

INCH-POUND

MIL-C-83503A
 AMENDMENT 2
3 March 1995
 SUPERSEDING
 AMENDMENT 1
 13 December 1985

MILITARY SPECIFICATION

CONNECTORS, ELECTRICAL, FLAT CABLE, AND/OR
 PRINTED WIRING BOARD, NONENVIRONMENTAL
 GENERAL SPECIFICATION FOR

This amendment forms a part of MIL-C-83503A, dated 1 July 1983, and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 2

2.1, add

"MIL-STD-202 - Test Methods for Electronic and Electrical Component Parts "

PAGE 3

Add the following new paragraph:

"3.3.2.1.2 3.4 Insulation displacing connectors. Unless otherwise specified, insulation displacing connectors shall be assembled with M22520/32 tool utilizing the appropriate termination die and connector holder."

PAGE 5

Add the following new paragraph:

"3.5.19 Solderability. Solder tail terminations shall withstand the test specified in 4.7.19."

PAGE 6

4 5.1, delete "Eight" and substitute "Ten".

PAGE 7

TABLE 1, add:

"Group VI (2 sample units) 2/

Solderability

3.5.19

4.7.19"

Add the following footnote:

"2/ These samples shall not be subjected to any test in any other group "

PAGE 8

4 6.1.3 1, delete "Four" and substitute "Six".

MIL-C-83503A

Page 8

Table II Revise Table II and associated notes, adding Note 3/ as shown below

TABLE II Group A inspection

Inspection	Requirements paragraph	Method paragraph	AQL (percent defective)	
			Major 1/	Minor 2/
Visual and mechanical 3/ examination	3 1, 3.3, 3 4, 3 6, and 3 7	4.7.1	1 0	4 0
Insulation resistance	3.5 2	4 7.3	4 0	
Dielectric withstanding voltage (sea level)	3.5 3	4.7 4.1	4 0	

1/ Major defects.

Malfunction of contacts
 Inability to mate with counterpart
 Part missing
 Incorrect marking
 Inability to seal properly (when applicable)
 Mounting hole dimensions in error
 Incorrect materials
 Poor contact finish

2/ Minor defects:

Poor exterior finishes
 Incorrect exterior or outline dimensions not
 preventing engagement or mounting
 Minor workmanship flaws

3/ Mechanical inspection measurements on two samples only.

If one or more of the two samples fail, the lot sample
 will then be inspected for physical dimensions in accordance
 with the AQL specified in table II

PAGE 9

TABLE III, add

"Subgroup III (2 samples)

Solderability	3.5 19	4.7.19"
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PAGE 14

Add the following new paragraph:

"4 7.19 Soderability (see 3.5.19). The solder tail terminals shall be subjected to the testing as specified in method 208 of MIL-STD-202."

CONCLUDING MATERIAL

Custodians
 Air Force - 85

Preparing activity
 DLA - ES

Review Activities
 Air Force - 11, 99, 17

(Project 5935-F526)