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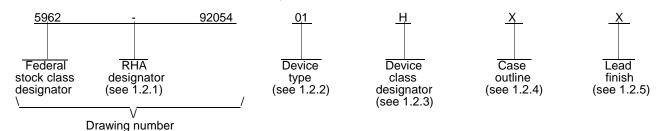
DSCC FORM 2233 APR 97 <u>DISTRIBUTION STATEMENT A</u>. Approved for public release; distribution is unlimited.

5962-E332-01

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

Device type	Generic number	Circuit function	Frequency	Accuracy ±1 LSB	BIT/VEL
01	SDC-14612II-112	14-bit, 90 V S/D converter	400 Hz	4 min	<u>VEL</u> BIT
02	SDC-14612IIT-112	14-bit, 90 V S/D converter	400 Hz	4 min	
03	SDC-14614II-112	14-bit, 90 V S/D converter	60 Hz	4 min	<u>VEL</u> BIT
04	SDC-14614IIT-112	14-bit, 90 V S/D converter	60 Hz	4 min	BIT
05	SDC-14617II-112	16-bit, 90 V S/D converter	400 Hz	4 min	<u>VEL</u> BIT
06	SDC-14617IIT-112	16-bit, 90 V S/D converter	400 Hz	4 min	BIT
07	SDC-14619II-112	16-bit, 90 V S/D converter	60 Hz	4 min	VEL
08	SDC-14619IIT-112	16-bit, 90 V S/D converter	60 Hz	4 min	<u>VEL</u> BIT
09	SDC-14617II-114	16-bit, 90 V S/D converter	400 Hz	2 min	VEL
10	SDC-14617IIT -114	16-bit, 90 V S/D converter	400 Hz	2 min	<u>VEL</u> BIT
11	SDC-14619II-114	16-bit, 90 V S/D converter	60 Hz	2 min	VEL
12	SDC-14619IIT-114	16-bit, 90 V S/D converter	60 Hz	2 min	<u>VEL</u> BIT

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.

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1.2.4 Case outline(s). The	e case outline(s) are as designated	in MIL-STD-1838	5 and as follows:	
Outline letter	Descriptive designator	Terminals	Package s	style
Х	See figure 1	36	Dual-in-li	ne
1.2.5 <u>Lead finish</u> . The lea	d finish shall be as specified in MII	PRF-38534.		
1.3 Absolute maximum rat	<u>ings</u> . <u>1</u> /			
Negative supply voltage Reference input voltage. Digital input voltage rang Power dissipation, T _A = 4 Thermal resistance junct Thermal resistance junct Storage temperature ran	$\begin{array}{l} V_{CC}) \\ (V_{EE}) \\ \vdots \\ 125^{\circ}C \ (P_D) \\ \vdots \\ ion-to-case \ (\theta_{JC}) \\ \vdots \\ ion-to-ambient \ (\theta_{JA}) \\ ge \\ ring, \ 10 \ seconds) \\ \vdots \end{array}$	7.0 V 130 V 0.3 V 550 m 8.0°C/ 20°C/ 65°C	dc rms dc to +7.0 V dc W W N to +150°C	
1.4 Recommended operat	ing conditions.			
Negative supply voltage Reference input voltage Reference input carrier fu Device types 01, 02, 0 Device types 03, 04, 0 Signal input voltage rang	V _{CC}) (V _{EE}) range requency range: 5, 06, 09, and 10 7, 08, 11, and 12 e parature range (T _A)	4.75 \ 10 V n 360 H: 47 Hz 81 V n	V dc to +5.25 V dc V dc to -5.25 V dc ms to 130 V rms z to 5000 Hz to 1000 Hz ms to 99 V rms to +125°C	
2. APPLICABLE DOCUME	ENTS			
part of this drawing to the ext	ion, standards, and handbooks. T ent specified herein. Unless other of Defense Index of Specifications	wise specified, th	e issues of these document	ts are those listed in
SPECIFICATION				
DEPARTMENT OF DEFI	ENSE			
MIL-PRF-38534 - Hy	brid Microcircuits, General Specifie	cation for.		
STANDARDS				
DEPARTMENT OF DEFI	ENSE			
	st Method Standard Microcircuits. erface Standard Electronic Compo	nent Case Outline	·S.	
HANDBOOKS				
DEPARTMENT OF DEFI	ENSE			
MIL-HDBK-103 - Lis MIL-HDBK-780 - Sta	t of Standard Microcircuit Drawing andard Microcircuit Drawings.	S.		
(Unless otherwise indicated Document Order Desk, 700 F	d, copies of the specification, stand Robbins Avenue, Building 4D, Phila	dards, and handbo adelphia, PA 1911	ooks are available from the 1-5094.)	Standardization
2.2 <u>Order of precedence</u> . of this drawing takes precede specific exemption has been	In the event of a conflict between ance. Nothing in this document, ho obtained.	the text of this dra owever, supersede	wing and the references cit es applicable laws and regu	ed herein, the text llations unless a
1/ Stresses above the abso maximum levels may deg	lute maximum ratings may cause grade performance and affect relia	permanent damaç bility.	ge to the device. Extended	operation at the
	NDARD UIT DRAWING	SIZE A		5962-92054
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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 <u>Case outline(s)</u>. 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.

3.2.3 Block diagram. The block diagram shall be as specified on figure 3.

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 in MIL-HDBK-103 and QML-38534.

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.

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.

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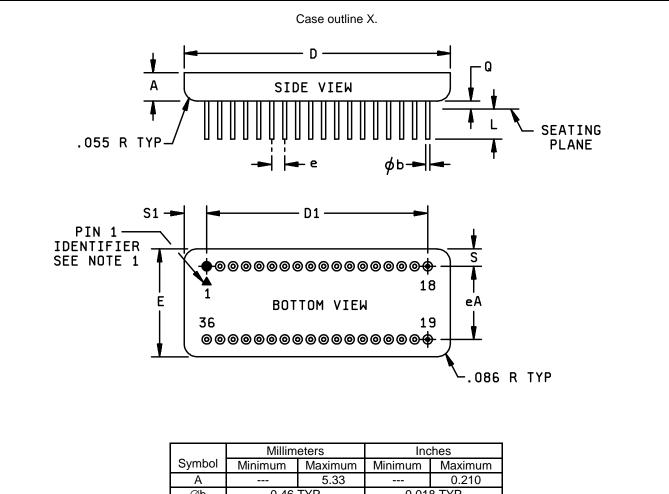
		TABLE I. Electrical per	formance	e character	istics.			
Test	Symbol	Conditions -55°C $\leq T_A \leq +125$		Group A	Device	Lir	nits	Unit
		$V_{CC} = +5 V dc, V_{EE} = -$ unless otherwise spe	-5 V dc	subgroup	os type	Min	Max	
Resolution <u>1</u> /	RES			7,8A,8I	3 01-04	14		Bits
					05-12	16		
Output accuracy 2/	AOUT			7,8A,8I	3 <u>01-04</u> 05-08	-4 -13	+4 +13	LSB
					09-12	-7	+13	-
Accuracy repeatability <u>2</u> / <u>3</u> /	AR			7,8A,8I	B All	-1.0	+1.0	LSB
Reference input voltage range <u>3</u> /	V _{IN1}			4,5,6	All	10	130	V rms
Reference input impedance <u>3</u> /	Z _{IN1}	Single ended		4,5,6	All	270		kΩ
Impedance <u>s</u> /		Differential				540		
Reference input common mode range <u>3</u> /	V _{CM1}			4,5,6	All	-200	+200	V pk
Signal input common mode range <u>3</u> /	V _{CM2}			4,5,6	All	-180	+180	V pk
Signal input impedance <u>3</u> /	Z _{IN2}	Line-to-line		4,5,6	All	80		kΩ
		Line-to-ground				123		
Digital output low voltage <u>1</u> /	V _{OL}	I _{OL} = -1.6 mA		1,2,3	All		0.4	V
Digital output high voltage $\underline{1}/$	V _{OH}	I _{OH} = 0.4 mA		1,2,3	All	2.8		V
Output leakage current <u>3</u> /	I _{OZ}			1,2,3	All	-60	+60	μA
Digital input high voltage <u>1</u> /	VIH	Digital inputs INH, EL, EM. V _{IN} = 2.0 V	and	1,2,3	All	pass/ fail		
See footnotes at end of tabl	e.					<u>.</u>		
STA MICROCIRO		AWING		ZE A			5962·	92054
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Test	Symbol	Conditions	Group A	Device	Limits		Unit
		$\label{eq:VCC} \begin{array}{l} -55^\circ C \leq T_A \leq +125^\circ C \\ V_{CC} = +5 \ V \ dc, \ V_{EE} = -5 \ V \ dc \\ unless \ otherwise \ specified \end{array}$	subgroups	type	Min	Max	
Digital input low voltage <u>1</u> /	VIL	<u>Dig</u> ital inputs INH, EL, and EM. V _{IN} = 0.8 V	1,2,3	All		pass/ fail	
Digital input current <u>1</u> /	l _{IN}	Internal pull-up	4,5,6	All		-10	μA
Inhibit voltage <u>1</u> /	Vinh	No di <u>gital</u> angles change while INH is logic 0 and analog input is rotating	7,8A,8B	All		0.8	V
Enable voltage <u>1</u> /	VE	EM controls output bits 1 through 8 and EL controls output bits 9 through 14 for device types 01 through 04, and bits 9 through 16 for device types 05 through 12.	7,8A,8B	All		0.8	V
Disable voltage <u>1</u> / (high impedance)	VD	EM controls outp <u>ut</u> bits 1 through 8 and EL controls output bits 9 through 14 for device types 01 through 04, and bits 9 through 16 for device types 05 through 12.	7,8A,8B	All	2.0		V
Positive supply voltage	I _{CC}	V _{CC} = +5.25 V	1,2,3	All		+17	mA
Negative supply voltage	I _{EE}	V _{EE} = -5.25 V	1,2,3	All		-17	mA
Analog velocity output voltage	Vout	<u>4</u> /	7,8A,8B	All	3.24	4.00	V
Bandwidth <u>1</u> /	BW		7,8A,8B	01,02, 05,06, 09,10	72	134	Hz
				03,04, 07,08, 11,12	10	20	

3/ Parameters shall be tested as part of device initial characterization and after design and process changes. Parameter shall be guaranteed to the limits specified in table I for all lots not specifically tested.

4/ Analog output voltage is tested at 8 revolutions per second (rps) for device types 01 and 02, 1 rps for device types 03 and 04, 2 rps for device types 05, 06, 09, and 10, 0.25 rps for device types 07, 08, 11, and 12.

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A		0.00		0.210
Øb	0.46	TYP	0.018	8 TYP
D	48.01	48.26	1.890	1.900
D1	43.05	43.31	1.695	1.705
E	19.56	19.81	0.770	0.780
е	2.54	TYP	0.10	0 TYP
eA	15.11	15.37	0.595	0.605
L	5.84		0.230	
Q		0.38		0.015
S	2.03	2.54	0.080	0.100
S1	2.29	2.79	0.090	0.110

NOTES:

1. Pin 1 is denoted by the contrasting colored bead and the ESD triangle on the under side.

2. Radius dimensions are in inches.

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

4. Pin number are for reference only.

5. Lead spacing dimensions apply only at seating plane.

FIGURE 1. Case outline(s).

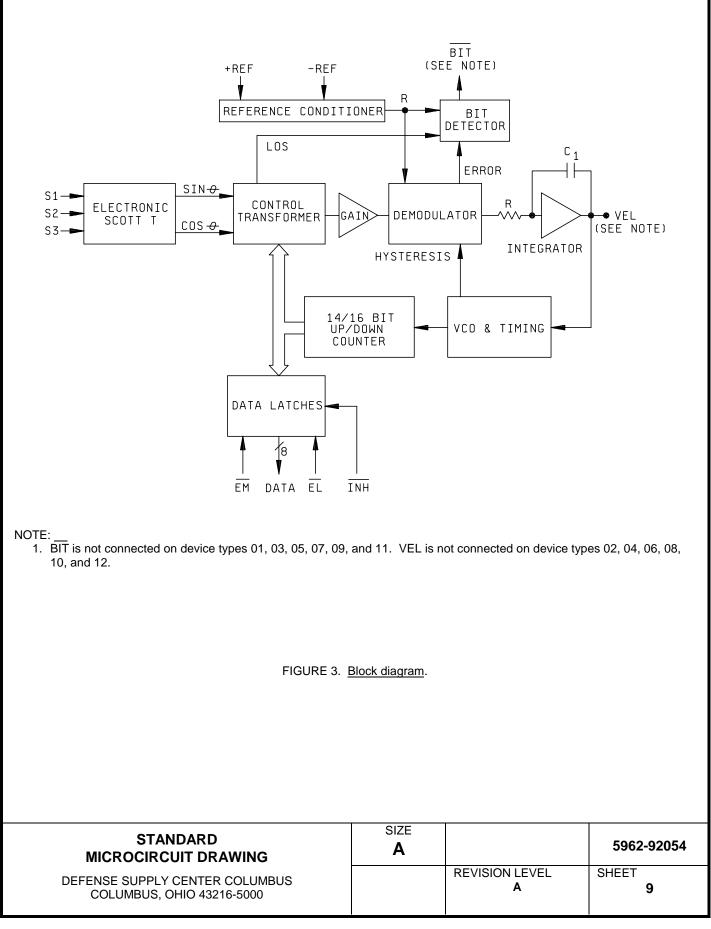
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Device types	01, 03	02, 04	05, 07, 09, 11	06, 08, 10, 12
Case outline	Х	х	Х	Х
Terminal number	Terminal symbol	Terminal symbol	Terminal symbol	Terminal symbol
$\begin{array}{c}1\\2\\3\\4\\5\\6\\7\\8\\9\\10\\11\\12\\13\\14\\15\\16\\17\\18\\19\\20\\21\\22\\23\\24\\25\\26\\27\\28\\29\\30\\31\\32\\33\\34\\35\\36\end{array}$	S1 A S2 A S3 A No connection GND A GND S1 B S2 B S3 B No connection V_{EE} (-5 V supply) V _{CC} (+5 V supply) S1 C S2 C S3 C No connection -REF +REF <u>EM</u> C EL C VEL C Bit 1/9 Bit 2/10 Bit 3/11 Bit 4/12 Bit 5/13 Bit 6/14 Bit 7 <u>Bit 8 EL B</u> EM B V <u>EL B</u> I <u>NH</u> (inhibit) <u>EL A</u> EM A VEL A	S1 A S2 A S3 A No connection GND A GND S1 B S2 B S3 B No connection VEE (-5 V supply) VCC (+5 V supply) S1 C S2 C S3 C No connection -REF +REF EM C EL C BIT C BIT C Bit 1/9 Bit 2/10 Bit 3/11 Bit 4/12 Bit 5/13 Bit 6/14 Bit 7 Bit 8 EL B EM B BIT B INH (inhibit) EL A EM A BIT A FIGURE 2. Terminal	S1 A S2 A S3 A No connection GND A GND S1 B S2 B S3 B No connection V_{EE} (-5 V supply) V_{CC} (+5 V supply) S1 C S2 C S3 C No connection -REF +REF <u>EM</u> C EL C VEL C Bit 1/9 Bit 2/10 Bit 3/11 Bit 4/12 Bit 5/13 Bit 6/14 Bit 7/15 Bit 8/16 <u>EL</u> B EM B VEL B INH (inhibit) <u>EL</u> A EM A VEL A	S1 A S2 A S3 A No connection GND A GND S1 B S2 B S3 B No connection VEE (-5 V supply) VCC (+5 V supply) S1 C S2 C S3 C No connection -REF +REF EM C EL C BIT C BIT C Bit 1/9 Bit 2/10 Bit 3/11 Bit 4/12 Bit 5/13 Bit 6/14 Bit 7/15 Bit 8/16 EL B EM B BIT B INH (inhibit) EL A EM A BIT A
	STANDARD MICROCIRCUIT DRA	W/NC	SIZE A	5962-920

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MIL-PRF-38534 test requirements	Subgroups (in accordance with MIL-PRF-38534, group A test table)
Interim electrical parameters	1,4,7
Final electrical parameters	1*,2,3,4,5,6,7,8A,8B
Group A test requirements	1,2,3,4,5,6,7,8A,8B
Group C end-point electrical parameters	1,2,3,4,5,6,7,8A,8B
End-point electrical parameters for radiation hardness assurance (RHA) devices	Not applicable

TABLE II. Electrical test requirements.

* 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 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 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 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 contractorprepared 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 in accordance with MIL-PRF-38534.

6.4 <u>Record of users</u>. 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 <u>Comments</u>. Comments on this drawing should be directed to DSCC-VA, Post Office Box 3990, Columbus, Ohio 43216-5000, or telephone (614) 692-0512.

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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STANDARD MICROCIRCUIT DRAWING BULLETIN

DATE: 01-06-14

Approved sources of supply for SMD 5962-92054 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 microcircuit drawing PIN <u>1</u> /	Vendor CAGE number	Vendor similar PIN <u>2</u> /
5962-9205401HXA 5962-9205401HXA 5962-9205401HXA 5962-9205401HXA 5962-9205401HXC 5962-9205401HXC 5962-9205401HXC 5962-9205401HXC 5962-9205401HXC	S7631 19645 S7631 19645 S7631 19645 S7631 19645	SDC-14612II-152 SDC-14612II-152 SDC-14612II-142 SDC-14612II-142 SDC-14612II-132 SDC-14612II-132 SDC-14612II-112 SDC-14612II-112
5962-9205402HXA 5962-9205402HXA 5962-9205402HXA 5962-9205402HXA 5962-9205402HXC 5962-9205402HXC 5962-9205402HXC 5962-9205402HXC 5962-9205402HXC	S7631 19645 S7631 19645 S7631 19645 S7631 19645	SDC-14612IIT-152 SDC-14612IIT-152 SDC-14612IIT-142 SDC-14612IIT-142 SDC-14612IIT-132 SDC-14612IIT-132 SDC-14612IIT-112 SDC-14612IIT-112
5962-9205403HXA 5962-9205403HXA 5962-9205403HXA 5962-9205403HXA 5962-9205403HXC 5962-9205403HXC 5962-9205403HXC 5962-9205403HXC	S7631 19645 S7631 19645 S7631 19645 S7631 19645	SDC-14614II-152 SDC-14614II-152 SDC-14614II-142 SDC-14614II-142 SDC-14614II-132 SDC-14614II-132 SDC-14614II-112 SDC-14614II-112
5962-9205404HXA 5962-9205404HXA 5962-9205404HXA 5962-9205404HXA 5962-9205404HXC 5962-9205404HXC 5962-9205404HXC 5962-9205404HXC 5962-9205404HXC	S7631 19645 S7631 19645 S7631 19645 S7631 19645	SDC-14614IIT-152 SDC-14614IIT-152 SDC-14614IIT-142 SDC-14614IIT-142 SDC-14614IIT-132 SDC-14614IIT-132 SDC-14614IIT-112 SDC-14614IIT-112
5962-9205405HXA 5962-9205405HXA 5962-9205405HXA 5962-9205405HXA 5962-9205405HXC 5962-9205405HXC 5962-9205405HXC 5962-9205405HXC 5962-9205405HXC	S7631 19645 S7631 19645 S7631 19645 S7631 19645	SDC-14617II-152 SDC-14617II-152 SDC-14617II-142 SDC-14617II-142 SDC-14617II-132 SDC-14617II-132 SDC-14617II-132 SDC-14617II-112

See footnotes at end of table.

STANDARD MICROCIRCUIT DRAWING BULLETIN - Continued.

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Standard microcircuit drawing PIN <u>1</u> /	Vendor CAGE number	Vendor similar PIN <u>2</u> /
5962-9205406HXA 5962-9205406HXA 5962-9205406HXA 5962-9205406HXA 5962-9205406HXC 5962-9205406HXC 5962-9205406HXC 5962-9205406HXC 5962-9205406HXC	S7631 19645 S7631 19645 S7631 19645 S7631 19645	SDC-14617IIT-152 SDC-14617IIT-152 SDC-14617IIT-142 SDC-14617IIT-142 SDC-14617IIT-132 SDC-14617IIT-132 SDC-14617IIT-112 SDC-14617IIT-112
5962-9205407HXA 5962-9205407HXA 5962-9205407HXA 5962-9205407HXA 5962-9205407HXC 5962-9205407HXC 5962-9205407HXC 5962-9205407HXC 5962-9205407HXC	S7631 19645 S7631 19645 S7631 19645 S7631 19645	SDC-14619II-152 SDC-14619II-152 SDC-14619II-142 SDC-14619II-142 SDC-14619II-132 SDC-14619II-132 SDC-14619II-112 SDC-14619II-112
5962-9205408HXA 5962-9205408HXA 5962-9205408HXA 5962-9205408HXA 5962-9205408HXC 5962-9205408HXC 5962-9205408HXC 5962-9205408HXC 5962-9205408HXC	S7631 19645 S7631 19645 S7631 19645 S7631 196459	SDC-14619IIT-152 SDC-14619IIT-152 SDC-14619IIT-142 SDC-14619IIT-142 SDC-14619IIT-132 SDC-14619IIT-132 SDC-14619IIT-112 SDC-14619IIT-112
5962-9205409HXA 5962-9205409HXA 5962-9205409HXA 5962-9205409HXA 5962-9205409HXC 5962-9205409HXC 5962-9205409HXC 5962-9205409HXC 5962-9205409HXC	S7631 19645 S7631 19645 S7631 19645 S7631 19645	SDC-14617II-154 SDC-14617II-154 SDC-14617II-144 SDC-14617II-144 SDC-14617II-134 SDC-14617II-134 SDC-14617II-114 SDC-14617II-114
5962-9205410HXA 5962-9205410HXA 5962-9205410HXA 5962-9205410HXA 5962-9205410HXC 5962-9205410HXC 5962-9205410HXC 5962-9205410HXC 5962-9205410HXC	S7631 19645 S7631 19645 S7631 19645 S7631 19645	SDC-14617IIT-154 SDC-14617IIT-154 SDC-14617IIT-144 SDC-14617IIT-144 SDC-14617IIT-134 SDC-14617IIT-134 SDC-14617IIT-114 SDC-14617IIT-114
5962-9205411HXA 5962-9205411HXA 5962-9205411HXA 5962-9205411HXA 5962-9205411HXC 5962-9205411HXC 5962-9205411HXC 5962-9205411HXC 5962-9205411HXC	S7631 19645 S7631 19645 S7631 19645 S7631 19645	SDC-14619II-154 SDC-14619II-154 SDC-14619II-144 SDC-14619II-144 SDC-14619II-134 SDC-14619II-134 SDC-14619II-114 SDC-14619II-114

See footnotes at end of table.

STANDARD MICROCIRCUIT DRAWING BULLETIN - Continued.

DATE: 01-0	06-14	4
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Standard	Vendor	Vendor
microcircuit drawing	CAGE	similar
PIN <u>1</u> /	number	PIN <u>2</u> /
5962-9205412HXA 5962-9205412HXA 5962-9205412HXA 5962-9205412HXA 5962-9205412HXC 5962-9205412HXC 5962-9205412HXC 5962-9205412HXC 5962-9205412HXC	S7631 19645 S7631 19645 S7631 19645 S7631 19645	SDC-14619IIT-154 SDC-14619IIT-154 SDC-14619IIT-144 SDC-14619IIT-144 SDC-14619IIT-134 SDC-14619IIT-134 SDC-14619IIT-114 SDC-14619IIT-114

- 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.
- availability.
 <u>2</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.

Vendor CAGE <u>number</u>

S7631

19645

DDC Ireland, LTD. Cork Business & Technology Park Model Farm Road Cork, Ireland

Vendor name

and address

Data Device Corporation 105 Wilbur Place Bohemia, NY 11716-2482

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