

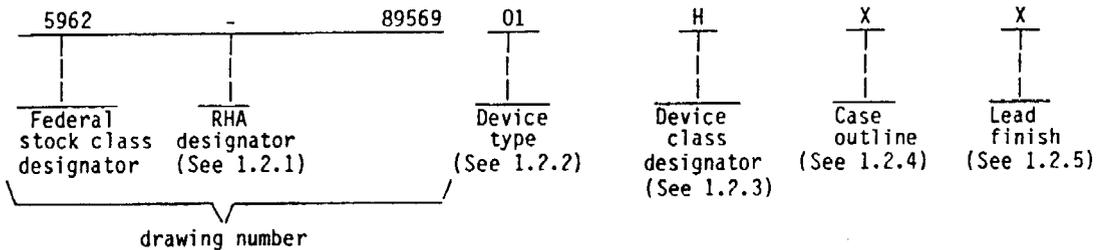
<b>NOTICE OF REVISION (NOR)</b> (See MIL-STD-480 for instructions)		DATE (YYMMDD) 91-11-01	Form Approved OMB No. 0704-0188
This revision described below has been authorized for the document listed.			
Public reporting burden for this collection is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.			
1. ORIGINATOR NAME AND ADDRESS  Defense Electronics Supply Center Dayton, Ohio 45444-5277	2. CAGE CODE 67268	3. NOR NO. 5962-R016-91	
	4. CAGE CODE 67268	5. DOCUMENT NO. 5962-89569	
6. TITLE OF DOCUMENT  MICROCIRCUIT, LINEAR, 16-BIT, HIGH SPEED A/D CONVERTER, HYBRID	7. REVISION LETTER (Current) A		(New) B
	8. ECP NO.		
9. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES  ALL			
10. DESCRIPTION OF REVISION  Sheet 1: Revisions ltr column; add "B" Revisions description column; add "Changes in accordance with NOR 5962-R016-91". Revisions date column; add "91-11-01".  Sheet 7: Table I, Change parameter (DLE) subgroup 4 from -0.5 MIN and +0.5 MAX to -0.9 MIN and +1.0 MAX. Table I, Change parameter (DLE) subgroup 5,6 from -1.0 MIN and +1.0 MAX to -0.9 MIN and +2.0 MAX.			
11. THIS SECTION FOR GOVERNMENT USE ONLY			
a. CHECK ONE <input checked="" type="checkbox"/> EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE. <input type="checkbox"/> REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE. <input type="checkbox"/> CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:			
b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT  DESC-ECT	SIGNATURE AND TITLE  <i>[Signature]</i> Branch Chief	DATE (YYMMDD)  91-11-01	
12. ACTIVITY ACCOMPLISHING REVISION  DESC-ECT	REVISION COMPLETED (Signature)  <i>[Signature]</i>	DATE (YYMMDD)  91-11-01	



1. SCOPE

1.1 Scope. This drawing forms a part of a one part - one part number documentation system (see 6.6 herein). This drawing describes device requirements for hybrid microcircuits to be processed in accordance with MIL-H-38534. Two product assurance classes, military high reliability (device class H) and space application (device class K) and a choice of case outlines and lead finishes are available and are reflected in the Part or Identifying Number (PIN). When available, a choice of radiation hardness assurance levels are reflected in the PIN.

1.2 PIN. The PIN shall be as shown in the following example:



1.2.1 Radiation hardness assurance (RHA) designator. Device classes H and K RHA marked devices shall meet the MIL-H-38534 specified RHA levels and shall be marked with the appropriate RHA designator. A dash (-) indicates a non-RHA device.

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

<u>Device type</u>	<u>Generic number</u>	<u>Circuit function</u>
01	MN5295	16-bit A/D converter

1.2.3 Device class designator. The device class designator shall be a single letter identifying the product assurance level as follows:

<u>Device class</u>	<u>Device requirements documentation</u>
H or K	Certification and qualification to MIL-H-38534

1.2.4 Case outline(s). The case outline(s) shall be as designated in appendix C of MIL-M-38510, and as follows:

<u>Outline letter</u>	<u>Case outline</u>
X	See figure 1 (32-lead, 1.73" x .810" x .172"), dual-in-line package

1.2.5 Lead finish. The lead finish shall be as specified in MIL-H-38534 for classes H and K. Finish letter "X" shall not be marked on the microcircuit or its packaging. The "X" designation is for use in specifications when lead finishes A, B, and C are considered acceptable and interchangeable without preference.

<b>STANDARDIZED MILITARY DRAWING</b> DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OHIO 45444	SIZE <b>A</b>	5962-89569
	REVISION LEVEL A	SHEET 2

1.3 Absolute maximum ratings. 1/

Positive supply voltage ( $V_{CC}$ )	- - - - -	-0.5 V dc to +18 V dc
Negative supply voltage ( $V_{EE}$ )	- - - - -	+0.5 V dc to -18 V dc
Logic supply voltage ( $V_{DD}$ )	- - - - -	0 V dc to +7 V dc
Analog input channels	- - - - -	+22 V dc
Digital input	- - - - -	0 V dc to +5.5 V dc
Power dissipation ( $P_D$ )	- - - - -	1.20 W
Thermal resistance ( $\theta_{JC}$ )	- - - - -	5°C/W
Thermal resistance ( $\theta_{JA}$ )	- - - - -	28°C/W
Lead temperature (soldering, 10 seconds)	- - - - -	300°C
Storage temperature range	- - - - -	-65°C to +150°C
Junction temperature ( $T_J$ )	- - - - -	+175°C

1.4 Recommended operating conditions.

Positive supply voltage range ( $V_{CC}$ )	- - - - -	+14.55 V dc to +15.45 V dc
Negative supply voltage range ( $V_{EE}$ )	- - - - -	-14.55 V dc to -15.45 V dc
Logic supply voltage range ( $V_{DD}$ )	- - - - -	+4.75 V dc to +5.25 V dc
Ambient operating temperature range ( $T_A$ )	- - - - -	-55°C to +125°C

2. APPLICABLE DOCUMENTS

2.1 Government specifications, standards, and handbook. Unless otherwise specified, the following specifications, standards, and handbook of the issue listed in that issue of the Department of Defense Index of Specifications and Standards specified in the solicitation, form a part of this drawing to the extent specified herein.

SPECIFICATIONS

MILITARY

- MIL-M-38510 - Microcircuits, General Specification for.
- MIL-H-38534 - Hybrid Microcircuits, General Specification for.

STANDARDS

MILITARY

- MIL-STD-480 - Configuration Control-Engineering Changes, Deviations and Waivers.
- MIL-STD-883 - Test Methods and Procedures for Microelectronics.

HANDBOOK

MILITARY

- MIL-HDBK-780 - Standardized Military Drawings.

(Copies of the specifications, standards, and handbook required by manufacturers in connection with specific acquisition functions should be obtained from the contracting activity or as directed by the contracting activity.)

2.2 Order of precedence. In the event of a conflict between the text of this drawing and the references cited herein, the text of this drawing shall take precedence.

1/ Stresses above the absolute maximum rating may cause permanent damage to the device. Extended operation at the maximum levels may degrade performance and affect reliability.

<b>STANDARDIZED MILITARY DRAWING</b> DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OHIO 45444	SIZE <b>A</b>	5962-89569
	REVISION LEVEL <b>A</b>	SHEET <b>3</b>

3. REQUIREMENTS

3.1 Item requirements. The individual item requirements shall be in accordance with MIL-H-38534 and as specified herein.

3.2 Design, construction, and physical dimensions. The design, construction, and physical dimensions shall be as specified in MIL-H-38534 and herein.

3.2.1 Case outline(s). The case outline(s) shall be in accordance with 1.2.4 herein and figure 1.

3.2.2 Terminal connections. The terminal connections shall be as specified on figure 2.

3.3 Electrical performance characteristics. 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 Electrical test requirements. 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 Marking. Marking shall be in accordance with MIL-H-38534. 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 QML-38534.

3.6 Manufacturer eligibility. In addition to the general requirements of MIL-H-38534, the manufacturer of the part described herein shall submit for DESC-ECC review and approval electrical test data (variables format) on 22 devices from the initial quality conformance inspection group A lot sample, produced on the certified line, for each device type listed herein. The data should also include a summary of all parameters manually tested, and for those which, if any, are guaranteed.

3.7 Certificate of compliance. A certificate of compliance shall be required from a manufacturer in order to supply to this drawing. The certificate of compliance submitted to DESC-ECC shall affirm that the manufacturer's product meets the requirements of MIL-H-38534 and the requirements herein.

3.8 Certificate of conformance. A certificate of conformance as required in MIL-H-38534 shall be provided with each lot of microcircuits delivered to this drawing.

4. QUALITY ASSURANCE PROVISIONS

4.1 Sampling and inspection. Sampling and inspection procedures shall be in accordance with MIL-H-38534.

4.2 Screening. Screening shall be in accordance with MIL-H-38534. The following additional criteria shall apply:

a. Burn-in test, method 1015 of MIL-STD-883.

(1) Test condition A, B, C, or D using the circuit submitted with the certificate of compliance (see 3.7 herein).

(2)  $T_A$  as specified in accordance with table I of method 1015 of MIL-STD-883.

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.

<b>STANDARDIZED MILITARY DRAWING</b> DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OHIO 45444	SIZE <b>A</b>		5962-89569
		REVISION LEVEL A	SHEET 4

TABLE I. Electrical performance characteristics.

Test	Symbol	Conditions 1/ -55°C < T <sub>A</sub> < +125°C unless otherwise specified	Group A subgroups	Limits		Unit
				Min	Max	
Analog						
Input voltage range	V <sub>I</sub>	Unipolar and bipolar	1, 2, 3	0 0 0 -2.5 -5 -10	+5 +10 +20 +2.5 +5 +10	V
Digital						
Input voltage high	V <sub>IH</sub>	For all digital inputs	1, 2, 3	+2.0		V
Input voltage low	V <sub>IL</sub>	For all digital inputs	1, 2, 3		+0.8	
Input current high	I <sub>IH</sub>	For all digital inputs V <sub>IH</sub> = +2.4 V	1, 2, 3		+40	μA
Input current low	I <sub>IL</sub>	For all digital inputs V <sub>IL</sub> = +0.4 V	1, 2, 3		-1.6	mA
Output voltage high	V <sub>OH</sub>	I <sub>OH</sub> = -320 μA	1, 2, 3	+2.4		V
Output voltage low	V <sub>OL</sub>	I <sub>OL</sub> = +3.2 mA	1, 2, 3		+0.4	
Power supply						
Supply current	I <sub>CC</sub>	V <sub>CC</sub> = +15 V	1, 2, 3		+42	mA
	I <sub>EE</sub>	V <sub>EE</sub> = -15 V	1, 2, 3		-32	
	I <sub>DD</sub>	V <sub>DD</sub> = +5 V	1, 2, 3		+18	
Power consumption	P <sub>D</sub>		1, 2, 3		1200	mW

See footnotes at end of table.

<b>STANDARDIZED MILITARY DRAWING</b> DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OHIO 45444	SIZE <b>A</b>	5962-89569
	REVISION LEVEL	SHEET 5

TABLE I. Electrical performance characteristics - Continued.

Test	Symbol	Conditions, 1/ -55°C < T <sub>A</sub> < +125°C unless otherwise specified	Group A subgroups	Limits		Unit
				Min	Max	
Power supply						
Power supply rejection ratio	PSRR	+14.5 V ≤ V <sub>CC</sub> ≤ +15.5 V	1, 2, 3	-0.02	+0.02	%FS %V <sub>S</sub>
		-15.5 V ≤ V <sub>EE</sub> ≤ -14.5 V	1, 2, 3	-0.02	+0.02	
		+4.75 V ≤ V <sub>DD</sub> ≤ +5.25 V	1, 2, 3	-0.01	+0.01	
Accuracy						
Unipolar 10 V	V <sub>+FS</sub>	MSB                      LSB                      Nominal 1111 1111 1111 1111 to (+9.9991)	4	+9.9841	+10.0141	V
		1111 1111 1111 1110	5, 6	+9.9691	+10.0291	
Bipolar 10 V	V <sub>+FS</sub>	MSB                      LSB                      Nominal 1111 1111 1111 1111 to (+4.9991)	4	+4.9791	+5.0191	
		1111 1111 1111 1110	5, 6	+4.9591	+5.0391	
Bipolar 20 V	V <sub>+FS</sub>	MSB                      LSB                      Nominal 1111 1111 1111 1111 to (+9.9982)	4	+9.9582	+10.0382	
		1111 1111 1111 1110	5, 6	+9.9182	+10.0782	
Unipolar 10 V offset	V <sub>UO</sub>	MSB                      LSB                      Nominal 0000 0000 0000 0000 to (+0.0003)	4	-0.0097	+0.0103	V
		0000 0000 0000 0001	5, 6	-0.0147	+0.0153	
Bipolar 10 V zero	V <sub>BZ1</sub>	MSB                      LSB                      Nominal 0111 1111 1111 1111 to (-0.0003)	4	-0.0123	+0.0117	V
		1000 0000 0000 0000	5, 6	-0.0203	+0.0197	
Bipolar 20 V zero	V <sub>BZ2</sub>	MSB                      LSB                      Nominal 0111 1111 1111 1111 to (-0.0006)	4	-0.0246	+0.0234	
		1000 0000 0000 0000	5, 6	-0.0406	+0.0394	
Bipolar zero drift	$\frac{\Delta V_{BZ}}{\Delta T}$	T <sub>A</sub> = -55°C, +125°C	5, 6	-15	+15	ppmFSR °C
Unipolar offset drift	$\frac{\Delta V_{UO}}{\Delta T}$	T <sub>A</sub> = -55°C, 125°C	5, 6	-15	+15	ppmFSR °C

See footnotes at end of table.

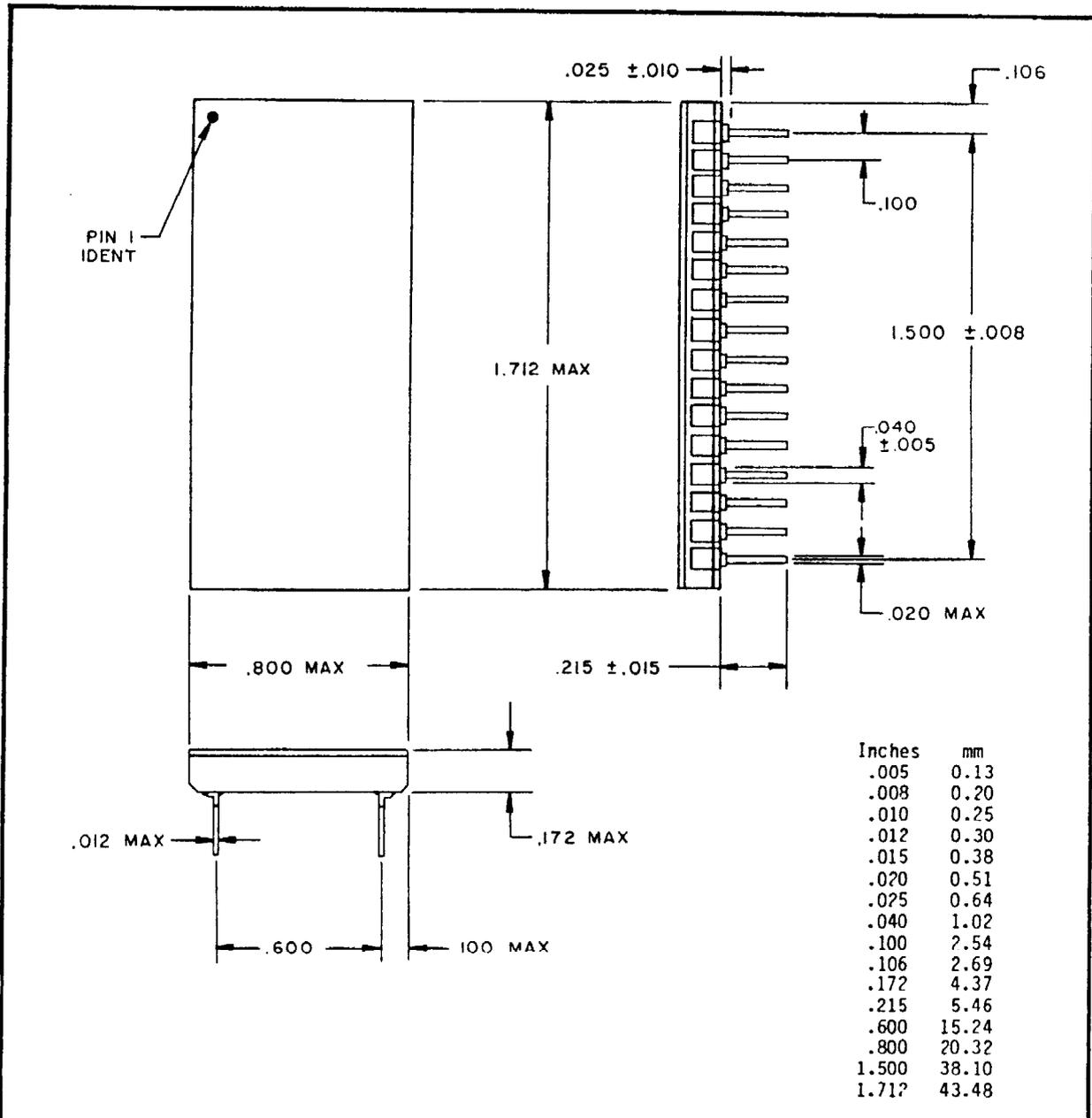
<b>STANDARDIZED MILITARY DRAWING</b> DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OHIO 45444	SIZE <b>A</b>	5962-89569
	REVISION LEVEL <b>A</b>	SHEET <b>6</b>

TABLE 1. Electrical performance characteristics - Continued.

Test	Symbol	Conditions 1/ -55°C < T <sub>A</sub> < +125°C unless otherwise specified	Group A subgroups	Limits		Unit
				Min	Max	
Accuracy						
Gain error	A <sub>e</sub>		4	-0.1	+0.1	%
			5, 6	-0.2	+0.2	
Gain drift	$\frac{\Delta A_e}{\Delta T}$		4, 5, 6	-15	+15	ppm °C
Integral linearity error	LE	14-bit linearity	4	-0.5	+0.5	LSB
			5, 6	-1.0	+1.0	
Differential linearity error	DLE	14-bit linearity	4	-0.5	+0.5	LSB
			5, 6	-0.1	+1.0	
Minimum resolution for no missing codes			4, 5, 6	14		Bits
Reference voltage	V <sub>REF</sub>	T <sub>A</sub> = +25°C	4	+9.990	+10.010	V
Conversion time	t <sub>c</sub>		9, 10, 11		17	μs

1/ V<sub>CC</sub> = +15 V, V<sub>EE</sub> = -15 V, V<sub>DD</sub> = +5.0 V, unless otherwise specified.

<b>STANDARDIZED MILITARY DRAWING</b> DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OHIO 45444	SIZE <b>A</b>	5962-89569
	REVISION LEVEL A	SHEET 7



- NOTES:
1. Dimensions are in inches.
  2. Metric dimensions are given for general information only.
  3. All dimensions  $\pm .005$  inch (0.13 mm), unless otherwise specified.

FIGURE 1. Case outline.

<b>STANDARDIZED MILITARY DRAWING</b> DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OHIO 45444	SIZE <b>A</b>	5962-89569
	REVISION LEVEL A	SHEET 3

Device type	01	Device type	01
Case outline	X	Case outline	X
Terminal number	Terminal symbol	Terminal number	Terminal symbol
1	Status (E.O.C.)	17	Bit 6
2	Clock output	18	Bit 5
3	Bit 13	19	Bit 4
4	Bit 14	20	Bit 3
5	Bit 15	21	Bit 2
6	Bit 16 (LSB)	22	Bit 1 (MSB)
7	Bipolar offset	23	VEE
8	10 V input range	24	Reference output
9	20 V input range	25	Gain adjust
10	Serial output	26	Ground
11	Bit 12	27	VCC
12	Bit 11	28	Summing junction
13	Bit 10	29	VDD
14	Bit 9	30	Start convert
15	Bit 8	31	Ground
16	Bit 7	32	Short cycle

FIGURE 2. Terminal connections.

<b>STANDARDIZED MILITARY DRAWING</b> DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OHIO 45444	SIZE <b>A</b>		5962-89569
		REVISION LEVEL A	SHEET 9

TABLE II. Electrical test requirements.

MIL-STD-883 test requirements	Subgroups (per method 5008, group A test table)
Interim electrical parameters	---
Final electrical test parameters	1*,2,3,4,5,6, 9,10,11
Group A test requirements	1,2,3,4,5,6, 9,10,11
Group C end-point electrical parameters	1, 2, 3
Group E end-point electrical parameters for RHA devices	Subgroups**(per method 5005, group A, table I)

\* PDA applies to subgroup 1.

\*\* When applicable to this standardized military drawing,  
the subgroups shall be defined.

4.3 Qualification conformance inspection. Qualification conformance inspection shall be in accordance with MIL-H-38534 and as specified herein.

4.3.1 Group A inspection. Group A inspection shall be in accordance with MIL-H-38534 and as follows:

- a. Tests shall be as specified in table II herein.
- b. Subgroups 7 and 8 in table X, method 5008 of MIL-STD-883 shall be omitted.

4.3.2 Group B inspection. Group B inspection shall be in accordance with MIL-H-38534.

4.3.3 Group C inspection. Group C inspection shall be in accordance with MIL-H-38534 and as follows:

- 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 using the circuit submitted with the certificate of compliance (see 3.7 herein).
  - (2)  $T_A$  as specified in accordance with table I of method 1005 of MIL-STD-883.
  - (3) Test duration: 1,000 hours, except as permitted by method 1005 of MIL-STD-883.

4.3.4 Group D inspection. Group D inspection shall be in accordance with MIL-H-38534.

<b>STANDARDIZED MILITARY DRAWING</b> DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OHIO 45444	SIZE <b>A</b>	5962-89569
	REVISION LEVEL A	SHEET 10

4.3.5 Group E inspection. Group E inspection is required only for parts intended to be marked as radiation hardness assured (see 3.5 herein). RHA levels for device classes H and K shall be M, D, R, and H. RHA quality conformance inspection sample tests shall be performed at the RHA level specified in the acquisition document.

- a. RHA tests for device classes H and K for levels M, D, R, and H shall be performed through each level to determine at what levels the devices meet the RHA requirements. These RHA tests shall be performed for initial qualification and after design or process changes which may affect the RHA performance of the device.
- b. End-point electrical parameters shall be as specified in table II herein.
- c. Prior to total dose irradiation, each selected sample shall be assembled in its qualified package. It shall pass the specified group A electrical parameters in table I for subgroups specified in table II herein.
- d. For device classes H and K, the devices shall be subjected to radiation hardness assured tests as specified in MIL-H-38534 for RHA level being tested, and meet the postirradiation end-point electrical parameter limits as defined in table I at  $T_A = +25^{\circ}\text{C} \pm 5$  percent, after exposure.
- e. Prior to and during total dose irradiation testing, the devices shall be biased to establish a worst case condition as specified in the radiation exposure circuit.
- f. For device classes H and K, subgroups 1 and 2 in table V, method 5005 of MIL-STD-883 shall be tested as appropriate for device construction.
- g. When specified in the purchase order or contract, a copy of the RHA delta limits shall be supplied.

5. PACKAGING

5.1 Packaging requirements. The requirements for packaging shall be in accordance with MIL-H-38534.

6. NOTES

6.1 Intended use. Microcircuits conforming to this drawing are intended for use for Government microcircuit applications (original equipment), design applications, and logistics purposes.

6.2 Replaceability. Microcircuits covered by this drawing will replace the same generic device covered by a contractor-prepared specification or drawing.

6.3 Configuration control of SMD's. All proposed changes to existing SMD's will be coordinated with the users of record for the individual documents. This coordination will be accomplished in accordance with MIL-STD-481 using DD Form 1693, Engineering Change Proposal (Short Form).

6.4 Record of users. Military and industrial users shall inform Defense Electronics Supply Center when a system application requires configuration control and the applicable SMD. DESC 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 microelectronic devices (FSC 5962) should contact DESC-ECC, telephone (513) 296-8527.

6.5 Comments. Comments on this drawing should be directed to DESC-ECC, Dayton, Ohio 45444, or telephone (513) 296-8525.

<b>STANDARDIZED MILITARY DRAWING</b>  DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OHIO 45444	SIZE <b>A</b>		5962-89569
		REVISION LEVEL <b>A</b>	SHEET <b>11</b>

6.6 One part - one part number system. The one part - one part number system described below has been developed to allow for transitions between identical generic devices covered by the four major microcircuit requirements documents (MIL-M-38510, MIL-H-38534, MIL-I-38535, and 1.2.1 of MIL-STD-883) without the necessity for the generation of unique PIN's. The four military requirements documents represent different class levels, and previously when a device manufacturer upgraded military product from one class level to another, the benefits of the upgraded product were unavailable to the Original Equipment Manufacturer (OEM), that was contractually locked into the original unique PIN. By establishing a one part number system covering all four documents, the OEM can acquire to the highest class level available for a given generic device to meet system needs without modifying the original contract parts selection criteria.

<u>Military document format</u>	<u>Example PIN under new system</u>	<u>Manufacturing source listing</u>	<u>Document listing</u>
New MIL-M-38510 Military Detail Specifications (in the SMD format)	5962-XXXXXZZ(B or S)YY	QPL-38510 (Part 1 or 2)	MIL-BUL-103
New MIL-H-38534 Standardized Military Drawings	5962-XXXXXZZ(H or K)YY	QML-38534	MIL-BUL-103
New MIL-I-38535 Standardized Military Drawings	5962-XXXXXZZ(Q or V)YY	QML-38535	MIL-BUL-103
New 1.2.1 of MIL-STD-883 Standardized Military Drawings	5962-XXXXXZZ(M)YY	MIL-BUL-103	MIL-BUL-103

6.7 Sources of supply for device classes H and K. Sources of supply for device classes H and K are listed in QML-38534. The vendors listed in QML-38534 have submitted a certificate of compliance (see 3.7 herein) to DESC-ECC and have agreed to this drawing.

<b>STANDARDIZED MILITARY DRAWING</b> DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OHIO 45444	SIZE <b>A</b>	5962-89569
	REVISION LEVEL A	SHEET 12

## STANDARDIZED MILITARY DRAWING SOURCE APPROVAL BULLETIN

DATE: 91-04-22

Approved sources of supply for SMD 5962-89569 are listed below for immediate acquisition only and shall be added to QML-38534 during the next revision. QML-38534 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 DESC-ECC. This bulletin is superseded by the next dated revision of QML-38534.

Standardized military drawing PIN	Vendor CAGE number	Vendor similar PIN <u>1/</u>
5962-8956901HXX	50507	MN5295H/B

1/ 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

50507

Vendor name and address

Unitrode Corporation  
Micro Networks Division  
324 Clark Street  
Worcester, MA 01606

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