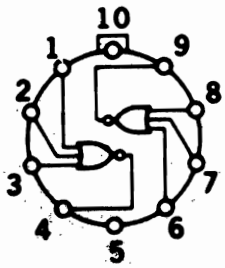


Q014



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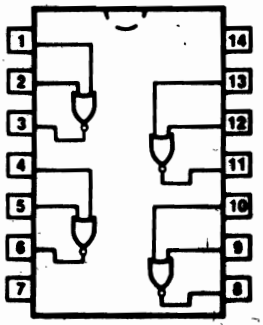

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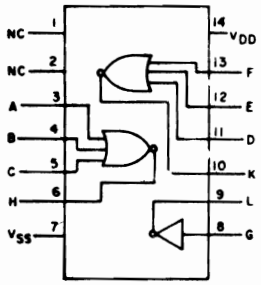

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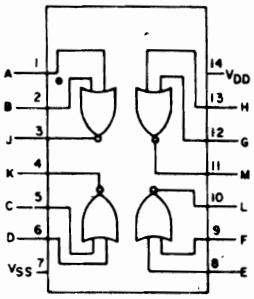

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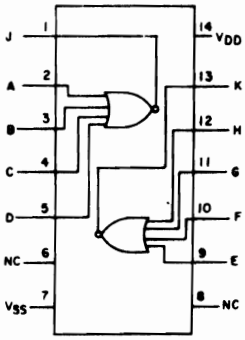

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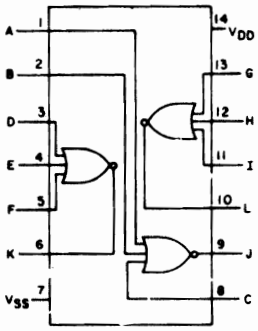
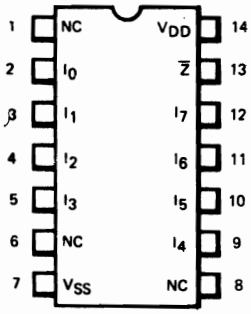
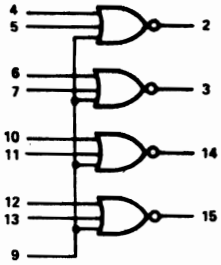


Q020

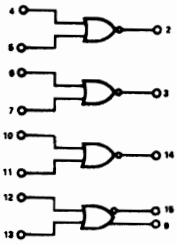


Q021



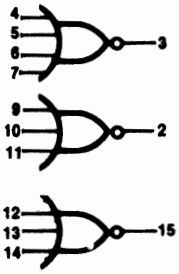
POSITIVE LOGIC: HIGH LEVEL = '1'
V_{CC1} = 1, V_{CC2} = 16, V_{EE} = 8

Q022



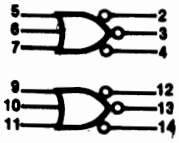
V_{CC1} = 1, V_{CC2} = 16, V_{EE} = 8
POSITIVE LOGIC: HIGH LEVEL = "1"

Q023



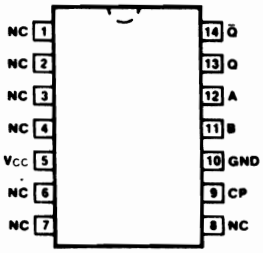
V_{CC1} = Pin 1
V_{CC2} = Pin 16
V_{EE} = Pin 8

Q024

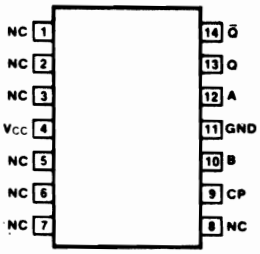


V_{CC1} = Pin 1
V_{CC2} = Pin 16
V_{EE} = Pin 8

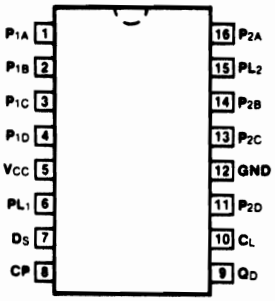
R001



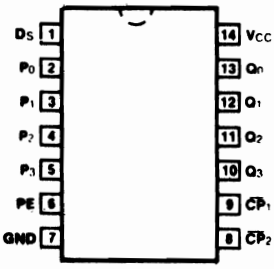
R002



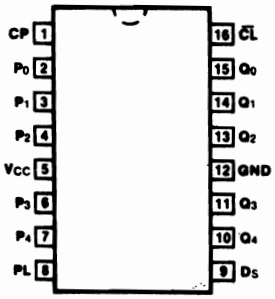
R003



R004



R005



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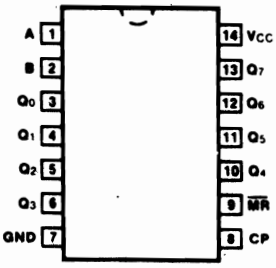
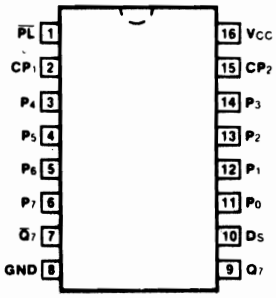
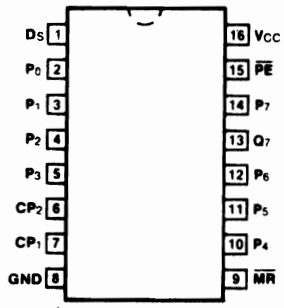


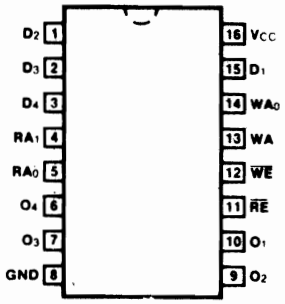
R007



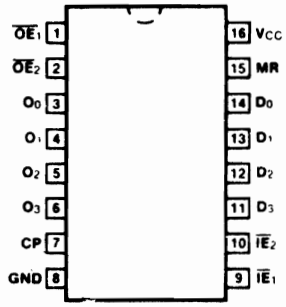
R008



R009



R010



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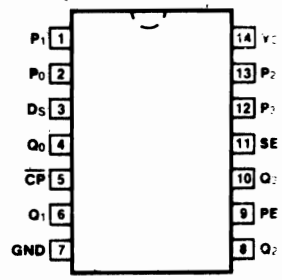

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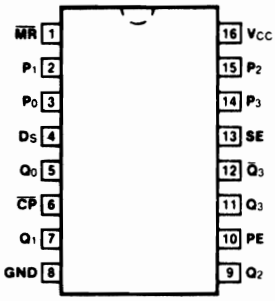

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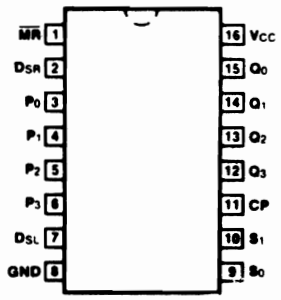

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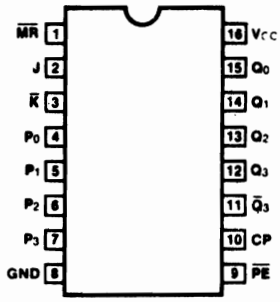

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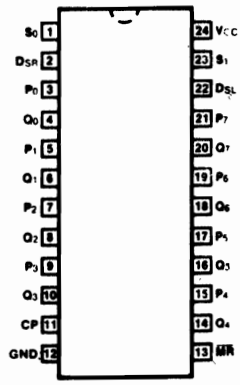

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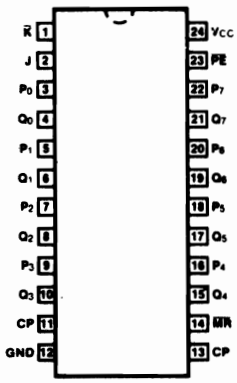

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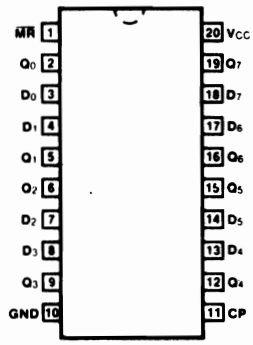

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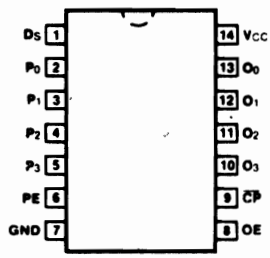

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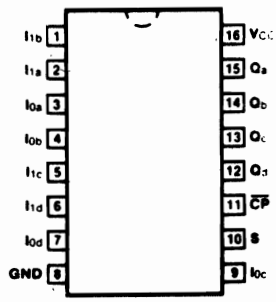

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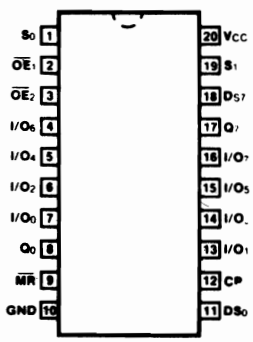

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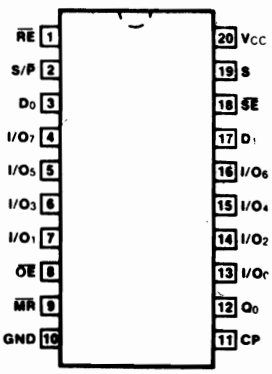

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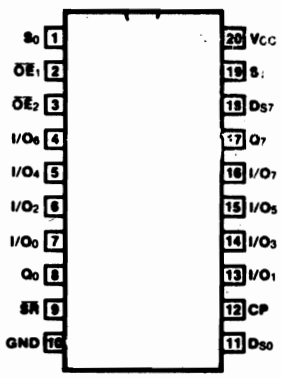

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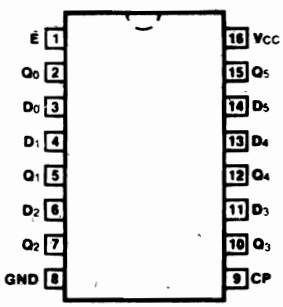

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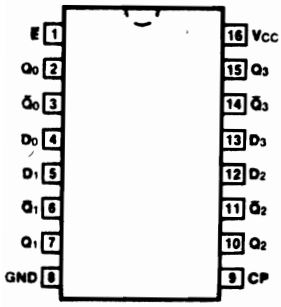

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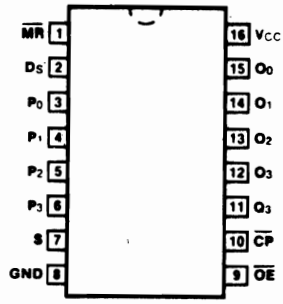

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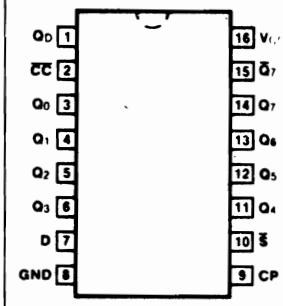
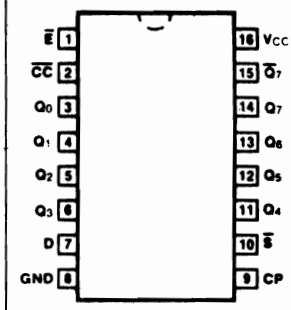


R027



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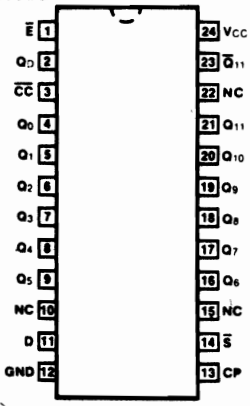
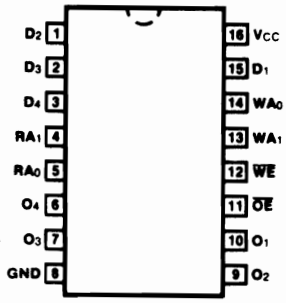


R029



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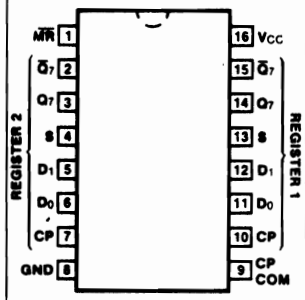

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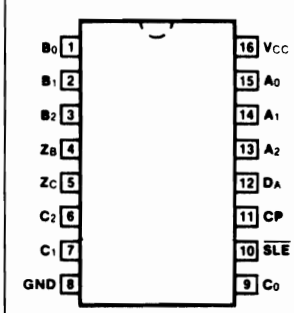

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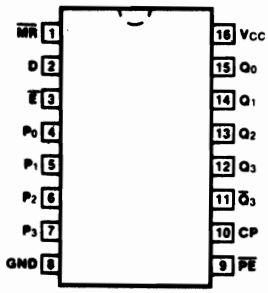
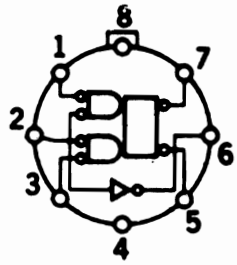


R033



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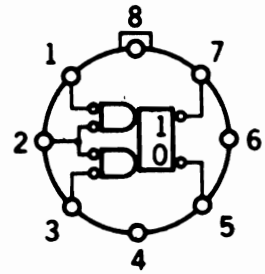
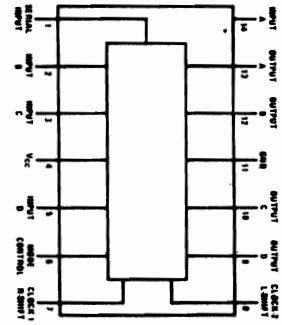


R035



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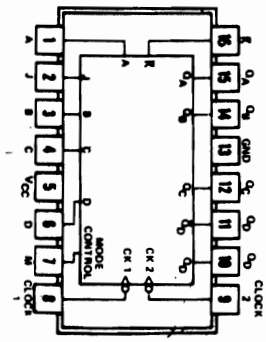
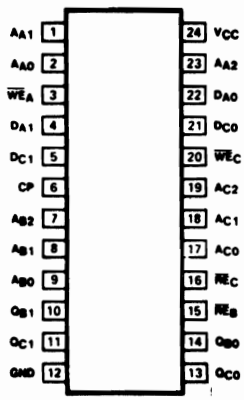
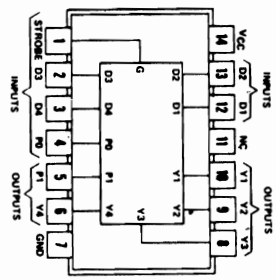


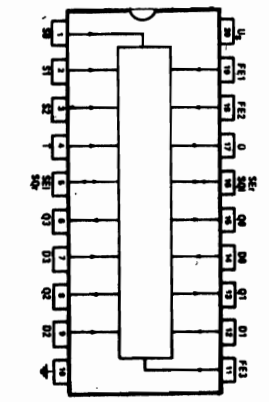
R037



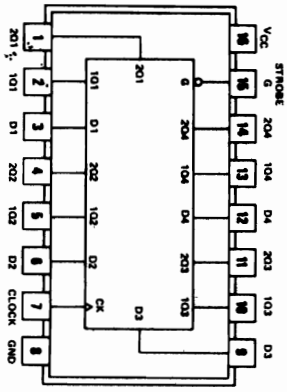
R038



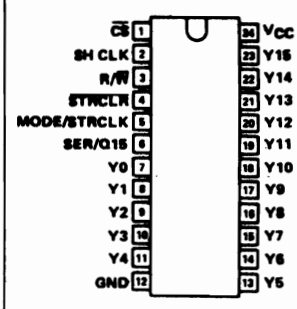
R039



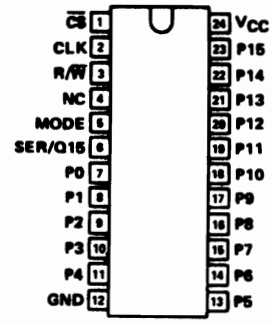
R040



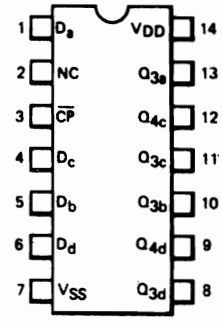
R041



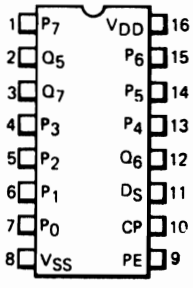
R042



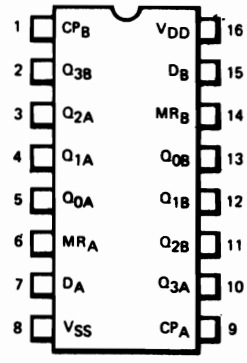
R043



R044



R045



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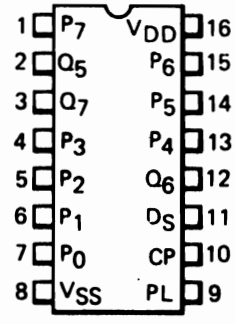

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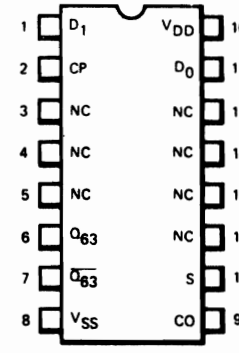

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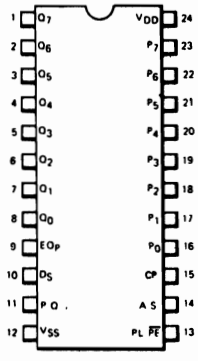

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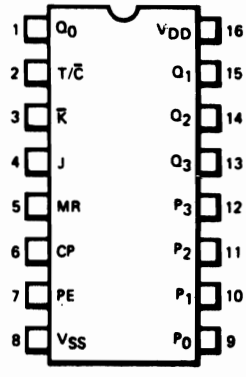

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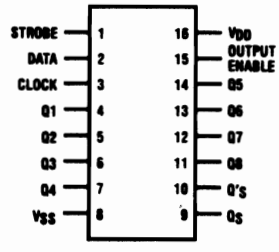

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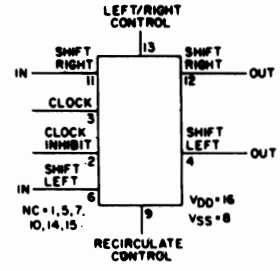

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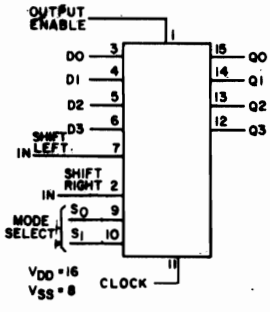

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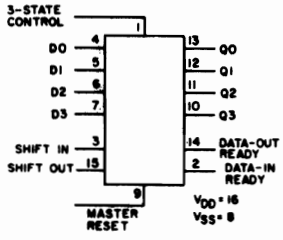

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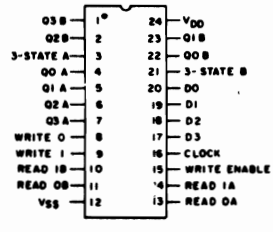

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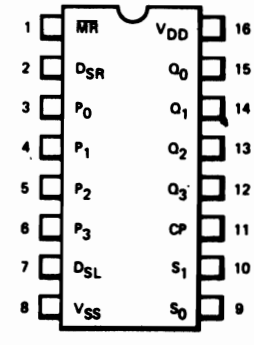

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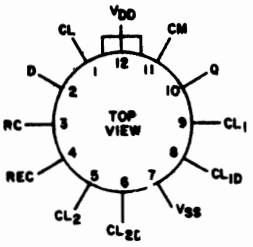

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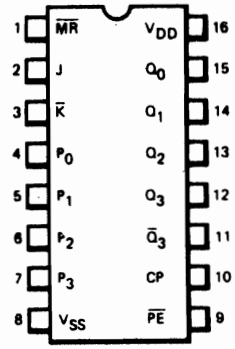

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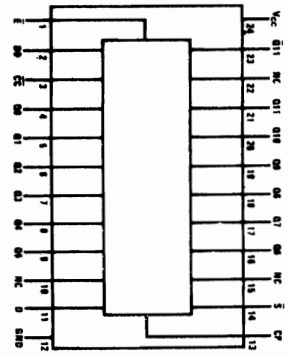

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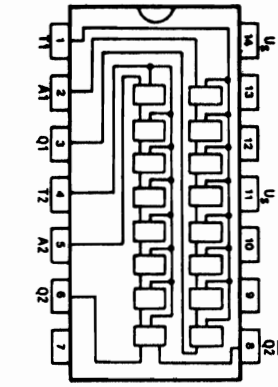

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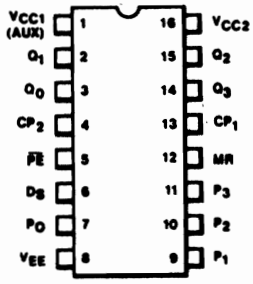

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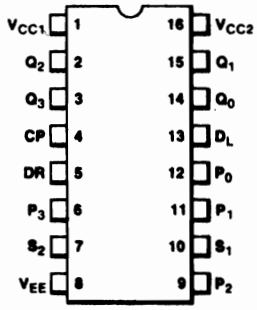

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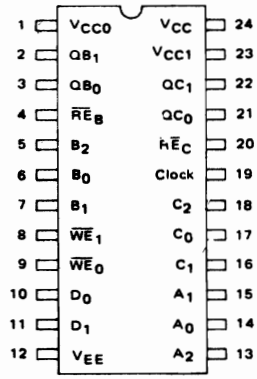

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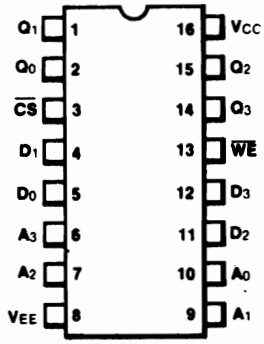

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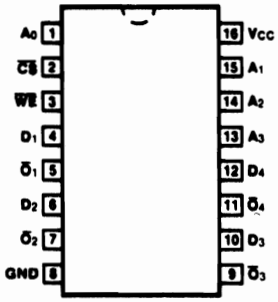

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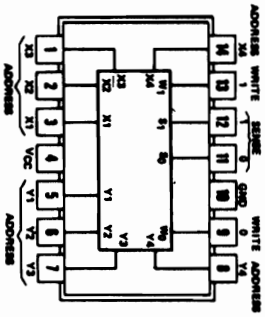

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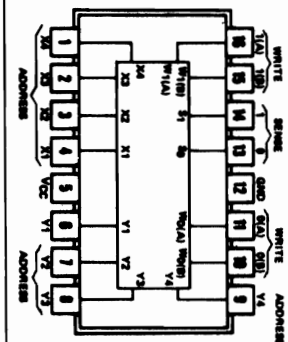

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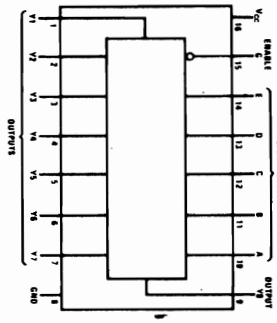

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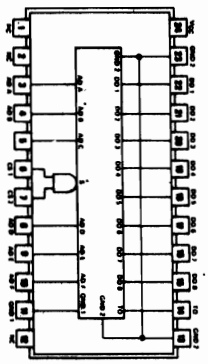

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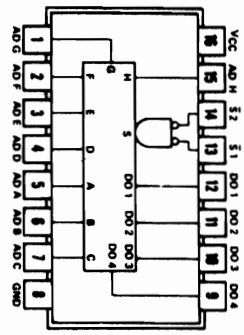

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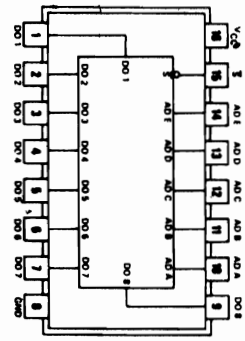

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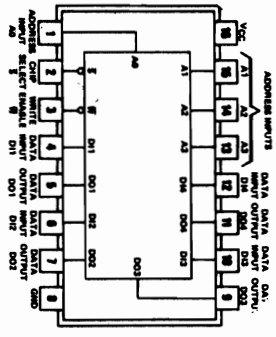

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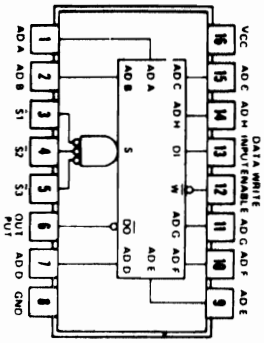

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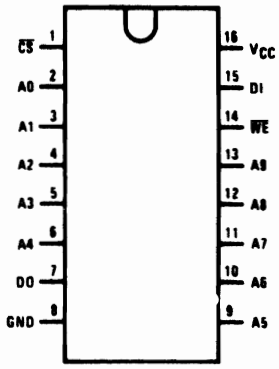

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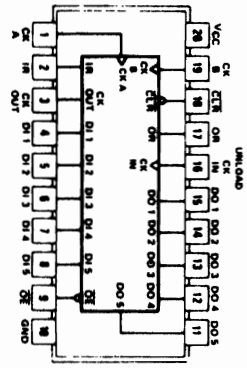

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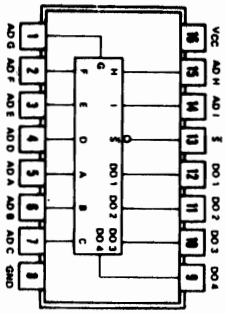

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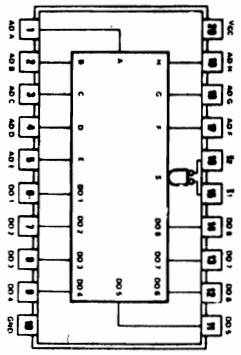

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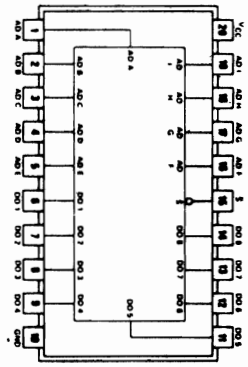

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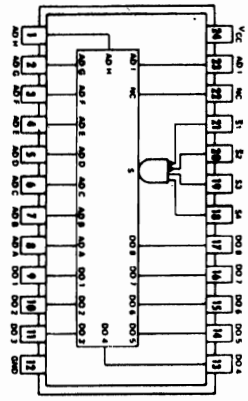

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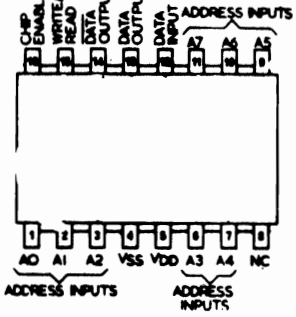

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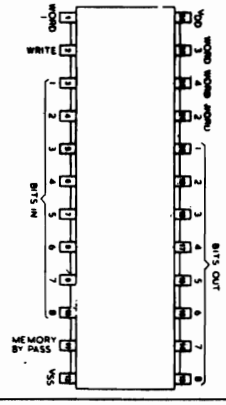

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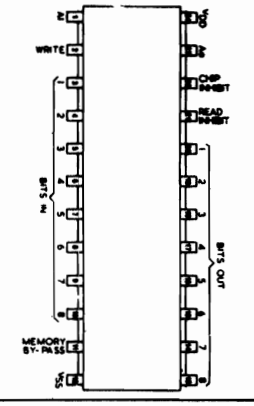

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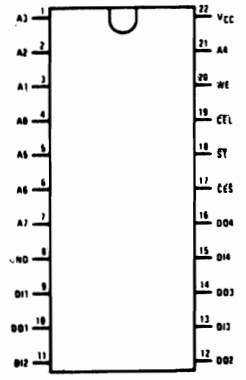

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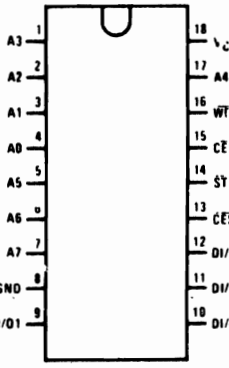

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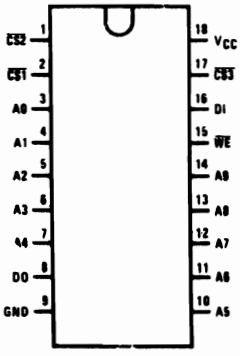

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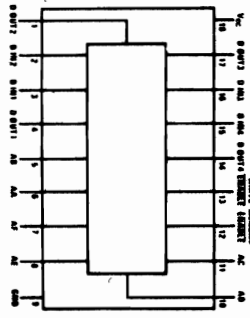

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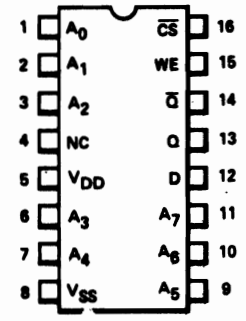

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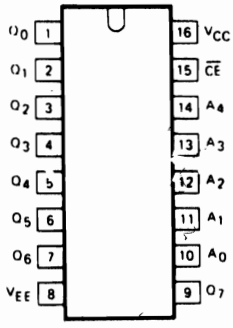

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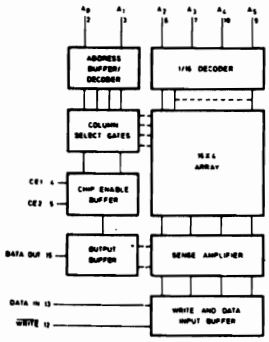

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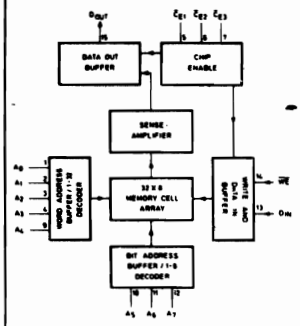

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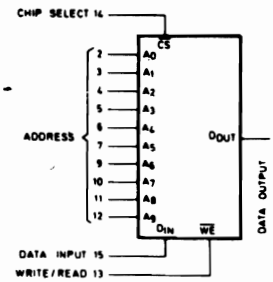

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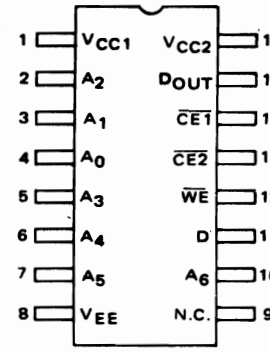

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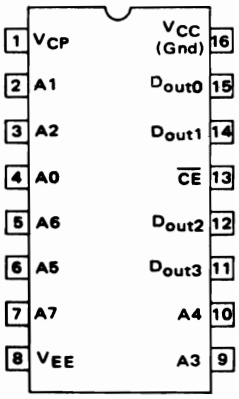

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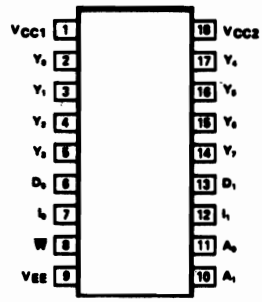

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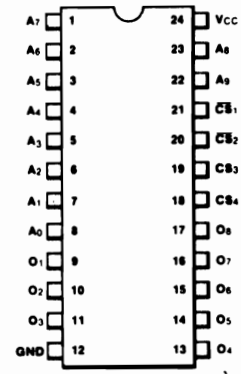

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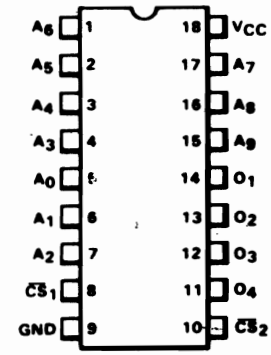

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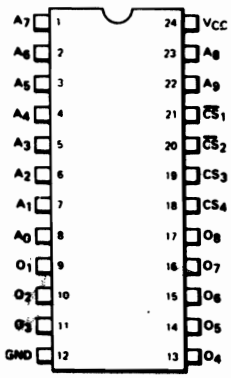

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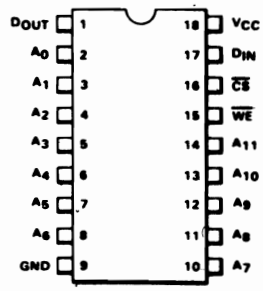

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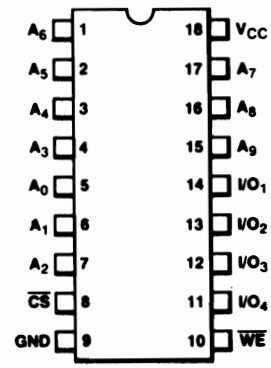

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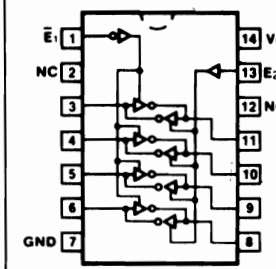

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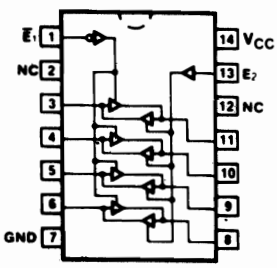

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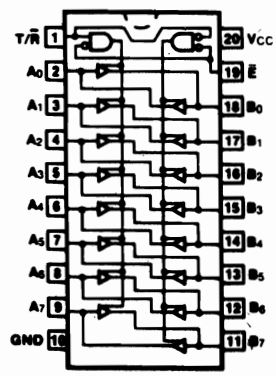

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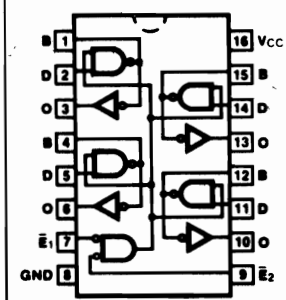

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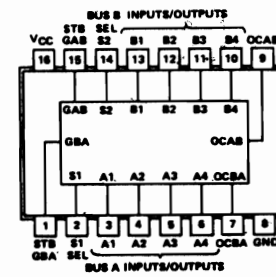

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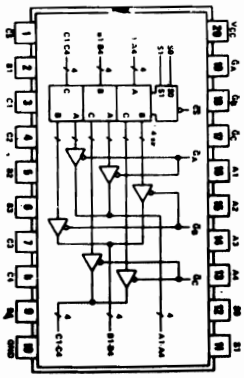

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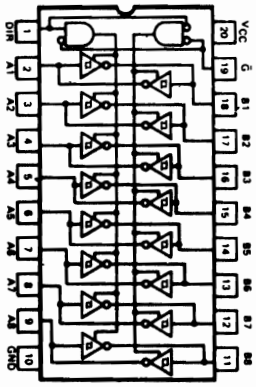

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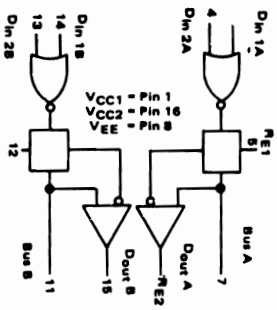

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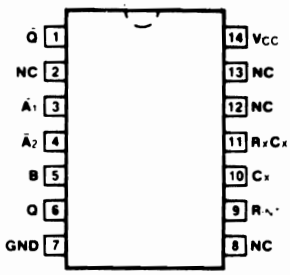

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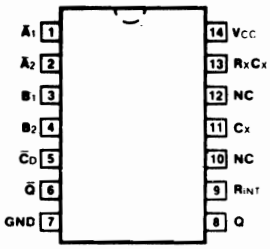

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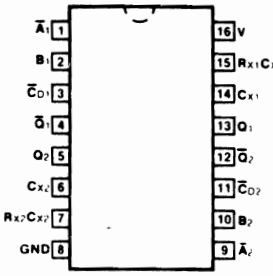

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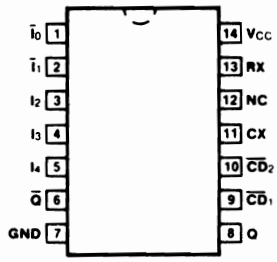

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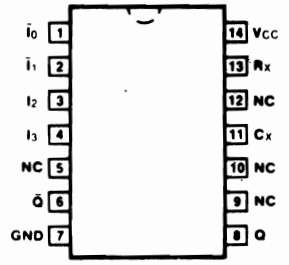

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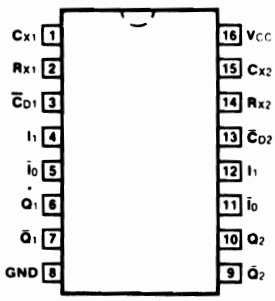

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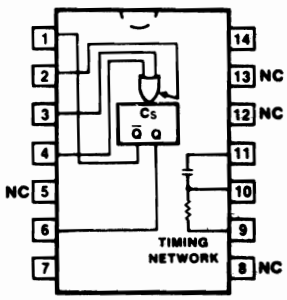

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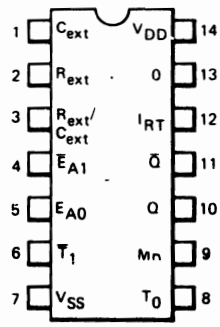

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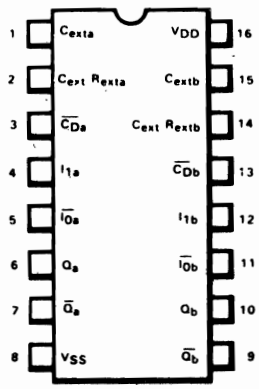

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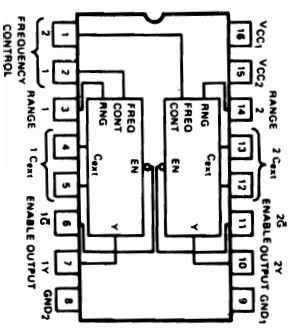

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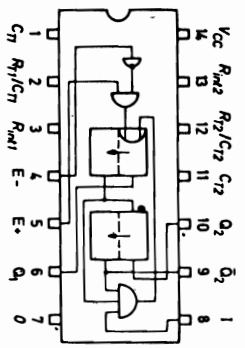

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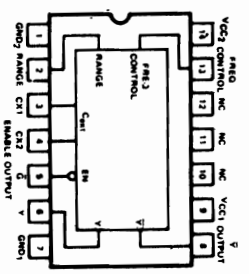

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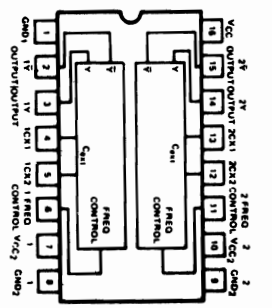

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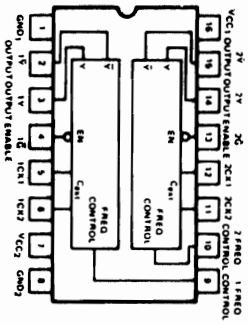

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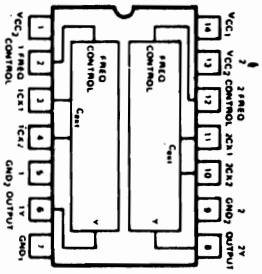

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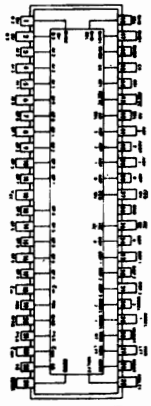

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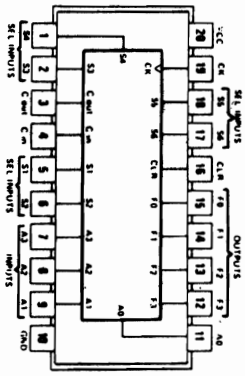

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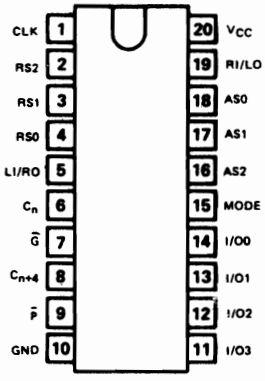

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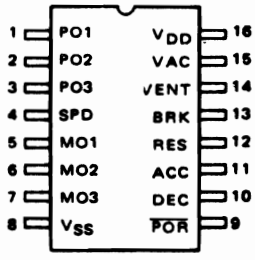

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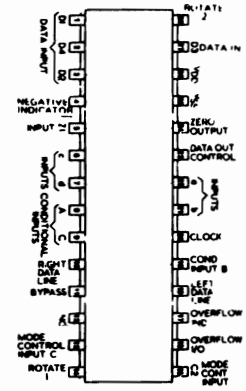

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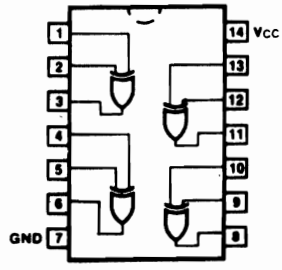

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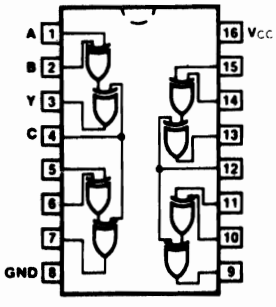

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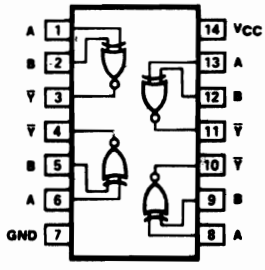

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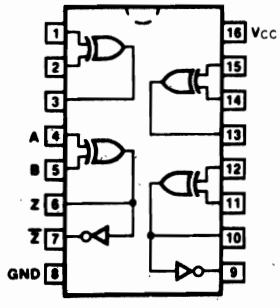

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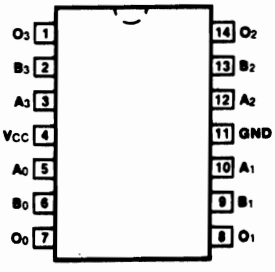

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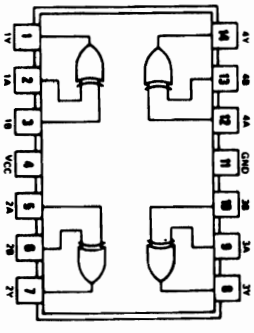

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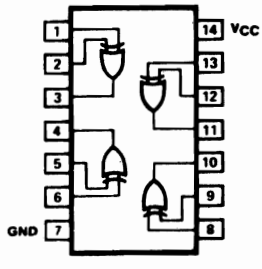

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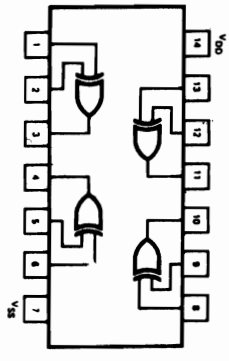

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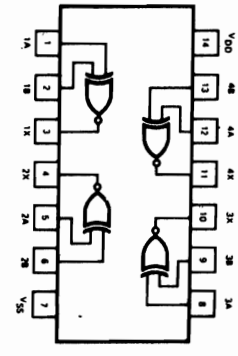

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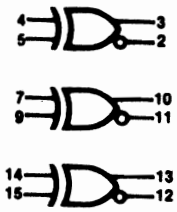
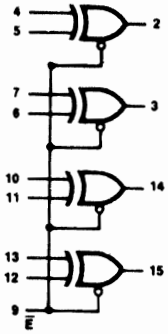


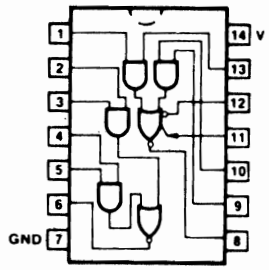
V_{CC1} = Pin 1
V_{CC2} = Pin 16
V_{EE} = Pin 8

X011

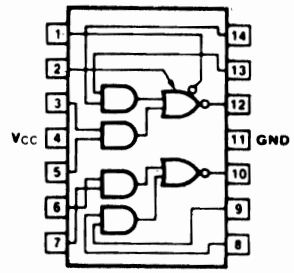


V_{CC1} = 1, V_{CC2} = 16, V_{EE} = 8
POSITIVE LOGIC HIGH LEVEL "1"

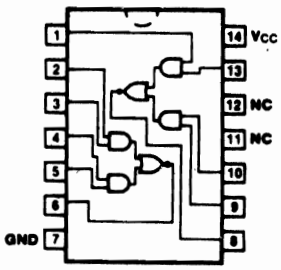
Y001



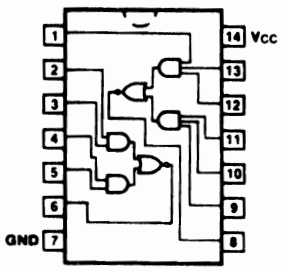
Y002



Y003



Y004



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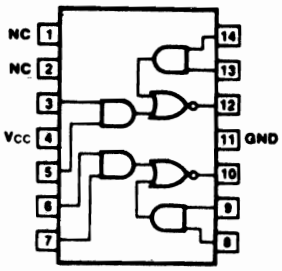
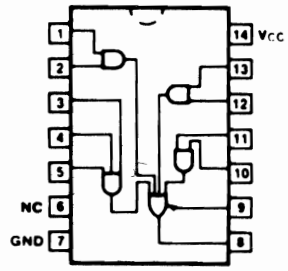


Y006



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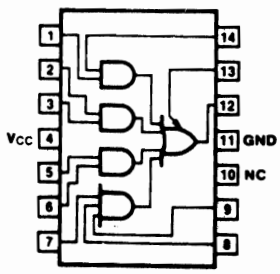
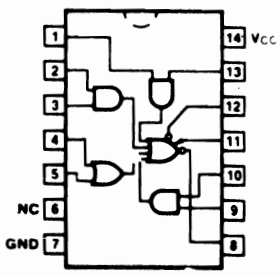


Y008



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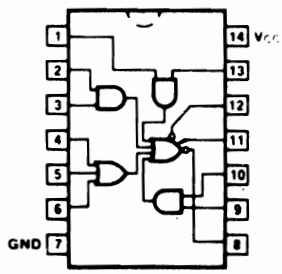

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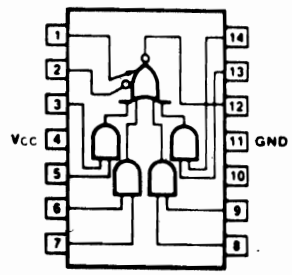

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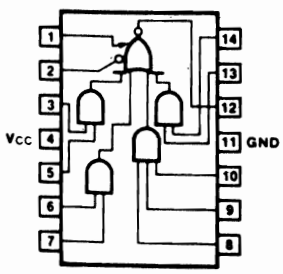

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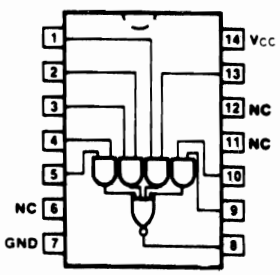

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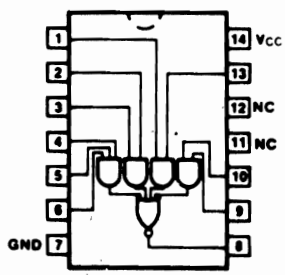
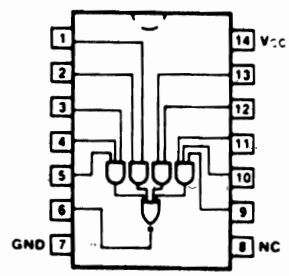


Y014



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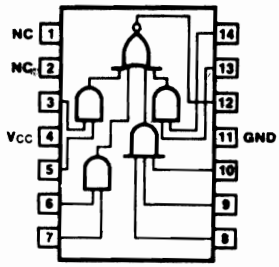

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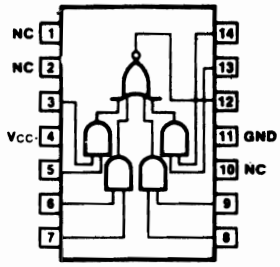

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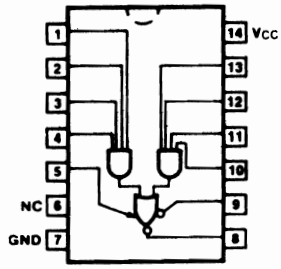

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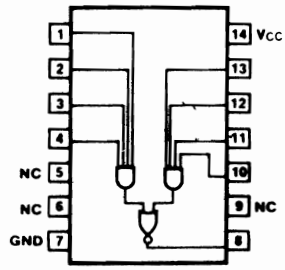

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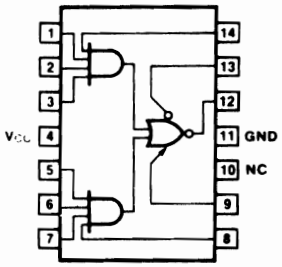

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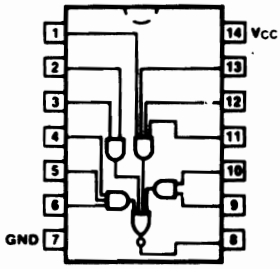

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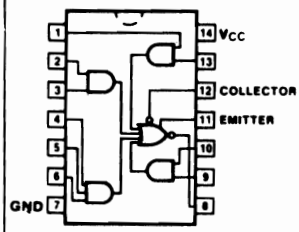

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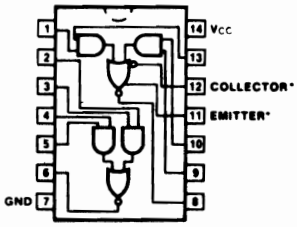

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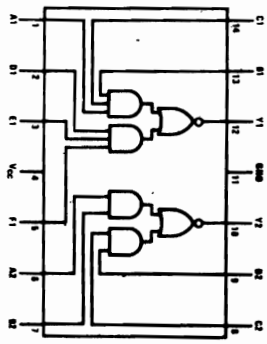

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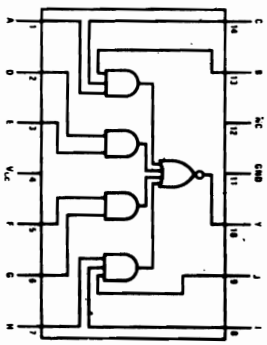

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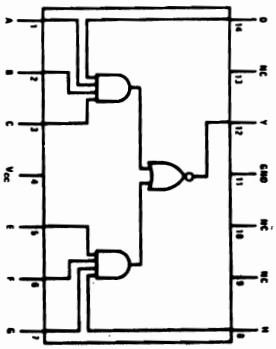
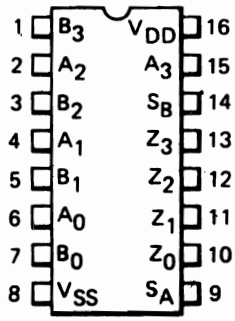


Y026



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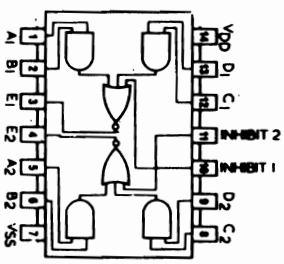

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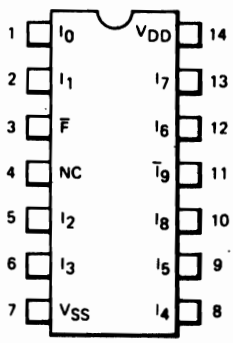

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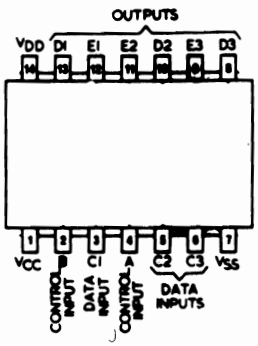

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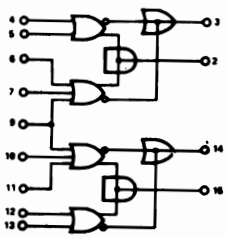
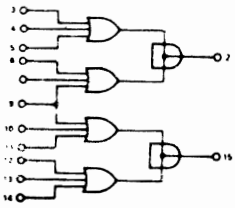


V_{CC1} = 1, V_{CC2} = 16, V_{EE} = 8
POSITIVE LOGIC: HIGH LEVEL = "1"

Y031



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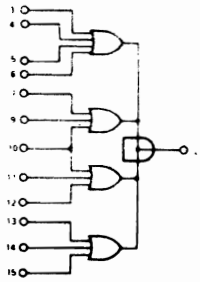
POSITIVE LOGIC: HIGH LEVEL = '1'

Y032



V_{CC1} = 1, V_{CC2} = 16, V_{EE} = 8
POSITIVE LOGIC HIGH LEVEL "1"

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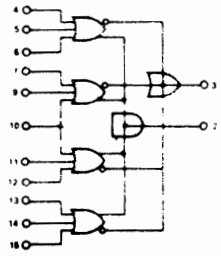
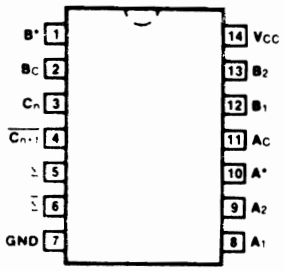


V_{CC1} = 1, V_{CC2} = 16, V_{EE} = 8
POSITIVE LOGIC HIGH LEVEL = "1"

Z001



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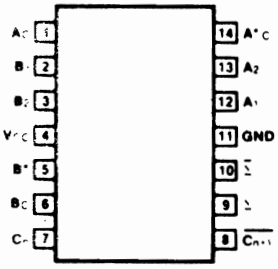

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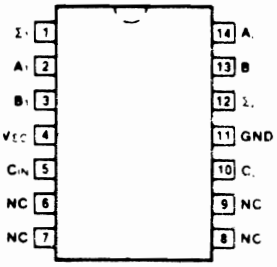

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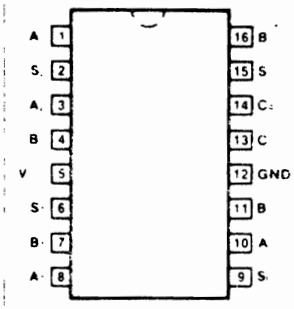

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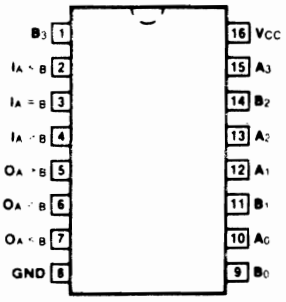

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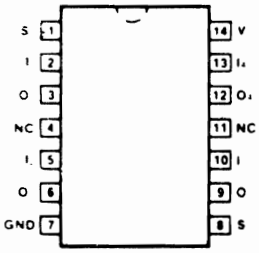

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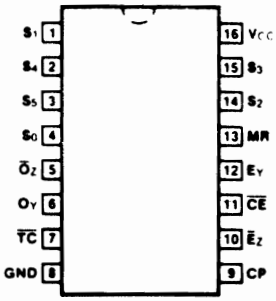

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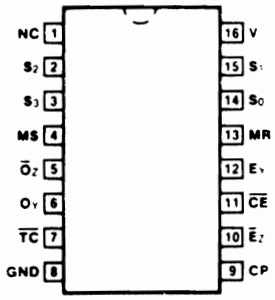

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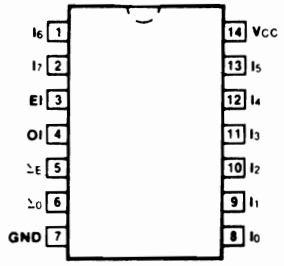

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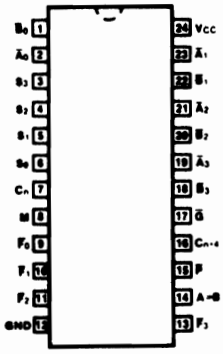

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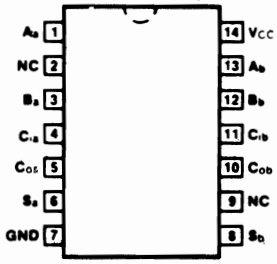

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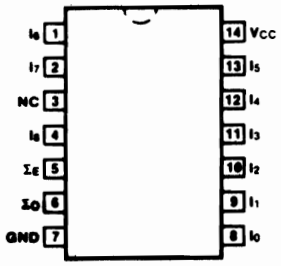

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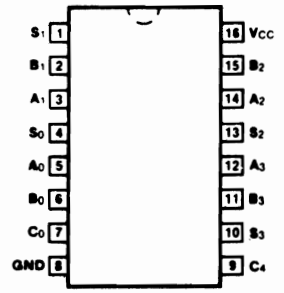

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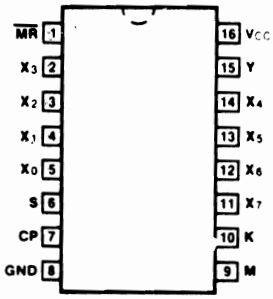

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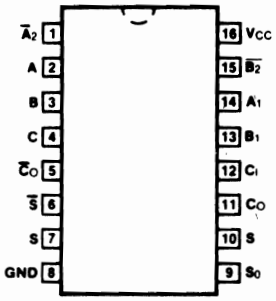

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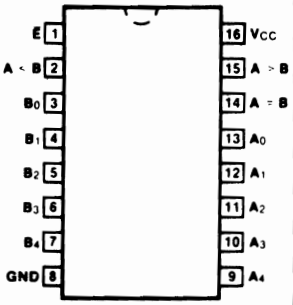

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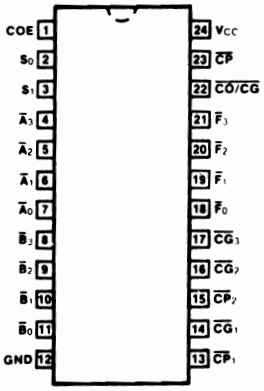

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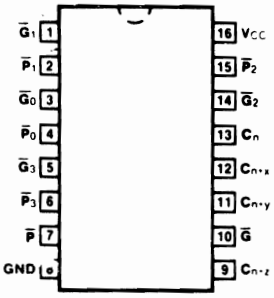

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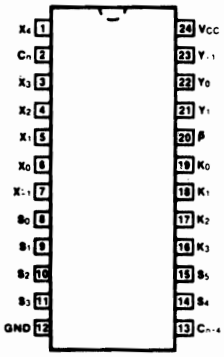

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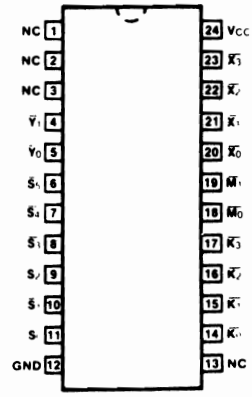

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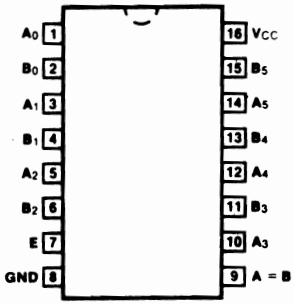

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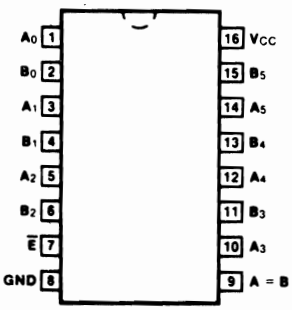

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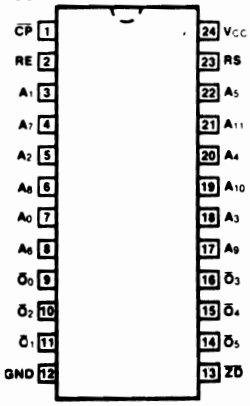

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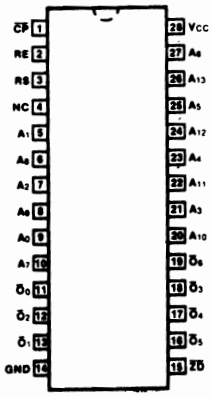

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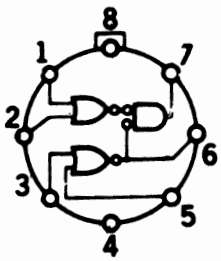

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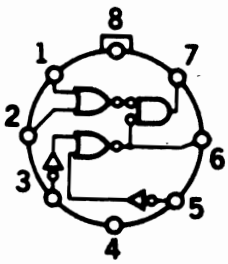

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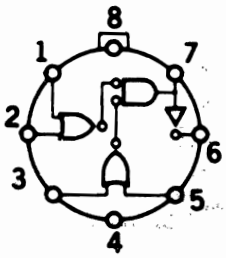

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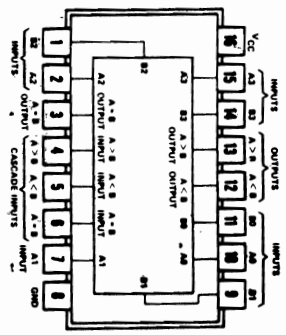

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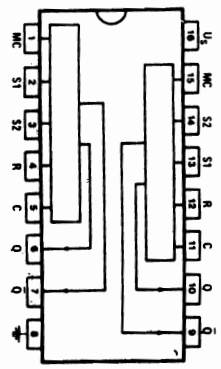

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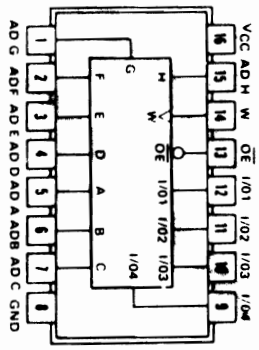

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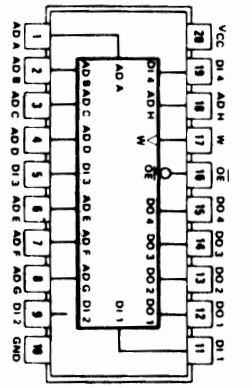

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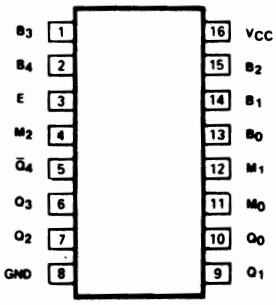

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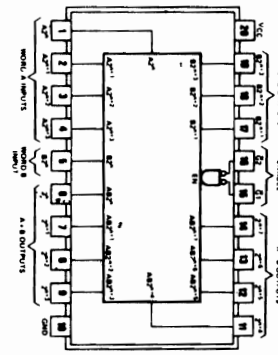

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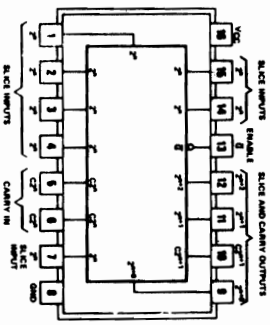

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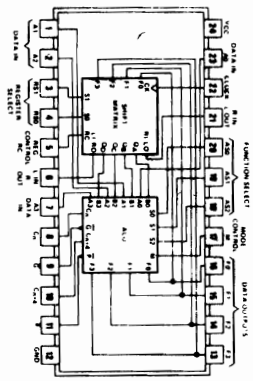

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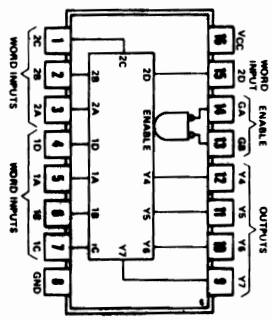

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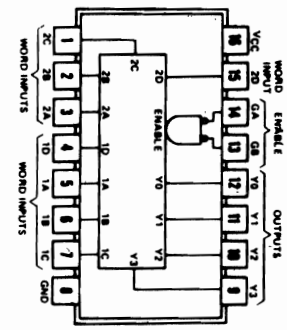

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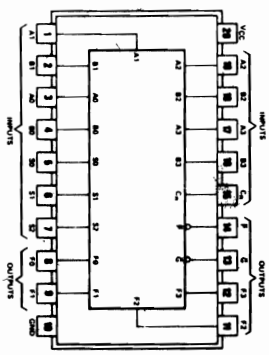

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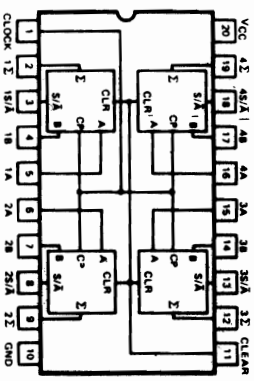

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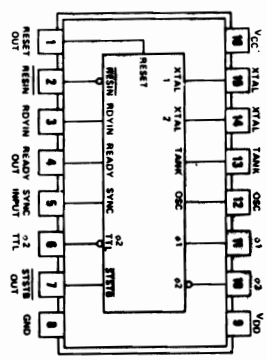

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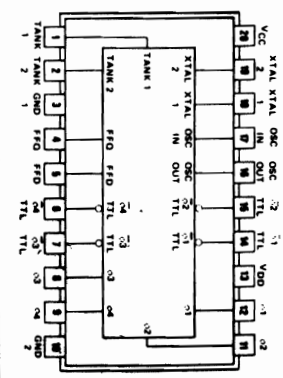

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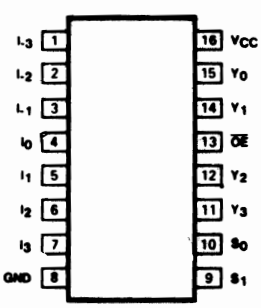

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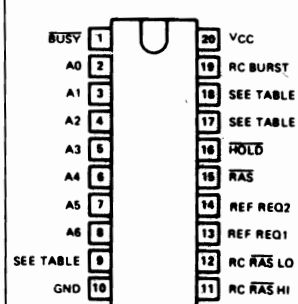

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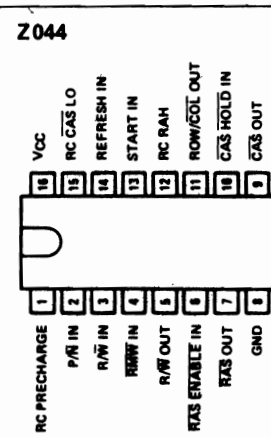

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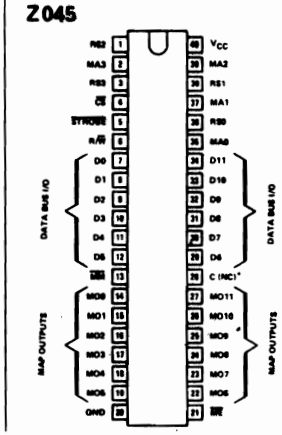

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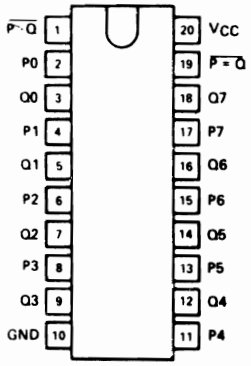

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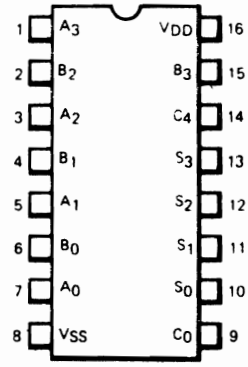

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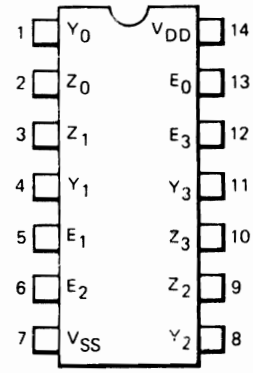

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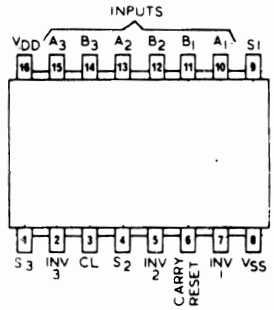

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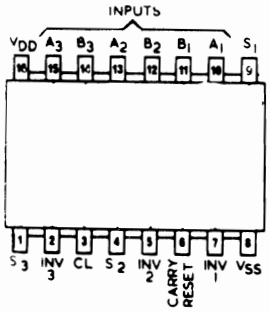
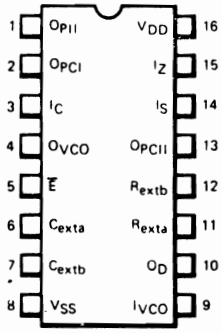


Z051



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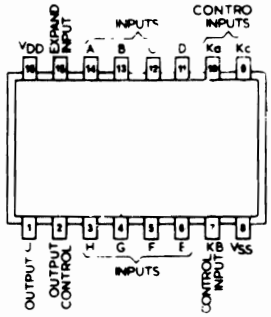

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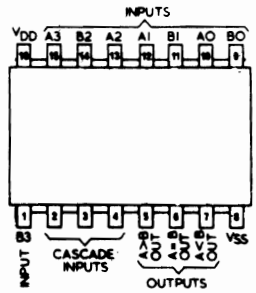

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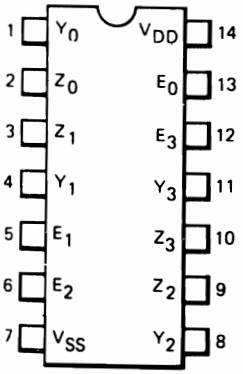

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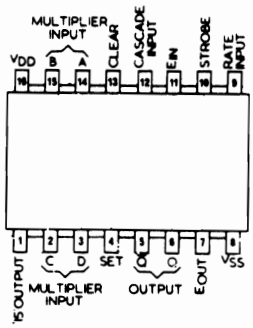

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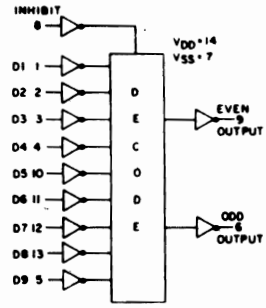

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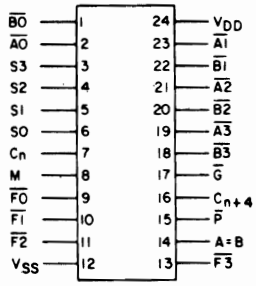

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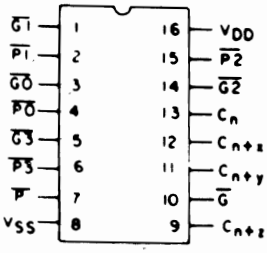

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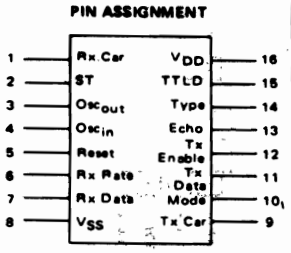

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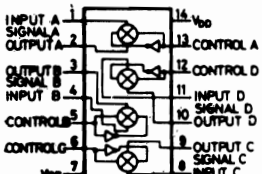

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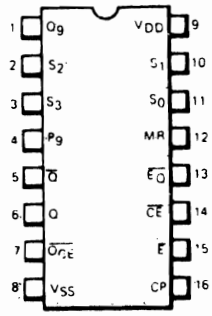

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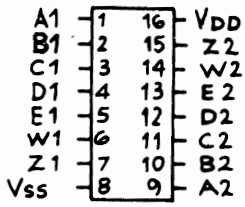

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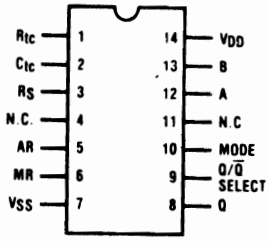

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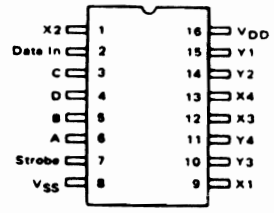

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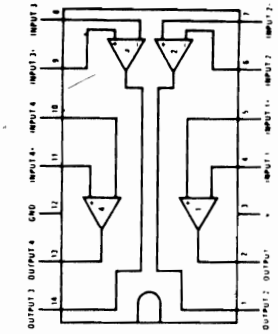

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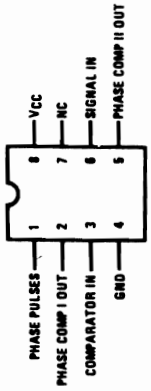

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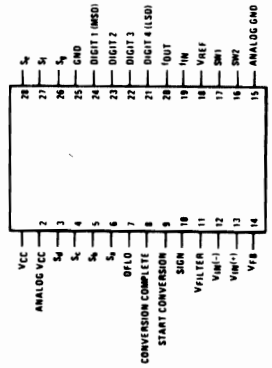

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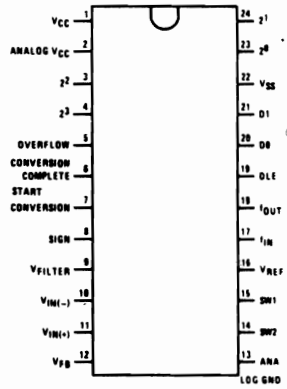

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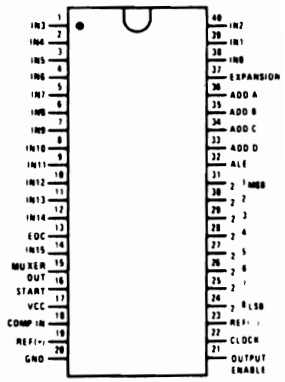

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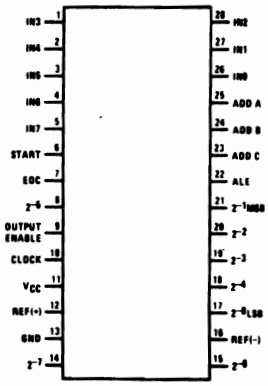

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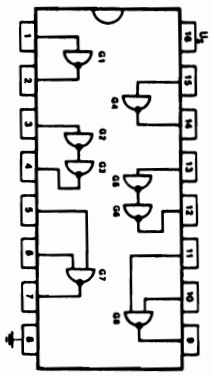

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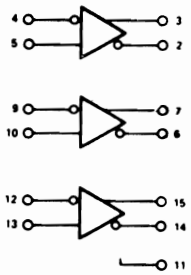
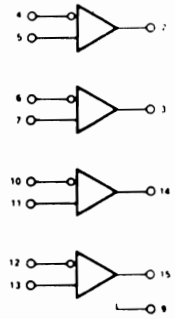


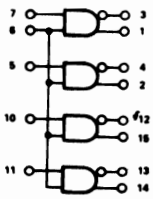
V_{CC1} = 1
V_{CC2} = 16
V_{EE} = 8

Z073



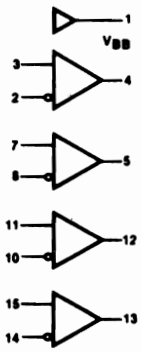
V_{CC1} = 1
V_{CC2} = 16
V_{EE} = 8

Z074



V_{CC} = 9 GND = 16 V_{EE} = 8
POSITIVE LOGIC: HIGH LEVEL = '1'

Z075

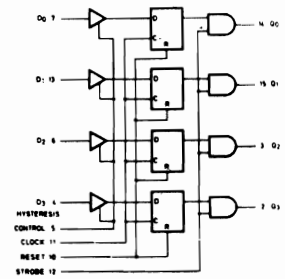


Vcc = Pin 9
VEE = Pin 8
GND = Pin 16

Z076

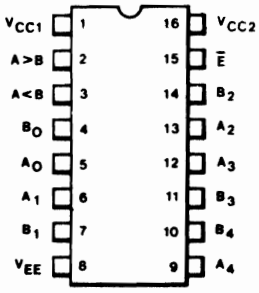
As
Z998

Z077

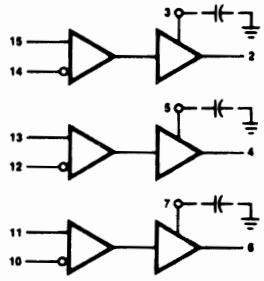


Vcc = pin 9
Gnd = 1 and 16
VEE = pin 8

Z078

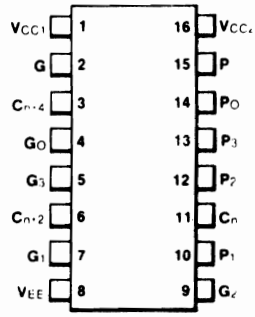


Z079

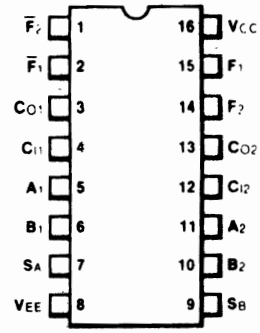


VCC = GND = Pins 1 , 16
VEE = Pin 8 = -5.2 V dc ± 5%
VSS = Pin 9 = +5.0 V dc or +6.0 V dc ± 10%

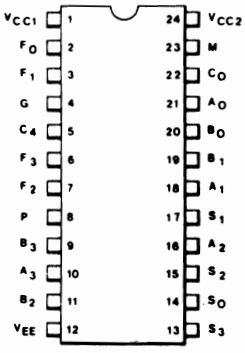
Z080



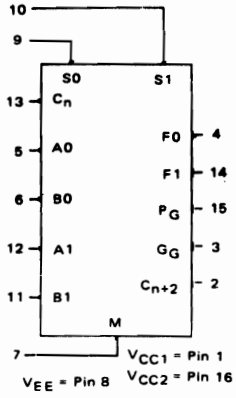
Z081



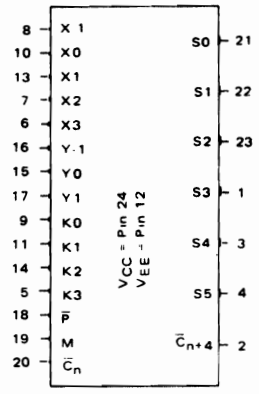
Z082



Z083



Z084



Z998

OBSOLETE

Z999

Consult Maker's Data

Appendix E Manufacturers of Digital ICs

(with codings used in data tables)

CODE	MANUFACTURER'S DETAILS
ADM	**Advanced Micro Devices,** 901 Thompson Pl., Sunnyvale, CA 94086, USA.
ANA	**Analog Devices** Inc, One Technology Centre, Norwood, MA 02062, USA.
AEG	See . . . TFK – **TELEFUNKEN**
AMI	**American Microsystems** Inc, 3800 Homestead Rd, Santa Clara, CA 95051, USA.
AMP	**Amperex** Elect. Corp., 230 Duffy Ave., Hicksville, NY 11802, USA.
BSI	**British Standards Institution** Various manufacturers supplying devices
DGC	**Data General** Corp, 15 Turnpike Road, Westboro, MA 01581, USA.
DIG	**Digital Equipment** Corp, 129 Parker St, PK 3–2 M18, Maynard, MA 01754, USA.
EFC	**EFCIS,** B.P. 217, 38019 Grenoble Cedex, FRANCE
EIZ	**Elektronska Industrija Zagreb,** 11000 Beograd, Majke Jevrosime 15, YUGOSLAVIA.
ELL	**Elliott Automation** No longer in digital ic production.
FAS	**Fairchild** Camera & Instrument Corp, 464 Ellis St, 20–2260, Mountain View, CA 94042, USA.
FER	**Ferranti** Electronics Ltd, Semiconductor Div, Fields New Rd, Chadderton, Oldham, OL9 8NP, UK.
FUJ	**Fujitsu** Ltd, Components Group, Syuwa Onarimon Bldg, 1–1, Shinbashi 6 Chome, Minato-ku, Tokyo 105, JAPAN
GEC	**GEC** Semiconductors Ltd, East Lane, Wembley, Middlesex, HA9 7PP, UK.
GEU	**General Electric,** Semiconductor Prods. Div., Electronics Park, Bldg. 7, RM230, Syracuse, NY 13201, USA.
GTE	**GTE** Microcircuits, 2000 W. 14th St, Tempe, AZ 85281, USA.
HAR	**Harris** Semiconductor, Box 883, Melbourne, FL 32901, USA.
HEW	**Hewlett Packard** Co, 640 Page Mill Rd, Palo Alto, CA 94304, USA.
HIT	**Hitachi** Ltd, Semiconductor Div, 6-2 Otemachi, 2-chome, Chiyoda-ku, Tokyo 100, JAPAN.
HUG	**Hughes** Aircraft Co, Solid State Products Div, 500 Superior Ave, CA 92663, USA
INL	**Intel** Corp, 3065 Bowers Ave, Santa Clara, CA 95051, USA.
INM	**Inmos,** Whitefriars, Lewins Mead, Bristol, BS1 2NP, UK.
INS	**Intersil** Inc, 10710 North Tantau Ave, Cupertino, CA 95014, USA.
IPR	**IPRS** – Baneasa, 32 Erou Lancu, Nicolae St, Bucharest, ROMANIA.
ITT	**ITT** Semiconductors, 74 Commerce Way, Woburn, MA 01801, USA.
JAN	**Joint Army Navy** Specification standard – various suppliers.
MAL	**Mallory** Distributor Products, PO Box 1284, Indianapolis, IN 46206, USA.
MAR	**Marconi** Electronic Devices Ltd, Carholme Rd, Lincoln, LN1 1SG, UK.
MAS	**Matsushita** Electronic Corp, 1 Kotari-Yakemachi, Nagao Kakyo, Kyoto 617, JAPAN.
MIL	**Mitel** Semiconductor, 18 Airport Blvd, Bromont, Quebec, JOE–ILO, CANADA.
MIT	**Mitsubishi** Electric Corp, Mitsubishi Denki Bldg, Marunouchi, Tokyo 100, JAPAN.
MMI	**Monolithic Memories** Inc, 1165 E. Arques Ave, Sunnyvale, CA 94086, USA.
MOT	(Bipolar) **Motorola** Semiconductor Prod. Div., 5005 E. McDowell Rd, Phoenix, AZ 85008, USA. (Mos) **Motorola** Semiconductor Prod. Div., 3501 Ed Bluestein Blvd, Austin, TX 78721, USA.
MSK	**Mostek** Corp, 1215 W. Crosby Rd, Carrollton, TX 75006, USA.
MTA	Alternative code for MOT – Motorola above.
MUL	**Mullard** Ltd, Mullard House, Torrington Place, London, WC1E 7ND, UK.
NAT	**National Semiconductor** Corp, 2900 Semiconductor Dve, Santa Clara, CA 95051, USA.
NEC	**Nippon Electric Co** Ltd, International El. Devices Div., 33–1, Shiba Gochome, Minato-ku, Tokyo 108, JAPAN.
NPC	Alternative code for NUC – Nucleonics Products below.
NUC	**Nucleonics Products** Co Inc, 6660 Variel Ave, Canoga Park, 91303, USA.
OBS	**Obsolete** – no current manufacturer known.
OKI	**OKI** Electric Industry Co, Lt, Electronic Products Section, 10–3, Shibaura 4 Chome, Minato-ku, Tokyo 108, JAPAN.
PAN	**Panasonic** – See MAS-Matsushita above.
PHC	**Philco** Semiconductors Ltd, USA – no longer in production of digital ics.
PHI	**Philips** Gloeilampenfabriken, Elcoma Div, Bldg BA, Eindhoven, NETHERLANDS
PHN	Alternative code for PHI – Philips above.
PLE	Alternative code for PLS – Plessey below.
PLS	**Plessey** Semiconductors Ltd, Crowdy's Hill Estate, Kembrey St, Swindon, SN2 6BA, UK.
RAY	**Raytheon** Co, Semiconductor Div, 350 Ellis St, Mountain View, CA 94042, USA.
RCA	**RCA** Solid State Div, Rte 202, Somerville, NJ 08876, USA.
RIZ	**RIZ** (Radio Industrie Zagreb), Tvornica, Poludovica, Kraljeviceva bb, PP643, 41001, Zagreb, YUGOSLAVIA.
RSC	**RS Components** Ltd, 13–17 Epworth St, London, EC2P–2HA, UK.
RTC	**RTC** (La Radiotechnique – Compelec), 130 Ave Ledru-Rollin, 75540, Paris Cedex 11, FRANCE.
SAN	**Sanyo** (Tokyo) Electric Co Ltd, Semiconductor Div, 24–13, 3-chome, Yushima, Bunkiyo-ku, Tokyo 113, JAPAN.

SGS **SGS/ATES** Componenti Elettronici SpA,
Via C Olivetti, 20041 Agrate Brianza, Milano, ITALY.

SIE **Siemens** AG,
Bereich Halbleiter, Balanstrasse 73, D8000, Munchen 80, WEST GERMANY.

SIG **Signetics** Corp,
811 E. Arques Ave, Sunnyvale, CA 94086, USA.

SIX **Siliconix** Inc,
2201 Laurelwood Road, Santa Clara, CA 95054, USA.

SLG **Silicon General**, 11651 Monarch St, Garden Grove, CA 92641, USA.

SOD **Solitron** Devices Inc,
Semiconductor Div., 1177 Blue Heron Blvd, Riviera Beach, FL 33404, USA.

SPR **Sprague** Electric Co,
Semiconductor Div, 115 Northeast Cutoff, Worcester, MA 01606, USA.

SPY **Sperry** – no longer in commercial production of digital ics.

SSR **Elorg**,
V/O Elektronorgteknika, Smolenskaya-Sennaya Pl, 32/34, 121200, Moskva G200, USSR.

SSS **Solid State Scientific** Inc,
Montgomeryville Ind'l Pk, Montgomeryville, PA 18936, USA.

STW **Stewart Warner** – no longer in commercial production of digital ics.

SWM Alternative coding for STW – Stewart Warner above.

SWR Alternative coding for STW – Stewart Warner above.

SUP **Supertex** Inc,
1225 Bordeaux, Sunnyvale, CA 94086, USA.

SYL **Sylvania** (GTE) Inc,
Parts Div., 816 Lexington Ave, Warren, PA 16365, USA.

TEL **Teledyne** Semiconductor,
1300 Terra Bella Ave, Mountain View, CA 94043, USA.

TFK **AEG–Telefunken** Serien Produkte,
Electronic Components, Theresien Str 2, Postfach 1109, 71 Heilbron, WEST GERMANY.

THC **Thomson CSF**, Div. Semiconducteurs,
50 rue J. P. Timbaud, BP 5, F-92403, Courbevoie, FRANCE.

THO **Thorardson, USA.**

TII **Texas Instruments** Inc,
Components Group, PO Box 5012, Dallas, TX 75222, USA.

TOS **Tokyo Shibaura** Ltd,
Semicon. Div., 2 – Iginza, 5-chome Chou-ku, Tokyo, JAPAN.

TRA **Transitron**, USA – no longer in commercial production of digital ics.

TRW **TRW**,
Electronic Components Group, 5725 East River Road, Chicago, ILL 60631, USA.

TUH **Tungsram** Austria AG,
Hofherr-Schrantz-Gasse 4, 1211 Wien, AUSTRIA.

UNR **Unitra** (AHU) Poland,
Foreign Trade Section, Al Jerozolimskie 44, PL-00-024, Warszawa, POLAND.

VAL **Valvo** GmbH,
PO Box 993, Valvo Haus, Burchardstrasse 19, D2000 Hamburg 1, WEST GERMANY.

VAR Various – a number of different manufacturers.

VEF **VEB** Halbleiterwerk,
Frankfurt/Oder, EAST GERMANY.

VEM **VEB** Rohrenwerk,
Mulhausen, EAST GERMANY.

VER **VEB** Rohrenwerk, Rudolstadt, EAST GERMANY.

WDC **Western Digital** Corp,
3128 Red Hill Ave, Newport Beach, CA 92663, USA.

WOR **Workman** Electronic Products Inc,
Box 3828, Sarasota, FL 33578, USA.

WST **Westinghouse** – no longer in commercial production of digital ics.

ZEN **Zenith**, USA.

Appendix F Manufacturers' Proprietary House Code prefixes

(cross-referenced to manufacturer by App. E codings)

1LB	SSR
1LP	SSR
1LR	SSR
1TK	SSR
1TR	SSR
2F	WST
6F	WST
6G	WST
6M	WST
8T	SIG
9H	FAS
9L	FAS
9LS	FAS
9N	FAS
9S	FAS
11C	FAS
AM	ADM
BL	TII
BS	BSI
C	MOT
C	INL
CD	RCA
CM	SOD
CS	SIG
D	VEF
D	ELL
DM	NAT
DM	MAS
DS	NAT
DTL	SPY
DTUL	FAS
E	VEF
ECG	SYL
ECL	TII
F	FAS
FCH	SIE
FCJ	SIE
FCK	SIE
FCL	SIE
FCY	SIE
FDH	PHI
FDJ	PHI
FEJ	PHI
FEY	PHI
FFH	PHI
FFJ	PHI
FFY	PHI
FHH	PHI
FHJ	PHI
FHY	PHI
FJB	PHI
FJH	PHI
FJJ	PHI
FJK	PHI
FJL	PHI
FLQ	PHI
FLH	SIE
FLJ	SIE
FLK	SIE
FLQ	SIE
FLR	SIE
FLY	SIE
FPH	TFK
FPJ	TFK
FPL	TFK
FQH	SGS
FQJ	SGS
FYH	SIE
FZH	SIE
FZJ	SIE
FZK	SIE
FZL	SIE
GAB	THC
GAC	THC
GDH	SIE
GDJ	SIE
GDN	SIE
GE	GEU
GEMR	GEU
GFB	PHI
GFC	PHI
GHH	THC
GHJ	THC
GJB	THC
GJC	THC
GJH	PHI
GJJ	PHI
GMB	THC
GMC	THC
GRL	PHI
GRS	PHI
GTB	PHI
GTC	PHI
GXB	PHI
GZF	PHI
HAG	FAS
HBC	SGS
HBF	SGS
HBG	SGS
HBH	SGS
HBW	FAS
HCC	SGS
HCF	SGS
HD	HAR
HD	HIT
HDD	HAR
HEPC	MOT
HEPR	MOT
IDT	RIZ
ITT	ITT
LB	SAN
M38510	JAN
M	MIT
MB	FUJ
MC	MOT
MCE	MOT
MD	MIL
MH	TOS
MIC	ITT
N	SIG
NC	NUC
P	INL
PA	PHC
PD	PHC
PL	PHC
PTR	MAL
RAY	RAY
RB	SIG
RC	RAY
RDD	RAY
REN	RAY
RF	RAY
RG	RAY
RL	RAY
RM	RAY
RSN	TII
RT	SPR
S	SIG
SCL	SSS
SD	SSS
SF	SYL
SFC	THC
SG	SLG
SI	SIX
SK	RCA
SM	SYL
SN	MOT
SN	TII
SNB	TII
SNC	TII
SNF	TII
SNG	TII
SP	PLS
STW	SWR
SWF	SWR
SWG	SWR
T	SGS
TC	TOS
TD	TOS
TD	TRA
TG	TRA
TM	THO
TM	TOS
TNG	TRA
TRW	TRW
U3	FAS
U6	FAS
U7	FAS
UCN	SPR
UCS	SPR
UPB	NEC
US	SPR
WC	WST
WEP	WOR
ZN	FER

Appendix G Abbreviations and Terminology Glossary

A	And
ACC	Accumulator
ACT	Active
ACTV	Active
A/D	Analog/Digital
ADD	Adder
ADDR	Address
ADJ	Adjustable
A GTD	AND-gated input
ALS	Advanced-low-power Schottky-TTL
ALT	Alternate, alternative
ALU	Arithmetic logic unit
AN	Analog
AND	AND gate
ANL	Analog
AO, A/O	AND/OR
AO!	AND/OR-invert gate
AOR	AND/OR gate
APC	Appendix C
APP	Appendix
ARI	Arithmetic unit
AST	Advanced Schottky-TTL
ASW	Analog switch
ASYN	Asynchronous
ASYNC	Asynchronous
B	Bit
BCD	Binary coded decimal
BFR	Buffer
BIDIR	Bidirectional
BIN	Binary
BIP	Bipolar
BIQUIN	Biquinary
BNRY	Binary
BSI	British Standards Institution
BT	Bit
BUF	Buffer
C	Ceramic
CARAM	Content-Addressable-RAM (= CAM)
CASCDBLE	Cascadable
CASE	Device packaging
CASING	Device package
CCD	Charge coupled device
CCT	Circuit
CCV	Code converter
CER	Ceramic
CH	Channel
CHAN	Channel
CHANN	Channel
CHK	Checker
CHP	Chip
CK	Clock
CLK	Clock, clock driver
CLMP	Clamp
CLR	Clear
CML	Current-mode-logic
CMP	Comparator, complement(ary)
CMS	Complementary MOS (CMOS)
CNTR	Counter
COD	Coded
COM	Common
COMM	Commercial
COMMS	Communications
COMP	Complementary
COMPAT	Compatible
COMPLT	Complement(ary)
CORRCN	Correction
CORRECTN	Correction
CRRY	Carry
CTL	Complementary-transistor-logic
CTL	Counter/Latch
CTR	Counter
CVR	Converter
DCD	Decoder
DCT	Direct-coupled-transistor-logic
DCTL	Direct-coupled-transistor-logic
DEC	Decade, decimal
DECAD	Decade
DECD	Decade
DECDR	Decoder
DECML	Decimal
DEL	Delay (time)
DEMUX	Demultiplexer, decoder
DIC	Dual-in-line package, ceramic
DIEL	Dielectric
DIFF	Differential
DIG	Digit
DIL	Dual-in-line package
DIOD	Diode
DIP	Dual-in-line package, plastic
DIR	Direct, non-inverted
DIV	Divide, divider
DMX	Demultiplexer
DPST	Double-pole, single-throw
DRCT	Direct, non-inverted
DRVR	Driver
DSP	Display driver
DTL	Diode-transistor-logic
DUAL	2 elements in one package
DVD	Divider
DVR	Driver
DWN	Down (counter)
DYN	Dynamic
ECL	Emitter-coupled-logic
EDG TRIG	Edge-triggered
EL	Electronic
ELMT	Element
EN	Enable
ENC	Encoder
ENCAPSULATION	Device package
ET	Edge-triggered
EX 3	Excess-3
EXC 3	Excess-3
EXP	Expander
EXPD	Expandable

EXPDL	Expandable
EXT	Extendable
F	Frequency
FET	Field effect transistor
FF	Flip-flop
FFD	D-type flip-flop
FFJ	JK flip-flop
FF/JK	JK flip-flop
FFR	RS(T) flip-flop
FF/RS	RS(T) flip-flop
FFT	T-type flip-flop
FIFO	First-in, first-out, register
FLP	Flat pack device package
FPLA	Field programmable logic array
FSK	Frequency shift keying
FST	Fast Schottky-transistor-logic
FST	Fast
FSTR	Faster
FUZ	Fuzable
GEN	Generator
GHZ	Gigahertz
GTD	Gated
HEX	6 elements in one package
HEXAD	Hexadecimal
HEXADEC	Hexadecimal
HI	High
HLDNG	Holding
HLL	High-level-logic
HMOS	High-speed MOS
HMS	High-speed MOS
HNIL	High-noise-immunity-logic
HNL	High-noise-immunity-logic
HTL	High-speed TTL
I/FACE	Interface
IMX	Maximum current consumption
INDICTR	Indicator
INDIV	Individual
INTER	Internal
INV	Inverted, inverter
IO	Input-output
IP	Input
ISL	Integrated Schottky-logic
ISOL	Isolated
I2L	Integrated-injection-logic
JAN	Joint Army Navy (specifications)
LAC	Look ahead carry generator
LAHC	Look ahead carry
LAHCG	Look ahead carry generator
LCD	Liquid crystal display
LCH	Latch
LD	Lead, terminal, pinout
LIFO	Last-in, first-out, register
LIN	Line
LMP	Lamp driver
LN	Line
LND	Line driver
LO	Low
L/R	Left-right (shift)
LSH	Level shifter (translator)
LSI	Large scale integration
LSL	Low speed logic
LST	Low-power Schottky-TTL
LTCH	Latch
LTL	Low-power-transistor-logic
M	MHZ
MA	Milliampere
MBM	Magnetic bubble memory
MEM	Memory
MFR	Manufacturer
MHZ	Megahertz
MIC	Microprocessor
MICROPROC	Microprocessor
MIL	Military
MLT	Multiplier
MN	Minimum
MNS	Metal-nitride-oxide-silicon MOS
MOD	Modem
MOD N.	Modulo-N
MON	Monostable multivibrator
MOS	Metal-oxide-silicon (MOS)
MOTLA	Motorola semiconductors
MS	MOS
M-S	Master slave
MSTR SLVE	Master slave
MULTI	Multivibrator
MULTIVIB	Multivibrator
MUX	Multiplexer
MW	Milliwatt
MX	Maximum
NAN	NAND gate
NATRL	Natural
NIX	Nixie
NMS	N-channel MOS
NOR	NOR gate
NOS	Numbers
NS	Nanoseconds
NUM	Numerical
OA	OR/AND gate
OAI	OR/AND gate, inverted output
OBS	Obsolete, obsolescent
OC	Open circuit, open collector
OC	Open circuit output
OCT	Octal, octave
OCTAL	8 elements in one package
OD	Open drain
OE	Open emitter
OP	Output
O/P	Output
ORG	OR-gate, organ

ORN	OR/NOR gate
OSC	Oscillator
P	Plastic
PAR	Parity generator/checker
PAR	Parallel
PARAL	Parallel
PARALL	Parallel
PCM	Pulse code-modulation
PH	Phase
PINOUT	Lead connection
PIPO	Parallel-in, parallel-out
PISO	Parallel-in, serial-out
PK	Pack
PLA	Programmed logic array
PLAS	Plastic
PLL	Phase locked loop
PMS	P-channel MOS (PMOS)
PMX	Maximum power consumption
PREC	Precision
PRECSN	Precision
PRESET	Presettable
PRESETT	Presettable
PROG	Programmable
PROGAM	Programmable
PROGRAMM	Programmable
PROM	Programmable read-only memory
PS	Parallel-serial
PU	Pull-up
PUSH/POP	Push-down pop up program stack
PWR	Power
QUAD	4 elements in one package
QUINT	5 elements in one package
R	Reset (= clear)
RADN	Radiation
RAM	Random access memory
RB	Ripple blank
RBI	Ripple blank, inverted input
RCT	Resistor-capacitor-transistor-logic
RCTL	Resistor-capacitor-transistor-logic
RCV	Receiver, line
RCVR	Receiver
REG	Register, file
RETRIGG	Retriggerable
ROM	Read-only memory
RPPL	Ripple
RPPLE	Ripple
RS	Reset/set (= clear/preset)
RST	Reset set/T-type (flip-flop)
RTL	Resistor-transistor-logic
RW	Read/Write (memory)
RX	Receiver
S	Series
S	Set (= preset)
SAM	Simultaneously addressable memory
SCH	Schmitt trigger
SEL	Selector, data
SEP	Separate(ly)
SEPTLY	Separately
SER	Series
SG	Segment
SGMT	Segment
SGT	Segment
SH	Shift
SHFT	Shift
SHFTR	Shifter
SIL	Silicon
SIM	Simultaneous
SIPO	Serial-in, parallel-out, register
SISO	Serial-in, serial-out, register
SLVE	Slave
SOS	Silicon-on-sapphire (MOS)
SPD	Speed
SPEED	Clock = MHZ, switching = NS
SPST	Single-pole, single-throw, switch
SR	Series
SR	Set/reset (= preset/clear)
SRG	Shift register
SST	Super Schottky-TTL (Raytheon)
STAT	Static
STL	Schottky-TTL
STRB	Strobe
SUCC	Successive
SUHL	Sylvania Universal Hi-speed logic (74 Series TTL precursor)
SWT	Switch
SY	Synchronous
SYN	Synchronizer, synchronous
SYNC	Synchronous
SYNCH	Synchronous
SYNCHR	Synchronous
TERM	Terminal
TMX	Maximum operational temperature
TP	Typical
TRANS	Transparent
TRANSCVR	Transceiver (transmitter/receiver)
TRANSP	Transparent
TRID	Tridirectional
TRG	Triggered
TRIPLE	3 elements in one package
TRL	Old-nomenclature RTL
TRU	True
TRX	Transmitter/receiver, line
TS	Tristate output (= 3S)
TTL	Transistor-transistor-logic
TXL	Transmitter, line
UA	Microampere
UNIF	Unified
UNIP	Unipolar (fet)
UNIV	Universal

UP	Up (counter)
UP/DWN	Up/down (counter)
US	Microsecond
UW	Microwatt
V	Volt
VAR	Various, variable
VBB	Base DC supply voltage
VCC	Collector DC supply voltage
VCO	Voltage controlled oscillator
VDD	Drain DC supply voltage
VEE	Emitter DC supply voltage
VERSN	Version
VMS	Vertical (V-groove) MOS
VOH	Output-high voltage
VRSN	Version
VS	DC supply voltage
VSS	Source DC supply voltage
VTL	Variable-threshold-logic
WD	Word, wide
W/O	Without
WRD	Word
WTH	With
XCVR	Transmitter/receiver
XNR	Exclusive-NOR gate
XON	Exclusive-OR/NOR gate
XOR	Exclusive-OR gate
XXX	Uncoded function
3S	Tristate output (= 3S)
>	Divide by (= ÷)

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