

INCH POUND

MIL-M-38510/653A
AMENDMENT 3
5 May 2001
SUPERSEDING
MIL-M-38510/653A
AMENDMENT 2
20 April 1998

MILITARY SPECIFICATION

MICROCIRCUITS, DIGITAL, HIGH SPEED, CMOS,
FLIP-FLOPS, MONOLITHIC SILICON, POSITIVE LOGIC

Inactive for new design after 9 August 1996

This amendment forms a part of MIL-M-38510/653A, dated 15 January 1988,
and is approved for use by all Departments and Agencies of the Department of Defense

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TABLE I, Additional supply current quiescent per input pin: delete in its entirety and substitute as follows:

Additional supply current quiescent per input pin (one unit load)	I_{CCA} g/	For all inputs, $V_{IL} = 0.4 V$ and $V_{IH} = 2.4 V$, Test pin at $V_{IN} = 2.4 V$, When not being tested, control pins at $V_{IH} = V_{CC}$ and $V_{IL} = GND$, $I_O = 0 \mu A$	52	5.5 V		3.0	mA
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* NOTE 3, delete in its entirety and substitute as follows:

3. For dynamic burn-in, the generator shall be connected to clock and J – K or D (depending on device type) inputs and reset shall be connected to clock/2. Outputs shall be connected to $V_{CC}/2 + 0.5 V$ through the resistors. $R = 680\Omega$ to $1 k\Omega$ for outputs, 470Ω to $47 k\Omega$ for inputs.

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TABLE III, device type 52, I_{CCΔ}, test numbers 219 and 226: delete in its entirety and substitute as follows:

I _{CCΔ}	219	2.4 V	0.4 V	0.4 V	0.4 V			GND			0.4 V	0.4 V	0.4 V	0.4 V	5.5 V	V _{CC}		3.0		3.0		3.0	mA
	220	0.4 V	2.4 V	"	"			"			"	"	"	"	"	"		"		"		"	"
	221	"	0.4 V	2.4 V	"			"			"	"	"	"	"	"		"		"		"	"
	222	"	"	0.4 V	2.4 V			"			"	"	"	"	"	"		"		"		"	"
	223	"	"	"	0.4 V			"			2.4 V	"	"	"	"	"		"		"		"	"
	224	"	"		"			"			0.4 V	2.4 V	"	"									
	225	"	"		"			"			"	0.4 V	2.4 V	"									
	226	"	"	"	"			"			"	"	0.4 V	2.4 V	"	"		"		"		"	"

NOTE: The margins of this amendment are marked with an asterisk to indicate where changes (additions, modifications, corrections, deletions) from the previous amendment were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous amendment.

CONCLUDING MATERIAL

Custodians:
Army - CR
Navy - NW
Air Force - 11
NASA - NA

Preparing activity:
DLA - CC

Review activities:
Army - AR, MI, SM
Air Force - 19, 99
Navy - AS, CG, MC, OS, SH, TD

(Project 5962-1890)