

INCH-POUND

11 August 1993
MIL-C-28804C
AMENDMENT 1

MILITARY SPECIFICATION SHEET

CONNECTORS, PLUG AND RECEPTACLE , ELECTRIC,
RECTANGULAR, HIGH DENSITY, POLARIZED CENTER JACKSCREW,
GENERAL SPECIFICATION FOR

This amendment forms a part of MIL-C-28804C, dated 12 April 1991, and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 3

After ELECTRONIC INDUSTRIES ASSOCIATION (EIA), delete:

"EIA-364-11-1987 - Test Procedure No. 11, Resistance to Solvents, Test Procedure for electrical Connectors

PAGE 11

3.5.24, delete in its entirety.

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PAGE 13

TABLE IX, delete and substitute:

TABLE IX. Qualification and periodic inspection (connectors).

Inspection	Requirement paragraph	Method paragraph	Test samples									
			1	2	3	4	5	6 2/	7	8	9	
Inspection of product	3.1, 3.3, 3.4, 3.5.26, and 3.5.27	4.7.1	X	X	X	X	X	X	X	X	X	X
Magnetic permeability 1/	3.5.1	4.7.2			X	X						
Maintenance aging (crimp contact only)	3.5.2	4.7.3	X		X							
Contact insertion and removal force	3.5.3	4.7.4	X		X							
Mating and unmating force	3.5.4	4.7.5	X		X							
Contact retention	3.5.5	4.7.6	X	X	X	X						
Dielectric withstanding voltage 1/												
At sea level	3.5.6	4.7.7.1	X	X	X	X	X					
At altitude	3.5.6	4.7.7.2	X	X	X	X	X					
Insulation resistance 1/	3.5.7	4.7.8	X	X	X	X	X					
Contact resistance 2/	3.5.8	4.7.9	X	X	X	X						
Contact engagement and separation force 2/	3.5.9	4.7.10	X	X	X	X	X					
Mating and unmating force	3.5.4	4.7.5	X	X	X	X	X					
Thermal shock	3.5.10	4.7.11	X	X	X	X	X					
Humidity	3.5.11	4.7.12	X	X	X	X	X					
Dielectric withstanding voltage	3.5.6	4.7.7	X	X	X	X	X					
Insulation resistance	3.5.7	4.7.8	X	X	X	X	X					
Vibration	3.5.12	4.7.13	X	X	X	X	X					
Shock (specified pulse)	3.5.13	4.7.14	X	X	X	X	X					
Durability	3.5.14	4.7.15	X	X	X	X	X					
Mating and unmating force	3.5.4	4.7.5	X	X	X	X	X					
Contact engagement and separation force	3.5.9	4.7.10	X	X	X	X	X					
Altitude immersion	3.5.22	4.7.23	X	X	X	X	X					
Salt spray (corrosion)	3.5.15	4.7.16	X	X	X	X	X					
Mating and unmating force	3.5.4	4.7.5	X	X	X	X	X					
Contact resistance	3.5.8	4.7.9	X	X	X	X	X					
Contact retention	3.5.5	4.7.6	X	X	X	X						
Oversize pin exclusion 2/	3.5.16	4.7.17	X	X	X	X						
Contact resistance 2/	3.5.8	4.7.9	X	X	X	X						
Probe damage 2/	3.5.17	4.7.18	X	X	X	X						
Contact engagement and separation force 2/	3.5.9	4.7.10	X	X	X	X						
Fluid immersion 1/	3.5.18	4.7.19	X	X	X	X	X					
Mating and unmating force 1/	3.5.4	4.7.5	X	X	X	X	X					
Crimp contact deformation 1/ 2/	3.5.19	4.7.20						X				
Contact pin strength 1/ 2/	3.5.20	4.7.21						X				
Crimp tensile strength 1/ 2/	3.5.21	4.7.22						X				
Inspection of product 1/ 2/	3.1, 3.3, 3.4, 3.5.26, and 3.5.27	4.7.1	X	X	X	X	X	X				
Resistance to solder heat 1/ 3/	3.5.23	4.7.24							X	X	X	
Contact retention 1/ 3/	3.5.5	4.7.6							X	X	X	
Solderability (printed wiring tails only)	3.5.25	4.7.26							X	X	X	
Inspection of product 1/ 3/	3.1, 3.3, 3.4, 3.5.26, and 3.5.27	4.7.1							X	X	X	

1/ Not applicable for retention of qualification.

2/ When using previously qualified crimp contacts these tests are not required.

3/ Connectors with printed wiring tails only

4.7.25, delete in its entirety

CONCLUDING MATERIAL

Custodians.

Army - CR
Navy - EC
Air Force - 85

Review activities:

Army - AT, MI
Navy - AS
Air Force - 99
DLA - ES

User activities:

Army - AM, AR, ME
Navy - NC

Preparing activity
Navy - EC

Agent:
DLA - ES

(Project 5935-3950)