

MILITARY SPECIFICATION
MICROCIRCUITS, DIGITAL, BIPOLAR, PROGRAMMABLE LOGIC,
MONOLITHIC SILICON

This amendment forms a part of MIL-M-38510/506, dated 31 March 1987, and is approved for use by all Departments and Agencies of the Department of Defense.

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TABLE III, I_{IL} , test no. 43, pin 14: Delete "0.4 V".

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TABLE III, I_I , test no. 66, pin 13: Add "5.5 V".

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Footnote 1/, delete and substitute the following:

"1/ For unprogrammed devices circuit C, for V_{OL} , V_{OH} , I_{OZH} , I_{OZL} , and I_{OS} , use input conditions defined as follows:

V_{OL} :

A clock pulse on pin 1, 10.5 V on pins 2-9 and 11, and GND on pin 10. Outputs are on pins 12-15.

10.5 V on pins 1-9, GND on pin 10, and a clock pulse on pin 11. Outputs are on pins 16-19.

V_{OH} :

A clock pulse on pin 1, GND on pins 2-10, and 10.5 V on pin 11. Outputs are pins 12-15.

10.5 V on pin 1, GND on pins 2-10, and a clock pulse on pin 11. Outputs are on pins 16-19.

I_{OZH} and I_{OZL} :

A clock pulse on pin 1, 4.5 V on pin 2, 10.5 V on pins 3-9, GND on pin 10, and 2.0 V on pin 11. Outputs are on pins 12-19.

I_{OS} :

Generate the proper output state by applying the conditions for V_{OH} . Short only one output at a time. Duration of the short should not exceed 1 second."

Footnote 4/. delete and substitute the following:

"4/ For programmed devices only, the outputs are loaded in accordance with figure 5."

Footnote 6/. delete and substitute the following:

"6/ For programmed devices only, external output enable set ($\overline{OE} = \text{GND}$)."

Footnote 7/. delete and substitute the following:

"7/ For programmed devices only, external output enable set ($\overline{OE} = 2.0 \text{ V}$)."

MIL-M-38510/506
AMENDMENT 1

Custodians:

Army - ER
Navy - EC
Air Force - 17

Review activities:

Army - AR, MI
Navy - OS, SH, TD
Air Force - 11, 19, 85, 99
DLA - ES

User activities:

Army - SM
Navy - AS, CG, MC

Preparing activity:

Air Force - 17

Agent:

DLA - ES

(Project 5962-1105)