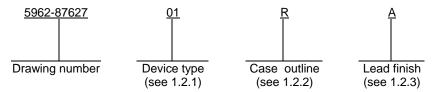
								F	REVISI	ONS										
LTR					I	DESCR	RIPTIO	N					DA	ATE (Y	R-MO-I	DA)	APPROVED)	
А	Add case outline S (flat package) for vendor CAGE 61772. generic part. Changes to table I. Editorial changes through						1772. hrough	Add the A version 91-04-28 out.				M. A. Frye								
В	Add vendor CAGE 27014 and 75569. Technical changes in Editorial changes throughout.						nges in	1.4 an	d table	l.		91-1	11-25		M. A	. Frye				
С		ate boile ighout.		to MIL-	PRF-3	8535 r	equiren	nents.	Editoria	al chan	ges			06-0	7-06		Thor	mas M.	Hess	
DEV		1				1		1	1	1	ı	1	1	1	1	1	1		1	
REV																				
SHEET																				
SHEET REV																				
SHEET				REV	,		C	C	C	C	C	C	C	C	C	C	C	C		
SHEET REV SHEET	3			REV			C 1	C 2	C 3	C 4	C 5	C 6	C 7	C 8	C 9	C 10	C 11	C 12		
SHEET REV SHEET REV STATUS OF SHEETS PMIC N/A	NDAF	RD		SHE	ET PAREI	Jeffery	1	2	-	-	5	6 EFEN	7 SE SI	8 UPPL	9 Y CE	10 INTER O 432	11 R COL 218-3	12 -UMB	US	
SHEET REV SHEET REV STATUS OF SHEETS PMIC N/A STA	NDAF	CUIT		SHE	ET PAREI	Jeffery BY	1	2	-	-	5	6 EFEN	7 SE SI	8 UPPL	9 Y CE	10	11 R COL 218-3	12 -UMB	US	
SHEET REV SHEET REV STATUS OF SHEETS PMIC N/A STA MICRO DR. THIS DRAWI FOR L DEPA	NDAF OCIRO AWIN ING IS A JSE BY ARTMEN	CUIT G VAILAI ALL ITS		SHE PRE	PAREC CKED	Jeffery BY Ray N	Tunsta	2	-	MIC D F	DI DI CROC	EFEN CO	SE SI DLUM http:	UPPLIBUS	9 9 9 OHIO	10 NTER O 433 SCC.dl	218-3: a.mil	12 LUMB 990	ОСТА	
SHEET REV SHEET REV STATUS OF SHEETS PMIC N/A STA MICRO DR.	NDAF OCIRO AWIN ING IS A JSE BY A RTMEN INCIES O	CUIT G VAILAI ALL ITS OF THE		SHE PRE	PAREI CKED	BY Ray N D BY Michae	Tunsta Monnin I A. Fry	2 II	-	MIC D F	DI DI CROC	EFEN CO	SE SI DLUM http:	UPPLIBUS	9 9 9 OHIO	10 NTER O 433 SCC.dl	218-3: a.mil	12 LUMB 990	ОСТА	
SHEET REV SHEET REV STATUS OF SHEETS PMIC N/A STA MICRO DR. THIS DRAWI FOR U DEPA AND AGE	NDAF OCIRO AWIN ING IS A JSE BY A RTMEN INCIES O	CUIT G VAILAI ALL ITS OF THE		SHE PREI	PAREC CKED PROVE	BY Ray N D BY Michae	Tunsta Monnin I A. Fry DVAL E	2 II	-	MIC D F	DI DI CROC	EFEN CC	SE SI DLUM http:	UPPLIBUS D://ww	9 9 9 OHIO	INTER O 432 SCC.dl	218-33 a.mil	J2 LUMB 990 OS, C	OCTA CON	
SHEET REV SHEET REV STATUS OF SHEETS PMIC N/A STA MICRO DR. THIS DRAWI FOR L DEPA AND AGE DEPARTME	NDAF OCIRO AWIN ING IS A JSE BY A RTMEN INCIES O	CUIT G .VAILAI ALL ITS OF THE DEFEN		SHE PREI	PAREC CKED PROVE	BY Ray M D BY Michael APPRO 88-0	Tunsta Monnin I A. Fry DVAL E	2 II	-	MIC D F CO	DI CROC LIP-F MPA	EFEN CO CIRCU FLOP TIBLI	SE SI DLUM http: UIT, I	BUPPLIBUS://ww	9 9 9 OHIO	INTER O 432 SCC.dl	218-33 a.mil	12 LUMB 990	OCTA CON	

1. SCOPE

- 1.1 Scope. This drawing describes device requirements for MIL-STD-883 compliant, non-JAN class level B microcircuits in accordance with MIL-PRF-38535, appendix A.
 - 1.2 Part or Identifying Number (PIN). The complete PIN is as shown in the following example:



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

Device type	Generic number	<u>Circuit function</u>
01	54FCT377	Octal D flip-flop with clock enable,
		TTL compatible inputs
02	54FCT377A	Octal D flip-flop with clock enable,
		TTL compatible inputs

1.2.2 Case outline(s). The case outline(s) are as designated in MIL-STD-1835 and as follows:

Outline letter	Descriptive designator	<u>Terminals</u>	Package style
R	GDIP1-T20 or CDIP2-T20	20	Dual-in-line package
S	GDFP2-F20 or CDFP3-F20	20	Flat pack
2	CQCC1-N20	20	Square chip carrier

- 1.2.3 Lead finish. The lead finish is as specified in MIL-PRF-38535, appendix A.
- 1.3 Absolute maximum ratings. 1/

Supply voltage range (V _{CC})	-0.5 V dc to +7.0 V dc
DC input voltage range (V _{IN})	-0.5 V dc to V_{CC} + 0.5 V dc $2/$
DC output voltage range (V _{OUT})	-0.5 V dc to V_{CC} + 0.5 V dc $2/$
DC input diode current (I _{IK})	-20 mA
DC output diode current (I _{OK})	-50 mA
DC output current (I _{OUT})	±100 mA
Storage temperature range (T _{STG})	-65°C to +150°C
Maximum power dissipation (P _D)	500 mW <u>3</u> /
Lead temperature (soldering, 10 seconds)	+300°C
Thermal resistance, junction-to-case (θ _{JC})	See MIL-STD-1835
Junction temperature (T _J)	+175°C

1.4 Recommended operating conditions.

Supply voltage range (V _{CC})	+4.5 V dc to +5.5 V dc
Maximum low level input voltage (V _{IL})	
Minimum high level input voltage (V _{IH})	
Case operating temperature range (T _C)	

- $\underline{1}'$ Unless otherwise specified, all voltages are referenced to ground. $\underline{2}'$ For $V_{CC} > 6.5$ V dc, the upper bound is limited to $V_{CC}.$ $\underline{3}'$ Must withstand the added P_D due to short circuit test, e.g., $I_{OS}.$

STANDARD MICROCIRCUIT DRAWING	SIZE A		5962-87627
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43218-3990		REVISION LEVEL C	SHEET 2

1.4 Recommended operating conditions - Continued.

Minimum setup time, Dn to CP (t _{s1}):	
Device type 01	4.0 ns
Device type 02	2.0 ns
Minimum hold time, Dn to CP (t _{h1}):	
Device type 01	2.5 ns
Device type 02	1.5 ns
Minimum setup time, CE to CP (t _{s2}):	
Device type 01	4.5 ns
Device type 02	3.5 ns
Minimum hold time, CE to CP (t_{h2}) :	
Device type 01	2.0 ns
Device type 02	1.5 ns
Minimum CP pulse width, high and low (t _w):	
Device type 01	
Device type 02	7.0 ns

2. APPLICABLE DOCUMENTS

2.1 <u>Government specification, standards, and handbooks</u>. The following specification, standards, and handbooks form a part of this drawing to the extent specified herein. Unless otherwise specified, the issues of these documents are those cited in the solicitation or contract.

DEPARTMENT OF DEFENSE SPECIFICATION

MIL-PRF-38535 - Integrated Circuits, Manufacturing, General Specification for.

DEPARTMENT OF DEFENSE STANDARDS

MIL-STD-883 - Test Method Standard Microcircuits.

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

DEPARTMENT OF DEFENSE HANDBOOKS

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

MIL-HDBK-780 - Standard Microcircuit Drawings.

(Copies of these documents are available online at http://assist.daps.dla.mil/quicksearch/ or http://assist.daps.dla.mil or from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.)

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

3. REQUIREMENTS

3.1 Item requirements. The individual item requirements shall be in accordance with MIL-PRF-38535, appendix A for non-JAN class level B devices and as specified herein. Product built to this drawing that is produced by a Qualified Manufacturer Listing (QML) certified and qualified manufacturer or a manufacturer who has been granted transitional certification to MIL-PRF-38535 may be processed as QML product in accordance with the manufacturers approved program plan and qualifying activity approval in accordance with MIL-PRF-38535. This QML flow as documented in the Quality Management (QM) plan may make modifications to the requirements herein. These modifications shall not affect form, fit, or function of the device. These modifications shall not affect the PIN as described herein. A "Q" or "QML" certification mark in accordance with MIL-PRF-38535 is required to identify when the QML flow option is used.

STANDARD MICROCIRCUIT DRAWING	SIZE A		5962-87627
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43218-3990		REVISION LEVEL C	SHEET 3

- 3.2 <u>Design, construction, and physical dimensions</u>. The design, construction, and physical dimensions shall be as specified in MIL-PRF-38535, appendix A and herein.
 - 3.2.1 Case outlines. The case outlines shall be in accordance with 1.2.2 herein.
 - 3.2.2 <u>Terminal connections</u>. The terminal connections shall be as specified on figure 1.
 - 3.2.3 Truth table. The truth table shall be as specified on figure 2.
 - 3.2.4 Logic diagram. The logic diagram shall be as specified on figure 3.
 - 3.2.5 Switching waveforms and test circuit. The switching waveforms and test circuit shall be as specified on figure 4.
- 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 case 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 described in table I.
- 3.5 <u>Marking</u>. Marking shall be in accordance with MIL-PRF-38535, appendix A. The part shall be marked with the PIN listed in 1.2 herein. In addition, the manufacturer's PIN may also be marked. For packages where marking of the entire SMD PIN number is not feasible due to space limitations, the manufacturer has the option of not marking the "5962-" on the device.
- 3.5.1 <u>Certification/compliance mark</u>. A compliance indicator "C" shall be marked on all non-JAN devices built in compliance to MIL-PRF-38535, appendix A. The compliance indicator "C" shall be replaced with a "Q" or "QML" certification mark in accordance with MIL-PRF-38535 to identify when the QML flow option is used.
- 3.6 <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 MIL-HDBK-103 (see 6.6 herein). The certificate of compliance submitted to DSCC-VA prior to listing as an approved source of supply shall affirm that the manufacturer's product meets the requirements of MIL-PRF-38535, appendix A and the requirements herein.
- 3.7 <u>Certificate of conformance</u>. A certificate of conformance as required in MIL-PRF-38535, appendix A shall be provided with each lot of microcircuits delivered to this drawing.
 - 3.8 Notification of change. Notification of change to DSCC-VA shall be required for any change that affects this drawing.
- 3.9 <u>Verification and review</u>. DSCC, DSCC'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.

STANDARD
MICROCIRCUIT DRAWING

SIZE A		5962-87627
	REVISION LEVEL C	SHEET 4

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

Test	V _{CC}		Conditions $5^{\circ}\text{C} \le \text{T}_{\text{C}} \le +125^{\circ}\text{C}$ Group $\text{SE}_{\text{CC}} = 5.0 \text{ V dc} \pm 10\%$ subgroups otherwise specified		Device type	Limits		Unit
			·			Min	Max	
High level output voltage	V _{OH}	V _{CC} = 4.5 V	I _{OH} = -300 μA	1, 2, 3	All	4.3		V
		$V_{IL} = 0.8 \text{ V}$ $V_{IH} = 2.0 \text{ V}$	I _{OH} = -12 mA			2.4		
Low level output voltage	V _{OL}	V _{CC} = 4.5 V	$I_{OL} = 300 \ \mu A$	1, 2, 3	All		0.2	V
		$V_{IL} = 0.8 \text{ V}$ $V_{IH} = 2.0 \text{ V}$	$I_{OL} = 32 \text{ mA}$				0.5	
Input clamp voltage	V _{IK}	$V_{CC} = 4.5 \text{ V}, I_{IN} = -$	-18 mA	1, 2, 3	All		-1.2	V
High level input current	I _{IH}	$V_{CC} = 5.5 \text{ V}, V_{IN} =$	5.5 V	1, 2, 3	All		5.0	μА
Low level input current	I _{IL}	$V_{CC} = 5.5 \text{ V}, V_{IN} =$	GND	1, 2, 3	All		-5.0	μА
Short circuit output current 1/	I _{OS}	$V_{CC} = 5.5 \text{ V}, V_{OUT}$	= GND	1, 2, 3	All	-60		mA
Quiescent power supply current (CMOS inputs)	I _{CCQ}	$\begin{array}{c} V_{IN} \leq 0.2 \; V \; or \; V_{IN} \geq 5.3 \; V \\ V_{CC} = 5.5 \; V, \; f_I = 0.0 \; MHz \end{array}$		1, 2, 3	All		1.5	mA
Quiescent power supply current (TTL inputs) 2/	ΔI_{CC}	V _{CC} = 5.5 V, V _{IN} = 3.4 V		1, 2, 3	All		2.0	mA
Dynamic power supply current <u>3</u> /	I _{CCD}	V_{CC} = 5.5 V, \overline{CE} = GND $V_{IN} \le 0.2$ V or $V_{IN} \ge 5.3$ V One bit toggling, 50% duty cycle Outputs open		1, 2, 3	All		0.4	mA/ MHz
Total power supply current <u>4</u> /	I _{CC}	$V_{CC} = 5.5 \text{ V}$ $f_{CP} = 10 \text{ MHz}$ $50\% \text{ duty cycle}$ Outputs open One bit toggling at $f_1 = 5 \text{ MHz}$	$\begin{aligned} V_{IN} &\leq 0.2 \ V \\ or \\ V_{IN} &\geq 5.3 \ V \end{aligned}$	1, 2, 3	All		5.5	mA
		50% duty cycle CE = GND	$V_{IN} \ge 3.4 \text{ V}$ or $V_{IN} = \text{GND}$	1, 2, 3	All		6.0	mA
Input capacitance	C _{IN}	See 4.3.1c	•	4	All		10	pF
Output capacitance	C _{OUT}	See 4.3.1c		4	All		12	pF
Functional tests		See 4.3.1d		7, 8	All			

See footnotes at end of table.

STANDARD
MICROCIRCUIT DRAWING

SIZE A		5962-87627
	REVISION LEVEL C	SHEET 5

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

Test	Symbol	Conditions $ -55^{\circ}C \leq T_{C} \leq +125^{\circ}C $ $V_{CC} = 5.0 \text{ V dc } \pm 10\% $ unless otherwise specified	Group A subgroups	Device type	Limits		Unit
					Min	Max	
Propagation delay time,	t _{PLH} ,	C _L = 50 pF minimum	9, 10, 11	01	2.0	15.0	ns
CP to On <u>5</u> /	t _{PHL}	$R_L = 500\Omega$		02	2.0	8.3	
		See figure 4					

- 1/ Not more than one output should be shorted at one time, and the duration of the short circuit condition should not exceed one second.
- 2/ TTL driven input (V_{IN} = 3.4 V); all other inputs at V_{CC} or GND.
- 3/ This parameter is not directly testable, but is derived for use in total power supply calculations.
- $\underline{4}/I_{CC} = I_{CCQ} + (\Delta I_{CC} \times D_H \times N_T) + (I_{CCD}(f_{CP}/2 + f_I \times N_I))$

 $\begin{array}{ll} \mbox{Where:} & \mbox{D_H = Duty cycle for TTL inputs high.} \\ & \mbox{N_T = Number of TTL inputs at D_H.} \\ & f_I = \mbox{Input frequency in MHz.} \\ & \mbox{N_I = Number of inputs at f_I.} \\ & f_{CP} = \mbox{Clock frequency in MHz.} \\ \end{array}$

5/ The minimum limits are guaranteed, if not tested, to the limits specified in table I.

STANDARD		
MICROCIRCUIT DRAWING		

SIZE A		5962-87627
	REVISION LEVEL C	SHEET 6

Device types	01 and 02
Case outlines	R, S, and 2
Terminal number	Terminal symbol
Terrina namber	Terriiriai syrribor
1	CE
2	O0
2 3	D0
4	D1
5	O1
6	O2
7	D2
8	D3
9	O3
10	GND
11	CP
12	O4
13	D4
14	D5
15	O5
16	O6
17	D6
18	D7
19	07
20	V_{CC}

FIGURE 1. <u>Terminal connections</u>.

Device types 01 and 02					
Operating mode		Inputs			
	СР	CE	Dn	On	
Load "1"	↑	I	h	Н	
Load "0"	↑	I	1	L	
Hold (do nothing)	↑	h	X	No change	
	X	Н	X	No change	

H = High voltage level

h = High voltage level one setup time prior to the low-to-high clock transition

L = Low voltage level

I = Low voltage level one setup time prior to the low-to-high clock transition

X = Irrelevant

↑ = Low-to-high clock transition

FIGURE 2. Truth table.

STANDARD MICROCIRCUIT DRAWING	SIZE A		5962-87627
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43218-3990		REVISION LEVEL C	SHEET 7

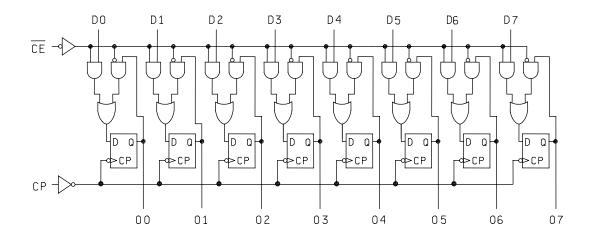
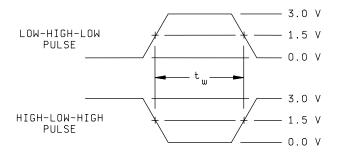


FIGURE 3. Logic diagram.

STANDARD MICROCIRCUIT DRAWING

SIZE A		5962-87627
	REVISION LEVEL C	SHEET 8



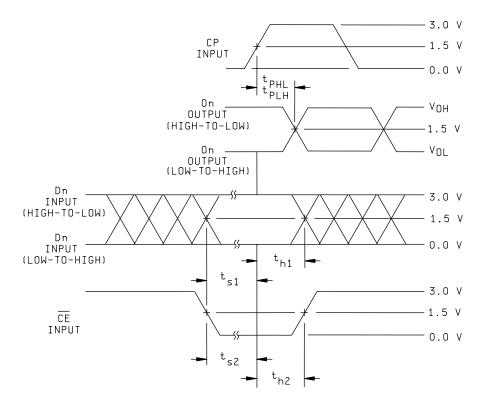
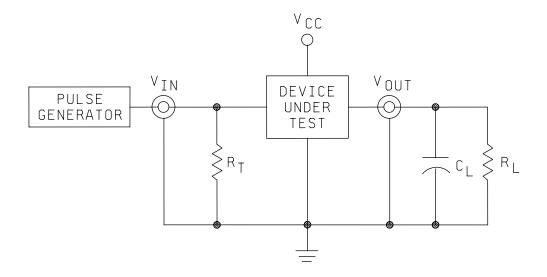


FIGURE 4. Switching waveforms and test circuit.

STANDARD MICROCIRCUIT DRAWING	SIZE A		5962-87627
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43218-3990		REVISION LEVEL C	SHEET 9



NOTES:

- 1. $R_L = 500\Omega$ or equivalent
- 2. $R_T = 50\Omega$ or equivalent, terminal resistance which should be equal to Z_{OUT} of the pulse generators. 3. $C_L = 50$ pF or equivalent (includes test jig and probe capacitance).
- 4. Pulse generator for all pulses: $t_r \le 2.5$ ns; $t_f \le 2.5$ ns.

FIGURE 4. <u>Switching waveforms and test circuit</u> – Continued.

STANDARD MICROCIRCUIT DRAWING	SIZE A		5962-87627
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43218-3990		REVISION LEVEL C	SHEET 10

4. VERIFICATION

- 4.1 <u>Sampling and inspection</u>. Sampling and inspection procedures shall be in accordance with MIL-PRF-38535, appendix A.
- 4.2 <u>Screening</u>. 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. The test circuit shall be maintained by the manufacturer under document revision level control and shall be made available to the preparing or acquiring activity upon request. The test circuit shall specify the inputs, outputs, biases, and power dissipation, as applicable, in accordance with the intent specified in method 1015 of MIL-STD-883.
 - (2) $T_A = +125^{\circ}C$, 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.

TABLE II. Electrical test requirements.

MIL-STD-883 test requirements	Subgroups (in accordance with MIL-STD-883, method 5005, table I)
Interim electrical parameters (method 5004)	
Final electrical test parameters (method 5004)	1*, 2, 3, 7, 8, 9, 10, 11
Group A test requirements (method 5005)	1, 2, 3, 4, 7, 8, 9, 10, 11
Groups C and D end-point electrical parameters (method 5005)	1, 2, 3

^{*} PDA applies to subgroup 1.

4.3 <u>Quality conformance inspection</u>. 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 5 and 6 in table I, method 5005 of MIL-STD-883 shall be omitted.
- c. Subgroup 4 (C_{IN} and C_{OUT} measurements) shall be measured only for the initial test and after process or design changes which may affect capacitance. Test all applicable pins on the five devices with zero failures.
- d. Subgroups 7 and 8 shall include verification of the truth table as specified on figure 2 herein.

STANDARD MICROCIRCUIT DRAWING	SIZE A		5962-87627
DEFENSE SUPPLY CENTER COLUMBUS COLUMBUS, OHIO 43218-3990		REVISION LEVEL C	SHEET 11

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 conditions, 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 the preparing or acquiring activity upon request. The test circuit shall specify the inputs, outputs, biases, and power dissipation, as applicable, in accordance with the intent specified in method 1005 of MIL-STD-883.
 - (2) $T_A = +125^{\circ}C$, minimum.
 - (3) Test duration: 1,000 hours, except as permitted by method 1005 of MIL-STD-883.

5. PACKAGING

- 5.1 Packaging requirements. The requirements for packaging shall be in accordance with MIL-PRF-38535, appendix A.
- 6. NOTES
- 6.1 <u>Intended use</u>. Microcircuits conforming to this drawing are intended for use for Government microcircuit applications (original equipment), design applications, and logistics purposes.
- 6.2 <u>Replaceability</u>. Microcircuits covered by this drawing will replace the same generic device covered by a contractor-prepared specification or drawing.
- 6.3 <u>Configuration control of SMD's</u>. All proposed changes to existing SMD's will be coordinated with the users of record for the individual documents. This coordination will be accomplished using DD Form 1692, Engineering Change Proposal.
- 6.4 <u>Record of users</u>. Military and industrial users shall inform Defense Supply Center Columbus (DSCC) when a system application requires configuration control and the applicable SMD. DSCC will maintain a record of users and this list will be used for coordination and distribution of changes to the drawings. Users of drawings covering microelectronics devices (FSC 5962) should contact DSCC-VA, telephone (614) 692-0544.
- 6.5 <u>Comments</u>. Comments on this drawing should be directed to DSCC-VA, Columbus, Ohio 43218-3990 or telephone (614) 692-0547.
- 6.6 <u>Approved sources of supply</u>. Approved sources of supply are listed in MIL-HDBK-103. The vendors listed in MIL-HDBK-103 have agreed to this drawing and a certificate of compliance (see 3.6 herein) has been submitted to and accepted by DSCC-VA.

STANDARD			
MICROCIRCUIT DRAWING			

SIZE A		5962-87627
	REVISION LEVEL C	SHEET 12

STANDARD MICROCIRCUIT DRAWING BULLETIN

DATE: 06-07-06

Approved sources of supply for SMD 5962-87627 are listed below for immediate acquisition information only and shall be added to MIL-HDBK-103 and QML-38535 during the next revision. MIL-HDBK-103 and QML-38535 will be revised to include the addition or deletion of sources. The vendors listed below have agreed to this drawing and a certificate of compliance has been submitted to and accepted by DSCC-VA. This information bulletin is superseded by the next dated revision of MIL-HDBK-103 and QML-38535. DSCC maintains an online database of all current sources of supply at http://www.dscc.dla.mil/Programs/SMCR/.

Standard	Vendor	Vendor
microcircuit drawing	CAGE	similar
PIN <u>1</u> /	number	PIN <u>2</u> /
5962-8762701RA	27014	54FCT377DMQB
	0C7V7	
5962-8762701SA	27014	54FCT377FMQB
	0C7V7	
5962-87627012A	27014	54FCT377LMQB
	0C7V7	
5962-8762702RA	<u>3</u> /	54FCT377A
5962-8762702SA	<u>3</u> /	54FCT377A
5962-87627022A	<u>3</u> /	54FCT377A

- 1/ The lead finish shown for each PIN representing a hermetic package is the most readily available from the manufacturer listed for that part. If the desired lead finish is not listed, contact the vendor to determine its availability.
- 2/ <u>Caution</u>. Do not use this number for item acquisition. Items acquired to this number may not satisfy the performance requirements of this drawing.
- 3/ Not available from an approved source of supply.

Vendor CAGE

number

Vendor name

and address

27014

National Semiconductor
2900 Semiconductor Drive
P.O. Box 58090
Santa Clara, CA 95052-8090

0C7V7 QP Semiconductor

2945 Oakmead Village Court Santa Clara, CA 95051

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

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for e2v manufacturer:

Other Similar products are found below:

5962-89841063A M38510/06102BFA M38510/75001BCA(NSC) EV12DS460AMZPY 5962-8764803XA M38510/10301BHA 5962-8872607LA 5962-9457701QLA(NSC) 8413202RA 5962-9172201MEA 5962-8983901RA(E2VLATTICE) 5962-88670023A(CYPRESS) 5962-8751601CA 5962-9174402MXA(CYPRESS) M38510/06202BFA M38510/10107BHA(LTC) 5962-9080308MKA 5962-9218701M2A(E2VNSC) 5962-9062007MXA M38510/10304BCA 5962-8867004LA(E2VCYPRESS) 585R727H06 5962-8873502LA(ST) M38510/11302BEA(FSC-RAY) 8602501YA 5962-8968801EA(E2VNSC) M38510/33401B2A(NSC) 5962-88734033A(ST) 5962-9682901Q2A(NSC) 5962-8752902LA(ST) 5962-9469601MFA(E2VNSC) 5962-87760012A(E2VNSC) M38510/00302BCA M38510/00302BCA(E2VNSC) 5962-89841043A(CYPRESS) 5962-87515033C(ST) 5962-9154507MXA M38510/10305BFA 5962-9161708MYA 5962-8871310RA 5962-8765001KA(ST) 5962-9172201MFA(NSC) M38510/10304BHA(FSC-RAY) QP27C256L-120/XIA QP82S100/BYA-MIL 5962-8955201FA(NSC) M38510/10802BCA 5962-8873503LA 5962-8873503LA(E2VST) 5962-8851806LA