NOTICE OF REVISION (NOR) (Sam Mil-10-400 for instructions) This revision described call on real seem allocations in the opening of this collection is estimated to average 1 hour per response. Including the time for reviewing instructions, searching existing peaks in goal and supplies the period of the collection in settimated to average 1 hour per response. Including the time for reviewing instructions, searching existing peaks applied and evidential time from the collection in the first peaks are collected in the period of the collection of the collection in the collection in the collection of the collection in the collection in the collection of the collection in the collection of th		. <u> </u>		
Rabit resorting burear for this collection is estimated to surged it your set response, including the time for reviewing instructions assuring entering pass suppress, askering man reviewing the instructions askering askering pass as submitted and resolution of information. Send comments regarding this burear tenthing are any consequence of the time and reviewing the information including suppressions for resulting this burear that surges in the property of t	(See MIL-STD-4	80 for instructions)		
Defense Electronics Supply Center Dayton. Onto 45444-5277 4. CAGE CODE 5. DOCUMENT No. 97258 78023 5. IIILE OF DOCUMENT Microcircuit, linear, quad differential line driver, monolithics silicon. 9. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES ALL 10. DESCRIPTION OF REVISION Sheet 1: Raylsions litr column; add "Changes in accordance with NOR 5982-R082-92". Revisions description column; add "Changes in accordance with NOR 5982-R082-92". Revisions data column; add "Spill-22". Sheet 3: Section 1.3, Thermal resistance, Junction-To-Ambient, (9 ₃₄), Case outline 2. Change from 87 C/W. Case outline 2. Change from 87 C/W. CHECK ONE 1310 GOVERNMENT USE DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAN INCOMPRISH PRIVISED DOCUMENT TO: DANLIFACTURER MAN INCOMPRISH PRIVISED DOCUMENT TO: DATE OF CHANGE FOR GOVERNMENT COLUMN TO STRAIN FRANCISCO DATE THIS CHANGE. DACTIVITY AUTHORIZED TO APPROVE CHIEF CISTON COMPLETED (Signature) DESC-ECC PLACE COMPLISHING REVISION APPROVE CHIEF (Signature) DESC-ECC PLACE COMPLISHING REVISION APPROVE CHIEF (Signature) DATE (YMMOD) DESC-ECC PLACE COMPLISHING REVISION APPROVE SIGNATURE AND TITLE CASE COLUMN TO: DATE (YMMOD) DESC-ECC PLACE COLUMN TO STRAIN TO STRAI	Public reporting burden for this colli- instructions, searching existing data collection of information. Send comminformation, including suggestions for Operations and Reports, 1215 Jefferso	action is estimated to average 1 hour p sources, gathering and maintaining the ents regarding this burden estimate or reducing this burden, to Washington H n Davis Highway, Suite 1204, Arlington,	data needed, and completing any other aspect of this coll eadquarters Services, Sirecto VA 22202-4302, and to the O	and reviewing the lection of prate for Information
A. CAGE CODE S. DOCUMENT NO. 87288 78023 6. ILITLE OF DOCUMENT Microcircuit, linear, quad differential line driver, monolithics silicon. 9. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES ALL 10. DESCRIPTION OF REVISION Sheet 1: Revisions litr column: add "L" Revisions description column: add "Changes in accordance with NOR SOBE-ROBE-92". Revisions description column: add "Sili-22". Sheet 3: Section 1.3, Thermal resistance, Junction-To-Ambient, (9 ₃₄), Case outline 2. Change from 87 g/w to : 130 G/w. 11. THIS SECTION FOR GOVERNMENT USE DNLY CHECK ONE AND ACTIVITY AUTHORIZED TO APPROVE CHANGE FROM THIS CHANGE. PARTISION DOCUMENT SUPPLEMENTED FOR GOVERNMENT TO: AND ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT DESC-ECC 12. ACTIVITY AUTHORIZED TO APPROVE CHIEF CHANGE SIGnature) DESC-ECC DESC-ECC 13. THE OF THIS CHANGE. REVISION SHEET TO: AND ACTIVITY AUTHORIZED TO APPROVE CHIEF CHANGE FOR GOVERNMENT DESC-ECC DESC-ECC 14. CAGE CODE 5. DOCUMENT NO. 8. ECP NO. 15. REVISION LETTER ((Urrent) C. REWIND (Urrent) C. REVISION DETTER (Uurrent) C. REWIND 10. ECP NO. 11. THIS SECTION FOR GOVERNMENT USE DNLY 12. CHECK ONE ALL MAKE ABOVE REVISION AND FUNCTION OF MASTER DOCUMENT TO: DATE (YMMOD) 91-11-22 11. THIS SECTION FOR GOVERNMENT TO: DATE (YMMOD) 11. THIS SECTION FOR GOVERNMENT TO: DESC-ECC DESCRIPTION OF THE TOR TO THE TOR TO THE TORS TO THE TO	1. ORIGINATOR NAME AND ADDRESS		2. CAGE CODE	3. NOR NO.
4. CASE CODE 5. DOCUMENT NO. 6. TITLE OF DOCUMENT Microcircuit, linear, quad differential line driver, monolithics silicon, 9. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES ALL 10. DESCRIPTION OF REVISION Sheet 1: Revisions itr column; add "L" Revisions date oclumn; add "Changes in accordance with NOR SSG-NOC2-92". Revisions date oclumn; add "3:-11-22". Sheet 3: Section 1.3. Thermal resistance, Junction-To-Ambient, (9,a). Case outline 2. Change from: 87 C/W 10.: 130 C/W. 11. THIS SECTION FOR GOVERNMENT USE ONLY Case Outline 2. Change from: 87 C/W AND STATION DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE. B. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT DESC-ECC 12. ACTIVITY AUCOMPLISHING REVISION DESC-ECC 13. DOCUMENT NO. 14. CASE CODE 57238 7. REVISION LETTER (Currant) < (New) 7. REVISION LETTER (Currant)	Defense Electronics Supply Center		67268	5962-R062-92
5. TITLE OF DOCUMENT Microcircuit, linear, quad differential line driver, monolithics silicon. 9. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES ALL 10. DESCRIPTION OF REVISION Sheet 1: Revisions itr column; add "L" Revisions description column; add "Changes in accordance with NOS 5982-NOS-22". Revisions data column; add "31-11-22". Sheet 3: Section 1.3. Thermal resistance, Junction-To-Ambient. (9_3,). Case outline 2. Change from: 87 C/W. Case outline 2. Change from: 87 C/W. 11. THIS SECTION FOR GOVERNMENT USE ONLY EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE OF THIS NOR MAY BE USED IN MANUFACTURE THIS CHANGE D. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT TO: DESC-ECC 12. ACTIVITY ACCOMPLISHING REVISION DESC-ECC 13. CONTROL OF THE MICROELECTRONICS BRANCH DESC-ECC 14. ACTIVITY ACCOMPLISHING REVISION DESC-ECC 15. TITLE OF THE MICROELECTRONICS BRANCH DATE (YYMMOD) DESC-ECC 91-11-22	Dayton, Ohio 45444-5277		4. CAGE CODE	5. DOCUMENT NO.
Microcircuit, linear, quad differential line griver. (Current) (New) 9. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES ALL 10. DESCRIPTION OF REVISION Sheet 1: Revisions ltr column; add "Changes in accordance with NOR 5982-R062-92". Revisions data column; add "91-11-22". Sheet 3: Section 1.3, Thermal resistance, Junction-To-Ambient, (9 ₃₄), Case outline 2. Change from: 67 C/W to : 130 C/W. 11. THIS SECTION FOR GOVERNMENT USE ONLY AND CASE OUTLINE 2. Change from: 67 C/W to : 130 C/W. 12. CHECK ONE BY THIS NOR MAY BE USED IN MANUFACTURER BY THIS NOR MAY BE USED IN MAY INCORPORATE THIS CHANGE. b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT DESC-ECC 12. ACTIVITY ACCOMPLISHING REVISION REVISION COMPLETED (Signature) DATE (YYMMOD) 91-11-22 DATE (YYMMOD) 91-11-22			67268	78023
9. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES ALL 10. DESCRIPTION OF REVISION Sheet 1: Revisions description column; add "Changes in accordance with NG 5962-NG2-92" Revisions description column; add "S1-11-22". Sheet 3: Section 1.3, Thermal resistance, Junction-To-Ambient, (9 _{JA}), Case outline 2, Change from: 87 C/W. 11. THIS SECTION FOR GOVERNMENT USE ONLY 12. CHECK ONE EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR NAVE BUSED IN MANUFACTURE RECEIVED BEFORE MANUFACTURES SY THIS NOR NAVE SUSED IN MANUFACTURE RECEIVED BEFORE MANUFACTURE SY THIS NOR NAVE BUSED IN MANUFACTURE RECEIVED BEFORE MANUFACTURE SHALL MAKE ABOVE REVISION AND MANUFACTURE CHANGE FOR GOVERNMENT DESC-ECC 12. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT DESC-ECC 12. ACTIVITY ACCOMPLISHING REVISION REVISION COMPLETED (Signature) PLACE OF THE STATE			7. REVISION LETTER	
9. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES ALL 10. DESCRIPTION OF REVISION Sheet 1: Revisions ltr column; add "Changes in accordance with NOR 5982-R062-92". Revisions date column; add "91-11-22". Sheet 3: Section 1.3, Thermal resistance, Junction-To-Ambient, (9 ₃₄), Case outline 2. Change from: 67 C/W to :: 130 C/W. 11. THIS SECTION FOR GOVERNMENT USE ONLY AND CASE OUTLINE 2. Change from: 67 C/W to :: 130 C/W. 12. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT DESC-ECC 12. ACTIVITY ACCOMPLISHING REVISION REVISION COMPLETED (Signature) JATE (YYMMOD) 91-11-22 DATE (YYMMOD) 91-11-22		differential line driver,	(Current) K	(New)
All 10. DESCRIPTION OF REVISION Sheet 1: Revisions ltr column; add "L" Revisions description column; add "Changes in accordance with NOR 5862-082-92". Rexisions date column; add "91-11-22". Sheet 3: Section 1.3. Thermal resistance, Junction-To-Ambient, (03x), Case outline 2. Change from: 87 (7/W. Case outline 2. Change from: 87 (7/W. CHECK ONE TYTHIS NOR MAY BE USED IN NAMUFACTURE. D. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT DESC-ECC 12. ACTIVITY ACCOMPLISHING REVISION DESC-ECC REVISION COMPLETED (Signature) DESC-ECC 13. ACTIVITY ACCOMPLISHING REVISION DESC-ECC 14. ACTIVITY ACCOMPLISHING REVISION DESC-ECC 15. ACTIVITY ACCOMPLISHING REVISION DESC-ECC 16. ACTIVITY ACCOMPLISHING REVISION DESC-ECC 17. ACTIVITY ACCOMPLISHING REVISION REVISION COMPLETED (Signature) DESC-ECC 18. ACTIVITY ACCOMPLISHING REVISION DESC-ECC 19. ACTIVITY ACCOMPLISHING REVISION DESC-ECC 10. ACTIVITY ACCOMPLISHING REVISION DESC-ECC 10. ACTIVITY ACCOMPLISHING REVISION DESC-ECC 10. DESC-ECC 11. ACTIVITY ACCOMPLISHING REVISION DESC-ECC 12. ACTIVITY ACCOMPLISHING REVISION DESC-ECC 12. ACTIVITY ACCOMPLISHING REVISION DESC-ECC 13. ACTIVITY ACCOMPLISHING REVISION DESC-ECC 14. ACTIVITY ACCOMPLISHING REVISION DESC-ECC 15. ACTIVITY ACCOMPLISHING REVISION DESC-ECC 16. ACTIVITY ACCOMPLISHING REVISION DESC-ECC 17. ACTIVITY ACCOMPLISHING REVISION DESC-ECC 18. ACTIVITY ACCOMPLISHING REVISION DESC-ECC 19. ACTIVITY ACCOMPLISHING REVISION DESC-ECC 10. ACTIVITY ACCOMPLISHING REVI	Dala	Snee		Пр
Sheet 1: Revisions ltr column: add "L" Revisions description column: add "Changes in accordance with NOR 3962-R062-92". Revisions description column: add "Granges in accordance with NOR 3962-R062-92". Sheet 3: Section 1.3, Thermal resistance, Junction-To-Ambient, (9 _{3A}). Case outline 2. Change from: 67 C/W to : 130 C/W. CHECK ONE Proper Column: Stand Column: Add "Granges in accordance with NOR 3962-R062-92". CHECK ONE Proper Column: Stand Column: Add "Granges in accordance with NOR 3942-R062-92". CHECK ONE Proper Column: Stand Column: Add	9. CONFIGURATION ITEM (OR SYSTEM) TO	WHICH ECP APPLIES		
Sheet 1: Revisions ltr column: add "L" Revisions description column; add "Changes in accordance with NOR 5962-R962-92". Sheet 3: Section 1.3, Thermal resistance, Junction-To-Ambient, (9 _{3A}), Case dutline 2. Change from: 67 C/W to : 130 C/W. 11. THIS SECTION FOR GOVERNMENT USE ONLY CHECK ONE SYSTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE, MAY INCORPORATE THIS CHANGE. B. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT DESC-ECC 12. ACTIVITY ACCOMPLISHING REVISION DESC-ECC 13. Revisions add "91-11-22". Sheet 3: Section 1.3, Thermal resistance, Junction-To-Ambient, (9 _{3A}), Case dutline 2. Change from: 67 C/W to : 130 C/W. [] CLECK ONE RECEIVED BEFORE HANUFACTURER MAY INCORPORATE THIS CHANGE. [] CUSTODIAN OF MASTER DOCUMENT SHALL MAKE ABOVE REVISION AND FUNNISH REVISION AND FUNNISH REVISION DATE (YYMMOD) 91-11-22 91-11-22	ALL			
Revisions description column; add "Changes in accordance with NOR 5982-RoSc2-92". Rexisions date column; add "91-11-22". Sheet 3: Section 1.3. Thermal resistance, Junction-To-Ambient, (9 ₃₄), Case outline 2. Change from: 87' C/W. 11. THIS SECTION FOR GOVERNMENT USE ONLY CHECK ONE EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR NAY BE USED IN MANUFACTURE. MANUFACTURE. 12. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT DESC-ECC 12. ACTIVITY ACCOMPLISHING REVISION DESC-ECC 13. THE SECTION FOR GOVERNMENT USE ONLY [] CUSTODIAN OF MASTER DOCUMENT SMALL MAKE ABOVE REVISION AND FURNISH REVISED DOCUMENT THIS CHANGE. FURNISH REVISED DOCUMENT TO: OATE (YYMMOD) 91-11-22 91-11-22	10. DESCRIPTION OF REVISION			
CHECK ONE EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN MANUFACTURE. B. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT DESC-ECC 12. ACTIVITY ACCOMPLISHING REVISION DESC-ECC 13. REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE. SIGNATURE AND TITLE CHIEF MICROELECTRONICS BRANCH DATE (YYMMOD) 91-11-22 DATE (YYMMOD) DATE (YYMMOD) 14. FURNISH REVISION DATE (YYMMOD) 15. DATE (YYMMOD) 16. DATE (YYMMOD) 17. DATE (YYMMOD) 17. DATE (YYMMOD) 18. DATE (YYMMOD) 19. DATE (YYMMOD)	Revisions description co NOR 5962-R062-92". Revisions data column; a Sheet 3: Section 1.3, Thermal res Case outline 2, Change f	lumn; add "Changes in accordance with dd "91-11-22". istance, Junction-To-Ambient, (03A), rom: 87 C/W		
I REVISED DOCUMENT MUST BE RECEIVED BEFORE MANUFACTURER MAY INCORPORATE THIS CHANGE. Custodian of Master Document Shall Make ABOVE REVISION AND FURNISH REVISED DOCUMENT TO: Description of Master Document Shall Make ABOVE REVISION AND FURNISH REVISED DOCUMENT TO:	11. THIS SECTION FOR GOVERNMENT USE	ONLY		
CHANGE FOR GOVERNMENT DESC-ECC CHIEF MICROELECTRONICS BRANCH 12. ACTIVITY ACCOMPLISHING REVISION REVISION COMPLETED (Signature) DATE (YYMHDD) DESC-ECC 91-11-22	X EXISTING DOCUMENT SUPPLEMENTED BY THIS NOR MAY BE USED IN	RECEIVED BEFORE MANUFACTURER	SHALL MAKE ABOVE REVISION	AND
DESC-ECC CHIEF MICROELECTRONICS BRANCH 12. ACTIVITY ACCOMPLISHING REVISION REVISION COMPLETED (Signature) DESC-ECC DATE (YYMMDD) 12. ACTIVITY ACCOMPLISHING REVISION REVISION COMPLETED (Signature) 12. ACTIVITY ACCOMPLISHING REVISION REV		SIGNATURE AND TITLE	1	
DESC-ECC Jeffrey Le notale 91-11-22	DESC-ECC	CHIEF MICROELECTRONICS BRANCH	31-11-66	
	DESC-ECC DD Form 1695, JUL 88			

MIL M 20510/70022

																						_	_		
	,									RE	VISI	ONS						_							
LTR							DESC	RIPT	TON								\perp	DATI	E (YR	MO-D	(A)	AF	PRO	WED	
G	Add	vend	or CA	GE 2	7014	. 0	hand	ge t	o SI	MD f	orma	at.					ļ	87-0	9-1	6	١	M	0.	بولاد	,
н	Add 672	vende	or CA	GE 0	4713	to	01F)	х.	Chai	nge	CAG	E co	de o	f S	MD	to		88-0	4-1	2		M.	Q.	Z	R
J	Add	vend	or CA	GE 1	8324										_			89-0	1-3	0		W.	0.	<u>.</u>	þ
K	one 1.4	devi part , tab figu	one le I,	part and	กนฑ	ber	form	mat.	Te	echr	nica	1 ch	ange	s t	:0 1	.3,		91-0	4-19)		,,,,,	W. C	2 1	f
L	C	HANG	és /A	A	CCOR	DAW	E DE	VAH	И	DR	54	62.	·Ro	6	2 -9	ンマ		91	-11	- 2	ー レ				
		ficat					a 3 3 E	3 0	anu	, ,		e	cyu						500						
CU	JRRE	ENT	CA	GE	EC	OE	Œ	67	26	8												-		1	
CU	JRRE	ENT	CA	(GE	E C	OE	ÞΕ	67	26	8	 							<i>-</i> -		 T			<u> </u>	ı T	_
		ENT	CA	(GE	c	OE	E	67	26	8									F						L
REV		NT	CA	GE	C	OE	E	67	26	8															Ę
REV SHEE REV	Ť	NT	CA	GE	C	OE	DE	67	26	8															
REV SHEE REV SHEE	Ť		CA	GE	C	OE K	ÞΕ	67	26 K	8 K	K	ĸ	K	K	K	К	К	K	K	K					
REV SHEET REV SHEET	T T										K 7			K			K								
REV SHEET REV SHEET REV S OF SH	T TATUS HEETS	i s	REV		K 1 PRE	K 2	К 3 В В В У	κ 4	K 5	К		K	K	K 0	K	K	к 13	K 14	K 15	16 S SU		CEN	TEA		
REV SHEET REV SHEET REV S OF SH	T TATUS HEETS N/A	s SARDI	HEET		K 1 PRE	К 2	К 3 В В В У	κ 4	K 5	K 6	7	K 8	K	K 0	K	K 12	к 13	K 14	K 15	16 S SU		CEN	TTEA		
REV SHEET REV SHEET REV S OF SH	T TATUS HEETS	s STARDIZ	HEET		K 1 PRE CHE	K 2	K 3 D BY	κ 4	K 5	K 6		K 8	к 9	K IO	K 11	K 12	K 13 ELEEDAY	K 14	K 15 OHI	K 16 S SU 0 45	444 AD H	IIGH	SPE	ED.	. I Ci
REV SHEET REV SHEET SHEET STATES THIS IF FOR US	T STATUS HEETS N/A ANDA MILI	ARDII TARY WINC	NEV HEET ZED	E	K 1 PRE CLA	K 2 PARE CKE	K 3 D BY	x 4 4	K 5	K 6	7	K 8	K 8 9 1	K IO	K 11	K 12	K 13 ELECTORY	K 14	K 15 OHICE COHI	K 16 S SU 0 45	AD H	IIGH IOL I	SPE THIC	ED.	

AMSC N/A DESC FORM 193-1 SEP 87

• U.S. GOVERNMENT PRINTING OFFICE: 1987 - 748-129/60912

OF

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

5962-E1840

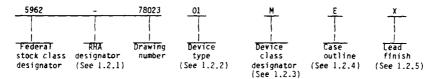
16

SHEET

1. SCOPE

1.1 Scope. This drawing forms a part of a one part – one part number documentation system (see 6.6 herein). Two product assurance classes consisting of military high reliability (device classes B, Q, and M) and space application (device classes S and V), and a choice of case outlines and lead finishes are available and are reflected in the Part or Identifying Number (PIN). Device class M microcircuits represent non-JAN class B microcircuits in accordance with 1.2.1 of MIL-STD-883, "Provisions for the use of MIL-STD-883 in conjunction with compliant non-JAN devices". When available, a choice of radiation hardness assurance (RHA) 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. Device classes M, B, and S RHA marked devices shall meet the MIL-M-38510 specified RHA levels and shall be marked with the appropriate RHA designator. Device classes Q and Y RHA marked devices shall meet the MIL-I-38535 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) shall identify the circuit function as follows:

Device type	Generic number	Circuit function
01	26LS31	Quad, high speed, differential line driver
02	26F31	Quad, high speed, differential line driver

1.2.3 Device class designator. The device class designator shall be a single letter identifying the product assurance level as follows:

Device class	Device requirements documentation
М	Vendor self-certification to the requirements for non-JAN class B microcircuits in accordance with 1.2.1 of MIL-STD-883
B or S	Certification and qualification to MIL-M-38510
Q or V	Certification and qualification to MIL-I-38535

1.2.4 Case outline(s). For device classes M, B, and S, case outline(s) shall meet the requirements in appendix C of MIL-M-38510 and as listed below. For device classes Q and V, case outline(s) shall meet the requirements of MIL-1-38535, appendix C of MIL-M-38510, and as listed

Outline letter	<u>Case outline</u>
E F	D-2 {16-lead, .840" X .310" X .200"), dual-in-line package F-5 (16-lead, .440" X .285" X .085"), flat-package
2	C-2 (20-terminal, .358" X .358" X .100"), square chip carrier package

STANDARDIZED MILITARY DRAWING	SIZE A		78023
DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OHIO 45444		REVISION LEVEL	SHEET 2

DESC FORM 193A

. U. B. GOVERNMENT PRINTING OFFICE 1990-549-240

1.2.5 Lead finish. The lead finish sh or MIL-I-38535 for classes Q and V. Fini its packaging. The "X" designation is fo Considered acceptable and interchangeable	r use in s	pecit:	cations	MIL-M-3851 be marked when lead	O for classes on the microc finishes A, E	M, B, and S frcuit or B, and C are
1.3 Absolute maximum ratings. 1/						
Power supply and input voltage Output voltage	onds) e (θ _{JC}) fent (θ _{JA})			100°C/W 142°C/W		
1.4 Recommended operating conditions.				130 0		
Supply voltage range (Y_{CC}) Minimum high-level input voltage (Y_{CC}) - Ambient operating temperature range	Γ) IH)			4.5 V dc 2.0 V dc 0.8 V dc -55°C to	to 5.5 V dc +125°C	
2. APPLICABLE DOCUMENTS						
2.1 Government specifications, standar the following specifications, standards, the Department of Defense Index of Specifications apart of this drawing to the extent specific specifications.	bulletin, ications a	and h	ndbook d	of the iss	ue listed in i	that issue of
SPECIFICATIONS						
MITITARY						
	uits, Gene d Circuits				l Specificatio	on for.
STANDARDS						
MILITARY						
	tion Contr ods and Pr				Deviations a	nd Waivers.
BULLETIN						
MILITARY						
MIL-BUL-103 - List of S	tandardize	d Mil	itary Dr	awings (SM	D's).	
1/ Stresses above the absolute maximum operation at the maximum levels may						ce. Extended
$\underline{2}$ / Must withstand the added PD due to	short circ	uit t	est; e.g	., I _{OS} .		
STANDARDIZED MILITARY DRAWING	SIZE A	-			78023	
DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OHIO 45444			REVISION	K K	SHEET	3
DESC FORM 193A SEP 87				• U. S. GOVE	RNMENT PRINTING	OFFICE 1990-849-249

HAND800K

MILITARY

MIL-HDBK-780 - Standardized Military Drawings.

(Copies of the specifications, standards, bulletin, and handbook required by manufacturers in connection with specific acquisition functions should be obtained from the contracting activity or as directed by the contracting activity.)

- 2.2 Order of precedence. In the event of a conflict between the text of this drawing and the references cited herein, the text of this drawing shall take precedence.
 - 3. REQUIREMENTS
- 3.1 Item requirements. The individual item requirements for device class M shall be in accordance with I.2.1 of MIL-STD-883, "Provisions for the use of MIL-STD-883 in conjunction with compliant non-JAN devices" and as specified herein. The individual item requirements for device classes B and S shall be in accordance with MIL-M-38510 and as specified herein. This is a full military detail specification and is suitable for qualification of device classes B and S to the requirements of MIL-M-38510. The individual item requirements for device classes Q and Y shall be in accordance with MIL-I-38535, the device manufacturer's Quality Management (QM) plan, and as specified herein.
- 3.2 Design, construction, and physical dimensions. The design, construction, and physical dimensions shall be as specified in MIL-M-38510 for device classes M, B, and S and MIL-I-38535 for device classes O and V and herein.
 - 3.2.1 Case outline(s). The case outline(s) shall be in accordance with 1.2.4 herein.
 - 3.2.2 Terminal connections. The terminal connections shall be as specified on figure 1.
 - 3.2.3 Block or logic diagram. The block or logic diagram shall be as specified on figure 2.
- 3.2.4 Test circuit and switching waveforms. The test circuit and switching waveforms shall be as specified on figure 3.
- 3.3 Electrical performance characteristics and postirradiation parameter limits. Unless otherwise specified herein, the electrical performance characteristics and postirradiation parameter limits are as specified in table I and shall apply over the full ambient operating temperature range.
- 3.4 Electrical test requirements. The electrical test requirements shall be the subgroups specified in table IIA. The electrical tests for each subgroup are defined in table I.
- 3.5 Marking. The part shall be marked with the PIN listed in 1.2 herein. Marking for device class M shall be in accordance with MIL-STD-883 (see 3.1 herein). In addition, the manufacturer's PIN may also be marked as listed in MIL-BUL-103. Marking for device classes B and S shall be in accordance with MIL-M-38510. Marking for device classes Q and V shall be in accordance with MIL-I-38535.
- 3.5.1 Certification/compliance mark. The compliance mark for device class M shall be a "C" as required in MIL-STD-883 (see 3.1 herein). The certification mark for device classes B and S shall be a "J" or "JAN" as required in MIL-M-38510. The certification mark for device classes Q and Y shall be a "QML" as required in MIL-1-38535.

STANDARDIZED MILITARY DRAWING	SIZE A		78023		_
DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OHIO 45444		REVISION LEVEL	SHEET	. 4	

DESC FORM 193A SEP 87

. U. S. GOVERNMENT PRINTING OFFICE 1990-949-24

- 3.6 Certificate of compliance. For device class M a certificate of compliance shall be required from a manufacturer in order to be listed as an approved source of supply in MIL-BUL-103 (see 6.7.3 herein). For device classes Q and V a certificate of compliance shall be required from a QML-38535 listed manufacturer in order to supply to the requirements of this drawing (see 6.7.2 herein). The certificate of compliance submitted to DESC-ECS prior to listing as an approved source of supply for this drawing shall affirm that the manufacturer's product meets, for device class M the requirements of MIL-ID-883 (see 3.1 herein), or for device classes Q and V, the requirements of MIL-I-38535 and the requirements herein.
- 3.7 Certificate of conformance. A certificate of conformance as required for device class M in MIL-SID-883 (see 3.1 herein) or device classes B and S in MIL-M-38510 or for device classes Q and V in MIL-I-38535 shall be provided with each lot of microcircuits delivered to this drawing.
- 3.8 Notification of change for device class M. For device class M notification to DESC-ECS of change of product (see 6.2 herein) involving devices acquired to this drawing is required for any change as defined in MIL-STD-480.
- 3.9 <u>Verification and review for device class M.</u> For device class M, DESC, DESC's agent, and the acquiring activity retain the option to review the manufacturer's facility and applicable required documentation. Offshore documentation shall be made available onshore at the option of the reviewer.
- 3.10 <u>Microcircuit group assignment for device classes M, B, and S.</u> Device classes M, B, or S devices covered by this drawing shall be in microcircuit group number 53 (see MIL-M-38510, appendix E).
- 3.11 Serialization for device class S. All device class S devices shall be serialized in accordance with MIL-M-38510.
- 3.12 PIN supersession information. The PIN supersession information shall be as specified in the appendix.
 - 4. QUALITY ASSURANCE PROVISIONS
- 4.1 <u>Sampling and inspection</u>. For device class M, sampling and inspection procedures shall be in accordance with section 4 of MIL-M-38510 to the extent specified in MIL-STD-883 (see 3.1 herein). For device classes B and S, sampling and inspection procedures shall be in accordance with MIL-M-38510 and method 5005 of MIL-STD-883, except as modified herein. For device classes Q and V, sampling and inspection procedures shall be in accordance with MIL-I-38535 and the device manufacturer's QM plan.
- 4.2 Screening. For device class M, screening shall be in accordance with method 5004 of MIL-STD-883, and shall be conducted on all devices prior to quality conformance inspection. For device classes B and S, screening shall be in accordance with method 5004 of MIL-STD-883, and shall be conducted on all devices prior to qualiffication and quality conformance inspection. For device classes 0 and V, screening shall be in accordance with MIL-I-38535, and shall be conducted on all devices prior to qualification and technology conformance inspection.

STANDARDIZED MILITARY DRAWING	SIZE A		78023	
DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OHIO 45444		REVISION LEVEL	 SHEET	5

. U. S. GOVERNMENT PRINTING OFFICE 1990-549-249

DESC FORM 193A

DESC	FORM	193A
SEP	87	

· U. S. GOVERNMENT PRINTING OFFICE 1990-949-248

DESC	FORM	193A
SEP	87	

. U. S. GOVERNMENT PRINTING OFFICE 1990-949-249

 $\frac{1}{2}$ / $\frac{1}{1}$ and $\frac{1}{1}$ tests are not required and shall be applied as forcing functions for the $\frac{1}{1}$ / $\frac{1}{1}$ / "" not tested. The limits specified for the input low current represents the numerical range !" which this parameter will pass:

Vevice type 01: -0.36 to -0.10 Vevice type 02: -0.20 to +0.10

No more than one output should be shorted at one time, and the duration of the short circuit 'undition should not exceed 1 second.

 $V_{1/4} = 1.3 \text{ V to } V_{0} = 1.3 \text{ V. } V_{0/4} \text{ SE} = 0 \text{ V to } *3.0 \text{ V.}$ This parameter is guaranteed by Correlation to the testing at $C_{1} = 50 \text{ pF.}$

- 4.2.1 Additional criteria for device classes M. B. and S.
 - 4. Burn-in test, method 1015 of MIL-STD-883.
 - (1) Test condition A, B, C, on D. For device class M, the test circuit shall be submitted to DESC-ECS for review with the certificate of compliance. For device classes B and S, the test circuit shall be submitted to the qualifying activity.
 - (2) TA = -125°C, minimum.
 - b. Interim and final electrical test parameters shall be as specified in table IIA herein.
- 4.2.2 Additional criteria for device classes 0 and V.
 - The burn-in test duration, test condition and test temperature or approved alternatives shall be as specified in the device manufacturer's QM plan in accordance with MIL-I-38535. The burn-in test circuit shall be submitted to DESC-ECS with the certificate of compliance and shall be under the control of the device manufacturer's Technology Review Board (TRB) In accordance with MIL-I-38535.
 - b. Interim and final electrical test parameters shall be as specified in table IIA herein.

STANDARDIZED MILITARY DRAWING	SIZE A		;	78023	
DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OHIO 45444		REVISION LEVEL	L	SHEET 8	

DESC FORM 193A



- c. Additional screening for device class V beyond the requirements of device class Q shall be as specified in appendix B of MIL-I-38535 and as detailed in table IIB herein.
- 4.3 Qualification inspection.
- 4.3.1 Qualification inspection for device classes B and S. Qualification inspection for device classes B and S shall be in accordance with MIL-M-38510. Inspections to be performed shall be those specified in method 5005 of MIL-STD-883 and herein for groups A. B. C. D. and E inspections (see 4.4.1 through 4.4.5).
- 4.3.2 Qualification inspection for device classes Q and V. Qualification inspection for device classes Q and V shall be in accordance with MIL-I-38535. Inspections to be performed shall be those specified in MIL-I-38535 and herein for groups A, B, C, D, and E inspections (see 4.4.1 through 4.4.5).
- 4.4 Conformance inspection. Quality conformance inspection for device class M shall be in accordance with MIL-SID-883 (see 3.1 herein) and as specified herein. Quality conformance inspection for device classes B and S shall be in accordance with MIL-M-38510 and as specified herein. Inspections to be performed for device classes M, B, and S shall be those specified in method 5005 of MIL-STD-883 and herein for groups A, B, C, D, and E inspections (see 4.4.1 through 4.4.5). Technology conformance inspection for classes Q and Y shall be in accordance with MIL-I-38535 including groups A, B, C, D, and E inspections and as specified herein except where option 2 of MIL-I-38535 permits alternate in-line control testing.
 - 4.4.1 Group A inspection. Tests shall be as specified in table IIA herein.
- 4.4.2 Group B inspection. The group B inspection end-point electrical parameters shall be as specified in table IIA herein.
- 4.4.3 Group C inspection. End-point electrical parameters shall be as specified in table IIA
- 4.4.3.1 Additional criteria for device classes M, B, and S. Steady-state life test conditions, method 1005 of MIL-STD-883.
 - a. Test condition A, B, C or D. For device class M, the test circuit shall be submitted to DESC-ECS for review with the certificate of compliance. For device classes B and S, the test circuit shall be submitted to the qualifying activity.
 - b. $T_A = +125$ °C, minimum.
 - c. Test duration: 1,000 hours, except as permitted by method 1005 of MIL-STD-883.
- 4.4.3.2 Additional criteria for device classes 0 and V. The steady-state life test duration, test condition and test temperature or approved alternatives shall be as specified in the device manufacturer's QM plan in accordance with MIL-I-38535. The steady-state life test circuit shall be submitted to DESC-ECS with the certificate of compliance and shall be under the control of the device manufacturer's TRB in accordance with MIL-I-38535.
- 4.4.4 Group D inspection. The group D inspection end-point electrical parameters shall be as specified in table IIA herein.

					_	
STANDARDIZED MILITARY DRAWING	SIZE A			78023		
DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OHIO 45444		REVISA	ON LEVEL K		SHEET	9

. U. S. GOVERNMENT PRINTING OFFICE 1990-549-146

DESC FORM 193A SEP 87

	UT B		OUTPUT C				
OUT PU1 OUT PU1	_ ∧		ENABLE OUTPUT C-	_			
OUTPUT ENA	BLE	\mathcal{X}	OUTPUT D-				
OUTPUT	\	7 4	INPUT D				
INP	UT A		∃ vcc				
FIGURE 1. <u>Terminal connections</u> . Case outlines E and F							
N/C =	No internal	connection	!!				
 - - - -	15 16 17 18 19 20	ENABLE N/C OUTPUT D- OUTPUT D+ INPUT D	INPUT D VCC				
	7 8 9 10 11 12 13		I INPUT B INPUT C INPUT C OUTPUT C+ OUTPUT C- ENABLE OUTPUT D- OUTPUT D+				
	1 2 3 4 5	N/C INPUT A OUTPUT A+ OUTPUT A- ENABLE N/C	INPUT A OUTPUT A+ OUTPUT A- ENABLE OUTPUT B- OUTPUT B+				
	rice type	1	nd 02				
 	se outlines_	?	E and F				

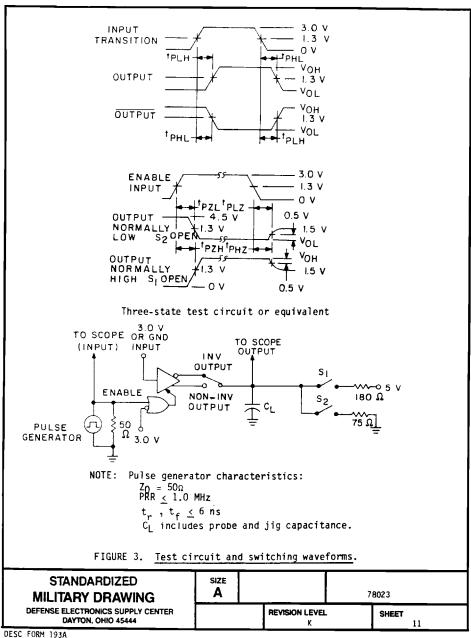


TABLE IIA.	Electrical	test requ	irements.			
Test requirements		Subgroups hod 5005,	(per MIL-	Subgroups (per MIL-I-38535, table III)		
	Device class M	Device class B	Device class S	Device class Q	Device class V	
Interim electrical parameters (see 4.2)	1	1	1	1	1	
Final electrical parameters (see 4.2)	1,2,3,9 1 <u>1</u> /	1,2,3,9	1,2,3,9	1,2,3,9 1/	1,2,3,9	
Group A test requirements (see 4.4)		11,2,3,9,		1,2,3,9,	1,2,3,9,	
Group B end-point electrical parameters (see 4.4)			1,2,3		1,2,3	
Group C end-point electrical parameters (see 4.4)	1,2,3	1,2,3		1,2,3]	
Group D end-point electrical parameters (see 4.4)	1,2,3	1,2,3	1,2,3	1,2,3	1,2,3	
Group E end-point electrical parameters (see 4.4)] 			 	

- 1/ PDA applies to subgroup 1.
- 7/ PDA applies to subgroup 1 and delta limits. Delta limits shall be in accordance with table IIC and shall be computed with reference to the previous interim electrical parameters.
- Subgroups 10 and 11, if not tested, shall be guaranteed to the specified limits in table I.
- 4.4.5 Group E inspection. Group E inspection is required only for parts intended to be marked as radiation hardness assured (see 3.5 herein). RHA levels for device classes B, S, Q, and V shall be M, D, R, and H and for device class M shall be M and D. RHA quality conformance inspection sample tests shall be performed at the RHA level specified in the acquisition document.
 - RHA tests for device classes B and S for levels M, D, R, and H or for device class M for levels M and D shall be performed through each level to determine at what levels the devices meet the RHA requirements. These RHA tests shall be performed for initial qualification and after design or process changes which may affect the RHA performance of the device.
 - b. End-point electrical parameters shall be as specified in table IIA herein.
 - c. Prior to total dose irradiation, each selected sample shall be assembled in its qualified package. It shall pass the specified group A electrical parameters in table I for subgroups specified in table IIA herein.

STANDARDIZED MILITARY DRAWING	SIZE A	78023				
DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OHIO 45444			REVISION LEVEL		SHEET	

. U. S. GOVERNMENT PRINTING OFFICE 1990-549-249

- d. For device classes M, B, and S, the devices shall be subjected to radiation hardness assured tests as specified in MIL-M-38510 for RHA level being tested, and meet the postirradiation end-point electrical parameter limits as defined in table I at $T_A = +25^{\circ}C \pm 5$ percent, after exposure.
- e. Prior to and during total dose irradiation testing, the devices shall be biased to establish a worst case condition as specified in the radiation exposure circuit.
- f. For device classes M, B, and S, subgroups 1 and 2 in table V, method 5005 of MIL-STD-883 shall be tested as appropriate for device construction.
- g. When specified in the purchase order or contract, a copy of the RHA delta limits shall be supplied.

TABLE IIB. Additional screening for device class V.

 Test	MIL-STD-883, test method	Lot requirement
 Particle impact noise detection	2020	 100%
 Internal visual 	2010, condition A or approved alternate	 100%
 Nondestructive bond pull	2023 or approved alternate	 100%
 Reverse bias burn-in 	1015	100%
 Burn-in 	1015, total of 240 hours at +125°C	 100%
 Radiographic 	2012	100%

TABLE IIC. Delta limits at +25°C.

Parameter 1/	Device type	Limit
, ₄₀ н	All	<u><</u> 250 mV
V _{OL}	ATT	< 50 mV
1 _{CC}	All	<u><</u> 8 mA

These parameters shall be read and recorded at TA = +25°C before and after each burn-in and shall not change by more than the limits indicated. The delta rejects shall be included in the PDA calculation.

STANDARDIZED MILITARY DRAWING	SIZE A			78023	
DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OHIO 45444		REVISION LEVEL	•	SHEET	8

DESC FORM 193A SEP 87

. U. S. GOVERNMENT PRINTING OFFICE 1990-849-249

- 5. PACKAGING
- 5.1 Packaging requirements. The requirements for packaging shall be in accordance with MIL-M-38510 for device classes M, B, and S and MIL-I-38535 for device classes Q and V.
 - 6. NOTES
- 6.1 Intended use. Microcircuits conforming to this drawing are intended for use for Government microcircuit applications (original equipment), design applications, and logistics purposes.
- 6.1.1 Replaceability. Microcircuits covered by this drawing will replace the same generic device covered by a contractor-prepared specification or drawing.
 - 6.1.? Substitutability. Device classes B and Q devices will replace device class M devices.
- 6.2 <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-STD-481 using DD Form 1693, Engineering Change Proposal (Short Form).
- 6.3 Record of users. Military and industrial users shall inform Defense Electronics Supply Center when a system application requires configuration control and which SMD's are applicable to that system. DESC will maintain a record of users and this list will be used for coordination and distribution of changes to the drawings. Users of drawings covering microelectronic devices (FSC 5962) should contact DESC-ECS, telephone (513) 296-6022.
- 6.4 Comments. Comments on this drawing should be directed to DESC-ECS, Dayton, Ohio 45444, or telephone (513) 296-5375.
 - 6.5 Symbols, definitions, and functional descriptions.

GND	-	-	-	-	-	-	-	-	-	-	Ground zero voltage potential
Icc	-	-	-	-	-	-	-	-	-	-	Quiescent supply current.
IIL	-	-	-	-	-	-	-	-	-	-	Input current low.
ITH	-	-	-	-	-	-	-	-	-	-	Input current high.
Tc.	-	_	_	-	-	_	-	-	-	_	Case temperature.
TĂ	-	-	•	-	-	-	-	-	-	-	Ambient temperature.
V _{CC}	-	-	-	-	-	-	-	-	_	-	Positive supply voltage.
AIC	-	-	-	-	-	-	-	-	-	-	Input clamp voltage.

STANDARDIZED MILITARY DRAWING	SIZE A		78023		
DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OHIO 45444		REVISION LEVEL		SHEET	14

· U. S. GOVERNMENT PRINTING OFFICE 1886-549-248

6.6 One part - one part number system. The one part - one part number system described below has been developed to allow for transitions between identical generic devices covered by the four major microcircuit requirements documents (MIL-M-38510, MIL-H-38534, MIL-I-38535, and 1.2.1 of MIL-SID-883) without the necessity for the generation of unique PINs. The four military requirements documents represent different class levels, and previously when a device manufacturer upgraded military product from one class level to another, the benefits of the upgraded product were unavailable to the Original Equipment Manufacturer (OEM), that was contractually locked into the original unique PIN. By establishing a one part number system covering all four documents, the OEM can acquire to the highest class level available for a given generic device to meet system needs without modifying the original contract parts selection criteria.

Military documentation format	Example PIN under new system	Manufacturing source listing	Document listing
New MIL-M-38510 Military Detail Specifications (in the SMD format)	5962-XXXXXZZ(B or S)YY	QPL-38510 (Part 1 or 2)	MIL-BUL-103
New MIL-H-38534 Standardized Military Drawings	5962-XXXXXZZ(H or K)YY	QML-38534	MIL-BUL-103
New MIL-I-38535 Standardized Military Drawings	5962-XXXXXZZ(Q or V)YY	QML-38535	MIL-BUL-103
New 1.2.1 of MIL-STD-883 Standardized Military Drawings	5962-XXXXXZZ(M)YY	MIL-BUL-103	MIL-BUL-103

6.7 Sources of supply.

- 6.7.1 Sources of supply for device classes B and S are listed in QPL-38510.
- 6.7.2 Sources of supply for device classes Q and Y. Sources of supply for device classes Q and Y are listed in QML-38535. The vendors listed in QML-38535 have submitted a certificate of compliance (see 3.6 herein) to DESC-ECS and have agreed to this drawing.
- 6.7.3 Approved sources of supply for device class M. Approved sources of supply for class M are listed in MIL-BUL-103. The vendors listed in MIL-BUL-103 have agreed to this drawing and a certificate of compliance (see 3.6 herein) has been submitted to and accepted by DESC-ECS.

STANDARDIZED MILITARY DRAWING	SIZE A		78023	
DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OHIO 45444	-	REVISION LEVEL	SHEET 15	

DESC FORM 193A SEP 87

. U. S. GOVERNMENT PRINTING OFFICE 1999-548-245

APPENDIX

10. SCOPE

10.1 <u>Scope</u>. This appendix contains the PIN supersession information to support the one part-one part number system. For new system designs, after the date of this document the new PIN shall be used in lieu of the old PIN. For existing system designs prior to the date of this document the new PIN can be used in lieu of the old PIN. This is a mandatory part of the document. The information contained herein is intended for compliance. The PIN supersession data shall be as in 30.

- 20. APPLICABLE DOCUMENTS. This section is not applicable to this appendix.
- 30. SUPERSESSION DATA

New PIN	<u>01d PIN</u>
5962-7802301MEX 5962-7802301MEX	7802301EX 7802301EX
5962-7802301M2X	78023012X

STANDARDIZED MILITARY DRAWING	SIZE A			78023		
DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OHIO 45444			REVISION LEVEL	•	SHEET 16	

DESC FORM 193A SEP 87

. U. S. GOVERNMENT PRINTING OFFICE 1980-849-249



STANDARDIZED MILITARY DRAWING SOURCE APPROVAL BULLETIN

DATE: 91-04-19

Approved sources of supply for SMD 78023 are listed below for immediate acquisition only and shall be added to MIL-BUL-103 during the next revision. MIL-BUL-103 will be revised to include the addition or deletion of sources. The vendors listed below have agreed to this drawing and a certificate of compliance has been submitted to and accepted by DESC-ECS. This bulletin is superseded by the next dated revision of MIL-BUL-103.

 Standardized military drawing PIN	Vendor CAGE number	Vendor similar PIN <u>1</u> /
 5962-7802301MEX 	04713 18324 27014 34335	26LS31/BEAJC 26LS31/BEA 26LS31/BEA DS26LS31MJ/883 AM26LS31/BEA
 5962-7802301MFX 	04713 18324 27014 34335	26LS31/BFAJC 1 26LS31/BFA 1 26LS31/BFA 1 DS26LS31MW/883 1 AM26LS31/BFA 1
 5962-7802301M2X 	04713 18324 34335	26LS31M/B2AJC 1 26LS31/B2A 1 AM26LS31/B2A 1
5962-7802302MEX	27014	DS26F31MJ/883
 5962-7802302MFX 	27014	DS26F31MW/883
 5962~7802302M2X 	27014	DS26F31ME/883

 $[\]frac{1}{\text{acquisition.}} \begin{tabular}{ll} \hline Caution. Do not use this number for item \\ \hline acquisition. Items acquired to this number \\ \hline may not satisfy the performance requirements \\ of this drawing. \\ \hline \end{tabular}$

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

Vendor name and address		
and address		
Motorola, Incorporated 5005 E. McDowell Road Phoenix, AZ 85008		
Point of contact: 2100 E. Elliot Road Tempe, AZ 85284		
Signetics Corporation 1275 S. 800 East Street Orem. UT 84058		
Point of contact: 811 E. Arques Avenue Sunnyvale, CA 94086		
National Semiconductor 2900 Semiconductor Drive		
Santa Clara, CA 95051		
Advanced Micro Devices, Incorporated P.O. Box 3453 901 Thompson Place Sunnyvale, CA 94088		

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