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DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited. DESC FORM 193 MAY 86

1. SCOPE				
1.1 <u>Scope</u> . This drawing describes do 1.2.1 of MIL-STD-883, "Provisions for the devices".	evice requirement ne use of MIL-ST	nts for class B mi D-883 in conjunct	crocircuits in accordance with ion with compliant non-JAN	
1.2 Part number. The complete part i	number shall be	as shown in the f	ollowing example:	
5962-87522	01	<u> </u>	<u> </u>	
		1		
	ce type .2.1)	Case outline (1.2.2)	Lead finish per MIL-M-38510	
1.2.1 Device type. The device type s	shall identify t	he circuit functi	on as follows:	
Device type Generic r	number	Circuit function		
01 9622	2	Dual line receiv	er	
1.2.2 <u>Case outlines</u> . The case outlin ollows:	nes shall be as	designated in app	endix C of MIL-M-38510, and as	
Outline letter		<u>Case outli</u>	ne	
Ĉ	F-1 (14-) D-1 (14-)	ead, 1/4" x 1/4") ead, 1/4" x 3/4")	, flat package , dual-in-line package	
2	C-2 (20-t package	erminal, .350" x	.350"), square chip carrier	
1.3 Absolute maximum ratings.				
Negative supply voltage range Input voltage range Voltage applied to outputs for outp Enable voltage range Internal power dissipation (P _D) <u>1</u> / Case A	ut high state- onds) e ($\Theta_{\rm JC}$)	±15 V dc 0.5 V dc t 350 mW - 400 mW 65°C to +1 - 300°C - See MIL-M-3	o +13.2 V dc o +15 V dc	
1.4 <u>Recommended operating conditions</u> .	•			
Positive supply voltage, +V _{CC} Negative supply voltage, -V _{CC} Ambient operating temperature range	, (T _A) (+5.0 Y dc 10 Y dc 55°C to +1	25°C	
<u>1/ Rating applies to ambient temperat</u> 140°C/W for the flatpackage and 12	ure u p to 125°C 0°C /W for the D	. Above 125 [°] C am IP and CCP.	bient, derate linearly at	
			WG NO. 5962-87522	
MILITARY DRAWING	A	4933	030E-073EE	

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2. APPLICABLE DOCUMENTS

2.1 <u>Government specification and standard</u>. Unless otherwise specified, the following specification and standard, of the issue listed in that issue of the Department of Defense Index of Specifications and Standards specified in the solicitation, form a part of this drawing to the extent specified herein.

SPECIFICATION

MILITARY

MIL-M-38510 - Microcircuits, General Specification for.

STANDARD

MILITARY

MIL-STD-883 - Test Methods and Procedures for Microelectronics.

(Copies of the specification and standard 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 shall be 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" 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 and herein.

3.2.1 <u>Terminal connections and logic diagram</u>. The terminal connections shall be as specified on figure 1.

3.2.2 Case outlines. The case outlines shall be in accordance with 1.2.2 herein.

3.3 <u>Electrical performance characteristics</u>. Unless otherwise specified, the electrical performance characteristics are as specified in table I and apply over the full recommended ambient operating temperature range.

3.4 <u>Marking</u>. Marking shall be in accordance with MIL-STD-883 (see 3.1 herein). The part shall be marked with the part number listed in 1.2 herein. In addition, the manufacturer's part number may also be marked as listed in 6.4 herein.

3.5 <u>Certificate of compliance</u>. A certificate of compliance shall be required from a manufacturer in order to be listed as an approved source of supply in 6.4. The certificate of compliance submitted to DESC-ECS prior to listing as an approved source of supply shall state that the manufacturer's product meets the requirements of MIL-STD-883 (see 3.1 herein) and the requirements herein.

3.6 Certificate of conformance. A certificate as required in MIL-STD-883 (see 3.1 herein) shall be provided with each lot of microcircuits delivered to this drawing.

MILITARY DRAWING	SIZE	CODE IDENT. NO. 14933	DWG NO. 5962-87522
DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OHIO		REV	PAGE 3

.

Test	Symbol	1	Conditions 1/	I Chaup A	L1	nits	Unit
lest	Symbol 	-55 unless	Conditions $\frac{1}{2}$ $C \leq T_A \leq +125^{\circ}C$ otherwise specified	Group A subgroups 	Min	Max	
Output voltage low	V _{OL}	V+ = S3 = VpIFF = 2 EN = open	4.5 V, V- = -11 V, 2.0 V, I _{OL} = 12.4 mA, $\frac{2}{}$	1,2,3		0.4	V
Dutput voltage high	VOH	V+ = 4.5 S3 = 0 V,	V, V- = -9.0 V, VDIFF = 1.0 V	1	3.0		۷
		I _{OH} = -0.	2 mÅ, EN = open $2/$	2	2.9	1	٧
		 	-	3	 2.8 	 	٧
Output leakage current	ICEX	$V^+ = 4.5 V, V^- = -11 V,$ $S_3 = 0 V, V_{DIFF} = 1.0 V$ $V_0 = -12 V, EN = open$		1		100	μA
				2		200	·μA
<u></u>				3		50	μA
Output short circuit current	IOS	$ V_{\text{DIFF}} = 1$	V+ = 5.0 V, V- = -10 V, VDIFF = 1.0 V, Vo = S3 = 0 V, EN = open		-3.1	-1.4	mA
	<u> </u>		•	2,3	-3.1	-1.3	mA
nable input leakage current	I _R (EN)	V+ = S3 = I _N = open	4.5 V, V- = -11 V, , EN = 4.0 V	1	 	2.0	ι μΑ
		[[]	· · · · · · · · · · · · · · · · · · ·	2	 	5.0	μ Α
nable input forward current	IF(EN)	V+ = 5.5 V _I = open	V, V- = -9.0 V, , EN = S3 = 0 V	1,2,3	-1.5		mA I
Input forward current	(+IN)	$ V_T^+ = 0 V$	V, V- = -10 V, ', V _I - = GND,	1	 -2.1 	 	 mA
		EA = 53 =	open <u>1</u> /	2	-2.0 		mA
		 		3	 -2.3	 	i 1 mA
ee footnotes at end of table.							
. 				<u></u>			
MILITARY DRAWI		SIZE	CODE IDENT. NO. 1	DWG NO. 5962-	87522		
DEFENSE ELECTRONICS SUPPLY	CENTER		<u> </u>	PAG		4	

IABLE 1.	Electr	ical perform	ance cha	racteristics	- Continued			
Test	Symbol	-55°C	Condition $\leq T_A \leq T_A \leq T_A$	s <u>1</u> / 125°C specified	 Group A subgroups 	Lim Min I	i	Unit
		$V^{+} = S3 = 5$ $V_{T}^{+} = GND$,	.0 V, V-	≖ -10 V,	1 1	-2.4		mA
		EN = open			2	-2.3		mA
	 1				3	-2.6		mA
Input voltage low	VII (EN)	V+ = 5.0 V, S3 = 0 V 1		Ο Ϋ,	1	 	1.0	v
		-	-		2	 	0.7	V
					3		1.3	 V
Differential input threshold voltage	і V _{TH} 	4.5 ¥ < ¥+ -11 ¥ ≤ ¥-	<u><</u> 5.5 V, <u><</u> -9.0 V	, EN = open	1,2,3	1.0	2.0	. V
Common mode voltage	VCM	V+ = 5.0 V, 1.0 V < V _{DI} T _A = 25 C	V- ± -1 FF <u><</u> 2.0	0 V, V,	1	-10	+10	I V
Terminating resistance	 R _T 	$V^+ = 5.5 V,$ $T_A = 25 C$	V- = -1	1 V,	1	91	215	Ω Ω
Positive supply current	 I+	V+ = S3 = 1	/I+ = 5.	5 V, <u>1</u> /	1		22.9	mA
Negative supply current	 I- 	¥- = 11 ¥,	¥I- = 0	V, T _A = 25°C	1	-11.1		mA
Propagation delay to high level	tplH	V+ = 5.0 V -10 V, 0 V 3.0 V, CL (see fig. 2	<u><</u> V _I <u><</u> = 30 pF	RL = 3.9 kΩ	9		50	ns
Propagation delay to low level	tPHL	TA = 25 C		R _L = 390Ω	9		50	ns
1/ Reference: S ₃ see equivale	nt circu	uit figure 3	•	·		·		
2/ The UA9622QM allows the cho performance by use of S3.	ice of a	output state	s with t	ne input open	, without a	ffecti	ng ctr	cuit
- When S3 is connected to	V-, oper	inputs cau	se outpu	t to be high.				
- When V+ = 5.0 V, $V_{-}^{-1} = -1$.0 V and	S3 is conne	cted to	ground, open	inputs caus	se outp	ut to	be low.
MILITARY DRAWI		SIZE		333	DWG NO. 596	2-87522	2	
DEFENSE ELECTRONICS SUPPLY C								







3.7 Netification of change. Notification of change to DESC-ECS shall be required in accordance with ML-STD-B03 (see 3.1 herein). 3.8 Verification and review. DESC, DESC's agent, and the acquiring activity retain the option to review the manufacturer's facility and applicable required documentation. Official construction of the reviewer. 4. QUALITY ASSURANCE PROVISIONS 4.1 Sampling and inspection. Sampling and inspection procedures shall be in accordance with section 4 of MLL-330510 to the exist specified in ML-STD-B83 (see 3.1 herein). 4.2 Sermaning. Screening shall be in accordance with method 5004 of MIL-STD-883, and shall be in shall be in accordance with section. 4.3 Burn-in test (method JOIS of MIL-STD-883). (1) Tast condition A, B, C, or D using the circuit submitted with the certificate of compliance (see 3.5 herein). (2) T _A = +125°C, minimum. (2) T _A = +125°C, minimum. (2) T _A = +125°C, minimum. b. Interim and final electrical test parameters shall be as specified in table II herein, except interim alcertrical parameter kests prior to burn-in are optional at the discretion of the manufacturer. 4.3 Quality conformance inspection. Quality conformance inspections. The following additional riteria abely factured aparameter shall be as specified in table II herein. b. Subgroups 4, 5, 6, 7, 8, 10 and 11 in table II method 5005 of MIL-STD-883 shall be omitted. 4.3.2 Groups C and D inspections. a.			,	
review the manufacturer's facility and applicable required documentation. Offshore documentation shall be made available onshore at the option of the review. 4. QUALITY ASSURANCE PROVISIONS 4.1 Sampling and inspection. Sampling and inspection procedures shall be in accordance with section 4 of MIL-M-30810 to the extent specified in MIL-STD-803 (see 3.1 herein). 4.2 Screening. Screening shall be in accordance with method 5004 of MIL-STD-803, and shall be conducted on all devices prior to quality conformance inspection. The following additional criteria shall apply: a. Burn-in test (method 1015 of MIL-STD-803). (1) Test condition A, B, C, or D using the circuit submitted with the certificate of compliance (see 3.5 herein). (2) T _A = 125°C, winisum. 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 Quality conformance inspection. Quality conformance inspections. The following additional criteria shall apply. 4.3.1 Group A inspection. a. Tests shall be as specified in table II herein. b. Subgroups 4, 5, 6, 7, 8, 10 and 11 in table I, method 5005 of MIL-STD-883 shall be omitted. 4.3.2 Groups C and D inspections. a. End-point electrical parameters shall be as specified in table II herein. b. Subgroups 4, 5, 6, 7, 8, 10 and 11 in table I, method 5005 of MIL-STD-883 shall be omitted. 4.3.2 Groups C and D inspections.		tion of change	to DESC-ECS sha	ll be required in accordance with
4.1 Sampling and inspection. Sampling and inspection procedures shall be in accordance with section 4 of NIL-M-385U to the extent specified in NIL-STD-883 (see 3. Lerefin). 4.2 Screening. Screening shall be in accordance with method 5004 of NIL-STD-883, and shall be conducted on all devices prior to quality conformance inspection. The following additional criteria shall apply: a. Burn-in test (method 1015 of NIL-STD-883). (1) Test condition A, B, C, or D using the circuit submitted with the certificate of compliance (see 3.5 herein). (2) T _A = f125°C, animum. 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 Quality conformance inspection. Quality conformance inspections. The following additional criteria shall apply. a.5.1 Group A inspection. a. Tests shall be as specified in table II herein. b. Subgroups 4, 5, 6, 7, 8, 10 and 11 in table I, method 5005 of MIL-STD-883 shall be omitted. 4.3.2 Groups C and D inspections. a. End-point electrical parameters shall be as specified in table II herein. b. Steady-state life test (method 1005 of MIL-STD-883) conditions: (1) Test condition A, B, C, or D using the circuit submitted with the certificate of compliance (see 3.5 herein). (2) T _A = f125°C, minimum. (3) Test duration: 1,000 hours, except as permitted by appendix B of MIL-H-38510 and method 1005 of MIL-STD-883. (3) Test duration: 1	review the manufacturer's facility and a	pplicable requ	ired documentati	activity retain the option to on. Offshore documentation shall
4 of MIL-H-38510 to the extent specified in MIL-STD-883 (see 3.1 herein). 4.2 Screening. Screening shall be in accordance with method 5004 of MIL-STD-883, and shall be conducted on all devices prior to quality conformance inspection. The following additional criteria shall apply: a. Burn-in test (method 1015 of MIL-STD-883). (1) Test condition A, B, C, or D using the circuit submitted with the certificate of compliance (see 3.5 herein). (2) T _A = *125°C, minimum. b. Interim and final electrical test parameters shall be as specified in table II herein, except interim electrical parameter tests prior to burn-in are optional at the discretion of the manufacturer. 4.3 Quality conformance inspection. Quality conformance inspection shall be in accordance with wethod 5005 of MIL-STD-883 including groups A, B, C, and D inspections. The following additional criteria shall apply. 4.3.1 Group A inspection. a. Tests shall be as specified in table II herein. b. Subgroups 4, 5, 6, 7, 8, 10 and 11 in table I, method 5005 of MIL-STD-883 shall be omitted. 4.3.2 Groups C and D inspections. a. End-point electrical parameters shall be as specified in table II herein. b. Steady-state life test (method 1005 of MIL-STD-883) conditions: (1) Tast condition A, B, C, or D using the circuit submitted with the certificate of compliance (see 3.5 herein). (2) T _A = *125°C, minimum. (3) Test duration: 1,000 hours, except as permitted by appendix B of MIL-M-38510 and method 1005 of MIL-STD-883. M	4. QUALITY ASSURANCE PROVISIONS			
Conducted on all devices prior to quality conformance inspection. The following additional criteria shall apply: a. Burn-in test (method 1015 of MIL-STD-883). (1) Test condition A, B, C, or D using the circuit submitted with the certificate of compliance (see 3.5 herein). (2) T _A = +125°C, minimum. b. Interim and final electrical test parameters shall be as specified in table II herein, except interim electrical parameter tests prior to burn-in are optional at the discretion of the manufacturer. 4.3 Quality conformance inspection. Quality conformance inspection shall be in accordance with method 5005 of MIL-STD-883 including groups A, B, C, and D inspections. The following additional criteria shall apply. 4.3.1 Group A inspection. a. Tests shall be as specified in table II herein. b. Subgroups 4, 5, 6, 7, 8, 10 and 11 in table I, method 5005 of MIL-STD-883 shall be omitted. 4.3.2 Groups C and D inspections. a. End-point electrical parameters shall be as specified in table II herein. b. Subgroups 4, 8, C, or D using the circuit submitted with the certificate of compliance (see 3.5 herein). (2) T _A + +125°C, minimum. (3) Test duration: 1,000 hours, except as permitted by appendix B of MIL-M-38510 and method 1005 of MIL-STD-883. MILITARY DRAWING DEFENSE ELECTRONICS SUPPLY CENTER	4.1 Sampling and inspection. Sampling 4 of MIL-M-38510 to the extent specified	g and inspecti in MIL-STD-88	ion procedures sh 33 (see 3.1 heret	all be in accordance with section n).
(1) Test condition A, B, C, or D using the circuit submitted with the certificate of compliance (see 3.5 herein). (2) T _A = *125°C, minimum. b. Interim and final electrical test parameters shall be as specified in table II herein, except interim electrical parameter tests prior to burn-in are optional at the discretion of the manufacturer. 4.3 Quality conformance inspection. Quality conformance inspections shall be in accordance with method 5005 of MIL-STD-883 including groups A, B, C, and D inspections. The following additional criteria shall apply. 4.3.1 Group A inspection. a. Tests shall be as specified in table II herein. b. Subgroups 4, 5, 6, 7, 8, 10 and 11 in table 1, method 5005 of MIL-STD-883 shall be omitted. 4.3.2 Groups C and D inspections. a. End-point electrical parameters shall be as specified in table II herein. b. Steady-state life test (method 1005 of MIL-STD-883) conditions: (1) Test condition A, B, C, or D using the circuit submitted with the certificate of compliance (see 3.5 herein). (2) T _A = *125°C, minimum. (3) Test duration A, B, C, or D using the circuit submitted with the certificate of mompliance (see 3.5 herein). (4) Test condition A, B, C, or D using the circuit submitted by appendix B of MIL-M-38510 and method 1005 of MIL-STD-883. (3) Test durations (3) Test durations (3) Test durations (3) Test durations (4) 14933 5962-87522	conducted on all devices prior to quality	accordance wi y conformance	ith method 5004 o inspection. The	f MIL-STD-883, and shall be following additional criteria
 (see 3.5 herein). (2) T_A = +125°C, minimum. b. Interim and final electrical test parameters shall be as specified in table II herein, except interm electrical parameter tests prior to burn-in are optional at the discretion of the manufacturer. 4.3 Quality conformance inspection. Quality conformance inspections shall be in accordance with method 2005 of MIL-STD-883 including groups A, B, C, and D inspections. The following additional criteria shall apply. 4.3.1 Group A inspection. a. Tests shall be as specified in table II herein. b. Subgroups 4, 5, 6, 7, 8, 10 and 11 in table I, method 5005 of MIL-STD-883 shall be omitted. 4.3.2 Groups C and D inspections. a. End-point electrical parameters shall be as specified in table II herein. b. Steady-state life test (method 1005 of MIL-STD-883) conditions: (1) Test condition A, B, C, or D using the circuit submitted with the certificate of compliance (see 3.5 herein). (2) T_A = +125°C, minimum. (3) Test duration: 1,000 hours, except as permitted by appendix B of MIL-M-38510 and method 1005 of MIL-STD-883. 	a. Burn-in test (method 1015 of MIL	-STD-883).		
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Interim electrical parameter tests prior to burn-in are optional at the discretion of the manufacturer. 4.3 Quality conformance inspection. Quality conformance inspection shall be in accordance with method 5005 of MIL-STD-883 including groups A, B, C, and D inspections. The following additional criteria shall apply. 4.3.1 Group A inspection. a. Tests shall be as specified in table II herein. b. Subgroups 4, 5, 6, 7, 8, 10 and 11 in table I, method 5005 of MIL-STD-883 shall be omitted. 4.3.2 Groups C and D inspections. a. End-point electrical parameters shall be as specified in table II herein. b. Steady-state life test (method 1005 of MIL-STD-883) conditions: (1) Test condition A, B, C, or D using the circuit submitted with the certificate of compliance (see 3.5 herein). (2) T _A = +125°C, minimum. (3) Test duration: 1,000 hours, except as permitted by appendix B of MIL-M-38510 and method 1005 of MIL-STD-883. MILITARY DRAWING DEFENSE ELECTRONICS SUPPLY CENTER	(2) $T_{A} = +125^{\circ}C$, minimum.			
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a. Tests shall be as specified in table II herein. b. Subgroups 4, 5, 6, 7, 8, 10 and 11 in table I, method 5005 of MIL-STD-883 shall be omitted. 4.3.2 Groups C and D inspections. a. End-point electrical parameters shall be as specified in table II herein. b. Steady-state life test (method 1005 of MIL-STD-883) conditions: (1) Test condition A, 8, C, or D using the circuit submitted with the certificate of compliance (see 3.5 herein). (2) T _A = +125°C, minimum. (3) Test duration: 1,000 hours, except as permitted by appendix B of MIL-M-38510 and method 1005 of MIL-STD-883. MILITARY DRAWING DEFENSE ELECTRONICS SUPPLY CENTER Size A 14933 5962-87522	ethod 5005 of MIL-STD-883 including grou	Quality confor ups A, B, C, a	mance inspection and D inspections	shall be in accordance with The following additional
b. Subgroups 4, 5, 6, 7, 8, 10 and 11 in table I, method 5005 of MIL-STD-883 shall be omitted. 4.3.2 Groups C and D inspections. a. End-point electrical parameters shall be as specified in table II herein. b. Steady-state life test (method 1005 of MIL-STD-883) conditions: (1) Test condition A, B, C, or D using the circuit submitted with the certificate of compliance (see 3.5 herein). (2) T _A = +125°C, minimum. (3) Test duration: 1,000 hours, except as permitted by appendix B of MIL-M-38510 and method 1005 of MIL-STD-883. MILITARY DRAWING DEFENSE ELECTRONICS SUPPLY CENTER Size CODE IDENT. NO. DWG NO. A 14933 5962-87522	4.3.1 Group A inspection.			
4.3.2 Groups C and D inspections. a. End-point electrical parameters shall be as specified in table II herein. b. Steady-state life test (method 1005 of MIL-STD-883) conditions: (1) Test condition A, B, C, or D using the circuit submitted with the certificate of compliance (see 3.5 herein). (2) T _A = +125°C, minimum. (3) Test duration: 1,000 hours, except as permitted by appendix B of MIL-M-38510 and method 1005 of MIL-STD-883. MILITARY DRAWING DEFENSE ELECTRONICS SUPPLY CENTER Size Alegas	a. Tests shall be as specified in t	able II herein	1.	
a. End-point electrical parameters shall be as specified in table II herein. b. Steady-state life test (method 1005 of MIL-STD-883) conditions: (1) Test condition A, B, C, or D using the circuit submitted with the certificate of compliance (see 3.5 herein). (2) T _A = +125°C, minimum. (3) Test duration: 1,000 hours, except as permitted by appendix B of MIL-M-38510 and method 1005 of MIL-STD-883. MILITARY DRAWING DEFENSE ELECTRONICS SUPPLY CENTER Size CODE IDENT. NO. DWG NO. A 14933 5962-87522	b. Subgroups 4, 5, 6, 7, 8, 10 and 1	ll in table I,	, method 5005 of	MIL-STD-883 shall be omitted.
a. End-point electrical parameters shall be as specified in table II herein. b. Steady-state life test (method 1005 of MIL-STD-883) conditions: (1) Test condition A, B, C, or D using the circuit submitted with the certificate of compliance (see 3.5 herein). (2) T _A = +125°C, minimum. (3) Test duration: 1,000 hours, except as permitted by appendix B of MIL-M-38510 and method 1005 of MIL-STD-883. MILITARY DRAWING DEFENSE ELECTRONICS SUPPLY CENTER Size CODE IDENT. NO. DWG NO. A 14933 5962-87522	4.3.2 Groups C and D inspections.			
b. Steady-state life test (method 1005 of MIL-STD-883) conditions: (1) Test condition A, B, C, or D using the circuit submitted with the certificate of compliance (see 3.5 herein). (2) T _A = +125°C, minimum. (3) Test duration: 1,000 hours, except as permitted by appendix B of MIL-M-38510 and method 1005 of MIL-STD-883. MILITARY DRAWING DEFENSE ELECTRONICS SUPPLY CENTER Size CODE IDENT. NO. DWG NO. A 14933 5962-87522		shall be as sr	pecified in table	II herein.
(1) Test condition A, B, C, or D using the circuit submitted with the certificate of compliance (see 3.5 herein). (2) T _A = +125°C, minimum. (3) Test duration: 1,000 hours, except as permitted by appendix B of MIL-M-38510 and method 1005 of MIL-STD-883. MILITARY DRAWING DEFENSE ELECTRONICS SUPPLY CENTER Size CODE IDENT. NO. DEFENSE ELECTRONICS SUPPLY CENTER	b. Steady-state life test (method 1))05 of MIL-ST	-883) conditions	•
(3) Test duration: 1,000 hours, except as permitted by appendix B of MIL-M-38510 and method 1005 of MIL-STD-883. MILITARY DRAWING DEFENSE ELECTRONICS SUPPLY CENTER	(1) Test condition A. B. C. or D	-		
MILITARY DRAWING DEFENSE ELECTRONICS SUPPLY CENTER	(2) $T_{A} = +125^{\circ}C$, minimum.			
MILITARY DRAWING DEFENSE ELECTRONICS SUPPLY CENTER	(3) Test duration: 1,000 hours, method 1005 of MIL-STD-883.	except as per	mitted by append	ltx B of MIL-M-38510 and
MILITARY DRAWING DEFENSE ELECTRONICS SUPPLY CENTER				
MILITARY DRAWING DEFENSE ELECTRONICS SUPPLY CENTER				
MILITARY DRAWING A 14933 5962-87522				
DEFENSE ELECTRONICS SUPPLY CENTER		SIZE CO	-	DWG NO.
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MIL-STD-883 test requirements	Subgroups (per method 5005, table I)
Interim electrical parameters (method 5004)	1
Final electrical test parameters (method 5004)	1*, 2, 3
Group A test requirements (method 5005)	1, 2, 3, 9
Groups C and D end-point electrical parameters (method 5005)	

TABLE II. Electrical test requirements.

*PDA applies to subgroup 1.

5. PACKAGING

5.1 Packaging requirements. The requirements for packaging shall be in accordance with MIL-M-38510.

6. NOTES

6.1 <u>Intended use</u>. Microcircuits conforming to this drawing are intended for use when military specifications do not exist and qualified military devices that will perform the required function are not available for OEM application. When a military specification exists and the product covered by this drawing has been qualified for listing on QPL-38510, the device specified herein will be inactivated and will not be used for new design. The QPL-38510 product shall be the preferred item for all applications.

6.2 <u>Replaceability</u>. Microcircuits covered by this drawing will replace the same generic device covered by a contractor-prepared specification or drawing.

6.3 <u>Comments</u>. Comments on this drawing should be directed to DESC-ECS, Dayton, Ohio 45444, or telephone 513-296-5375.

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6.4 Approved source of supply. An approved source of supply is listed herein. Additional sources will be added as they become available. The vendor listed herein has agreed to this drawing and a certificate of compliance (see 3.5 herein) has been submitted to DESC-ECS.

Military drawing part number	Vendor CAGE number	Vendor similar part number <u>1</u> /
5962-8752201CX	07263	µA9622DMQM
5962-87522012X	07263	µA9622LMQM
5962-8752201AX	07263	µA9622FMQM

 $\frac{1}{1}$ <u>Caution</u>. Do not use this number for item acquisition. Items acquired by this number may not satisfy the performance requirements of this drawing.

Vendor CAGE number

07263

and address Fairchild Semiconductor Corp. 313 Fairchild Drive

Mountain View, CA 94043

Vendor name

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