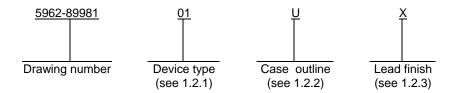
								F	REVISI	ONS										
LTR						DESC	RIPTIOI	N					DA	DATE (YR-MO-DA) APPROVED						
А	Change input to output voltage differential in 1.3, 1.4, $V_{REF}$ $\Delta I_{ADJ}$ conditions. Change $I_{LIM}$ test limits for conditions ( $V_{I}$ from 0.05 A to 0.075 A. Add case outline Y (TO-39).				V <sub>REF</sub> , ns (V <sub>IN</sub>	V <sub>RLINE</sub> – V <sub>OU</sub>	E, I <sub>ADJ</sub> , T) = 2.5	, and 5 V	92-08-19 M. A. FRYE											
В	Chan	iges in	accord	lance v	vith NO	R 5962	2-R034-	-94.					92-12-23				M. A. FRYE			
С	Add	case ou	ıtline Z	. Tech	nical a	nd edit	orial ch	anges	througl	hout.				94-0	08-09			M. A. FRYE		
D	Chan	iges in	accord	lance v	vith NO	R 5962	2-R044	-99.						99-0	)3-24		R. MONNIN			
E	Add	case ou	ıtlines	M and	T rc	)								02-0	)2-21			R. MONNIN		
F	Remo	ove ma	x limits	s for the	e curre	nt limit	test, I <sub>LI</sub>	<sub>M</sub> , in ta	able I.	-rrp				07-0	07-23		ROBERT M. HEBER			
THE ORIGINA REV SHEET REV SHEET REV STATUS OF SHEETS PMIC N/A		SHEE	T OF I	RE\ SHE	/	DBY	F 1	F 2	ACED.	F 4	F 5	F 6	F 7	F 8	F 9	F 10	F 11	F 12	F 13	F 14
MICRO	STANDARD MICROCIRCUIT DRAWING  THIS DRAWING IS AVAILABLE FOR USE BY ALL DEPARTMENTS			CHECKED BY CHARLES E. BESORE  APPROVED BY MICHAEL A. FRYE				DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43218-3990 http://www.dscc.dla.mil												
FOR L DEPA								MICROCIRCUIT, LINEAR, POSITIVE REGULATOR, ADJUSTABLE, MONOLITHIC SILICON												
AND AGE DEPARTME				DRA	WING	APPR( 90-07-	OVAL D -24	DATE												
AM	ISC N/A			REV	ISION		F				ZE A		GE CC				5962-	-8998	31	
										SHE					1 4 4					
													1	OF	14					

## 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(s)</u>. The device type(s) identify the circuit function as follows:

Device type	Generic number	<u>Circuit function</u>
01	LT1086 / OM1860	Positive regulator, adjustable

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

Outline letter	Descriptive designator	<u>Terminals</u>	Package style
М	See figure 1	3	Flange mount, glass sealed with gull wing leads
T	CBCC1-N3	3	Bottom terminal chip carrier
U	See figure 1	3	TO-257 Single row flange mount with isolated tab and glass sealed
Χ	See figure 1	2	TO-3 Flange mount
Υ	See figure 1	3	TO-39 Can
Z	See figure 1	3	Z-tab

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

Input to output voltage differential	25 V dc
Output current (I <sub>MAX</sub> ):	
Cases M, T, X, U, and Z	1.0 A
Case Y	0.5 A
Power dissipation (P <sub>D</sub> )	Internally limited
Junction temperature (T <sub>J</sub> )	+150°C
Storage temperature range	-65°C to +150°C
Lead temperature (soldering, 10 seconds)	
Thermal resistance, junction-to-case ( $\theta_{JC}$ ):	
Case M	
Case T	4.1°C/W
Case X	3.0°C/W
Cases U and Z	
Case Y	40°C/W

STANDARD MICROCIRCUIT DRAWING	SIZE <b>A</b>		5962-89981
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43218-3990		REVISION LEVEL F	SHEET 2

1.3 Absolute maximum ratings - Continued.

Thermal resistance, junction-to-ambient ( $\theta_{JA}$ ):

Case M	60°C/W
Case T	80°C/W
Case X	35°C/W
Cases U and Z	42°C/W
Case Y	140°C/W

1.4 Recommended operating conditions.

## 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/quicksearch/</a> or <a href="http://assist.daps.dla.mil/quicksearch/">http:

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 Case outline. The case outline shall be in accordance with 1.2.2 herein and figure 1.
  - 3.2.2 <u>Terminal connections</u>. The terminal connections shall be as specified on figure 2.

STANDARD MICROCIRCUIT DRAWING	SIZE <b>A</b>		5962-89981
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43218-3990		REVISION LEVEL F	SHEET 3

TABLE I. Electrical performance characteristics.

Test	Symbol	Conditions $\underline{1}/$ -55°C $\leq$ T <sub>A</sub> $\leq$ +125°C unless otherwise specified	Group A subgroups	Device type	Lim	Unit	
					Min	Max	
Reference voltage	V <sub>REF</sub>	I <sub>OUT</sub> = 10 mA,	1	01	1.238	1.262	V
		$(V_{IN} - V_{OUT}) = 3.0 V$					
		$1.5 \text{ V} \le (\text{V}_{\text{IN}} - \text{V}_{\text{OUT}}) \le 15 \text{ V}, \ \underline{2}/$	1,2,3		1.225	1.270	
		$10 \text{ mA} \leq I_{OUT} \leq I_{MAX}$					
		$1.5 \text{ V} \le (\text{V}_{\text{IN}} - \text{V}_{\text{OUT}}) \le 15 \text{ V}, \ \underline{3}/$			1.220	1.270	
		$10 \text{ mA} \le I_{OUT} \le I_{MAX}$					
Line regulation 4/	V <sub>RLINE</sub>	$1.5 \text{ V} \le (V_{IN} - V_{OUT}) \le 15 \text{ V},$	1,2,3	01		0.2	%
		I <sub>OUT</sub> = 10 mA					
Load regulation 4/	V <sub>RLOAD</sub>	$(V_{IN} - V_{OUT}) = 3.0 \text{ V}, \ \underline{2}/$	1	01		0.3	%
		$10 \text{ mA} \leq I_{OUT} \leq I_{MAX}$	2,3	-		0.4	
		$(V_{IN} - V_{OUT}) = 3.0 \text{ V}, \ \underline{3}/$	1	•		0.8	•
		$10 \text{ mA} \leq I_{OUT} \leq I_{MAX}$	2,3	-		1.0	-
Dropout voltage	V <sub>DO</sub>	I <sub>OUT</sub> = I <sub>MAX</sub> , ΔV <sub>REF</sub> = 1.0 %	1,2,3	01		1.5	V
Thermal regulation		30 ms pulse, T <sub>A</sub> = +25°C	1	01		0.04	%/W
Ripple rejection	ΔV <sub>IN</sub> /	$C_{ADJ} = 25 \mu F$ , $f = 120 Hz$ ,	4,5,6	01	60		dB
	ΔVουτ	$C_{OUT} = 25 \mu F$ (tantalum),					
		I <sub>OUT</sub> = I <sub>MAX</sub> ,					
		$(V_{IN} - V_{OUT}) = 3.0 \text{ V}$					
Adjust pin current	I <sub>ADJ</sub>	$1.5 \text{ V} \le (V_{IN} - V_{OUT}) \le 15 \text{ V},$	1,2,3	01		120	μА
		$10 \text{ mA} \le I_{OUT} \le I_{MAX}$					
Adjust pin current change	Δl <sub>AD</sub> J	10 mA $\leq$ I <sub>OUT</sub> $\leq$ I <sub>MAX</sub> ,	1,2,3	01		5.0	μА
S. Milgo		$1.5 \text{ V} \le (\text{V}_{\text{IN}} - \text{V}_{\text{OUT}}) \le 15 \text{ V}$					

See footnotes at end of table.

STANDARD
MICROCIRCUIT DRAWING
DEFENDE CUIDDLY OFNITED COLUMNI

DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43218-3990

SIZE <b>A</b>		5962-89981
	REVISION LEVEL F	SHEET 4

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

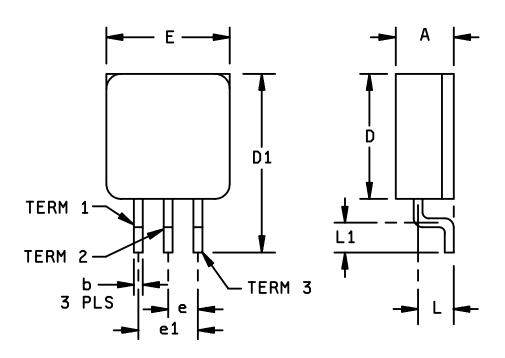
Test	Symbol	Conditions $\underline{1}/$ -55°C $\leq$ T <sub>A</sub> $\leq$ +125°C unless otherwise specified	Group A subgroups	Device type	Lim	iits	Unit
					Min	Max	
Minimum load current	I <sub>MIN</sub>	$(V_{IN} - V_{OUT}) = 25 V$	1,2,3	01		10	mA
Current limit	I <sub>LIM</sub>	(V <sub>IN</sub> – V <sub>OUT</sub> ) = 5.0 V, case X only	1,2,3	01	1.5		A
		$(V_{IN} - V_{OUT}) = 5.0 \text{ V } \underline{3}/$			1.5		
		(V <sub>IN</sub> – V <sub>OUT</sub> ) = 5.0 V, case Y only			0.5		
		(V <sub>IN</sub> – V <sub>OUT</sub> ) = 25 V, case X only			0.05		
		$(V_{IN} - V_{OUT}) = 25 \text{ V } 3/$			0.075		
		(V <sub>IN</sub> – V <sub>OUT</sub> ) = 25 V, case Y only			0.02		
Temperature stability <u>5</u> /	ΔV <sub>OUT</sub> / ΔT	-55°C ≤ T <sub>J</sub> ≤ +125°C	1,2,3	01		1.5	%
Long term stability 5/	ΔV <sub>OUT</sub> / Δt	T <sub>A</sub> = +125°C, t = 1000 hrs.	2	01		1.0	%

- $\underline{1}$ / For case outlines, M, T, X, U, and Z,  $I_{MAX} = 1.0$  A. For case outline Y,  $I_{MAX} = 0.5$  A.
- 2/ Applies to cases X and Y.
- $\underline{3}/$  Applies to cases M, T, U, and Z.
- 4/ Line and load regulation are measured at a constant junction temperature using a low duty cycle pulse technique. Although power dissipation is internally limited, regulation is guaranteed up to the maximum power dissipation of 15 W. Power dissipation is determined by the input/output differential voltage and the output current. Guaranteed maximum power dissipation will not be available over the full input/output voltage range.
- 5/ If not tested, shall be guaranteed to the limits specified in table I.

STANDARD
MICROCIRCUIT DRAWING
DEFENSE SUPPLY CENTER COLUMBU

<b>DEFENSE SUPPLY CENTER COLUMBUS</b>
COLUMBUS, OHIO 43218-3990

SIZE <b>A</b>		5962-89981
	REVISION LEVEL F	SHEET 5



Symbol	Inches		Millim	neters
	Min	Max	Min	Max
Α	.190	.210	4.83	5.33
b		.030		0.76
D	.410	.430	10.41	10.92
D1	.580	.610	14.73	15.49
е		.100		2.54
e1		.200		5.08
Е	.410	.420	10.41	10.67
L1	.090	.110	2.29	2.79
Ĺ	.115	.125	2.92	3.18
N		3	3	3

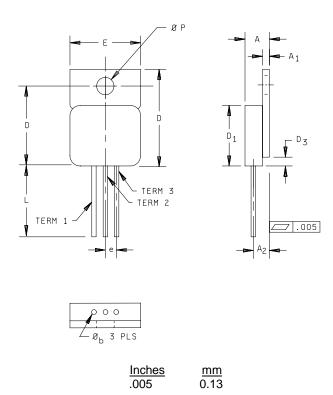
## NOTE:

The U.S. government preferred system of measurement is the metric SI system. However, since this item was originally designed using inch-pound units of measurement, in the event of conflict between the metric and inch-pound units, the inch-pound units shall take precedence.

FIGURE 1. Case outline.

STANDARD MICROCIRCUIT DRAWING	SIZE <b>A</b>		5962-89981
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43218-3990		REVISION LEVEL F	SHEET 6

# Case outline U



Letter	Inches		Millim	eters
	Min	Max	Min	Max
Α	.190	.200	4.83	5.08
A <sub>1</sub>	.035	.045	0.89	1.14
A <sub>2</sub>	.120	BSC	3.05	BSC
φb	.025	.035	0.64	0.89
D	.645	.665	16.38	16.89
D <sub>1</sub>	.410	.430	10.41	10.92
D <sub>3</sub>		.065		1.65
е	.100 BSC		2.54 BSC	
E	.410	.422	10.41	10.72
Ĺ	.500	.750	12.70	19.05
0	.527	.537	13.39	13.64
φP	.140	.150	3.56	3.81

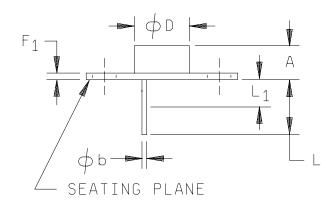
# NOTE:

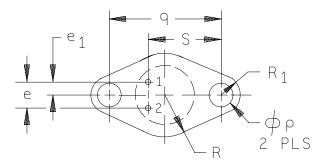
The U.S. government preferred system of measurement is the metric SI system. However, since this item was originally designed using inch-pound units of measurement, in the event of conflict between the metric and inch-pound units, the inch-pound units shall take precedence.

FIGURE 1. Case outline - Continued.

STANDARD MICROCIRCUIT DRAWING	SIZE <b>A</b>		5962-89981
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43218-3990		REVISION LEVEL F	SHEET <b>7</b>

# Case outline X





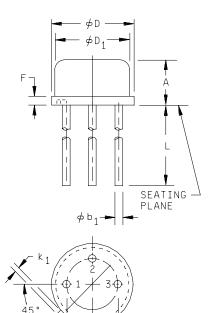
Letter	Inches		Millim	eters
	Min	Max	Min	Max
Α	.250	.450	6.35	11.43
φb	.038	.043	.97	1.09
φD		.875		22.23
е	.420	.440	10.67	11.18
e <sub>1</sub>	.205	.225	5.21	5.72
F <sub>1</sub>	.060	.135	1.52	2.43
L	.312	.500	7.92	12.70
L <sub>1</sub>		.050		1.27
фр	.151	.161	3.84	4.09
q	1.177	1.197	29.90	30.40
R	.495	.525	12.57	13.34
R <sub>1</sub>	.131	.188	3.33	4.78
S	.655	.675	16.64	17.15

NOTE: The US government preferred system of measurement is the metric SI system. However, since this item was originally designed using inch-pound units of measurement, in the event of conflict between the metric and inch-pound units, the inch-pound units shall take precedence.

FIGURE 1. Case outline - Continued.

STANDARD MICROCIRCUIT DRAWING	SIZE <b>A</b>		5962-89981
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43218-3990		REVISION LEVEL F	SHEET 8

### Case outline Y

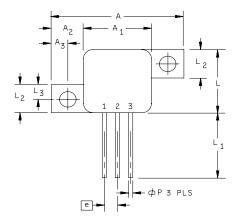


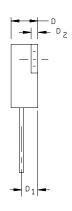
Letter	Inches		Millim	eters
	Min	Max	Min	Max
Α	.165	.185	6.35	11.43
φb1	.016	.019	0.97	1.09
φD	.340	.370	8.64	22.23
φD1	.305	.335	4.10	1.09
е	.200 typ	.200 typ NOTE 2		NOTE 2
e1	.100 typ	NOTE 2	2.54 typ	NOTE 2
k	.028	.038	0.71	0.97
k1	.026	.045	0.66	1.27
L	.500		12.70	

- NOTES: 1. The US government preferred system of measurement is the metric SI system. However, since this item was originally designed using inch-pound units of measurement, in the event of conflict between the metric and inch-pound units, the inch-pound units shall take precedence.
  - 2. Leads having a maximum diameter of .019 inch (0.48 mm) measured in gauging plane .054 inch  $\pm$  .001 inch (1.37 mm  $\pm$  0.03 mm) below the base plane of the product shall be within .007 inch (0.18 mm) of their true position relative to the maximum width tab.

FIGURE 1. Case outline - Continued.

STANDARD MICROCIRCUIT DRAWING	SIZE <b>A</b>		5962-89981
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43218-3990		REVISION LEVEL F	SHEET 9



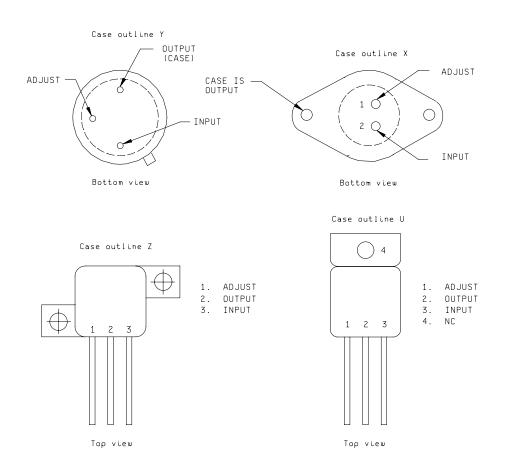


Letter	Inches		Millim	eters
	Min	Max	Min	Max
Α	.910	.920	23.11	23.37
A <sub>1</sub>	.410	.420	10.41	10.67
A <sub>2</sub>	.245	.255	6.22	6.48
A <sub>3</sub>	.120	.130	3.05	3.30
φb	.120	.130	3.05	3.30
D	.135	.220	4.70	5.59
D <sub>1</sub>	.115	.125	2.92	3.18
D <sub>2</sub>	.035	.045	0.89	1.14
е	.100 BSC		2.54	BSC
L	.410	.420	10.41	10.67
L <sub>1</sub>	.500	.750	12.70	19.05
L2	.245	.255	6.22	6.48
L3	.120	.130	3.05	3.30
фр	.028	.032	0.71	0.81

NOTES: The US government preferred system of measurement is the metric SI system. However, since this item was originally designed using inch-pound units of measurement, in the event of conflict between the metric and inch-pound units, the inch-pound units shall take precedence.

FIGURE 1. Case outline - Continued.

STANDARD MICROCIRCUIT DRAWING	SIZE <b>A</b>		5962-89981
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43218-3990		REVISION LEVEL F	SHEET 10



Device type	01	
Case outlines	M T	
Terminal number	Terminal symbol	
1	ADJUST	ADJUST
2	OUTPUT	INPUT
3	INPUT	OUTPUT

FIGURE 2. Terminal connections.

STANDARD MICROCIRCUIT DRAWING	SIZE <b>A</b>		5962-89981
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43218-3990		REVISION LEVEL F	SHEET 11

- 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. 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)  $T_A = +125^{\circ}C$ , 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.
- 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 7, 8A, 8B, 9, 10, and 11 in table I, method 5005 of MIL-STD-883 shall be omitted.

STANDARD MICROCIRCUIT DRAWING DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43218-3990	SIZE <b>A</b>		5962-89981
		REVISION LEVEL F	SHEET <b>12</b>

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

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

### 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)  $T_A = +125^{\circ}C$ , 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.
- 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.

STANDARD MICROCIRCUIT DRAWING DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43218-3990	SIZE <b>A</b>		5962-89981
		REVISION LEVEL F	SHEET 13

6.4 <u>Record of users</u> . Military and industrial users shall infor application requires configuration control and the applicable Sused for coordination and distribution of changes to the drawir 5962) should contact DSCC-VA, telephone (614) 692-0544.	MD. DSCC will ma	aintain a record of users and	d this list will be
6.5 <u>Comments</u> . Comments on this drawing should be direct (614) 692-0547	ted to DSCC-VA, 0	Columbus, Ohio 43218-399	0, or telephone
6.6 <u>Approved sources of supply</u> . Approved sources of supply HDBK-103 have agreed to this drawing and a certificate of cor DSCC-VA.			
STANDARD MICROCIRCUIT DRAWING	SIZE <b>A</b>		5962-89981
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43218-3990		REVISION LEVEL F	SHEET 14

### STANDARD MICROCIRCUIT DRAWING BULLETIN

DATE: 07-07-23

Approved sources of supply for SMD 5962-89981 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>.

Vendor CAGE number	Vendor similar PIN <u>2</u> /
69210	OM1860SRM
69210	OM1860N5M
21845	SDP1086UMD
<u>3</u> /	FM186S7
69210	OM1860STM
21845	SDP1086XMD
69210	OM1860NKM
<u>3</u> /	LT1086MK/883
21845	SDP1086YMD
69210	OM1860NHM
<u>3</u> /	LT1086MH/883
21845	SDP1086ZMD
69210	OM1860STZM
	CAGE number  69210  69210  21845  3/  69210  21845  69210  3/  21845  69210  3/  21845

- 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.
- <u>Z</u>/ <u>Caution</u>. 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.

## STANDARD MICROCIRCUIT DRAWING BULLETIN - CONTINUED

Vendor CAGE<br/>numberVendor name<br/>and address21845Solitron Devices Incorporated<br/>3301 Electronics Way<br/>West Palm Beach, FL 33407-469769210International Rectifier<br/>205 Crawford Street<br/>Leominster, MA 01453-2353

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