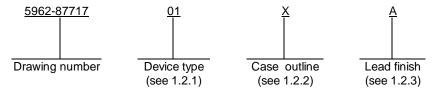
						ı	REVISI	ONS										
LTR			ı	DESCR	IPTIO	N					DATE (YR-MO-DA)		APPROVED		)			
Α	Drawing update	Drawing updated to reflect current requirements. Editorial changes throughout. –					00-12-13		Raymond Monnin									
В	Corrected para	graph 1.2.1	. Edito	orial cha	nges th	rougho	out. – dr	w				02-1	12-11		Raymond Monnin		nin	
		Т	he ori	iginal f	first pa	age o	f this o	drawin	g has	beer	repla	aced.						
SHEET		Т	he ori	iginal f	first pa	age o	f this c	drawin	g has	been	repla	aced.						
REV		T	he ori	iginal f	first pa	age o	f this o	drawin	g has	been	repla	aced.						
HEET REV HEET	S	T		iginal f	first pa	age of	f this o	drawin	g has	been	repla	aced.	В	В	В	В		
SHEET REV SHEET REV STATUS			/	iginal f									B 9	B 10	B 11	B 12		
SHEET REV SHEET REV STATUS DF SHEETS		RE\ SHE	/		В	В	В	В	В	В	В	В				-		
SHEET REV SHEET REV STATUS DF SHEETS		RE\ SHE	/ EET		B 1	B 2	В	В	B 5	B 6	B 7	B 8	9	10	11	12	us	
SHEET REV SHEET REV STATUS DF SHEETS MIC N/A		RE\ SHE	/ EET	D BY	B 1	B 2	В	В	B 5	B 6	B 7	B 8	9 .Y <b>CE</b>	10	11 COL	12 -UMB	US	
SHEET REV SHEET REV STATUS DF SHEETS MIC N/A STA	ANDARD OCIRCUIT	RE\ SHE	/ EET PAREC	D BY	B 1	B 2	В	В	B 5	B 6	B 7	B 8	9 .Y CE US, O	10	11 R COL 43216	12 -UMB	US	
SHEET REV SHEET REV STATUS DF SHEETS MIC N/A STA	ANDARD	RE\ SHE PRE	/ EET PAREL M	D BY Marcia B BY Wm. J.	B 1	B 2	В	В	B 5	B 6	B 7	B 8	9 .Y CE US, O	10 NTER	11 R COL 43216	12 -UMB	US	
SHEET REV SHEET REV STATUS OF SHEETS MIC N/A STA MICR DR THIS DRAW FOR I	ANDARD OCIRCUIT RAWING  VING IS AVAILABL USE BY ALL	RE\ SHE PRE	/ EET PAREI	D BY Marcia B BY Wm. J.	B 1	B 2	В	B 4	B 5	B 6	B 7	B 8 8 UPPL UMB D://ww	9 .Y CE US, O vw.ds	NTER HIO A scc.dl	COL 43216 a.mil	UMB	ET	N
MICR DR THIS DRAW FOR I DEPA AND AGE	ANDARD OCIRCUIT RAWING	RE\ SHE PRE	PROVE	D BY Marcia B BY Wm. J ED BY Michael	B 1  . Keller  Johnson	B 2	В	B 4	B 5	B 6	B 7	B 8 8 UPPL UMB D://ww	9 .Y CE US, O vw.ds	NTER HIO A scc.dl	COL 43216 a.mil	UMB	ET	N
SHEET REV SHEET REV STATUS DF SHEETS MIC N/A  STA MICRO DR  THIS DRAW FOR I DEPA AND AGE DEPARTME	ANDARD OCIRCUIT RAWING  VING IS AVAILABL USE BY ALL ARTMENTS ENCIES OF THE ENT OF DEFENSE	REV SHE PRE CHE	/ EET PAREE M CCKED	D BY Marcia B BY Wm. J ED BY Michael APPRC	B 1  . Kelleh  Johnson  A. Fry  DVAL E	B 2	В	B 4	B 5	B 6	B 7	B 8 UPPL UMB D://ww	9 .Y CE US, O vw.ds	NTER HIO A scc.dl	COL 43216 a.mil	UMB	ET	N
SHEET REV SHEET REV STATUS OF SHEETS MIC N/A  STA MICR DR  THIS DRAW FOR I DEPA AND AGE DEPARTME	ANDARD OCIRCUIT RAWING  VING IS AVAILABL USE BY ALL ARTMENTS ENCIES OF THE	REV SHE PRE CHE	/ EET PAREE M CCKED	D BY Marcia B BY Wm. J D BY APPRO 88-1 LEVEL	B 1  . Kelleh  Johnson  A. Fry  DVAL E	B 2	В	B 4	B 5	B 6	B 7	B 8  UPPL UMB D://wv	9 .Y CE US, O vw.ds	NTER HIO SCC.dl	COL 43216 a.mil	UMB	ET	N

# 1. SCOPE

- 1.1 <u>Scope</u>. This drawing describes device requirements for MIL-STD-883 compliant, non-JAN class level B microcircuits in accordance with MIL-PRF-38535, appendix A.
  - 1.2 Part or Identifying Number (PIN). The complete PIN is as shown in the following example:



1.2.1 <u>Device type</u>. The device type identify the circuit function as follows:

Device type	Generic number	<u>Circuit function</u>		
01	MUX-16A	16-channel JFET analog multiplexer (overvoltage protected)		
02	MUX-16B	16-channel JFET analog multiplexer (overvoltage protected)		

1.2.2 Case outlines. The case outlines are as designated in MIL-STD-1835 and as follows:

Outline letter Descriptive designator		<u>Terminals</u>	Package style		
X	GDIP1-T28 or CDIP2-T28	28	Dual-in-line		
3	CQCC1-N28	28	Square leadless chip carrier		

- 1.2.3 Lead finish. The lead finish is as specified in MIL-PRF-38535, appendix A.
- 1.3 Absolute maximum ratings.

Positive supply voltage (V <sub>CC</sub> ) Negative supply voltage (V <sub>EE</sub> )	
Logic input voltage	(-4 V or $V_{EE}$ ) to $V_{CC}$
Analog input voltage  Maximum current through any pin	
Storage temperature range	-65°C to +150°C
Power dissipation (P <sub>D</sub> ) 1/	
Lead temperature (soldering, 60 seconds)	
Junction temperature ( $T_J$ )	
Thermal resistance, junction-to-case (θ <sub>JA</sub> ):	366 MIL-31D-1033
Case X	55°C/W
Case 2	108°C/W

1.4 Recommended operating conditions.

Positive supply voltage (V <sub>CC</sub> )	+15 V dc
Negative supply voltage (V <sub>EE</sub> )	-15 V dc
Ambient operating temperature range (T <sub>A</sub> )	-55°C to +125°C
Digital "1" input voltage (V <sub>H</sub> )	2.0 V min
Digital "0" input voltage (V <sub>IL</sub> )	0.8 V max
Analog voltage range (V <sub>A</sub> )	±10 V max

1/ Derate above +75°C, 16 mW/°C.

STANDARD MICROCIRCUIT DRAWING	SIZE <b>A</b>		5962-87717
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43216-5000		REVISION LEVEL B	SHEET 2

## 2. APPLICABLE DOCUMENTS

2.1 <u>Government specification, standards, and handbooks</u>. The following specification, standards, and handbooks form a part of this drawing to the extent specified herein. Unless otherwise specified, the issues of these documents are those listed in the issue of the Department of Defense Index of Specifications and Standards (DoDISS) and supplement thereto, cited in the solicitation.

### **SPECIFICATION**

#### **DEPARTMENT OF DEFENSE**

MIL-PRF-38535 - Integrated Circuits, Manufacturing, General Specification for.

#### **STANDARDS**

#### DEPARTMENT OF DEFENSE

MIL-STD-883 - Test Method Standard Microcircuits.

MIL-STD-1835 - Interface Standard Electronic Component Case Outlines.

#### **HANDBOOKS**

### DEPARTMENT OF DEFENSE

MIL-HDBK-103 - List of Standard Microcircuit Drawings.
MIL-HDBK-780 - Standard Microcircuit Drawings.

(Unless otherwise indicated, copies of the specification, standards, and handbooks are available from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.)

2.2 <u>Order of precedence</u>. In the event of a conflict between the text of this drawing and the references cited herein, the text of this drawing takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

### 3. REQUIREMENTS

- 3.1 Item requirements. The individual item requirements shall be in accordance with MIL-PRF-38535, appendix A for non-JAN class level B devices and as specified herein. Product built to this drawing that is produced by a Qualified Manufacturer Listing (QML) certified and qualified manufacturer or a manufacturer who has been granted transitional certification to MIL-PRF-38535 may be processed as QML product in accordance with the manufacturers approved program plan and qualifying activity approval in accordance with MIL-PRF-38535. This QML flow as documented in the Quality Management (QM) plan may make modifications to the requirements herein. These modifications shall not affect form, fit, or function of the device. These modifications shall not affect the PIN as described herein. A "Q" or "QML" certification mark in accordance with MIL-PRF-38535 is required to identify when the QML flow option is used.
- 3.2 <u>Design, construction, and physical dimensions</u>. The design, construction, and physical dimensions shall be as specified in MIL-PRF-38535, appendix A and herein.
  - 3.2.1 Case outlines. The case outlines shall be in accordance with 1.2.2 herein.
  - 3.2.2 <u>Terminal connections</u>. The terminal connections shall be as specified on figure 1.
  - 3.2.3 Truth table. The truth table shall be as specified on figure 2.
  - 3.2.4 Logic diagram. The logic diagram shall be as specified on figure 3.
  - 3.2.5 Switching time waveforms. The switching time waveforms shall be as specified on figure 7.

STANDARD MICROCIRCUIT DRAWING	SIZE <b>A</b>		5962-87717
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43216-5000		REVISION LEVEL B	SHEET 3

	TAB	LE I. Electrical performance ch	naracteristics.				
Test	Symbol		Group A subgroups	Device type	Limits		Unit
		unless otherwise specified			Min	Max	
Positive supply current	Icc		1	All		19	mA
			2, 3			24	
Negative supply current	lee		1	All	-7.0		mA
			2, 3		-8.2		
"ON" resistance	Ron	-10 V ≤ V <sub>SOURCE</sub> ≤ +10 V,	1	01		380	Ω
		I <sub>SOURCE</sub> ≤ 200 μA	2,3			500	
			1	02		580	
			2, 3			800	
"ON" resistance change with	Δ R <sub>ON</sub> /	-10 V ≤ V <sub>SOURCE</sub> ≤ +10 V,	1, 2	All		5	%
change in source voltage	$\Delta$ V <sub>SOURCE</sub>	I <sub>SOURCE</sub> = 200 μA <u>1</u> /	3			7	
R <sub>ON</sub> MATCH	R <sub>ON</sub>	V <sub>SOURCE</sub> = 0 V,	1, 2	01		15	%
between switches	MATCH	Isource = 200 μA <u>1</u> /, <u>2</u> /	3			18	
			1, 2	02		20	
			3			23	
Digital input current	I <sub>IN</sub>	V <sub>IN</sub> = 0.4 V to 15 V	1	All		±10	μА
			2, 3			±20	
Digital "0" enable current	I <sub>IN(EN)</sub>	V <sub>IN(EN)</sub> = 0.4 V	1	All		±10	μΑ
			2, 3			±20	

See footnotes at end of table.

STANDARD MICROCIRCUIT DRAWING	SIZE <b>A</b>		5962-87717
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43216-5000		REVISION LEVEL B	SHEET 4

	TABLE	I. Electrical perfor	mance characte	<u>eristics</u> - continu	ued.			
Test	Symbol	Conditions $-55^{\circ}C \le T_A \le +125^{\circ}C$ $V_{CC} = +15 \text{ V}, V_{EE} = -15 \text{ V}$		Group A subgroups	Device type	Limits		Unit
		unless otherwi	se specified			Min	Max	
Source current	I <sub>SOURCE</sub>	V <sub>SOURCE</sub> = 10 V	V <sub>IL</sub> = 0.8 V	1, 3	01		±1	nA
(Switch "OFF")	(OFF)	$V_{DRAIN} = -10 V$	V <sub>IL</sub> = 0.7 V	2			±25	
		<u>3</u> /	$V_{IL} = 0.8V$	1, 3	02		±2	
			V <sub>IL</sub> = 0.7 V	2			±50	
Drain current	I <sub>DRAIN</sub>	V <sub>SOURCE</sub> = 10 V	V <sub>IL</sub> = 0.8V	1, 3	01		±1	nA
(Switch "OFF")	(OFF)	V <sub>DRAIN</sub> = -10 V	V <sub>IL</sub> = 0.7 V	2			±75	
		<u>3</u> /	V <sub>IL</sub> = 0.8 V	1, 3	02		±2	
			V <sub>IL</sub> = 0.7 V	2			±250	
Leakage current	I <sub>DRAIN</sub> (ON)+	V <sub>IH</sub> = 2 V,		1, 3	01		±1	nA
(Switch "ON")	I <sub>SOURCE</sub> (ON)	V <sub>SOURCE</sub> = V <sub>DRAIN</sub>	= +10 V	2			±75	
		<u>3</u> /		1, 3	02		±2	
				2			±250	
Analog voltage range	V <sub>A</sub>	<u>1</u> /		1, 2, 3	All	±10		V
Digital "0" input voltage	V <sub>IL</sub>	<u>1</u> /		1, 3	All		0.8	V
				2			0.7	
Digital "1" input voltage	V <sub>IH</sub>	<u>1</u> /		1, 2, 3	All	2.0		V
Functional tests 4/		See 4.3.1c		1, 2, 3	All			
Switching time	t <sub>PHL</sub> , t <sub>PLH</sub>	$V_{S1} = +10 \text{ V}, V_{S16}$ $R_L = 10 \text{ M}\Omega, C_L =$	= 10 pF	9	All		2.0	μs
		See figures 4 and 7		10, 11 <u>1</u> /			3.5	

See footnotes at end of table.

STANDARD MICROCIRCUIT DRAWING	SIZE <b>A</b>		5962-87717
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43216-5000		REVISION LEVEL B	SHEET 5

TABLE I.	<u>Electrical performance characteristics</u> - continued.
----------	--

Test	Symbol	$ \begin{array}{c} Conditions \\ -55^{\circ}C \leq T_{A} \leq +125^{\circ}C \\ V_{CC} = +15 \text{ V}, \text{ V}_{EE} = -15 \text{ V} \end{array} $	Group A subgroups	Device type	Lin	nits	Unit
		unless otherwise specified			Min	Max	
Enable delay "ON"	t <sub>ON(EN)</sub>	$V_{S1} = -1.0 \text{ V}, C_L = 10 \text{ pF},$	9	All		2.0	μs
		$R_L = 1 k\Omega$ ,	10, 11 <u>1</u> /			3.0	
Enable delay "OFF"	t <sub>OFF(EN)</sub>	See figures 5 and 7	9	All		0.5	
			10, 11 <u>1</u> /			1.0	
Break-before-make delay	t <sub>OPEN</sub>	$V_{S1} = V_{S16} = -1V$ , $T_A = 25$ °C See figures 6 and 7	9	All	2.0		μs

- 1/ Guaranteed, if not tested, to the specified limits.
- $\underline{2}$ / R<sub>ON</sub> match specified as a percentage of R<sub>AVERAGE</sub> where:

1 N

 $R_{\text{AVERAGE}} = \overline{N} \sum_{i} \Sigma_{i} \text{ with } N = \text{number of channels, } R_{i} = \text{each channel's "ON" resistance.}$ 

- 3/ Conditions applied to leakage tests insure worst case leakages.
- 4/ Verified by leakage tests.
  - 3.3 <u>Electrical performance characteristics</u>. Unless otherwise specified herein, the electrical performance characteristics are as specified in table I and shall apply over the full ambient operating temperature range.
- 3.4 <u>Electrical test requirements</u>. The electrical test requirements shall be the subgroups specified in table II. The electrical tests for each subgroup are described in table I.
- 3.5 <u>Marking</u>. Marking shall be in accordance with MIL-PRF-38535, appendix A. The part shall be marked with the PIN listed in 1.2 herein. In addition, the manufacturer's PIN may also be marked as listed in MIL-HDBK-103 (see 6.6 herein). For packages where marking of the entire SMD PIN number is not feasible due to space limitations, the manufacturer has the option of not marking the "5962-" on the device.
- 3.5.1 <u>Certification/compliance mark.</u> A compliance indicator "C" shall be marked on all non-JAN devices built in compliance to MIL-PRF-38535, appendix A. The compliance indicator "C" shall be replaced with a "Q" or "QML" certification mark in accordance with MIL-PRF-38535 to identify when the QML flow option is used.
- 3.6 <u>Certificate of compliance</u>. A certificate of compliance shall be required from a manufacturer in order to be listed as an approved source of supply in MIL-HDBK-103 (see 6.6 herein). The certificate of compliance submitted to DSCC-VA prior to listing as an approved source of supply shall affirm that the manufacturer's product meets the requirements of MIL-PRF-38535, appendix A and the requirements herein.
- 3.7 <u>Certificate of conformance</u>. A certificate of conformance as required in MIL-PRF-38535, appendix A shall be provided with each lot of microcircuits delivered to this drawing.
- 3.8 <u>Notification of change</u>. Notification of change to DSCC-VA shall be required in accordance with MIL-PRF-38535, appendix A.
- 3.9 <u>Verification and review</u>. DSCC, DSCC's agent, and the acquiring activity retain the option to review the manufacturer's facility and applicable required documentation. Offshore documentation shall be made available onshore at the option of the reviewer.

STANDARD MICROCIRCUIT DRAWING	SIZE <b>A</b>		5962-87717
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43216-5000		REVISION LEVEL B	SHEET 6

	1
Device type	01 and 03
Case outline	X and 3
Terminal number	Terminal symbol
1	V <sub>CC</sub>
2	NC
3	NC
4	S16
5	S15
6	S14
7	S13
8	S12
9	S11
10	S10
11	<b>S</b> 9
12	GND
13	NC
14	$A_3$
15	A <sub>2</sub>
16	A <sub>1</sub>
17	A <sub>0</sub>
18	ENABLE
19	S1
20	S2
21	<b>S</b> 3
22	S4
23	<b>S</b> 5
24	S6
25	<b>S</b> 7
26	S8
27	V <sub>EE</sub>
28	DRAIN

FIGURE 1. Terminal connections.

# STANDARD MICROCIRCUIT DRAWING

DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43216-5000

SIZE <b>A</b>		5962-87717
	REVISION LEVEL B	SHEET 7

A <sub>3</sub>	A <sub>2</sub>	A <sub>1</sub>	A <sub>0</sub>	ENABLE	"ON" Channel
Х	Х	Х	Х	L	NONE
L	L	L	L	Н	1
L	L	L	Н	Н	2
L	L	Н	L	Н	3
L	L	Н	Н	Н	4
L	Н	L	L	Н	5
L	Н	L	Н	Н	6
L	Н	Н	L	Н	7
L	Н	Н	Н	Н	8
Н	L	L	L	Н	9
Н	L	L	Н	Н	10
Н	L	Н	L	Н	11
Н	L	Н	Н	Н	12
Н	Н	L	L	Н	13
Н	Н	L	Н	Н	14
Н	Н	Н	L	Н	15
Н	Н	Н	Н	Н	16

FIGURE 2. Truth table.

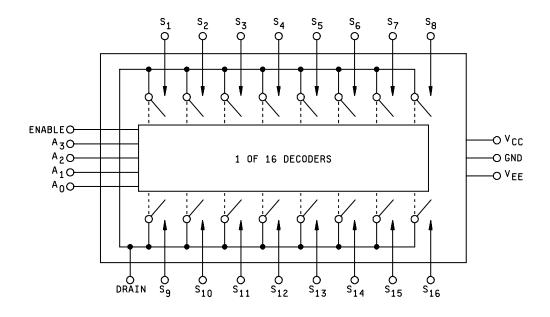


FIGURE 3. Logic diagram.

STANDARD MICROCIRCUIT DRAWING	SIZE <b>A</b>		5962-87717
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43216-5000		REVISION LEVEL B	SHEET 8

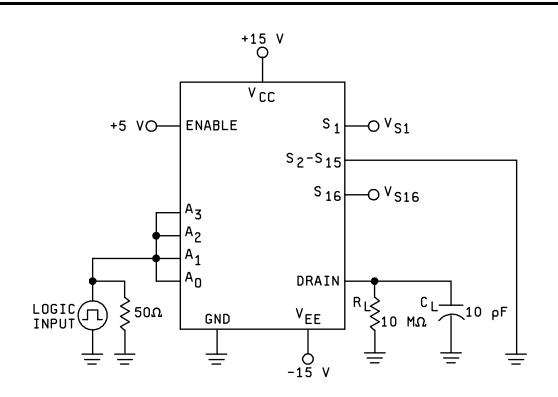


FIGURE 4. Switching time test circuit.

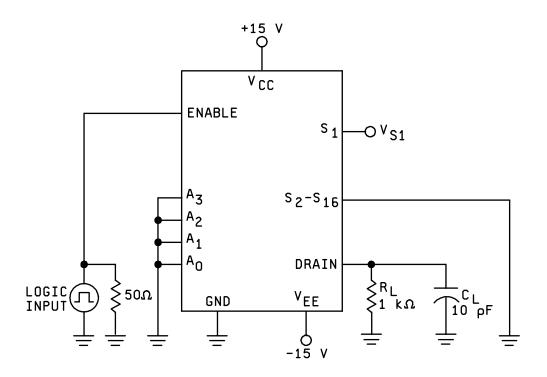


FIGURE 5. Enable delay time test circuit.

STANDARD MICROCIRCUIT DRAWING	SIZE <b>A</b>		5962-87717
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43216-5000		REVISION LEVEL B	SHEET 9

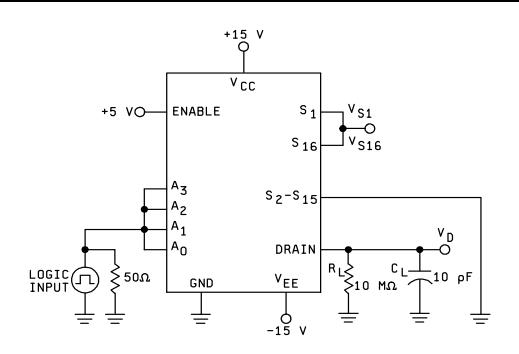


FIGURE 6. Break-before-make test circuit.

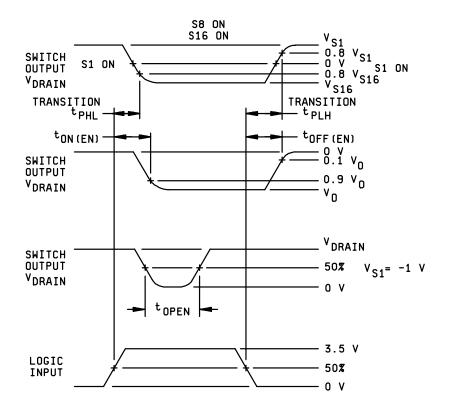


FIGURE 7. Switching time waveforms.

STANDARD MICROCIRCUIT DRAWING	SIZE <b>A</b>		5962-87717
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43216-5000		REVISION LEVEL B	SHEET 10

# 4. QUALITY ASSURANCE PROVISIONS

- 4.1 <u>Sampling and inspection</u>. Sampling and inspection procedures shall be in accordance with MIL-PRF-38535, appendix A.
- 4.2 <u>Screening</u>. Screening shall be in accordance with method 5004 of MIL-STD-883, and shall be conducted on all devices prior to quality conformance inspection. The following additional criteria shall apply:
  - a. Burn-in test, method 1015 of MIL-STD-883.
    - (1) Test condition A, B, C, or D. The test circuit shall be maintained by the manufacturer under document revision level control and shall be made available to the preparing or acquiring activity upon request. The test circuit shall specify the inputs, outputs, biases, and power dissipation, as applicable, in accordance with the intent specified in test method 1015 of MIL-STD-883.
    - (2)  $T_A = +125^{\circ}C$ , minimum.
  - b. Interim and final electrical test parameters shall be as specified in table II herein, except interim electrical parameter tests prior to burn-in are optional at the discretion of the manufacturer.

TABLE II. Electrical test requirements.

MIL-STD-883 test requirements	Subgroups (in accordance with MIL-STD-883, method 5005, table I)
Interim electrical parameters (method 5004)	1
Final electrical test parameters (method 5004)	1*, 2, 3, 9
Group A test requirements (method 5005)	1, 2, 3, 9, (10, 11)**
Groups C and D end-point electrical parameters (method 5005)	1

<sup>\*</sup> PDA applies to subgroup 1.

- 4.3 Quality conformance inspection. Quality conformance inspection shall be in accordance with method 5005 of MIL-STD-883 including groups A, B, C, and D inspections. The following additional criteria shall apply.
  - 4.3.1 Group A inspection.
    - a. Tests shall be as specified in table II herein.
    - Subgroups 4, 5, 6, 7, and 8 in table I, method 5005 of MIL-STD-883 shall be omitted.
    - c. Leakage tests, performed on all channels, shall verify the truth table.

STANDARD MICROCIRCUIT DRAWING	SIZE <b>A</b>		5962-87717
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43216-5000		REVISION LEVEL B	SHEET 11

<sup>\*\*</sup> Subgroups 10 and 11 are guaranteed, if not tested, to the limits specified in table I.

# 4.3.2 Groups C and D inspections.

- a. End-point electrical parameters shall be as specified in table II herein.
- b. Steady-state life test conditions, method 1005 of MIL-STD-883.
  - (1) Test condition A, B, C, or D. The test circuit shall be maintained by the manufacturer under document revision level control and shall be made available to the preparing or acquiring activity upon request. The test circuit shall specify the inputs, outputs, biases, and power dissipation, as applicable, in accordance with the intent specified in test method 1005 of MIL-STD-883.
  - (2)  $T_A = +125^{\circ}C$ , minimum.
  - Test duration: 1,000 hours, except as permitted by method 1005 of MIL-STD-883.

## 5. PACKAGING

- 5.1 Packaging requirements. The requirements for packaging shall be in accordance with MIL-PRF-38535, appendix A.
- 6. NOTES
- 6.1 <u>Intended use</u>. Microcircuits conforming to this drawing are intended for use for Government microcircuit applications (original equipment), design applications, and logistics purposes.
- 6.2 <u>Replaceability</u>. Microcircuits covered by this drawing will replace the same generic device covered by a contractor-prepared specification or drawing.
- 6.3 <u>Configuration control of SMD's</u>. All proposed changes to existing SMD's will be coordinated with the users of record for the individual documents. This coordination will be accomplished using DD Form 1692, Engineering Change Proposal.
- 6.4 <u>Record of users</u>. Military and industrial users shall inform Defense Supply Center Columbus when a system application requires configuration control and the applicable SMD. DSCC will maintain a record of users and this list will be used for coordination and distribution of changes to the drawings. Users of drawings covering microelectronics devices (FSC 5962) should contact DSCC-VA, telephone (614) 692-0544.
- 6.5 <u>Comments</u>. Comments on this drawing should be directed to DSCC-VA, Columbus, Ohio 43216-5000, or telephone (614) 692-0547.
- 6.6 <u>Approved sources of supply</u>. Approved sources of supply are listed in MIL-HDBK-103. The vendors listed in MIL-HDBK-103 have agreed to this drawing and a certificate of compliance (see 3.6 herein) has been submitted to and accepted by DSCC-VA

STANDARD		
MICROCIRCUIT DRAWING		

DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43216-5000

SIZE <b>A</b>		5962-87717
	REVISION LEVEL B	SHEET 12

## STANDARD MICROCIRCUIT DRAWING BULLETIN

DATE: 02-12-11

Approved sources of supply for SMD 5962-87717 are listed below for immediate acquisition information only and shall be added to MIL-HDBK-103 and QML-38535 during the next revision. MIL-HDBK-103 and QML-38535 will be revised to include the addition or deletion of sources. The vendors listed below have agreed to this drawing and a certificate of compliance has been submitted to and accepted by DSCC-VA. This bulletin is superseded by the next dated revision of MIL-HDBK-103 and QML-38535.

Standard	Vendor	Vendor
microcircuit drawing	CAGE	similar
PIN <u>1</u> /	number	PIN <u>2</u> /
5962-8771701XA	24355	MUX-16AT
5962-8771702XA	24355	MUX-16BT
5962-87717023A	24355	MUX-16BTC

- The lead finish shown for each PIN representing a hermetic package is the most readily available from the manufacturer listed for that part. If the desired lead finish is not listed contact the vendor to determine its availability.
- 2/ Caution. Do not use this number for item acquisition. Items acquired to this number may not satisfy the performance requirements of this drawing.

Vendor CAGE number

nber and address

24355

Analog Devices
Rt 1 Industrial Park
PO Box 9106
Norwood, MA 02062
Point of contact:

Vendor name

1500 Space Park Drive PO Box 58020 Santa Clara, CA 95050-8020

The information contained herein is disseminated for convenience only and the Government assumes no liability whatsoever for any inaccuracies in the information bulletin.