											RE	VIS	ON:	S												
LTR								DES	CRIP	TION									DAT	E (YR	-MO-	DA)	A	PPR	OVED	
			······																							
REV								_	_	L									L	<u> </u>						
SHEET		_			Щ			-	_	\vdash	<u> </u>	<u> </u>	\vdash			<u></u>	lacksquare	_	<u> </u>	<u> </u>	<u> </u>	<u> </u>	ļ			
REV					 	_		-	-		-	+	-				├-	_	-	_	 	├-	-	_		
	<u></u>	22	RE	ليا	Щ			 	 	 	-	 	\vdash	-	-		├	<u> </u>		├	 -	├-		_	\vdash	\vdash
REV ST OF SHI		+		EET		1	2	_		ļ ,	_	-		_			1.0	1.	 	1.5	1.	1		1.0	20	
D THIS DR	NDAF IILITA RAW	AR' 'IN' IS A'	ZE Y G	D	d						ONIC N, OF	IICS SUPPLY CENTER OHIO 45444 L. MEMORY, CMOS														
	AGENC TMENT	ES C	OF TH	ΙE	S			EPT	EMBE						A	SHE			68			59	962-89863			

DESC FORM 193 SEP 87

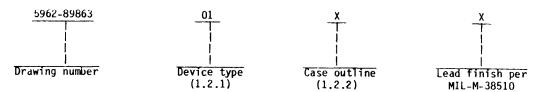
* U.S. GOVERNMENT PRINTING OFFICE: 1987 --- 748-129/60911

5962-E012

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

1. SCOPE

- 1.1 Scope. This drawing describes device requirements for class B microcircuits in accordance with $1.\overline{2.1}$ of MIL-STD-883, "Provisions for the use of MIL-STD-883 in conjunction with compliant non-JAN devices".
- 1.2 Part or Identifying Number (PIN). The complete PIN shall be as shown in the following example:



1.2.1 Device types. The device types shall identify the circuit function as follows:

Device type	Generic number	Circuit function	Access time
01	See 6.6	512 X 9 FIF0	80 ns
02	See 6.6	512 X 9 FIFO	65 ns
03	See 6.6	512 X 9 FIFO	50 ns
04	See 6.6	512 X 9 FIFO	40 ns
05	See 6.6	512 X 9 FIF0	30 ns
06	See 6.6	512 X 9 FIF0	25 ns

1.2.2 Case outlines. The case outlines shall be as designated in appendix C of MIL-M-38510, and as follows:

Outline letter	<u>Case outline</u>
X	D-10 (28-lead, 1.490" x .610" x .232"), dual-in-line package
Υ	D-15 (28-lead, 1.485" x .310" x .230"), dual-in-line package
Z	C-12 (32-terminal, .560" x .458" x .120"), rectangular chip carrier package
U	F-11 (28-lead, .740" x .380" x .090") flat package

1.3 Absolute maximum ratings.

1/ Must withstand the added P_D due to short circuit test (e.g., I_{OS}). 2/ Maximum junction temperature may be increased to +175°C during burn-in and steady-state life.

STANDARDIZED MILITARY DRAWING	SIZE A			5962-89863	
DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OHIO 45444		 REVISION LEVEL	-	SHEET 2	

DESC FORM 193A SEP 87

☆ U. S. GOVERNMENT PRINTING OFFICE, 1988--549-904

1.4 Recommended operating conditions.

2. APPLICABLE DOCUMENTS

2.1 Government specification, standard, and bulletin. Unless otherwise specified, the following specification, standard, and bulletin 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.

BULLETIN

MILITARY

MIL-BUL-103

- List of Standardized Military Drawings (SMDs).

(Copies of the specification, standard, and bulletin 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 Terminal connections. The terminal connections shall be as specified on figure 1.
 - 3.2.2 Truth tables. The truth tables shall be as specified on figure 2.
 - 3.2.3 Case outlines. The case outlines shall be in accordance with 1.2.2 herein.

STANDARDIZED MILITARY DRAWING	SIZE A		5962-89863		
DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OHIO 45444		REVISION LEVEL	-	SHEET 3	

DESC FORM 193A SEP 87

DESC FORM 193A SEP 87

ਰ U. S. GOVERNMENT PRINTING OFFICE: 1988---549-904

TABLE I. Electrical performance characteristics - Continued. Conditions 1/-55°C \leq TC \leq +125°C \leq 4.5 V \leq VCC \leq 5.5 V unless otherwise specified Limits Symbol Test Group A | Device Unit Min Max subgroups types $\left(c_{IN}^{3}\right)$ рF $V_{CC} = 5.0 \text{ V}$ $T_A = +25 ^{\circ}\text{C}$, f = 1 MHzSee 4.3.1c 4 A11 8 Input capacitance $V_{CC} = 5.0 \text{ V}$ $T_A = +25 \text{ C}$, f = 1 MHz4 A11 8 pF Output capacitance C_{OUT}/ See 4.3.1c A11 See 4.3.1d 7,8 Functional tests 01 100 See figure 3 9, 10, 11 02 80 ns Read cycle time tRC 03 65 04 50 05 40 06 35 01 65 | ns 9, 10, 11 02 Access time tΑ 03 50 04 40 30 25 05 06 01 02,03 04,05,06 9, 10, 11 15 ns Read recovery time t_{RR} 10 80 01 65 Read pulse width 9, 10, 11 02 ns t_{PR} 03 50 40 04 05 30 06 25 9, 10, 11 A11 3 ns Read low to low Z t_{LZR} 3/4/ 9, 10, 11 A11 3 Read high to data valid |tDVR ns 01,02,03 30 9, 10, 11 04 25 ns Read nigh to nigh Z tHZH 3/4/ 05 20 18 06 100 01 9, 10, 11 02 80 ns Write cycle time tWC 03 65 50 04 05 40 35 See footnotes at end of table. SIZE **STANDARDIZED** Α 5962-89863 MILITARY DRAWING **DEFENSE ELECTRONICS SUPPLY CENTER REVISION LEVEL** SHEET DAYTON, OHIO 45444

DESC FORM 193A SEP 87

± U. S. GOVERNMENT PRINTING OFFICE: 1988—549-904

TABLE I. Electrical performance characteristics - Continued. Conditions 1/-55°C < T_C < +125°C
4.5 V < V_{CC} < 5.5 V
unless otherwise specified Limits Test Symbol |Group A | Device Unit Min | Max |subgroups| types 80 9, 10, 11 Write pulse width See figure 3 02 65 tpw ns 03 50 40 04 05 30 06 25 Write high to low & 9, 10, 111 10 ns ^tHwZ 3/4/ 20 02,03 Write recovery time 9, 10, 11 15 ns twR 10 40 İ 01 02,03 9, 10, 11 Data setup time 30 ns tsp 04 20 U5 18 1 06 15 01,02 10 Data hold time 19, 10, 111 03 tHD 5 7 ns 104,05,06 0 100 Master reset cycle time |tmRSC 19, 10, 11 02 80 1 ns 03 65 50 774 05 40 06 35 01 80 Master reset pulse width tpmR 9, 10, 11 02 65 ns 03 50 04 40 30 05 25 0601 20 1 9, 10, 11 02,03 Master reset recovery 15 1 tRMR ns time 104,05,06 10 80 01 tRPW 3/ Read high to master |9, 10, 11| 02 65 ns reset high 03 50 04 40 05 30 06 25 See footnotes at end of table. **STANDARDIZED** SIZE A 5962-89863 MILITARY DRAWING DEFENSE ELECTRONICS SUPPLY CENTER REVISION LEVEL SHEET DAYTON, OHIO 45444 6

DESC FORM 193A SEP 87

± U. S. GOVERNMENT PRINTING OFFICE: 1988--549-904

Electrical performance characteristics - Continued. TABLE I. Conditions 1/ $-55^{\circ}C \le T_C \le +125^{\circ}C$ $4.5 \text{ V} \le \text{V}_{CC} \le 5.5 \text{ V}$ unless otherwise specified Limits Test |Symbol |Group A |Device lUnit |subgroups| types Min | Max 80 twpw3/ Write high to master See figure 3 9, 10, 11 02 65 ns reset high 03 50 1 04 40 05 30 1 06 75 01 100 Retransmit cycle time 9, 10, 11 02 80 tRTC ns 03 65 04 50 05 40 06 35 | 01 80 Retransmit pulse width 19, 10, 111 02 65 ns | tpgT 03 50 04 40 | 05 30 25 06 01 20 | Retransmit recovery time tRTR 9, 10, 11 02,03 15 ns 04,05,06 10 σI 100 Master reset to empty [9, 10, 11] 02 80 I ns tEFL flay low 03 65 04 50 05 40 06 35 01 100 Master reset to half-9, 10, 11 02 80 | ns tHFH full flag high 03 65 04 50 l 05 40 | 06 35 01 100 Master reset to full tFFH 9, 10, 11 02 80 ns tlay nigh 03 65 04 50 i 05 40 06 35 1 01.02 60 T Read low to empty flag 9, 10, 11! ltREF 03 45 | ns 04 35 05 30 06 25 01,02 60 Read high to full flag 45 | ns 9, 10, 11 03 high 04 35 05 30 | 25 06 See footnotes at end of table. **STANDARDIZED** SIZE Α 5962-89863 **MILITARY DRAWING DEFENSE ELECTRONICS SUPPLY CENTER REVISION LEVEL** SHEET DAYTON, OHIO 45444

DESC FORM 193A SEP 87

± U. S. GOVERNMENT PRINTING OFFICE: 1988--549-904

TABLE I. Electrical performance characteristics - Continued. Conditions 1/ $-55^{\circ}C < T_C < +125^{\circ}C$ $4.5 \ V < V_{CC} < 5.5 \ V$ unless otherwise specified Limits Test Symbol 3 Group A Device Unit subgroups types Min | Max 01,02 60 Write high to empty See figure 3 9, 10, 11 **tWEF** 03 45 | ns flag high 04 35 05 30 06 25 01,02 60 Write low to full flag **tWFF** 9, 10, 11 03 45 ns 1 ow 04 35 05 30 06 25 01 100 Write low to half-full 9, 10, 11 02 tWHF 80 I ns flay low 03 65 04 50 05 40 06 35 01 100 1 Read high to half-full 9, 10, 11 02 tRHF 80 | ns flag high 03 65 04 50 05 40 06 35 01,02 60 trae 3/ Effective read from 9, 10, 11 03 45 | ns write high 04 35 <u>05</u> 30 06 25 01 80 Effective read pulse 9, 10, 11 t_{RPE} 02 65 ns width after empty 03 50 T flag high 04 40 05 30 06 25 twaF 01,02 60 1 Effective write from 9, 10, 111 03 45 ns read high 04 35 05 30 1 06 25 01 80 Effective write pulse |9, 10, 11| 02 **twpF** 65 ns width after full 03 50 flag high 04 40 1 05 30 7 25 See footnotes at end of table. **STANDARDIZED** SIZE Α 5962-89863 **MILITARY DRAWING DEFENSE ELECTRONICS SUPPLY CENTER REVISION LEVEL** SHEET DAYTON, OHIO 45444 8

DESC FORM 193A SEP 87

U. S. GOVERNMENT PRINTING OFFICE: 1988-549-904

TABLI	E I. Ele	ectrical performance characteris	stics - Cont	inued.		
Test	 Symbol 	Conditions 1/ $-55^{\circ}C < T_C < +125^{\circ}C < 1 < +125^{\circ}C < 1 < +55^{\circ}C < 1 < +125^{\circ}C < 1 < 1 < +125^{\circ}C < 1 < +125^{\circ}C < 1 < 1 < 125^{\circ}C < 1 < 1 < 125^{\circ}C < 1 < 1 < 125^{\circ}C < 1$	Group A subgroups	 Device types 	Limits Min Max	 Unit
Expansion out low delay from clock	t _{XOL}	 See figure 3 - -	9, 10, 11	01 02 03 04 05	80 65 50 40 30	ns
Expansion out high delay from clock	txoH txoH 		9, 10, 11	01	80 65 50 40 30 25	-i -i -i

1/ AC tests are performed with input rise and fall times of 5 ns or less, timing reference levels of

1.5 V, input pulse levels of 0 V to 3.0 V, and the output load on figure 4.

2/ These are absolute values with respect to device ground and all overshoots due to system or tester noise are included.

Testea initially and after any design or process changes that affect that parameter, and therefore shall be guaranteed to the limits specified in table I.

Transition is measured at steady-state high level -500 mV or steady-state low level +500 mV on the output from the 1.5 V level on the input.

- 3.2.4 Die overcoat. Polyimide and silicone coatings are allowable as an overcoat on the die for alpha particle protection provided that each coated microcircuit inspection lot (see MIL-M-38510), shall be subjected to and pass the Internal Moisture Content Test, (see method 1018 of MIL-STD-883), the frequency of the internal water vapor testing may not be decreased unless approved by the preparing activity.
- 3.3 Electrical performance characteristics. 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 Electrical test requirements. The electrical test requirements shall be the subgroups specified in table Il. The electrical tests for each subgroup are described in table I.
- 3.5 Marking. Marking shall be in accordance with MIL-STD-883 (see 3.1 herein). The part shall be marked with the PIN listed in 1.2 herein. In addition, the manufacturer's PIN may also be marked as listed in MIL-BUL-103 (see 6.6 herein).
- 3.6 Certificate of compliance. 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 6.6 herein). The certificate of compliance submitted to DESC-ECS prior to listing as an approved source of supply shall affirm that the manufacturer's product meets the requirements of MIL-STD-883 (see 3.1 herein) and the requirements herein.

STANDARDIZED MILITARY DRAWING	SIZE A	ŀ	5962-89863	
DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OHIO 45444		REVISION LEVEL	SHEET 9	

DESC FORM 193A **SEP 87**

★ U. S. GOVERNMENT PRINTING OFFICE, 1988--549-904

Device A11 types X, YI Z Case outlines Terminal Terminal number symbol Ĭ₩ NC 1082 jo8 D3 ID3 D₁ ID₂ 5 6 D_1 XI 7 lp0 8 **IFF** IXI |Q0 |Q1 |Q3 |Q3 |GND |GND |Q4 |Q5 |Q7 10 IQ0 11 12 13 14 15 16 NC R 17 18 104 19 XO/HF 105 20 21 106 **1**Q7 MR IFL/RT | XO/HF 23 D7 D6 D5 |EF |MR 24 25 26 27 28 IFL/RT D4 | NC D₇ iD₆ 29 D5 30 31 IVCC

NC = no connection

FIGURE 1. Terminal connections.

STANDARDIZED
MILITARY DRAWING
DEFENSE ELECTRONICS SUPPLY CENTER
DAYTON, OHIO 45444

SIZE
A
5962-89863

REVISION LEVEL
SHEET
10

DESC FORM 193A SEP 87

± U. S. GOVERNMENT PRINTING OFFICE: 1988---549-904

Reset and retransmit Single device configuration/width expansion mode

	1	nputs	:	! Internal 	Outputs			
Mode	I MR	I RT	XI	Read pointer	 Write pointer	EF	FF	HF
Reset	0		0		 Location zero	: -	1	1
Retransmit Read/Write	1	0 1	0	Location zero Increment 1/	Unchanged Increment 1/	IX IX	X	l X l X

1/ Pointer will increment if flag is high.

Reset and first load truth table Depth expansion/compound expansion mode

	Inputs			Internal	0utputs		
Mode 	MR	FL 	ΧĪ	Read pointer	 Write pointer 	EF	FF
 Reset first device Reset all other devices Read/Write 	0 0 1	0 1 1 X	1/ 1/ 1/		Location zero Location zero X		1 1 1 1 X

 $\underline{I}/\overline{XI}$ is connected to \overline{XO} of previous device.

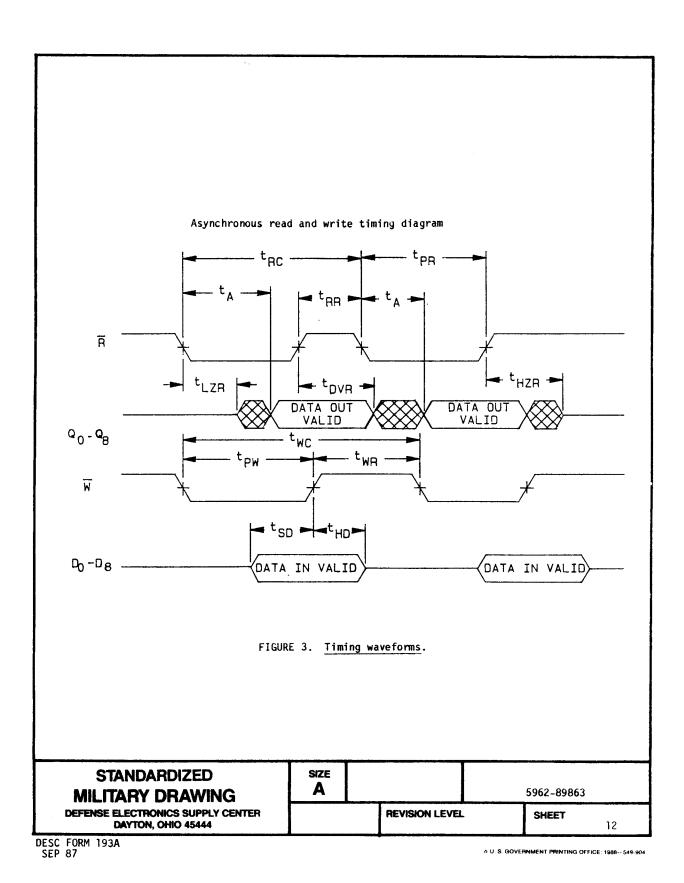
Note: \overline{MR} = Reset input, $\overline{FL/RT}$ = First load/retransmit \overline{EF} = Empty flag output, \overline{FF} = Full flag output, \overline{XI} = Expansion input, and \overline{HF} = Half-full flag output

FIGURE 2. Truth tables.

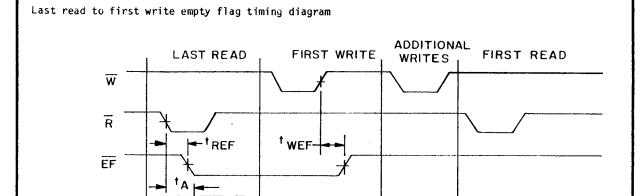
STANDARDIZED MILITARY DRAWING	SIZE A			5962-	89863
DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OHIO 45444		RE	EVISION LEVEL	SHE	ET 11

DESC FORM 193A SEP 87

⇔ U. S. GOVERNMENT PRINTING OFFICE: 1988--549-904

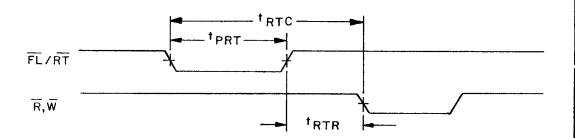


Powered by ICminer.com Electronic-Library Service CopyRight 2003



Retransmit timing diagram

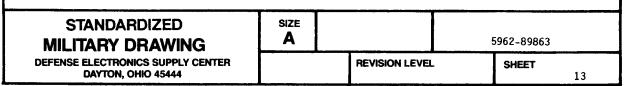
DATA OUT



NOTES:

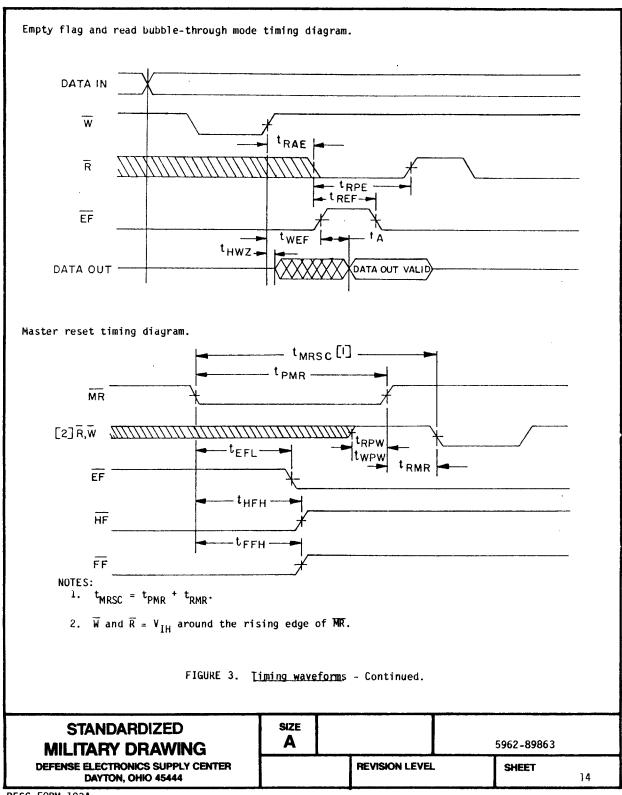
- 1. $t_{RTC} = t_{PRT} + t_{RTR}$.
- 2. $\overline{\text{EF}}$, $\overline{\text{HF}}$, and $\overline{\text{FF}}$ may change state during retransmit as a result of the offset of the read and write pointer, but flags will be valid at t_{RTC} .

FIGURE 3. Timing waveforms - Continued.



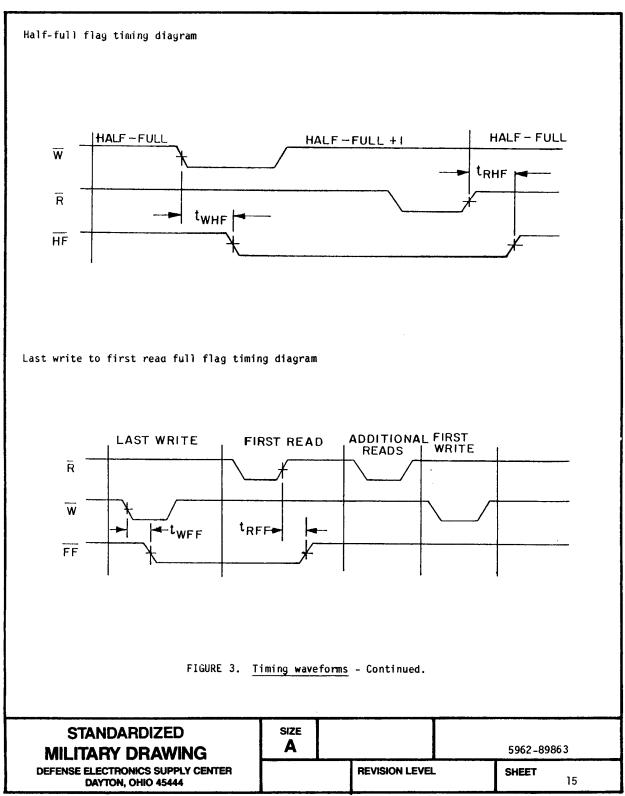
DESC FORM 193A SEP 87

★ U. S. GOVERNMENT PRINTING OFFICE: 1988—549-904



DESC FORM 193A SEP 87

± U. S. GOVERNMENT PRINTING OFFICE: 1988---549-904

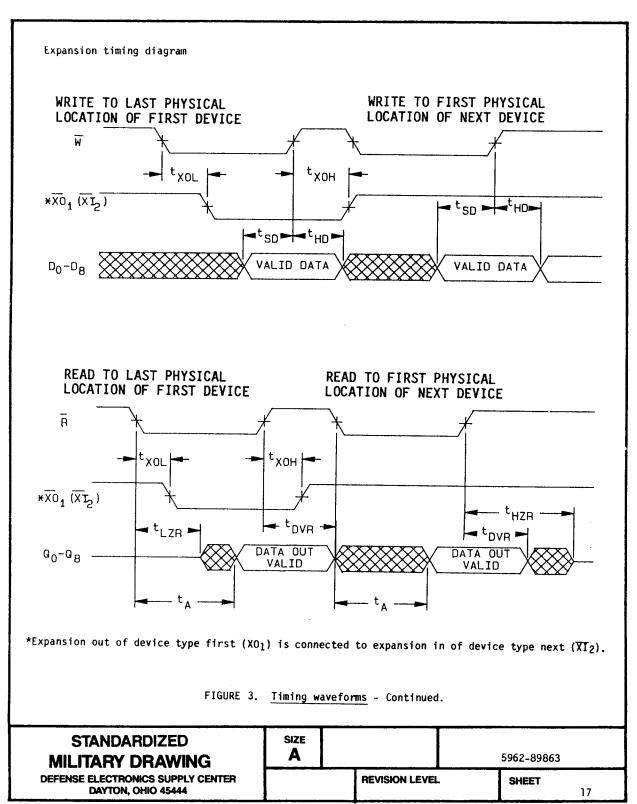


DESC FORM 193A SEP 87

± U. S. GOVERNMENT PRINTING OFFICE: 1988--549-904

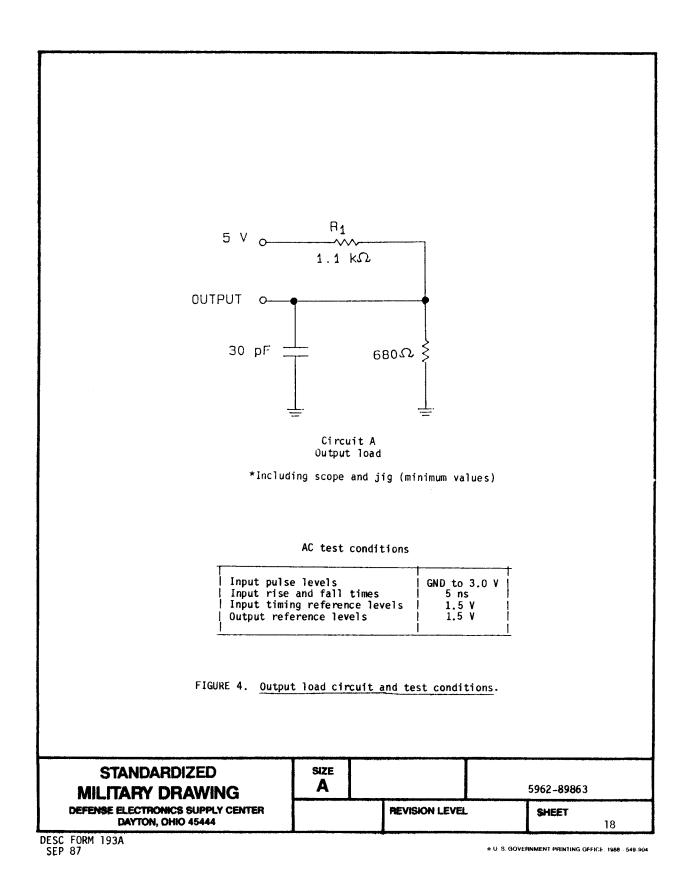
± U. S. GOVERNMENT PRINTING OFFICE: 1988--549-904

Powered by ICminer.com Electronic-Library Service CopyRight 2003



DESC FORM 193A SEP 87

th U. S. GOVERNMENT PRINTING OFFICE, 1988--549-904



Powered by ICminer.com Electronic-Library Service CopyRight 2003

- 3.7 Certificate of conformance. A certificate of conformance as required in MIL-STD-883 (see 3.1 herein) shall be provided with each lot of microcircuits delivered to this drawing.
- 3.8 Notification of change. Notification of change to DESC-ECS shall be required in accordance with MIL-SID-883 (see 3.1 herein).
- 3.9 Verification and review. 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.
 - 4. QUALITY ASSURANCE PROVISIONS
- 4.1 Sampling and inspection. 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).
- 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.
 - Test condition D or E using the circuit submitted with the certificate of compliance (see 3.6 herein).
 - (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.
- 4.3 Quality conformance inspection. Quality conformance inspection shall be in accordance with method 5005 of MIL-SID-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 ($C_{\rm IN}$ and $C_{\rm OUT}$ measurements) shall be measured only for the initial test and after any process or design changes which may affect capacitance. Sample size is 15 devices with no failures, and all input and output terminals tested.
 - d. Subgroups 7 and 8 shall include verification of the truth tables.
 - 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:
 - Test condition D or E using the circuit submitted with the certificate of compliance (see 3.6 herein).
 - (2) $T_A = +125^{\circ}C$, minimum.
 - (3) Test duration: 1,000 hours, except as permitted by method 1005 of MIL-STD-883.

STANDARDIZED MILITARY DRAWING	SIZE A		Ę	962-89863	
DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OHIO 45444		REVISION	LEVEL	SHEET 19	

DESC FORM 193A

SEP 87

U. S. GOVERNMENT PRINTING OFFICE: 1988—549-904

TABLE II. Electrical test requirements.

 MIL-STD-883 test requirements 	Subgroups (per method 5005, table I)
 Interim electrical parameters (method 5004)	
Final electrical test parameters (method 5004)	 1*,2,3,7*,8A,8B
 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)	2,3,7,8A,8B

- * PDA applies to subgroup 1 and 7.
- ** For subgroup 4, see 4.3.1c.
 *** For subgroups 7 and 8, see 4.3.1d.

PACKAGING

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

6. NOTES

- 6.1 Intended use. 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 grawing 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 Replaceability. Microcircuits covered by this drawing will replace the same generic device covered by a contractor-prepared specification or drawing.
- 6.3 Configuration control of SMDs. All proposed changes to existing SMDs 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).
- 6.4 Record of users. Military and industrial users shall inform Defense Electronics Supply Center when a system application requires configuration control and the applicable SMD. 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 microelectronics devices (FSC 5962) should contact DESC-ECS, telephone (513) 296-6022.
- 6.5 Comments. Comments on this drawing should be directed to DESC-ECS, Dayton, Ohio 45444, or telephone (513) 296-5375.

SIZE STANDARDIZED Α MILITARY DRAWING 5962-89863 DEFENSE ELECTRONICS SUPPLY CENTER REVISION LEVEL SHEET DAYTON, OHIO 45444 20

DESC FORM 193A SEP 87

★ U. S. GOVERNMENT PRINTING OFFICE: 1988—549-904

6.6 Approved sources of supply. Approved sources of supply 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.

·	·	
Military drawing PIN 	Vendor CAGE number	Vendor similar PIN <u>1</u> /
5962 -8986301UX	61772	IDT7201SA80XEB
5962-8986301XX	61772	IDT7201SA80DB
5962-8986301YX	61772	IDT7201SA80TCB
5962-8986301ZX	61772	IDT7201SA80LB
5962-8986302UX	65786 61772	 CY7C421-65KMB
 5962-8986302XX 	 65786 61772	CY7C420-65DMB
5962-8986302YX	65786 61772	
 5962-8986302ZX 	 65786 61772	 CY7C421-65LMB
 5962-8986303UX 		 CY7C421-50KMB
5962 -8986303XX 		CY7C420-50DMB IDT7201SA50DB
 5962-8986303YX 	,	 CY7C421-50DMB
 5962-8986303ZX 	65786 61772	 CY7C421-50LMB
 5962	 65786 61772	
 5962-8986304XX 	65786 61772	CY7C420-40DMB IDT7201SA40DB

STANDARDIZED MILITARY DRAWING DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OHIO 45444 SIZE A 5962-89863 REVISION LEVEL SHEET 21

DESC FORM 193A SEP 87

± U. S. GOVERNMENT PRINTING OFFICE: 1988--549-904

 Military drawing PIN 	Vendor CAGE number	Vendor similar PIN <u>1</u> /
 5962-8986304YX 	65786 61772	 CY7 C421 - 40DMB IDT7201SA40TCB
 5962-8986304ZX 	65786	 CY7C421-40LMB IDT7201SA40LB
 5962-8986305UX 	65786	 CY7C421-30KMB IDT7201SA30XEB
 5962-8986305XX 	65786 61772	CY7C420-30DMB IDT7201SA30DB
 5962-8986305YX 	 65786 61772	 CY7C421-30DMB IDT7201SA30TCB
 5962-8986305ZX	 65786 61772	 CY7C421-30LMB IDT7201SA30LB
5962-8986306UX	65786	CY7C421-25KMB
5962-8986306XX	65786	CY7C420-25DMB
5962-8986306YX	65786	CY7C421-25DMB
 5962	65786	 CY7C421-25LMB

Caution. Do not use this number for item acquisition. Items acquired to this number may not satisfy the performance requirements of this drawing.

Vendor CAGE number 65786

61772

Vendor name and address

Cypress Semiconductor 3901 N. First Street San Jose, CA 95134

Integrated Device Technology, Incorporated

1556 Moffett Boulevard

Salinas, CA 93905 Point of contact: 3236 Scott Boulevard Santa Clara, CA 95054

STANDARDIZED MILITARY DRAWING

DEFENSE ELECTRONICS SUPPLY CENTER DAYTON, OHIO 45444

SIZE Α REVISION LEVEL

5962-89863

SHEET

JAN O 7 1991 SEP 87

U. S. GOVERNMENT PRINTING OFFICE: 1988-549-904

22

019378 _ _ _