

TINCH-POUND

MIL-M-38510/600
AMENDMENT 2
9 NOVEMBER 1989
SUPERSEDING
AMENDMENT 1
5 February 1988

MILITARY SPECIFICATION

MICROCIRCUITS, DIGITAL, BIPOLAR,
SEMICUSTOM (GATE ARRAY) DEVICES,
MONOLITHIC SILICON

This amendment forms a part of MIL-M-38510/600, dated 27 February 1987, and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 1

1.3, junction temperature: Delete "+140°C" and substitute "+200°C".

PAGE 2

2.3, delete and substitute:

"2.3 Order of precedence. In the event of a conflict between the text of this specification and the references cited herein (except for associated detail specifications, specification sheets or MS standards), the text of this specification shall take precedence. Nothing in this specification, however, shall supersede applicable laws and regulations unless a specific exemption has been obtained. The altered item drawing (AID) that forms a part of this specification shall not take precedence over the requirements of this specification."

PAGE 3

* 3.2.8, delete and substitute:

"3.2.8 Fault coverage. The manufacturing level logic test vectors shall be graded ~~for fault coverage~~ using a fault simulator. The resulting fault coverage shall be reported in the AID. For devices qualified on or after 1 January 1991, fault coverage shall be measured and reported in accordance with MIL-STD-883 test method 5012. For devices qualified prior to 1 January 1991, it is not a requirement that fault coverage be measured and reported in accordance with test method 5012; however, any differences between methods used for fault coverage and reporting, and test method 5012, shall be noted in the AID."

PAGE 4

Following 3.8, add the following new paragraph:

"3.8.1 Total dose radiation hardness identifier. The total dose radiation hardness identifier shall be in accordance with MIL-M-38510 and herein."

PAGE 5

Following 3.13, add the following new paragraph:

"3.14 Microcircuit group assignment. The devices covered by this specification shall be in microcircuit group number 109 (see MIL-M-38510, appendix E)."