

<b>NOTICE OF REVISION (NOR)</b>		1. DATE (YYMMDD) 97-04-08	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 2 hours 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 Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES. RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT/ PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THIS FORM.			2. PROCURING ACTIVITY NO.																
			3. DODAAC																
4. ORIGINATOR	b. ADDRESS (Street, City, State, Zip Code) Defense Supply Center Columbus 3990 East Broad Street Columbus, OH 43216-5000	5. CAGE CODE 67268	6. NOR NO. 5962-R253-97																
a. TYPED NAME (First, Middle Initial, Last)		7. CAGE CODE 67268	8. DOCUMENT NO. 5962-86861																
9. TITLE OF DOCUMENT MICROCIRCUIT, LINEAR, PRECISION VOLTAGE REFERENCE, 2.5-VOLT, MONOLITHIC SILICON		10. REVISION LETTER																	
		a. CURRENT C	b. NEW D																
11. ECP NO. 5962-86861ECP-1																			
12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES All																			
13. DESCRIPTION OF REVISION																			
<p>Sheet 1: Revisions ltr column; add "D".  Revisions description column; add "Changes in accordance with NOR 5962-R253-97".  Revisions date column; add "97-04-08".  Revision level block; change from "C" to "D".  Rev status of sheets; for sheet 1, change from "C" to "D"; for sheet. 2 , change from "A" to "D"; for sheet 5, add "D".</p> <p>Sheet 2: 1.2.2. Case outline(s). Delete this paragraph entirely and substitute the following;  "1.2.2 <u>Case outline(s)</u>. The case outline(s) are as designated in MIL-STD-1835 and as follows:</p> <table border="1"> <thead> <tr> <th><u>Outline letter</u></th> <th><u>Descriptive designator</u></th> <th><u>Terminals</u></th> <th><u>Package style</u></th> </tr> </thead> <tbody> <tr> <td>P</td> <td>GDIP1-T8 or CDIP2-T8</td> <td>8</td> <td>Dual-in-line</td> </tr> <tr> <td>X</td> <td>See figure 2</td> <td>3</td> <td>Can</td> </tr> <tr> <td>Y</td> <td>MACY1-X3</td> <td>3</td> <td>Can"</td> </tr> </tbody> </table> <p>1.3 Absolute maximum ratings.  Under power dissipation, add; "Case Y . . . . . 1.0 W"  Under thermal resistance, junction-to-case, add; "Case Y . . . . . 15° C/W"  Under thermal resistance, junction-to-ambient, add; "Case Y . . . . . 120° C/W"  Revision level block; change from "A" to "D".</p> <p>Sheet 5. FIGURE 1. Terminal connections. Add case outline "Y" with pin assignments of pin 1 is "+V<sub>IN</sub>", pin 2 is "V<sub>OUT</sub>", and pin 3 is "-V<sub>IN</sub>".  Revision level block; add "D".</p>				<u>Outline letter</u>	<u>Descriptive designator</u>	<u>Terminals</u>	<u>Package style</u>	P	GDIP1-T8 or CDIP2-T8	8	Dual-in-line	X	See figure 2	3	Can	Y	MACY1-X3	3	Can"
<u>Outline letter</u>	<u>Descriptive designator</u>	<u>Terminals</u>	<u>Package style</u>																
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14. THIS SECTION FOR GOVERNMENT USE ONLY																			
a. (X one)	X	(1) Existing document supplemented by the NOR may be used in manufacture.																	
		(2) Revised document must be received before manufacturer may incorporate this change.																	
		(3) Custodian of master document shall make above revision and furnish revised document.																	
b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT DSCC-VAS		c. TYPED NAME (First, Middle Initial, Last) RAYMOND MONNIN																	
d. TITLE Chief, Microelectronics Team	e. SIGNATURE RAYMOND MONNIN		f. DATE SIGNED (YYMMDD) 97-04-08																
15a. ACTIVITY ACCOMPLISHING REVISION DSCC-VAS	b. REVISION COMPLETED (Signature) RICK OFFICER	c. DATE SIGNED (YYMMDD) 97-04-08																	

<b>NOTICE OF REVISION (NOR)</b>		1. DATE (YYMMDD) 96-10-23	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 2 hours 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 Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES. RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT/PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THIS FORM.		2. PROCURING ACTIVITY NO.	
		3. DODAAC	
4. ORIGINATOR	b. ADDRESS (Street, City, State, Zip Code) Defense Supply Center Columbus 3990 East Broad Street Columbus, OH 43216-5000	5. CAGE CODE 67268	6. NOR NO. 5962-R016-97
a. TYPED NAME (First, Middle Initial, Last)		7. CAGE CODE 67268	8. DOCUMENT NO. <b>5962-86861</b>
9. TITLE OF DOCUMENT MICROCIRCUIT, LINEAR, PRECISION VOLTAGE REFERENCE, 2.5 VOLT, MONOLITHIC SILICON		10. REVISION LETTER	
		a. CURRENT B	b. NEW C
11. ECP NO. 5962-86861ECP-1			
12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES All			
13. DESCRIPTION OF REVISION  Sheet 1: Revisions ltr column; add "C". Revisions description column; add "Changes in accordance with NOR 5962-R016-97". Revisions date column; add "96-10-23". Revision level block; change from "B" to "C". Rev status of sheets; for sheet 1, change from "B" to "C" and for sheet 3, change from "A" to "C".  Sheet 3: 3.5. Marking. Delete the second sentence and substitute the following; "The part shall be marked with the part number listed in 1.2 herein with an optional exception for case X, which may have the "5962-" deleted." Revision level block; change from "A" to "C".			
14. THIS SECTION FOR GOVERNMENT USE ONLY			
a. (X one)	X	(1) Existing document supplemented by the NOR may be used in manufacture.	
		(2) Revised document must be received before manufacturer may incorporate this change.	
		(3) Custodian of master document shall make above revision and furnish revised document.	
b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT DSCC-VAS		c. TYPED NAME (First, Middle Initial, Last) RAYMOND MONNIN	
d. TITLE Chief, Microelectronics Team	e. SIGNATURE RAYMOND MONNIN		f. DATE SIGNED (YYMMDD) 96-10-23
15a. ACTIVITY ACCOMPLISHING REVISION DSCC-VAS	b. REVISION COMPLETED (Signature) RICK OFFICER		c. DATE SIGNED (YYMMDD) 96-10-23

<b>NOTICE OF REVISION (NOR)</b> (See MIL-STD-480 for instructions) This revision described below has been authorized for the document listed.		<b>DATE (YYMMDD)</b>  92-11-20	Form Approved OMB No. 0704-0188
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.			
<b>1. ORIGINATOR NAME AND ADDRESS</b>  Defense Electronics Supply Center Dayton, Ohio 45444-5277		<b>2. CAGE CODE</b>  67268	<b>3. NOR NO.</b>  5962-R271-92
		<b>4. CAGE CODE</b>  67268	<b>5. DOCUMENT NO.</b>  <b>5962-86861</b>
<b>6. TITLE OF DOCUMENT</b>  MICROCIRCUITS, LINEAR, PRECISION VOLTAGE REFERENCE, 2.5-VOLT, MONOLITHIC SILICON		<b>7. REVISION LETTER</b>  (Current) A	(New) B
		<b>8. ECP NO.</b>  5962-86861ECP-1	
<b>9. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES</b>  All			
<b>10. DESCRIPTION OF REVISION</b>  Sheet 1: Revisions ltr column; add "C" Revisions description column; add "Changes in accordance with NOR 5962-R271-92". Revisions date column; add "92-11-20". Revision level block; add "B". Revision status of sheets; For sheet 4, add "B".  Sheet 4: TABLE I, quiescent current test, group A subgroup 1, device types 01 and 02 , under max limits, delete 1.7 mA and substitute 2.0 mA.  TABLE I, output voltage test, under conditions column, delete " $V_O = 2.5 V$ " and add footnote <u>1</u> . Also, under group A subgroups column, delete 2 and 3.  TABLE I, output voltage temperature coefficient test, under conditions column, add footnote <u>1</u> .  TABLE I, add the following description for footnote <u>1</u> ;  " <u>1</u> Measurements of output voltage temperature coefficient is acceptable for output voltage across temperature measurement (subgroups 2 and 3) or visa versa."  Revision level block; add "B".			
<b>11. THIS SECTION FOR GOVERNMENT USE ONLY</b>			
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-ECS		SIGNATURE AND TITLE  MICHAEL A. FRYE  BRANCH CHIEF	DATE (YYMMDD)  92-11-20
<b>12. ACTIVITY ACCOMPLISHING REVISION</b>  DESC-ECS		REVISION COMPLETED (Signature)  Phu Nguyen	DATE (YYMMDD)  92-11-20

REVISIONS

LTR	DESCRIPTION	DATE (YR-MO-DA)	APPROVED
A	Add device type 03. Add one vendor, CAGE 64155. Make changes to table I and throughout.	91-02-14	M. A. Frye

REV																				
SHEET																				
REV																				
SHEET																				

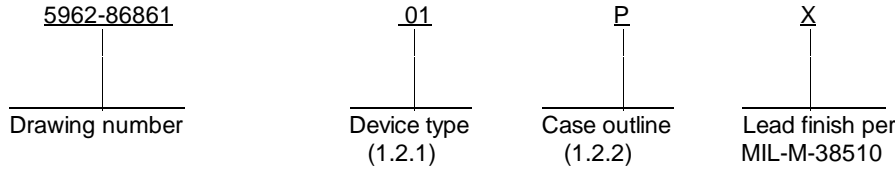
REV STATUS OF SHEETS	REV	A	A	A	A				A	A									
	SHEET	1	2	3	4	5	6	7	8										

PMIC N/A	PREPARED BY Rick C. Officer	<b>DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OHIO 45444</b>																	
<p><b>STANDARDIZED MILITARY DRAWING</b></p> <p>THIS DRAWING IS AVAILABLE FOR USE BY ALL DEPARTMENTS AND AGENCIES OF THE DEPARTMENT OF DEFENSE</p> <p>AMSC N/A</p>	CHECKED BY Charles E. Besore	MICROCIRCUITS, LINEAR, PRECISION VOLTAGE REFERENCE, 2.5-VOLT, MONOLITHIC SILICON																	
	APPROVED BY Michael A. Frye																		
	DRAWING APPROVAL DATE 87-11-17	SIZE <b>A</b>	CAGE CODE <b>67268</b>	<b>5962-86861</b>															
	REVISION LEVEL <b>A</b>	SHEET 1 OF 8																	

1. SCOPE

1.1 Scope. This drawing describes device requirements for class B microcircuits in accordance with 1.2.1 of MIL-STD-883, "Provisions for the use of MIL-STD-883 in conjunction with compliant non-JAN devices".

1.2 Part or Identifying Number (PIN). The complete PIN shall be as shown in the following example:



1.2.1 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	580S, 1503	Precision 2.5 V reference (1%)
02	580T, 1503A	Precision 2.5 V reference (.4%)
03	580U	Precision 2.5 V reference (.4%)

1.2.2 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>
P	D-4 (8-lead, .405" x .310" x .200"), dual-in-line package
X	See figure 2, TO-52 (3-lead, .230" x .150"), can package

1.3 Absolute maximum ratings.

Supply voltage ( $V_{CC}$ )	40 V dc
Storage temperature range	-65° C to +150° C
Maximum power dissipation ( $P_D$ ):	
Case P	600 mW <sup>1/</sup>
Case X	350 mW
Lead temperature (soldering, 10 seconds)	+300° C
Thermal resistance, junction-to-case ( $\Theta_{JC}$ ):	
Case P	See MIL-M-38510, appendix C
Case X	30° C/W
Thermal resistance, junction-to-ambient ( $\Theta_{JA}$ ):	
Case X	150° C/W
Junction temperature ( $T_J$ )	+175° C

1.4 Recommended operating conditions.

Supply voltage ( $V_{CC}$ )	+4.5 V dc to +30 V dc
Ambient operating temperature range ( $T_A$ )	-55° C to +125° C

<sup>1/</sup> Derate case P at 4.8 mW/° C above +25° C.

<b>STANDARDIZED MILITARY DRAWING</b> DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OHIO 45444	SIZE <b>A</b>	5962-86861
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## 2. APPLICABLE DOCUMENTS

2.1 Government specification and standard. Unless otherwise specified, the following specification, standard, and bulletin 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.

### SPECIFICATION

#### MILITARY

MIL-M-38510 - Microcircuits, General Specification for.

### STANDARD

#### MILITARY

MIL-STD-883 - Test Methods and Procedures for Microelectronics.

### BULLETIN

#### MILITARY

MIL-BUL-103 - List of Standardized Military Drawings (SMD's).

(Copies of the specification, standard, and bulletin 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.

## 3. REQUIREMENTS

3.1 Item requirements. The individual item requirements shall be in accordance with 1.2.1 of MIL-STD-883, "Provisions for the use of MIL-STD-883 in conjunction with compliant non-JAN devices" and as specified herein.

3.2 Design, construction, and physical dimensions. The design, construction, and physical dimensions shall be as specified in MIL-M-38510 and herein.

3.2.1 Terminal connections. The terminal connections shall be as specified on figure 1.

3.2.2 Case outline(s). The case outline(s) shall be in accordance with 1.2.2 herein.

3.3 Electrical performance characteristics. Unless otherwise specified, 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-STD-883 (see 3.1 herein). The part shall be marked with the part number listed in 1.2 herein. In addition, the manufacturer's part number may also be marked as listed in MIL-BUL-103 (see 6.6 herein).

<b>STANDARDIZED MILITARY DRAWING</b> DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OHIO 45444	SIZE <b>A</b>		<b>5962-86861</b>
		REVISION LEVEL <b>A</b>	SHEET <b>3</b>

TABLE I. Electrical performance characteristics.

Test	Symbol	Conditions -55° C ≤ T <sub>A</sub> ≤ +125° C V <sub>CC</sub> = +15 V, I <sub>L</sub> = 0 mA (unless otherwise specified)	Group A subgroups	Device type	Limits		Unit
					Min	Max	
Quiescent current	I <sub>CC</sub>		1	01, 02		1.7	mA
				03		1.5	
			2, 3	All		2.0	
Output voltage	V <sub>OUT</sub>	V <sub>O</sub> = 2.5 V T <sub>A</sub> = +25° C	1, 2, 3	All	2.475	2.525	V
			12	02, 03	2.49	2.51	
Line regulation	VR <sub>LINE1</sub>	V <sub>CC</sub> = 7 V to 30 V T <sub>A</sub> = +25° C	1	01, 02		±6	mV
				03		±2	
	VR <sub>LINE2</sub>	V <sub>CC</sub> = 4.5 V to 7 V T <sub>A</sub> = +25° C		01, 02		±3	
				03		±1	
Load regulation	VR <sub>LOAD</sub>	I <sub>L</sub> = 0 mA to 10 mA T <sub>A</sub> = +25° C	1	All		±10	mV
Output voltage temperature coefficient	TCV <sub>OUT</sub>		2, 3	01		±25	mV
				02		±11	
				03		±4.5	

3.6 Certificate of compliance. A certificate of compliance shall be required from a manufacturer in order to be listed as an approved source of supply in MIL-BUL-103 (see 6.6 herein). The certificate of compliance submitted to DESC-ECS prior to listing as an approved source of supply shall affirm that the manufacturer's product meets the requirements of MIL-STD-883 (see 3.1 herein) and the requirements herein.

3.7 Certificate of conformance. A certificate of conformance as required in MIL-STD-883 (see 3.1 herein) shall be provided with each lot of microcircuits delivered to this drawing.

3.8 Notification of change. Notification of change to DESC-ECS shall be required in accordance with MIL-STD-883 (see 3.1 herein).

3.9 Verification and review. DESC, DESC'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.

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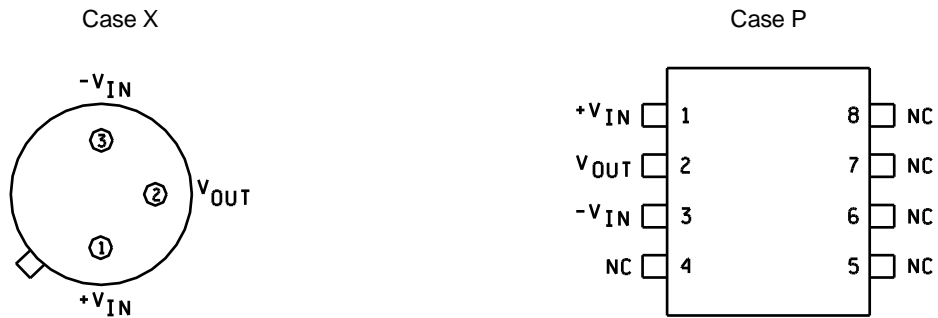
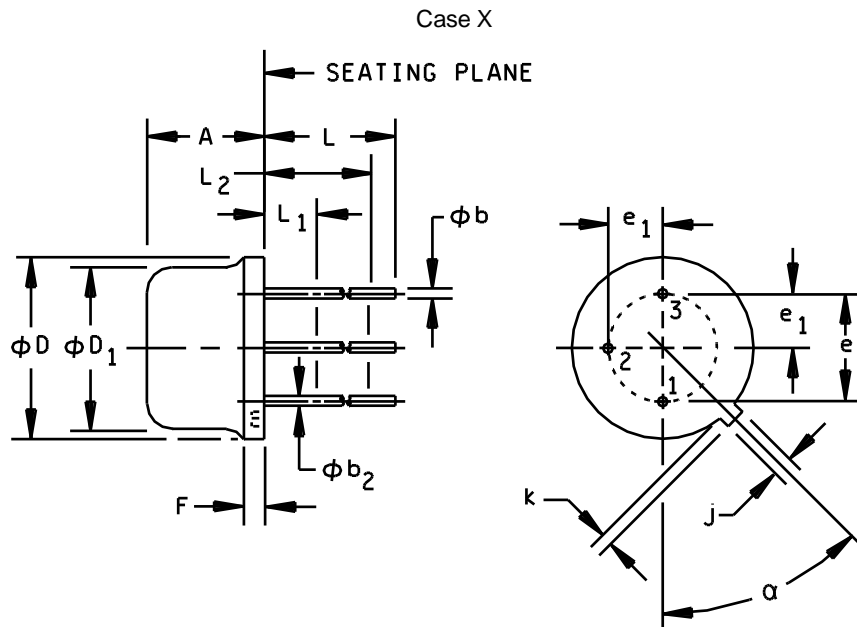


FIGURE 1. Terminal connections.



NOTES:

1. (Three leads)  $\phi b_2$  applies between  $L_1$  and  $L_2$ .  $\phi b$  applies between  $L_2$  and 0.5 inch (12.70 mm) from seating plane. Diameter is uncontrolled in  $L_1$  and beyond 0.5 inch (12.70 mm) from seating plane.
2. Leads having maximum diameter 0.019 inch (0.48 mm) measured in gauging plane 0.054 inch (1.4 mm)  $+0.001$  inch (0.03 mm)  $-0.000$  inch (0.00 mm) below the seating plane of the device are within 0.007 inch (0.18 mm) of their true positions relative to a maximum-width tab.
3. Measured from maximum diameter of the actual device.
4. All leads - increase maximum limit by 0.003 inch (0.08 mm) when hot solder dip finish is applied.

FIGURE 2. Case outline.

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Case X

Symbol	Inches		Millimeters		Notes
	Min	Max	Min	Max	
A	0.115	0.150	2.92	3.81	
$\phi b$		0.021		0.53	1, 4
$\phi b_2$	0.016	0.019	0.41	0.48	1, 4
$\phi D$	0.209	0.230	5.31	5.84	
$\phi D_1$	0.178	0.195	4.52	4.95	
e	0.100 T.P.		2.54 T.P.		2
$e_1$	0.050 T.P.		1.27 T.P.		2
F		0.030		0.76	
j	0.036	0.046	0.91	1.17	
k	0.028	0.048	0.71	1.22	3
L	0.500		12.70		1
$L_1$		0.050		1.27	1
$L_2$	0.250		6.35		
$\alpha$	45° T.P.				

FIGURE 2. Case outline - Continued.

<b>STANDARDIZED MILITARY DRAWING</b> DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OHIO 45444	SIZE <b>A</b>		<b>5962-86861</b>
		REVISION LEVEL	SHEET <b>6</b>

TABLE II. Electrical test requirements.

MIL-STD-883 test requirements	Subgroups (per method 5005, table I)
Interim electrical parameters	1
Final electrical test parameters	1*, 2, 3, 12
Group A test requirements	1, 2, 3, 12
Groups C and D end-point electrical parameters	1

\* PDA applies to subgroup 1.

#### 4. QUALITY ASSURANCE PROVISIONS

4.1 Sampling and inspection. Sampling and inspection procedures shall be in accordance with section 4 of MIL-M-38510 to the extent specified in MIL-STD-883 (see 3.1 herein).

4.2 Screening. 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 using the circuit submitted with the certificate of compliance (see 3.6 herein).
  - (2)  $T_A = +125^\circ\text{C}$ , 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.
- c. Optional subgroup 12 is used for grading and part selection at  $T_A = +25^\circ\text{C}$ . It is not included in PDA.

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.
- b. Subgroups 4, 5, 6, 7, 8, 9, 10, and 11 in table I, method 5005 of MIL-STD-883 shall be omitted.
- c. Optional subgroup 12 is used for grading and part selection at  $T_A = +25^\circ\text{C}$ .

<b>STANDARDIZED MILITARY DRAWING</b> DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OHIO 45444	SIZE <b>A</b>		<b>5962-86861</b>
		REVISION LEVEL <b>A</b>	SHEET <b>7</b>

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 using the circuit submitted with the certificate of compliance (see 3.6 herein).
  - (2)  $T_A = +125^\circ\text{C}$ , 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-M-38510.

6. NOTES

6.1 Intended use. Microcircuits conforming to this drawing are intended for use when military specifications do not exist and qualified military devices that will perform the required function are not available for OEM application. When a military specification exists and the product covered by this drawing has been qualified for listing on QPL-38510, the device specified herein will be inactivated and will not be used for new design. The QPL-38510 product shall be the preferred item for all applications.

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-ECS, telephone (513) 296-6022.

6.5 Comments. Comments on this drawing should be directed to DESC-ECS, Dayton, Ohio 45444, or telephone (513) 296-5375.

6.6 Approved source of supply. An approved source of supply is listed in MIL-BUL-103. The vendors listed in MIL-BUL-103 have agreed to this drawing and a certificate of compliance (see 3.6 herein) has been submitted to and accepted by DESC-ECS.

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		REVISION LEVEL <b>A</b>	SHEET <b>8</b>

STANDARDIZED MILITARY DRAWING SOURCE APPROVAL BULLETIN

DATE: 91-02-14

Approved sources of supply for SMD 5962-86861 are listed below for immediate acquisition only and shall be added to MIL-BUL-103 during the next revision. MIL-BUL-103 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-ECS. This bulletin is superseded by the next dated revision of MIL-BUL-103.

Standardized military drawing PIN	Vendor CAGE number	Vendor similar PIN <sup>1/</sup>
5962-8686101PX	34333	SG1503Y/883B
5962-8686101XX	24355	AD580SH/883B
	34333	SG1503T/883B
	64155	LT580SH/883
5962-8686102PX	34333	SG1503AY/883B
5962-8686102XX	24355	AD580TH/883B
	64155	LT580TH/883
5962-8686101XX	24355	AD580UH/883B
	64155	LT580UH/883

<sup>1/</sup> 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

Vendor name and address

24355

Analog Devices  
Route 1 Industrial Park  
P.O. Box 9106  
Norwood, MA 02062  
Point of contact: 804 Woburn Street  
Wilmington, MA 01887

34333

Silicon General, Incorporated  
11861 Western Ave  
Garden Grove, CA 92641

64155

Linear Technology Corporation  
1630 McCarthy Boulevard  
Milpitas, CA 95035-7487

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