

MILITARY SPECIFICATION
MICROCIRCUITS, DIGITAL, N-CHANNEL, SILICON GATE
MONOLITHIC 16-BIT MICROPROCESSOR

This amendment forms a part of MIL-M-38510/520B, dated 20 June 1983, and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 1

- 1.2.3, following case outline for letters Y and Z: Delete "Option A".
- * 1.3, Power dissipation per package: Delete "2.5" and substitute "2.2".
 - * 1.3, Thermal resistance, junction to case: Delete "(Case Q) - - - 30°C/W" and substitute "Cases Q, X, Y, Z - - - 14°C/W".

PAGE 2

- * 1.4, following case operating temperature range: Delete "110°C" (changed by previous amendment) and substitute "125°C".

PAGE 3

- * TABLE I, conditions column: Delete "110°C" (changed by previous amendment) and substitute "125°C", make this same change on pages 4, 5, and 6.
- * TABLE I, I_{CC}, Maximum limits column: Delete "350" and substitute "400".

PAGE 8

- * TABLE II, final electrical parameters, class B column: Delete "9" (changed by previous amendment) and add "***9".
- * TABLE II, group C and D end-point electrical, class B column: Delete "1, 2, 3, 7, 8" as deleted by previous amendment and substitute "1, 7, 8" (two places).

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- 4.4.1.b, first sentence following the word "process": Add "or package".
- * 4.4.2, following paragraph, add the following new sentence: "This subgroup shall be done for initial qualification and following process or design changes only".
- Bottom of page, "text continues" note: Delete "75" and substitute "78".

PAGE 17

NOTE 4: Delete "10 kΩ" and substitute "1 kΩ".

PAGE 24

- * Subgroup 3, following I_{CC}: Delete "350" and substitute "400".

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4.5.2, first sentence: Delete "BUSAK" and substitute "BUSREQ".

6.2, delete and substitute:

"6.2 Test vector table. The table V test vectors, which form a part of this detail specification, are not printed herein due to their extreme length and complexity. Table V is a software control program of the sequence of vectors needed for driving the devices represented in this detail specification sheet, as part of the inspection required by table II herein. Table V is only generated when a qualified source exists for this specification. When a qualified source exists, a single hard copy printout of table V is maintained for reference purposes only by the Defense Electronic Supply Center (DESC). DESC-ECS may be consulted for information on obtaining a copy."

The margins of this amendment are marked with an asterisks 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.

Custodians:
Army - ER
Navy - EC
Air Force - 17

Preparing activity:
Air Force - 17

Agent:
DLA - ES

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

(Project 5962-0877)

User activities:
Army - SM
Navy - AS, CG, MC