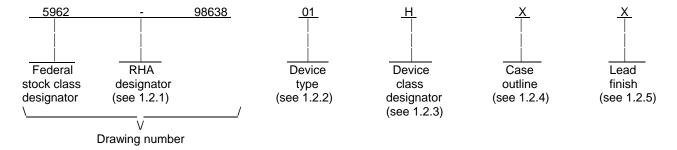
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SHEET REV SHEET REV STATU		RE			A	A	A	A	A	A	A	A	A	A 10	A 11	A 12	A 12	A 14
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SHEET REV SHEET REV STATU OF SHEETS PMIC N/A STA		SH PRE St	EET EPARE eve L.	Dunca	1 an				5	6 EFEN	7 SE S POS	8 UPPL ST OF	9 Y CE FICE , OHI	10	11 R COL 3990 218-3	12 -UMB 990	13	
SHEET REV SHEET REV STATU OF SHEETS PMIC N/A STA MICRO DR THIS D AV/ FOR U DEPA	ANDARD OCIRCUIT AWING ORAWING IS AILABLE JSE BY ALL JRTMENTS	SH PRE St CHE M	EET EPARE eve L. ECKEE ichael PROV	Dunca D BY C. Jor ED BY A. Cot	an nes tongim	2	3	4 MIC	DI CRO	6 EFEN CO	SE SI POS DLUM	UPPL ST OF IBUS tp://w	9 LY CE FICE , OHIO	10 ENTEF BOX O 432	11 R COL 3990 218-33 Ila.mi	12 LUMB 990 I/	us 5 VO	14
SHEET REV SHEET REV STATU OF SHEETS PMIC N/A STA MICRO DR THIS D AV/ FOR U DEPA AND AGEI DEPARTMEN	ANDARD OCIRCUIT AWING PRAWING IS AILABLE JSE BY ALL RTMENTS NCIES OF THE	SH PRE St CHE M API Ke	EET EPARE eve L. ECKEI ichael PROV endall	Dunca DBY C. Jor ED BY A. Cot	an nes tongim	2	3	MIC DU	DI CROC AL C	6 CC CIRC CHAN	SE SI POS DLUM htt	BUPPL ST OF IBUS tp://w	9 LY CE FICE , OHIO	10 ENTER BOX O 433 Iscc.o	11 R COL 3990 218-33 Ila.mi	12 LUMB 990 I/	us 5 VO	14
SHEET REV SHEET REV STATU OF SHEETS PMIC N/A STA MICRO DR THIS D AV/ FOR U DEPA AND AGEI DEPARTMEN	ANDARD OCIRCUIT AWING PRAWING IS AILABLE JSE BY ALL RTMENTS NCIES OF THE	SH PRE St CHE M API Ke	EET EPARE eve L. ECKEI ichael PROV endall	Dunca DBY C. Jor ED BY A. Cot G APPI 99-0	an nes tongim	2	3	MIC DU	DI CRO	6 CIRC CHAN	SE SI POS DLUM	8 UPPL ST OF IBUS tp://w	9 LY CE FICE , OHIO	INTER BOX O 433 ISCC.C	11 R COL 3990 218-33 Ila.mi	12 -UMB 990 I/ R, 6.5 RTEF	13 SUS	14

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5962-E290-05

1. SCOPE

- 1.1 Scope. This drawing documents five product assurance classes as defined in paragraph 1.2.3 and MIL-PRF-38534. A choice of case outlines and lead finishes which 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. RHA marked devices shall meet the MIL-PRF-38534 specified RHA levels and shall be marked with the appropriate RHA designator. A dash (-) indicates a non-RHA device.
 - 1.2.2 <u>Device type(s)</u>. The device type(s) identify the circuit function as follows:

Device type	Generic number	<u>Circuit function</u>
01	AFL2806.5D/CH	DC/DC converter, 80 W, ±6.5 V output

1.2.3 Device class designator. This device class designator shall be a single letter identifying the product assurance level. All levels are defined by the requirements of MIL-PRF-38534 and require QML Certification as well as qualification (Class H, K, and E) or QML Listing (Class G and D). The product assurance levels are as follows:

Device class	Device performance documentation
К	Highest reliability class available. This level is intended for use in space applications.
Н	Standard military quality class level. This level is intended for use in applications where non-space high reliability devices are required.
G	Reduced testing version of the standard military quality class. This level uses the Class H screening and In-Process Inspections with a possible limited temperature range, manufacturer specified incoming flow, and the manufacturer guarantees (but may not test) periodic and conformance inspections (Group A, B, C and D).
E	Designates devices which are based upon one of the other classes (K, H, or G) with exception(s) taken to the requirements of that class. These exception(s) must be specified in the device acquisition document; therefore the acquisition document should be reviewed to ensure that the exception(s) taken will not adversely affect system performance.
D	Manufacturer specified quality class. Quality level is defined by the manufacturers internal, QML certified flow. This product may have a limited temperature range.

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1.2.4 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
U	See figure 1	12	Y case configuration with leads bent upwards
Χ	See figure 1	12	Straight leads with end mounting through holes
Υ	See figure 1	12	Straight leads with side mounting through holes
Z	See figure 1	12	Y case configuration with leads bent downwards

1.2.5 Lead finish. The lead finish shall be as specified in MIL-PRF-38534.

1.3 Absolute maximum ratings. 1/

Input voltage range	-0.5 V dc to +50 V dc
Lead temperature (soldering, 10 seconds)	+300°C
Storage temperature range	-65°C to +135°C

1.4 Recommended operating conditions.

Input voltage range	+16 V dc to +40 V dc
Output power <u>2</u> / <u>3</u> /	≤ 80 W
Case operating temperature range	-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-38534 - Hybrid Microcircuits, General Specification for.

DEPARTMENT OF DEFENSE STANDARDS

MIL-STD-883 - Test Method Standard Microcircuits.

MIL-STD-1835 - Interface Standard for 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 http://assist.daps.dla.mil/quicksearch/ or http://assist.daps.dla.mil or from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.)

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

Output load must be distributed so that a minimum of 20 percent of the total output power is being provided by one of the outputs.

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^{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.

^{2/} Derate output power linearly above case temperature +125°C to 0 at +135°C.

3. REQUIREMENTS

- 3.1 <u>Item requirements</u>. The individual item performance requirements for device classes D, E, G, H, and K shall be in accordance with MIL-PRF-38534. Compliance with MIL-PRF-38534 shall include the performance of all tests herein or as designated in the device manufacturer's Quality Management (QM) plan or as designated for the applicable device class. The manufacturer may eliminate, modify or optimize the tests and inspections herein, however the performance requirements as defined in MIL-PRF-38534 shall be met for the applicable device class. In addition, the modification in the QM plan shall not affect the form, fit, or function of the device for the applicable device class.
- 3.2 <u>Design, construction, and physical dimensions</u>. The design, construction, and physical dimensions shall be as specified in MIL-PRF-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 <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 specified 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 defined in table I.
- 3.5 <u>Marking of device(s)</u>. Marking of device(s) shall be in accordance with MIL-PRF-38534. The device shall be marked with the PIN listed in 1.2 herein. In addition, the manufacturer's vendor similar PIN may also be marked.
- 3.6 <u>Data</u>. In addition to the general performance requirements of MIL-PRF-38534, the manufacturer of the device described herein shall maintain the electrical test data (variables format) from the initial quality conformance inspection group A lot sample, for each device type listed herein. Also, the data should include a summary of all parameters manually tested, and for those which, if any, are guaranteed. This data shall be maintained under document revision level control by the manufacturer and be made available to the preparing activity (DSCC-VA) upon request.
- 3.7 <u>Certificate of compliance</u>. A certificate of compliance shall be required from a manufacturer in order to supply to this drawing. The certificate of compliance (original copy) submitted to DSCC-VA shall affirm that the manufacturer's product meets the performance requirements of MIL-PRF-38534 and herein.
- 3.8 <u>Certificate of conformance</u>. A certificate of conformance as required in MIL-PRF-38534 shall be provided with each lot of microcircuits delivered to this drawing.

4. VERIFICATION

- 4.1 <u>Sampling and inspection</u>. Sampling and inspection procedures shall be in accordance with MIL-PRF-38534 or as modified in the device manufacturer's Quality Management (QM) plan. The modification in the QM plan shall not affect the form, fit, or function as described herein.
- 4.2 <u>Screening</u>. Screening shall be in accordance with MIL-PRF-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. The test circuit shall be maintained by the manufacturer under document revision level control and shall be made available to either DSCC-VA or the acquiring activity upon request. Also, 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 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.

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		TABLE I. Electrical per	formand	ce characte	<u>ristics</u> .			
Test	Symbol	Conditions -55°C ≤ T _C ≤ +125°C	2	Group <i>F</i> Subgroup		Lir	nits	Unit
		V _{IN} = 28 V dc ±5%, C _L unless otherwise specif	= 0			Min	Max	
Output voltage	V _{OUT}	$I_{OUT} = 6.2 \text{ A, both outputs}$		1	01	±6.43	±6.57	V
				2,3		±6.37	±6.63	
Output current 1/	I _{OUT}	V _{IN} = 16, 28, and 40 V dc, either output		1,2,3	01		9.8	А
Output ripple voltage 2/	V _{RIP}	V _{IN} = 16, 28, and 40 V dc, B.W. = 10 MHz, I _{OUT} = 6.2 both outputs		1,2,3	01		60	mV p-p
Line regulation 3/	VR _{LINE}	V_{IN} = 16, 28, and 40 V dc I_{OUT} = 0, 3.1, and 6.2 A, both outputs		1,2,3	01		±33	mV
Load regulation 3/	VR _{LOAD}	V_{IN} = 16, 28, and 40 V dc, I_{OUT} = 0, 3.1, and 6.2 A, both outputs		1,2,3	01		±65	mV
Cross regulation 4/	VR _{CROS}	V _{IN} = 16, 28, 40 V dc		1,2,3	01			MV
Positive output							±65	
Negative output							±520	
Input current	I _{IN}	I _{OUT} = no load		1	01		80	mA
				2,3			100	
		Enable 1, (pin 4) shorted t Input return (pin 2)	0	1,2,3			5	
		Enable 2, (pin 12) shorted Output return (pin 8)	to	1,2,3			50	
Input ripple current 2/	I _{RIP}	I _{OUT} = 6.2 A, both outputs, B.W. = 10 MHz		1,2,3	01		60	mA p-p
Efficiency	E _{FF}	$I_{OUT} = 6.2 \text{ A, both outputs}$		1,2,3	01	78		%
Isolation	ISO	Input to output or any pin to case (except pin 3) at 500 $T_C = +25^{\circ}C$		1	01	100		ΜΩ
See footnotes at end of	table.							
S' Microci	TANDAR RCUIT D			SIZE A			5962-	98638
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	TAB	LE I. Electrical performance charac	<u>cteristics</u> - Con	tinued.			
Test	Symbol	Conditions $-55^{\circ}C \le T_{C} \le +125^{\circ}C$	Group A Subgroups	Device type	Lir	nits	Unit
		$V_{IN} = 28 \text{ V dc } \pm 5\%, C_L = 0$ unless otherwise specified	3 3	-71	Min	Max	
Maximum capacitive load <u>5</u> /	C _L	Each output	4	01	10,000		μF
Power dissipation load fault	P _D	Overload 6/	1,2,3	01		33	W
- Tadit		Short circuit				33	
Current limit point 7/	I _{CL}	V _{OUT} = 90 % V _{NOM} ,	1	01	7.1	7.7	A
	Current split equally on positive and negative outputs	2		6.4	7.1		
			3		7.7	8.6	
Switching frequency	Fs		4,5,6	01	500	600	kHz
Sync frequency range	F _{SYNC}		4,5,6	01	500	700	kHz
Output response to step transient load changes	VO _{TLOAD}	50% to/from 100%	4,5,6	01	-450	+450	mV pk
8/		10% to/from 50%			-450	+450	
Recovery time, step	TT _{LOAD}	50% to/from 100%	4,5,6	01		200	μS
transient load changes 8/ 9/		10% to/from 50%				400	
Output response to transient step line changes <u>5</u> / <u>10</u> /	VO _{TLINE}	Input step, 16 V to/from 40 V dc	4,5,6	01	-500	+500	mV pk

See footnotes at end of table.

 $\mathsf{TT}_{\mathsf{LINE}}$

Recovery time transient

step line changes

<u>5</u>/ <u>9</u>/ <u>10</u>/

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Input step, 16 V to/from 40 V dc

4,5,6

01

500

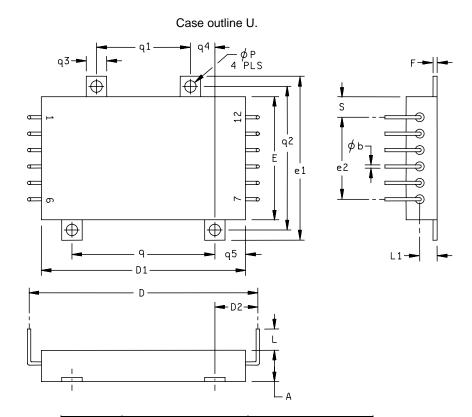
μS

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

Test	Symbol					nits	Unit
		$V_{IN} = 28 \text{ V dc } \pm 5\%, \text{ C}_{L} = 0$ unless otherwise specified	oung. oup	31-1	Min	Max	
Turn on overshoot	VTon _{os}	Enable 1 and 2 on. (Pins 4 and 12 high or open)	4,5,6	01		250	mV pk
Turn on delay 11/	Ton _D	Enable 1 and 2 on. (Pins 4 and 12 high or open)	4,5,6	01		10	ms
Load fault recovery 5/	Tr _{LF}		4,5,6	01		10	ms

- 1/ Parameter guaranteed by line and load regulation tests.
- 2/ Bandwidth guaranteed by design. Tested for 20 kHz to 10 MHz.
- 3/ Load current split equally between +V_{OUT} and -V_{OUT}.
- 4/ Cross regulation measured with load on tested output at 20 percent while changing the load on the other output from 20 percent to 80 percent.
- 5/ Parameter shall be tested as part of design characterization and after design or process changes. Thereafter, parameters shall be guaranteed to the limits specified in table I.
- 6/ An overload is that condition with a load in excess of the rated load but less than that necessary to trigger the short circuit protection and is the condition of maximum power dissipation.
- 7/ Current limit point is that condition of excess load causing output voltage to drop 90 percent of nominal.
- 8/ Load step transition time \geq 10 microseconds.
- 9/ Recovery time is measured from the initiation of the transient to where V_{OUT} has returned to within \pm 1 percent of V_{OUT} at 50 percent load.
- <u>10</u>/ Input step transition time \ge 100 microseconds.
- 11/ Turn on delay is measured with an input voltage rise time of between 100 and 500 volts per millisecond.

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	Millimeters		Inc	hes
Symbol	Min	Max	Min	Max
Α		9.65		.380
D	71.00	71.25	2.795	2.805
D1	63.37	63.63	2.495	2.505
D2	13.21	13.46	.520	.530
E	37.97	38.23	1.495	1.505
e1	50.6	51.1	1.99	2.01
e2	25.27	25.53	.995	1.005
F	1.14	1.40	.045	.055
L	10.4	10.9	.41	.43
L1	5.46	5.72	.215	.225
q	44.32	44.58	1.745	1.755
q1	29.08	29.34	1.145	1.155
q2	44.32	44.58	1.745	1.755
q3	6.1	6.6	.24	.26
q4	7.49	7.75	.295	.305
q5	9.40	9.65	.370	.380
S	6.22	6.48	.245	.255
Øb	0.89	1.14	.035	.045
Øp	3.43	3.68	.135	.145

NOTES:

- The U.S. government preferred system of measurement is the metric SI. This item was designed using inch-pound units of measurement. In case of problems involving conflicts between the metric and inch-pound units, the inch-pound units shall rule.

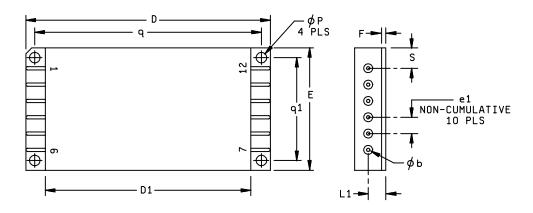
 Lead identification for reference only.

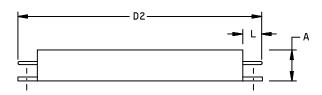
 Case outline weight: 92 grams maximum.
- 2. 3.

FIGURE 1. Case outline(s).

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Case outline X.





	Millimeters		Inc	hes
Symbol	Min	Max	Min	Max
Α		9.65		.380
D	76.07	76.33	2.995	3.005
D1	63.37	63.63	2.495	2.505
D2		75.57		2.975
Е	37.97	38.23	1.495	1.505
e1	4.95	5.21	.195	.205
F	1.14	1.40	.045	.055
L		6.05		.238
L1	5.46	5.72	.215	.225
q	69.98	70.23	2.755	2.765
q1	31.88	32.13	1.255	1.265
S	6.22	6.48	.245	.255
Øb	0.89	1.14	.035	.045
Øp	3.12	3.38	.123	.133

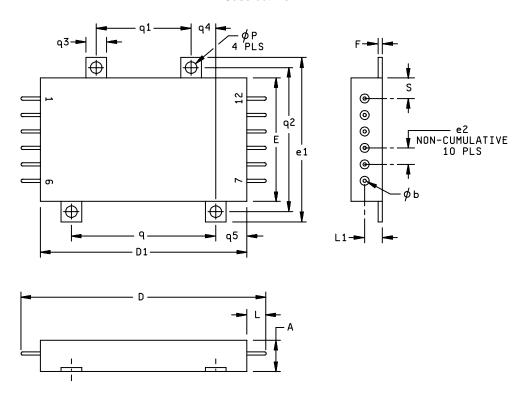
NOTES:

- The U.S. government preferred system of measurement is the metric SI. This item was designed using inch-pound units of measurement. In case of problems involving conflicts between the metric and inch-pound units, the inch-1. pound units shall rule.
 Lead identification for reference only.
 Case outline weight: 92 grams maximum.

FIGURE 1. Case outline(s) - Continued.

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Case outline Y.



	Millimeters		Inc	hes
Symbol	Min	Max	Min	Max
Α		9.65		.380
D		75.57		2.975
D1	63.37	63.63	2.495	2.505
E	37.97	38.23	1.495	1.505
e1	50.6	51.1	1.99	2.01
e2	4.95	5.21	.195	.205
F	1.14	1.40	.045	.055
L		6.05		.238
L1	5.46	5.72	.215	.225
q	44.32	44.58	1.745	1.755
q1	29.08	29.34	1.145	1.155
q2	44.32	44.58	1.745	1.755
q3	6.1	6.6	.24	.26
q4	7.49	7.75	.295	.305
q5 S	9.40	9.65	.370	.380
S	6.22	6.48	.245	.255
Øb	0.89	1.14	.035	.045
Øp	3.43	3.68	.135	.145

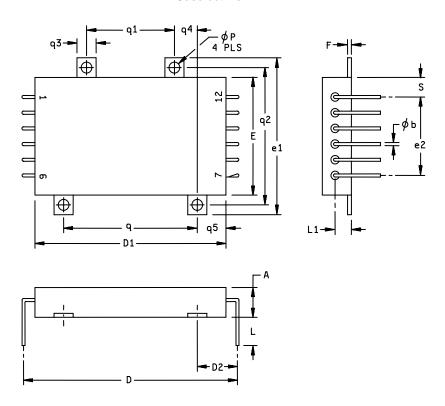
- NOTES:

 1. The U.S. government preferred system of measurement is the metric SI. This item was designed using inch-pound units of measurement. In case of problems involving conflicts between the metric and inch-pound units, the inchpound units shall rule.
 Lead identification for reference only.
 Case outline weight: 92 grams maximum.

FIGURE 1. Case outline(s) - Continued.

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Case outline Z.



	Millim	neters	Incl	hes
Symbol	Min	Max	Min	Max
Α		9.65		.380
D	71.00	71.25	2.795	2.805
D1	63.37	63.63	2.495	2.505
D2	13.21	13.46	.520	.530
E	37.97	38.23	1.495	1.505
e1	50.6	51.1	1.99	2.01
e2	25.27	25.53	.995	1.005
F	1.14	1.40	.045	.055
L	8.9	9.4	.35	.37
L1	5.46	5.72	.215	.225
q	44.32	44.58	1.745	1.755
q1	29.08	29.34	1.145	1.155
q2	44.32	44.58	1.745	1.755
q3	6.1	6.6	.24	.26
q4	7.49	7.75	.295	.305
q5	9.40	9.65	.370	.380
Ś	6.22	6.48	.245	.255
Øb	0.89	1.14	.035	.045
Øp	3.43	3.68	.135	.145

NOTES:

- The U.S. government preferred system of measurement is the metric SI. This item was designed using inch-pound units of measurement. In case of problems involving conflicts between the metric and inch-pound units, the inchpound units shall rule.
 Lead identification for reference only.
 Case outline weight: 92 grams maximum.

FIGURE 1. Case outline(s) - Continued.

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Device type	01
Case outlines	U,X,Y,Z
Terminal number	Terminal symbol
1	Positive Input
2	Input Return
3	Case
4	Enable 1
5	Sync Output
6	Sync Input
7	Positive Output
8	Output Return
9	Negative Output
10	Output Voltage Trim
11	Share
12	Enable 2

FIGURE 2. <u>Terminal connections</u>.

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TABLE II. Electrical test requirements.

MIL-PRF-38534 test requirements	Subgroups (in accordance with MIL-PRF-38534, group A test table)
Interim electrical parameters	
Final electrical parameters	1*, 2, 3, 4, 5, 6
Group A test requirements	1, 2, 3, 4, 5, 6
Group C end-point electrical parameters	1, 4
End-point electrical parameters for Radiation Hardness Assurance (RHA) devices	Not applicable

^{*} PDA applies to subgroup 1.

- 4.3 <u>Conformance and periodic inspections</u>. Conformance inspection (CI) and periodic inspection (PI) shall be in accordance with MIL-PRF-38534 and as specified herein.
 - 4.3.1 Group A inspection (CI). Group A inspection shall be in accordance with MIL-PRF-38534 and as follows:
 - a. Tests shall be as specified in table II herein.
 - b. Subgroups 7, 8, 9, 10, and 11 shall be omitted.
 - 4.3.2 Group B inspection (PI). Group B inspection shall be in accordance with MIL-PRF-38534.
 - 4.3.3 Group C inspection (PI). Group C inspection shall be in accordance with MIL-PRF-38534 and as follows:
 - a. End-point electrical parameters shall be as specified in table II herein.
 - b. Steady-state life test, 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 either DSCC-VA or the acquiring activity upon request. Also, 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 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 (PI). Group D inspection shall be in accordance with MIL-PRF-38534.
 - 4.3.5 Radiation Hardness Assurance (RHA) inspection. RHA inspection is not currently applicable to this drawing.

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- 5. PACKAGING
- 5.1 Packaging requirements. The requirements for packaging shall be in accordance with MIL-PRF-38534.
- 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 as specified in MIL-PRF-38534.
- 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 microelectronic 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) 692-1081.
- 6.6 <u>Sources of supply</u>. Sources of supply are listed in MIL-HDBK-103 and QML-38534. The vendors listed in MIL-HDBK-103 and QML-38534 have submitted a certificate of compliance (see 3.7 herein) to DSCC-VA and have agreed to this drawing.

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DATE: 05-04-04

Approved sources of supply for SMD 5962-98638 are listed below for immediate acquisition information only and shall be added to MIL-HDBK-103 and QML-38534 during the next revisions. MIL-HDBK-103 and 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 DSCC-VA. This information bulletin is superseded by the next dated revisions of MIL-HDBK-103 and QML-38534. DSCC maintains an online database of all current sources of supply at http://www.dscc.dla.mil/Programs/Smcr/.

Standard	Vendor	Vendor
microcircuit drawing	CAGE	Similar
PIN <u>1</u> /	number	PIN <u>2</u> /
5962-9863801HUA	52467	AFL2806.5DW/CH
5962-9863801HUC	52467	AFL2806.5DW/CH
5962-9863801HXA	52467	AFL2806.5DX/CH
5962-9862801HXC	52467	AFL2806.5DX/CH
5962-9863801HYA	52467	AFL2806.5DY/CH
5962-9863801HYC	52467	AFL2806.5DY/CH
5962-9863801HZA	52467	AFL2806.5DZ/CH
5962-9863801HZC	52467	AFL2806.5DZ/CH

- 1/ The lead finish shown for each PIN representing 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/ <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.

Vendor CAGE number

52467

Vendor name and address

Advanced Analog, IR 2270 Martin Avenue Santa Clara, CA 95050-2781

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