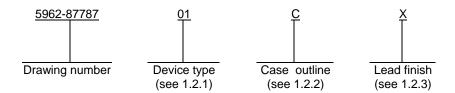
						I	REVISI	ONS										
LTR			ı	DESCF	RIPTIO	N					DATE (YR-MO-DA)			A) APPROVED		)		
А	Drawing updated	to reflec	ct curre	nt requ	iremen	ts ro	)				02-09-19			R. MONNIN		l		
В	Drawing updated	as part	as part of 5 year reviewrrp						07-0	08-13		ROBERT M. HEBER		BER				
	L FIRST PAGE OF	THIS DR	RAWING	G HAS	BEEN I	REPLA	.CED.	<u> </u>	<u> </u>		1	<b>T</b>	1	1		1	<u> </u>	
REV	L FIRST PAGE OF	THIS DR	RAWING	G HAS	BEEN	REPLA	CED.											
REV	L FIRST PAGE OF	THIS DR	RAWING	G HAS	BEEN	REPLA	CED.											
REV SHEET REV	L FIRST PAGE OF	THIS DR	RAWING	G HAS	BEEN I	REPLA	CED.											
REV SHEET REV SHEET				G HAS				В	В	В	В	В	В	В	В			
REV SHEET REV SHEET REV STATUS		THIS DR	V	G HAS	BEEN I	REPLA B 2	B 3	B 4	B 5	B 6	B 7	B 8	B 9	B 10	B 11			
REV SHEET REV SHEET REV STATUS DF SHEETS		RE\ SHE	V EET		B 1	В	В		5	6	7	8	9	10	11	UMF	BUS	
REV SHEET REV SHEET REV STATUS DF SHEETS MIC N/A  STAI		RE\ SHE PRE F	V EET PAREI RICK C	D BY	B 1	B 2	В		5	6 EFEN	7 SE SI	8 UPPL	9 .Y CE	10 NTER O 432	11 R COL 218-3		BUS	
REV SHEET REV SHEET REV STATUS OF SHEETS MIC N/A STAI MICRO DRA	NDARD	RE\ SHE PRE F	V EET PAREI RICK C	D BY C OFFICE BY ES E. E	B 1	B 2	В	MIC AMI	DI DI CROC PLIFI	EFEN CC	SE SI DLUM http	BUPPLIBUS	y CE, OHIO	NTER O 432 cc.dl	218-3: a.mil	990 		
REV SHEET REV SHEET REV STATUS DF SHEETS MIC N/A  STAI MICRO DRA  THIS DRAWIN FOR U DEPAI AND AGEN	NDARD DCIRCUIT AWING	RE\ SHE PRE F	V EET EPAREI RICK C ECKED CHARLE	D BY :. OFFICE BY ES E. E	B 1 CER BESORI	B 2	В	MIC AMI	DI DI CROC PLIFI	EFEN CC	SE SI DLUM http	BUPPLIBUS	y CE, OHIO	NTER O 432 cc.dl	218-3: a.mil	990 		
REV SHEET REV SHEET REV STATUS OF SHEETS PMIC N/A  STAI MICRO DRA  THIS DRAWIN FOR U DEPAI AND AGEN DEPARTMEN	NDARD DCIRCUIT AWING  NG IS AVAILABLE ISE BY ALL RTMENTS NCIES OF THE	REV SHE PRE F	PROVE	D BY E. OFFICE BY ES E. E D BY EL A. F	B 1 CER BESORI	B 2	В	MIC AMI MO	DI DI CROC PLIFI	EFEN CC CIRCU ER, V	SE SI DLUM http	BUPPLIBUS:  JINE:  EBAN  ICON	y CE, OHIO	NTER D 432 cc.dla	218-3: a.mil	990 ONAL V RA	- TE,	

## 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 Device type(s). The device type(s) identify the circuit function as follows:

<u>Device type</u> <u>Generic number</u>		Circuit function
01	HA-2539	High slew rate wideband operational amplifier
02	EL-2039	High slew rate wideband operational amplifier

1.2.2 Case outline(s). The case outline(s) are as designated in MIL-STD-1835 and as follows:

Outline letter	Descriptive designator	<u>Terminals</u>	Package style
С	GDIP1-T14 or CDIP2-T14	14	Dual-in-line
2	CQCC1-N20	20	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.

Voltage between +V <sub>S</sub> and -V <sub>S</sub> terminals	35 V dc
Differential input voltage (V <sub>ID</sub> )	6.0 V dc
Voltage at either input terminal	+Vs to -Vs
Peak output current ( < 10 % duty cycle)	50 mA
Power dissipation (P <sub>D</sub> ):	
Case C	1.03 W <u>1</u> /
Case 2	1.06 W <u>2</u> /
Storage temperature range	-65°C to +150°C
Lead temperature (soldering, 10 seconds)	+275°C
Junction temperature (T <sub>J</sub> )	+175°C
Thermal resistance, junction-to-case ( $\theta_{JC}$ )	See MIL-STD-1835
Thermal resistance, junction-to-ambient ( $\theta_{JA}$ ):	
Case C	98°C/W
Case 2	95°C/W

- $\underline{1}$ / Derate linearly above T<sub>A</sub> = +75°C at 10.2 mW/°C.
- 2/ Derate linearly above T<sub>A</sub> = +75°C at 10.6 mW/°C.

STANDARD MICROCIRCUIT DRAWING	SIZE <b>A</b>		5962-87787
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43218-3990		REVISION LEVEL B	SHEET 2

## 1.4 Recommended operating conditions.

Positive supply voltage range (+V <sub>S</sub> )	+12 V dc to +15 V dc
Negative supply voltage range (-V <sub>S</sub> )	-12 V dc to -15 V dc
Common mode input voltage (V <sub>CM</sub> )	$\leq$  (+V <sub>S</sub> - (-V <sub>S</sub> )) / 2
Load resistance (R <sub>L</sub> )	1.0 kΩ
Ambient operating temperature range (T <sub>A</sub> )	-55°C to +125°C

### 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 cited in the solicitation or contract.

### DEPARTMENT OF DEFENSE SPECIFICATION

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

## DEPARTMENT OF DEFENSE STANDARDS

MIL-STD-883 - Test Method Standard Microcircuits.

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

### DEPARTMENT OF DEFENSE HANDBOOKS

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

MIL-HDBK-780 - Standard Microcircuit Drawings.

(Copies of these documents are available online at <a href="http://assist.daps.dla.mil/quicksearch/">http://assist.daps.dla.mil</a> or <a href="http://assist.daps.dla.mil/quicksearch/">http://assist.daps.dla.mil/quicksearch/</a> or <a href="http://assist.daps.dla.mil/

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 <u>Item requirements</u>. 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 <u>Case outline</u>. The case outline shall be in accordance with 1.2.2 herein.
  - 3.2.2 Terminal connections. The terminal connections shall be as specified on figure 1.
- 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.

STANDARD MICROCIRCUIT DRAWING	SIZE <b>A</b>		5962-87787
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43218-3990		REVISION LEVEL B	SHEET 3

TABLE I. <u>Electrical performance characteristics</u> .							
Test	Symbol	Conditions $\underline{1}/$ -55°C $\leq$ T <sub>A</sub> $\leq$ +125°C unless otherwise specified	Group A subgroups	Device type	Li	mits	Unit
					Min	Max	Ī
Input offset voltage	V <sub>IO</sub>	V <sub>CM</sub> = 0 V	1	01	-10	+10	mV
			2,3		-15	+15	
			1	02	-2	+2	- 
			2,3		-6	+6	-
Input bias current	+I <sub>IB</sub>	V <sub>CM</sub> = 0 V	1	All	-20	+20	μА
			2,3		-25	+25	-
	-I <sub>IB</sub>		1	•	-20	+20	-
			2,3	•	-25	+25	-
Input offset current	IIO	V <sub>CM</sub> = 0 V	1	All	-6	+6	μА
			2,3		-8	+8	-
Common mode input range	+V <sub>CM</sub>	+V <sub>S</sub> = +5 V, -V <sub>S</sub> = -25 V	1,2,3	All	10		V
	-V <sub>CM</sub>	+V <sub>S</sub> = +25 V, -V <sub>S</sub> = -5 V	-			-10	-
Large signal voltage gain	+Avol	V <sub>OUT</sub> = 0 V and +10 V,	1	All	10		kV/V
		$R_L = 1 \text{ k}\Omega$	2,3		5		-
	-A <sub>VOL</sub>	V <sub>OUT</sub> = 0 V and -10 V,	1		10		_
		$R_L = 1 \text{ k}\Omega$	2,3		5		_

See footnotes at end of table.

STANDARD MICROCIRCUIT DRAWING	SIZE <b>A</b>		5962-87787
DEFENSE SUPPLY CENTER COLUMBUS		REVISION LEVEL	SHEET
COLUMBUS, OHIO 43218-3990		B	4

TABLE I. <u>Electrical performance characteristics</u> – Continued.

Test	Symbol	Conditions $\underline{1}/$ -55°C $\leq$ T <sub>A</sub> $\leq$ +125°C unless otherwise specified	Group A subgroups	Device type	Liı	mits	Unit
					Min	Max	
Common mode rejection ratio	+CMRR	$\Delta V_{CM} = +10 \text{ V},$ +V <sub>S</sub> = +5 V, -V <sub>S</sub> = -25 V, V <sub>OUT</sub> = -10 V	1,2,3	All	60		dB
	-CMRR	$\Delta V_{CM} = -10 \text{ V},$ +V <sub>S</sub> = +25 V, -V <sub>S</sub> = -5 V, V <sub>OUT</sub> = +10 V			60		
Output current	+lout	V <sub>OUT</sub> = -10 V, T <sub>A</sub> = +25°C	1	All	10		mA
	-lout	V <sub>OUT</sub> = +10 V, T <sub>A</sub> = +25°C				-10	
Output voltage swing	+V <sub>OUT</sub>	R <sub>L</sub> = 1 kΩ	1,2,3	All	+10		V
	-Vout					-10	
Quiescent power supply current	+lCC	I <sub>OUT</sub> = 0 mA,	1,2,3	01		25	mA
		V <sub>OUT</sub> = 0 V		02		17	
	-lcc			01	-25		
				02	-17		_
Power supply rejection ratio	+PSRR	$+V_S = +5.0 \text{ V} \text{ and } +15 \text{ V},$ $-V_S = -15 \text{ V}$	1,2,3	All	60		dB
	-PSRR	$-V_S = -5.0 \text{ V and } -15 \text{ V},$ $+V_S = +15 \text{ V}$			60		
Quiescent power <u>2</u> / <u>3</u> / consumption	PC	V <sub>OUT</sub> = 0 V, I <sub>OUT</sub> = 0 mA	1,2,3	01		720	mW
·				02		510	

See footnotes at end of table.

STANDARD
MICROCIRCUIT DRAWING

SIZE <b>A</b>		5962-87787
	REVISION LEVEL B	SHEET 5

TABLE I. <u>Electrical performance characteristics</u> – Continued.

Test	Symbol	Conditions $\underline{1}/$ -55°C $\leq$ T <sub>A</sub> $\leq$ +125°C unless otherwise specified	Group A subgroups	Device type	Liı	Limits Unit	
					Min	Max	
Gain bandwidth <u>2</u> / product	GBWP	V <sub>OUT</sub> = 100 mV,	4	01	370		MHz
		f <sub>O</sub> = 1 MHz, T <sub>A</sub> = +25°C		02	550		
		V <sub>OUT</sub> = 100 mV,		01	400		
		f <sub>O</sub> = 60 MHz, T <sub>A</sub> = +25°C		02	600		
Output resistance 2/	R <sub>OUT</sub>	T <sub>A</sub> = +25°C	4	All		60	Ω
Full power 2/4/ bandwidth	FPBW	V <sub>PEAK</sub> = 10 V, T <sub>A</sub> = +25°C	4	All	8.4		MHz
Closed loop stable 2/	CLSG	$R_L = 1 \text{ k}\Omega, C_L \leq 10 \text{ pF}$	4,5,6	All	10		V/V
Slew rate <u>2</u> /	+SR	$V_{OUT} = -5.0 \text{ V to } +5.0 \text{ V},$ $R_L = 1 \text{ k}\Omega, \text{ Ay} = 10 \text{ V/V},$		530		V/μs	
		measured at –4.0 V to +4.0 V	8		425		
		$V_{OUT} = -5.0 \text{ V to } +5.0 \text{ V},$ $R_L = 1 \text{ k}\Omega, \text{ Ay} = 10 \text{ V/V},$	7	02	530		
		measured at –2.5 V to +2.5 V	8		425		
	-SR	V <sub>OUT</sub> = +5.0 V to -5.0 V,	7	01	530		
		$R_{L} = 1 \text{ k}\Omega, \text{ A}_{V} = 10 \text{ V/V},$ measured at -4.0 V to +4.0 V	8		425		
		V <sub>OUT</sub> = +5.0 V to -5.0 V,	7	02	530		
		R <sub>L</sub> = 1 k $\Omega$ , A <sub>V</sub> = 10 V/V, measured at -2.5 V to +2.5 V	8		425		

See footnotes at end of table.

STANDARD
MICROCIRCUIT DRAWING
DEEENOE OUDDLY OFNITED COLUMNI

SIZE <b>A</b>		5962-87787
	REVISION LEVEL B	SHEET 6

TABLE I. <u>Electrical performance characteristics</u> – Continued.

Test	Symbol	Conditions $\underline{1}/$ -55°C $\leq$ T <sub>A</sub> $\leq$ +125°C unless otherwise specified	Group A subgroups	Device type	Liı	mits	Unit
					Min	Max	
Rise time <u>2</u> / <u>5</u> /	t <sub>R</sub>	V <sub>OUT</sub> = 0 V to +200 mV,	9	All		10	ns
		T <sub>A</sub> = +25°C					
Fall time <u>2</u> / <u>5</u> /	tF	V <sub>OUT</sub> = 0 V to -200 mV,	9	All		10	ns
		T <sub>A</sub> = +25°C					
Overshoot <u>2</u> /	+OS	V <sub>OUT</sub> = 0 V to +200 mV,	9	All		50	%
		T <sub>A</sub> = +25°C					
	-OS	V <sub>OUT</sub> = 0 V to -200 mV,				50	
		T <sub>A</sub> = +25°C					

- 1/ For all tests, unless otherwise specified, +V<sub>S</sub> = +15 V, -V<sub>S</sub> = -15 V, and C<sub>L</sub> ≤ 10 pF. Unless otherwise specified, for dc tests, R<sub>S</sub> = 100 Ω, R<sub>L</sub> = 100 kΩ, V<sub>OUT</sub> = 0 V, and for ac tests, A<sub>V</sub> = +10 V/V.
- 2/ If not tested, shall be guaranteed to the limits specified in table I herein.
- 3/ Quiescent power consumption based on quiescent supply current test maximum (no load on outputs).
- $\underline{4}$ / Full power bandwidth = SR / ( 2 x  $\pi$  x V<sub>PEAK</sub> ).
- 5/ Rise and fall times measured between 10 percent and 90 percent point.

STANDARD
MICROCIRCUIT DRAWING
DEFENCE CLIDDLY CENTED COLLIMBI

SIZE <b>A</b>		5962-87787
	REVISION LEVEL B	SHEET <b>7</b>

Device types	01 and 02			
Case outlines	С	2		
Terminal number	Terminal	l symbol		
1	+INPUT	NC		
2	NC	+INPUT		
3	-V <sub>S</sub>	NC		
4	NC	-V <sub>S</sub>		
5	NC	NC		
6	NC	NC		
7	NC	NC		
8	OUTPUT	NC		
9	NC	NC		
10	+V <sub>S</sub>	NC		
11	NC	NC		
12	NC	OUTPUT		
13	NC	NC		
14	-INPUT	+V <sub>S</sub>		
15		NC		
16		NC		
17		NC		
18		NC		
19		NC		
20		-INPUT		

NC = No connection

FIGURE 1. Terminal connections.

STANDARD MICROCIRCUIT DRAWING	SIZE <b>A</b>		5962-87787
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43218-3990		REVISION LEVEL B	SHEET 8

- 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. 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 Notification of change. Notification of change to DSCC-VA shall be required for any change that affects this drawing.
- 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.

### 4. VERIFICATION

- 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 method 1015 of MIL-STD-883.
    - (2)  $T_A = +125$ °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.
- 4.3 <u>Quality conformance inspection</u>. 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.
    - b. Subgroups 10 and 11 in table I, method 5005 of MIL-STD-883 shall be omitted.

STANDARD MICROCIRCUIT DRAWING	SIZE <b>A</b>		5962-87787
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43218-3990		REVISION LEVEL B	SHEET 9

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)	
Final electrical test parameters (method 5004)	1*,2,3,4,5,6
Group A test requirements (method 5005)	1,2,3,4,5,6,7**,8**,9
Groups C and D end-point electrical parameters (method 5005)	1

- \* PDA applies to subgroup 1.
- \*\* Subgroups 7 and 8 shall be 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 method 1005 of MIL-STD-883.
  - (2)  $T_A = +125$ °C, minimum.
  - (3) 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.

STANDARD MICROCIRCUIT DRAWING	SIZE <b>A</b>		5962-87787
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43218-3990		REVISION LEVEL B	SHEET 10

### 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 (DSCC) 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 43218-3990, 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

SIZE <b>A</b>		5962-87787
	REVISION LEVEL B	SHEET 11

## STANDARD MICROCIRCUIT DRAWING BULLETIN

DATE: 07-08-13

Approved sources of supply for SMD 5962-87787 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 information bulletin is superseded by the next dated revision of MIL-HDBK-103 and QML-38535. DSCC maintains an online database of all current sources of supply at <a href="http://www.dscc.dla.mil/Programs/Smcr/">http://www.dscc.dla.mil/Programs/Smcr/</a>.

Standard microcircuit drawing PIN 1/	Vendor CAGE number	Vendor similar PIN <u>2</u> /
5962-8778701CA	34371	HA1-2539/883
	<u>3</u> /	EHA1-2539/883B
5962-87787012A	<u>3</u> /	HA4-2539/883
	<u>3</u> /	EHA4-2539/883B
5962-8778702CA	<u>3</u> /	EL2039J/883B
5962-87787022A	<u>3</u> /	EL2039L/883B

- 1/ 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.
- 3/ Not available from an approved source of supply.

Vendor CAGEVendor namenumberand address

34371 Intersil Corporation

1001 Murphy Ranch Road Milpitas, CA 95035-6803

Point of contact: 1650 Robert J. Conlan Blvd

Palm Bay, FL 32905

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