						R	REVISI	ONS										
LTR	DESCRIPTION					DATE (YR-MO-DA)		DA)	APPROVED									
А	Added devi	ce type 02	. Upda	ited par	agrap	h 4.3.	5 to in	clude				01-1	0-26		Ray	mond	Monni	n
SHEET																		
REV																		
SHEET REV SHEET	IS.	PI	EV		Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	
SHEET REV SHEET REV STATU		RE			A 1	A 2	A 3	A 4	A 5	A 6	A 7	A 8	A 9	A 10	A 11	A 12	A 13	
REV SHEET REV SHEET REV STATU OF SHEETS		SH PR	EV IEET EPARE ry Zahr		A 1	A 2	A 3	A 4	5	6	7	8	9	10	11	12	13	
SHEET REV SHEET REV STATU DF SHEETS MIC N/A STA		SH PR Ga	IEET EPARE ry Zahr ECKEI	า	1		_		5	6 EFEN	7 SE SI COL	8 JPPL UMBI	9 Y CE JS, O	1	11 COL 43216	12 . UMB	13	
SHEET REV SHEET REV STATU DF SHEETS MIC N/A STA MICRO DR THIS D AV/ FOR L	ANDARD OCIRCUIT AWING DRAWING IS AILABLE JSE BY ALL	SH PR Ga CH Mid	EPARE ry Zahr ECKEI chael C	n D BY	1		_	4 MIC	DI DI	6 EFEN	SE SI COL	8 UPPL UMBI p://wv	9 Y CE JS, O vw.ds	10 NTER	COL 43216 mil	12 .UMB	us B-VO	
SHEET REV SHEET REV STATU OF SHEETS MIC N/A STA MICRI DR THIS D AV/ FOR L DEPA AND AGE	ANDARD OCIRCUIT AWING DRAWING IS AILABLE	SH PR Ga CH Mid	EPARE ry Zahr ECKEI chael C	D BY Jones	1 S	2	3	4 MIC	DI DI	6 EFEN	SE SI COL	8 UPPL UMBI p://wv	9 Y CE JS, O vw.ds	NTER HIO cc.dla	COL 43216 mil	12 .UMB	us B-VO) L 7
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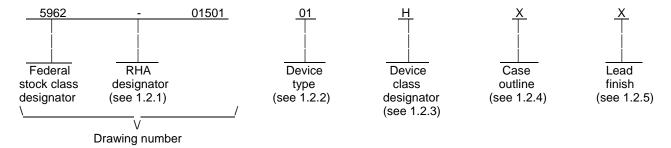
<u>DISTRIBUTION STATEMENT A</u>. Approved for public release; distribution is unlimited.

1 OF

13

1. SCOPE

- 1.1 <u>Scope</u>. 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 <u>Radiation hardness assurance (RHA) designator</u>. 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	Circuit function
01	MTR283R3S/883, MTR283R3SF/883	DC-DC converter, 20 W, +3.3 V output
02	SMTR283R3S, SMTR283R3SF	DC-DC converter, 18 W, +3.3 V output

1.2.3 <u>Device class designator</u>. 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.

STANDARD MICROCIRCUIT DRAWING	SIZE A		5962-01501
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43216-5000		REVISION LEVEL A	SHEET 2

1.2.4 <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
X	See figure 1	10	Dual-in-line
Z	See figure 1	10	Flange mount

1.2.5 <u>Lead finish</u>. 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
Power dissipation (P _D):	
Device types 01 and 02 (non-RHA)	12 W
Device type 02 (RHA level R)	14 W
Output power:	
Device type 01 (non-RHA)	20.6 W
Device type 02 (non-RHA)	18.5 W
Device type 02 (RHA level R)	19.1 W
Lead temperature (hand soldering, 10 seconds)	+300°C
Storage temperature range	-65°C to +150°C

1.4 Recommended operating conditions.

Input voltage range	+16 V dc to +40 V dc
Case operating temperature range (T _C)	-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 listed in the issue of the Department of Defense Index of Specifications and Standards (DoDISS) and supplement thereto, cited in the solicitation.

SPECIFICATION

DEPARTMENT OF DEFENSE

MIL-PRF-38534 - Hybrid Microcircuits, General Specification for.

STANDARDS

DEPARTMENT OF DEFENSE

MIL-STD-883 - Test Method Standard Microcircuits.

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

STANDARD MICROCIRCUIT DRAWING	SIZE A		5962-01501
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43216-5000		REVISION LEVEL A	SHEET 3

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

HANDBOOKS

DEPARTMENT OF DEFENSE

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

MIL-HDBK-780 - Standard Microcircuit Drawings.

(Unless otherwise indicated, copies of the specification, standards, and handbook are available 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.

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 may 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. Therefore, the tests and inspections herein may not be performed for the applicable device class (see MIL-PRF-38534). Furthermore, the manufacturer may take exceptions or use alternate methods to the tests and inspections herein and not perform them. However, the performance requirements as defined in MIL-PRF-38534 shall be met 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 <u>Terminal connections</u>. 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. QUALITY ASSURANCE PROVISIONS

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.

STANDARD MICROCIRCUIT DRAWING	SIZE A		5962-01501
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43216-5000		REVISION LEVEL A	SHEET 4

		TABLE I. Electrical perfo	ormano	e characteristic	<u>s</u> .				
Test	Symbol	Conditions $-55^{\circ}C \le T_{C} \le +125^{\circ}C$			Device types	Lin	nits	Unit	
		V _{IN} = 28V dc ±0.5V no external sync, C _L = unless otherwise spec	=0	subgroups	турез	Min	Max		
Output voltage	V _{OUT}	I _{OUT} = Max		1	01, 02	3.267	3.333	VDC	
				2,3		3.201	3.399		
			R	1, 2, 3	02	3.102	3.498		
Output current	l _{OUT}	$V_{IN} = 16 \text{ V dc to } 40 \text{V dc}$		1, 2, 3	01	0.0	6060	mA	
					02	0.0	5450		
V _{OUT} ripple voltage	V_{RIP}	I _{OUT} = Max, BW = 10KH	z to	1	1 01, 02 40		40	mVp-p	
		2MHz		2,3			50		
			R	1, 2, 3	02		100		
V _{OUT} line regulation	VR _{LINE}	$V_{IN} = 16V \text{ dc to } 40V \text{ dc},$ $I_{OUT} = 6.06 \text{ A}$		1, 2, 3	01		10	mV	
		$V_{IN} = 16V \text{ dc to } 40V \text{ dc,}$ $I_{OUT} = 5.45 \text{ A}$			02		20		
			R	1, 2, 3	02		40		
V _{OUT} load regulation	VR_{LOAD}	$I_{OUT} = 0 \text{ to } 6.06 \text{ A}$		1, 2, 3	01		10	mV	
		$I_{OUT} = 0$ to 5.45 A			02		20		
			R	1, 2, 3	02		40		
Input current	I _{IN}	$I_{OUT} = 0 A$, Inhibit (pin 2) = 0	1, 2, 3	01, 02		8	mA	
			R	1, 2, 3	02		10		
		I _{OUT} = 0 A, Inhibit (pin 2 open) =	1, 2, 3	01, 02		75	mA	
			R	1, 2, 3	02		175		
I _{IN} ripple current	I _{RIP}	I _{OUT} = Max BW = 10KHz to 10MHz		1, 2, 3	01, 02		50	mAp-p	
			R	1, 2, 3	02		65		
Short circuit power	P _D	Short circuit		1	01, 02		10	W	
dissipation				2, 3	01, 02		12		
			R	1, 2, 3	02		14		

See footnotes at end of table.

STANDARD MICROCIRCUIT DRAWING	SIZE A		5962-01501
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43216-5000		REVISION LEVEL A	SHEET 5

	IAB	LE I. <u>Electrical performan</u>	ce char	<u>racteristics</u> - Co	ntinued.			
Test	Symbol	Conditions $-55^{\circ}C \le T_{C} \le +125^{\circ}C$		Group A subgroups	Device types	Lir	nits	Unit
		V _{IN} = 28V dc ±0.5\ no external sync, C _L unless otherwise spec	= 0			Min	Max	
Efficiency	Eff	I _{OUT} = 6.06 A		1	01	74		%
		I _{OUT} = 5.45 A			02	70		
		I _{OUT} = 6.06 A		2, 3	01	71		
		I _{OUT} = 5.45 A			02	66		
			R	1, 2, 3	02	64		
Isolation	ISO	Input to output or any p to case (except pins 7 a 8) at 500V dc		1	01, 02	100		МΩ
Capacitive Load 1/2/	C _L	No effect on dc performance		4	01, 02		300	μF
Switching frequency	Fs	I _{OUT} = Max		4, 5, 6	01, 02	550	650	kHz
			R	4, 5, 6	02	400	750	
External sync range <u>3</u> /	F _{SYNC}	I _{OUT} = Max, TTL level to	pin 9	4, 5, 6	01, 02	500	675	kHz
			R	4, 5, 6	02	550	650	
V _{OUT} , step load transient <u>4</u> /	V_{TLOAD}	50% load to/from 100%	load	4, 5, 6	01	-250	+250	mV pk
					02	-300	+300	
			R	4, 5, 6	02	-600	+600	
V _{OUT} , step load transient	TT _{LOAD}	50% load to/from 100%	load	4, 5, 6	01, 02		200	μs
recovery <u>2</u> / <u>4</u> / <u>5</u> /			R	4, 5, 6	02		600	
V _{OUT} , step line transient <u>2</u> / <u>6</u> /	V _{TLINE}	Input step 16V dc to/from 40V dc, I _{OUT} = Max	m	4, 5, 6	01, 02	-300	+300	mV pk
			R	4, 5, 6	02	-600	+600	

See footnotes at end of table.

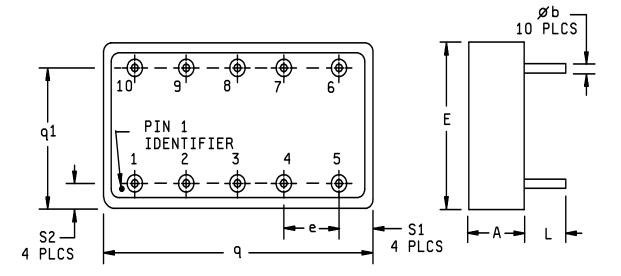
STANDARD MICROCIRCUIT DRAWING	SIZE A		5962-01501
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43216-5000		REVISION LEVEL A	SHEET 6

TABLE I. <u>Electrical performance characteristics</u> - Continued.								
Test	Symbol	Conditions		Group A	Device types	Lin	nits	Unit
		$-55^{\circ}C \le T_C \le +125$ $V_{IN} = 28V \text{ dc } \pm 0.5$ no external sync, C_l unless otherwise spe	5V _ = 0)		Min	Max	
V _{OUT} , step line transient recovery <u>2</u> / <u>5</u> /	TT _{LINE}	Input step 16V dc to/from 40V dc, I _{OUT} = Max		4, 5, 6	01, 02		300	μs
			R	4, 5, 6	02		800	
Start-up overshoot 2/	Vtonos	I _{OUT} = Max		4, 5, 6	01, 02		50	mV pk
			R	4, 5, 6	02		120	
Start-up delay 7/	Ton _D	I _{OUT} = Max		4, 5, 6	01, 02		5	ms
			R	4, 5, 6	02		20	
Load fault recovery 2/	Tr _{LF}	I _{OUT} = Max		4, 5, 6	01, 02		6	ms
			R	4, 5, 6	02		20	

- 1/ Capacitive load may be any value from 0 to the maximum limit without compromising DC performance.
- 2/ Parameter shall be tested as part of device characterization and after design and process changes. These parameters shall be guaranteed to the limits specified in table I for all lots not specifically tested.
- $\underline{3}/$ A TTL level waveform (V_{IH} = 4.5 V minimum, V_{IL} = .8 V maximum) with a 50% \pm 10% duty cycle applied to the sync pin (pin 6) within the sync range frequency shall cause the converter's switching frequency to become synchronous with the frequency applied to the sync input pin (pin 9).
- 4/ Load step transition time is 10 microseconds maximum.
- 5/ Recovery time is measured from the initiation of the transient until V_{OUT} has returned to within ±1 percent of V_{OUT} final value.
- 6/ Input step transition time greater than 10 microseconds.
- Turn-on delay time measurement is either for a step application of power at the input or the removal of a ground signal from the inhibit pin (pin 2) while power is applied to the input.

STANDARD MICROCIRCUIT DRAWING	SIZE A		5962-01501
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43216-5000		REVISION LEVEL A	SHEET 7

Case outline X.



Symbol	Millimeters		Inc	hes
	Min	Max	Min	Max
А		10.16		0.400
φb	0.89	1.14	0.035	0.045
е	10.16 BSC		0.400 BSC	
Е	28.07	28.32	1.105	1.115
L	6.09	6.60	0.240	0.260
q		53.21		2.095
q1	24.26 BSC		0.955	BSC
S1	6.22 BSC		0.245	BSC
S2	3.94	BSC	0.155	BSC

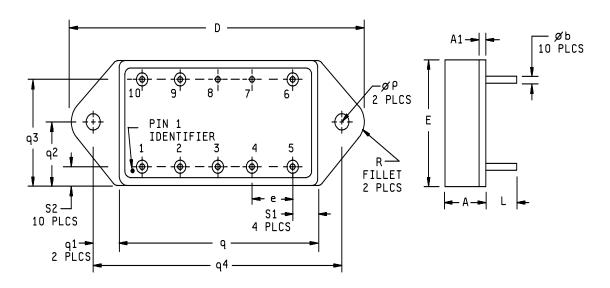
NOTES:

- 1. The case outline X was originally designed using the 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. Device weight: 52 grams.

FIGURE 1. Case outline(s).

STANDARD MICROCIRCUIT DRAWING	SIZE A		5962-01501
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43216-5000		REVISION LEVEL A	SHEET 8

Case outline Z.



Symbol	Millin	neters	Inc	ches
	Min	Max	Min	Max
Α		10.16		0.400
A1	1.27	1.78	0.050	0.070
φb	0.89	1.14	0.035	0.045
D		73.66		2.900
е	10.16	6 BSC	0.40	0 BSC
E	28.07	28.32	1.105	1.115
L	6.09	6.60	0.240	0.260
фр	3.99	4.19	0.157	0.165
q	53.08 BSC		2.090 BSC	
q1	5.84 BSC		0.23	0 BSC
q2	14.10 BSC		0.55	5 BSC
q3	24.20	6 BSC	0.95	5 BSC
q4	64.52	65.02	2.540	2.560
R	4.19	4.44	0.165	0.175
S1	6.22 BSC		0.245 BSC	
S2	3.94	BSC	0.155 BSC	

NOTES:

- 1. The case outline Z was originally designed using the 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. Unless otherwise specified, the tolerance is $\pm .01$ for two place decimals and $\pm .005$ for three place decimals.
- 3. Device weight: 55 grams maximum.

FIGURE 1. Case outline(s) - continued.

STANDARD MICROCIRCUIT DRAWING	SIZE A		5962-01501
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43216-5000		REVISION LEVEL A	SHEET 9

	l I
Device types	01 and 02
Case outlines	X and Z
Terminal number	Terminal symbol
1	Positive input
2	Inhibit
3	Sense return
4	Output common
5	Positive output
6	Positive sense
7	Case ground
8	Case ground
9	Sync input
10	Input common

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

STANDARD MICROCIRCUIT DRAWING	SIZE A		5962-01501
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43216-5000		REVISION LEVEL A	SHEET 10

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
End-point electrical parameters for Radiation Hardness Assurance (RHA) devices	1, 2, 3, 4, 5, 6

^{*} PDA applies to subgroup 1.

- 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 test 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.
- 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.

STANDARD MICROCIRCUIT DRAWING	SIZE A		5962-01501
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43216-5000		REVISION LEVEL A	SHEET 11

- 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.
 - 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 test 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 <u>Radiation Hardness Assurance (RHA)</u>. RHA qualification is required only for those devices with the RHA designator as specified herein.

	RHA level R	Units
Total ionizing dose tolerance level	100	kRad(Si)
Single event upset survival level (LET)	40	MeV

- a. Radiation dose rate is in accordance with condition C of method 1019 of MIL-STD-883. Unless otherwise specified, components are tested at a rate of 9 rad(Si)/s, in accordance with method 1019 of MIL-STD-750 or MIL-STD-883, as applicable.
- b. The manufacturer shall perform a worst-case and radiation susceptibility analysis on the device. This analysis shall show that the minimum performance requirements of each component has adequate design margin under worst-case operating conditions (extremes of line voltage, temperatures, load, frequency, radiation environment, etc.). This analysis guarantees the post-irradiation parameter limits specified in table I.
- c. RHA testing shall be performed at the component level for initial device qualification, and after design changes that may affect the RHA performance of the device. As an alternative to testing, components may be procured to manufacturer radiation guarantees that meet the minimum performance requirements. Component radiation performance guarantees shall be established in compliance with MIL-PRF-19500, Group D or MIL-PRF-38535, Group E, as applicable. For components with less than adequate performance margin, component lot radiation acceptance screening shall be performed.
- d. The manufacturer shall establish procedures controlling component radiation testing, and shall establish radiation test plans used to implement component lot qualification during procurement. Test plans and test reports shall be filed and controlled in accordance with the manufacturer's configuration management system.
- e. The device manufacturer shall designate a RHA program manager to oversee component lot qualification, and to monitor design changes for continued compliance to RHA requirements.
- 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.

STANDARD MICROCIRCUIT DRAWING	SIZE A		5962-01501
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43216-5000		REVISION LEVEL A	12

6.2 Replaceability. Microcircuits covered by this drawing will replace the same generic device covered by a contractorprepared specification or drawing. 6.3 Configuration control of SMD's. All proposed changes to existing SMD's will be coordinated as specified in MIL-PRF-38534. 6.4 Record of users. Military and industrial users shall inform Defense Supply Center Columbus 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 Comments. Comments on this drawing should be directed to DSCC-VA, Columbus, Ohio 43216-5000, or telephone (614) 692-0512. 6.6 Sources of supply. 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. SIZE **STANDARD** 5962-01501 Α MICROCIRCUIT DRAWING **REVISION LEVEL** SHEET **DEFENSE SUPPLY CENTER COLUMBUS** Α 13 COLUMBUS, OHIO 43216-5000

STANDARD MICROCIRCUIT DRAWING BULLETIN

DATE: 01-10-26

Approved sources of supply for SMD 5962-01501 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 bulletin is superseded by the next dated revisions of MIL-HDBK-103 and QML-38534.

Standard	Vendor	Vendor
microcircuit drawing	CAGE	similar
PIN <u>1</u> /	number	PIN <u>2</u> /
5962-0150101HXA	50821	MTR283R3S/883
5962-0150101HXC	50821	MTR283R3S/883
5962-0150101HZA	50821	MTR283R3SF/883
5962-0150101HZC	50821	MTR283R3SF/883
5962-0150102HXA	50821	SMTR283R3S/HO
5962-0150102HXC	50821	SMTR283R3S/HO
5962-0150102HZA	50821	SMTR283R3SF/HO
5962-0150102HZC	50821	SMTR283R3SF/HO
5962R0150102HXA	50821	SMTR283R3S/HR
5962R0150102HXC	50821	SMTR283R3S/HR
5962R0150102HZA	50821	SMTR283R3SF/HR
5962R0150102HZC	50821	SMTR283R3SF/HR
5962R0150102KXA	50821	SMTR283R3S/KR
5962R0150102KXC	50821	SMTR283R3S/KR
5962R0150102KZA	50821	SMTR283R3SF/KR
5962R0150102KZC	50821	SMTR283R3SF/KR

- 1/ The lead finish shown for each PIN representing a hermetic package is the most readily available from the manufacturer listed for that part. If the desired lead finish is not listed contact the Vendor to determine its availability.
- 2/ <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 50821 Vendor name and address

Interpoint Corporation 10301 Willows Road Redmond, WA 98073-9705

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