

APPROVED 1 Feb 1962 REVISED (A) 20 Dec 1965 (B) 20 May 1970 (C) 8 July 1976

USCARS
Army
Navy
Air Force

Reviewer activities
Army
Navy
Air Force
ML, NU, AT
AS, SH, OS
11, 80
DSA - ES

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use is required from this document.

FED SUP CLASS
5935

TYPE
SEE TABLE I

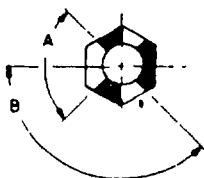


TABLE I		
TYPE	A	B
1	90°	135°
2	85°	137°30'

TABLE II		
MS PART NUMBER	POLARIZATION *	JACKSCREW
MS 17779-1N	N (TYPE 1)	SUPPLIED WITH CONNECTOR
MS 17779-1V	V (TYPE 1)	
MS 17779-1W	W (TYPE 1)	
MS 17779-1X	X (TYPE 2)	
MS 17779-1Y	Y (TYPE 2)	
MS 17779-1Z	Z (TYPE 2)	
MS 17779-2N	N (TYPE 1)	NOT SUPPLIED WITH CONNECTOR POLARIZING BOSS THREADED INTERNALLY 250-28 UNF-2B
MS 17779-2V	V (TYPE 1)	
MS 17779-2W	W (TYPE 1)	
MS 17779-2X	X (TYPE 2)	
MS 17779-2Y	Y (TYPE 2)	
MS 17779-2Z	Z (TYPE 2)	

TABLE III		
MS PART NUMBER	POLARIZATION *	GUIDE PIN
MS 17779-3N	N (TYPE 1)	SUPPLIED WITH CONNECTOR
MS 17779-3V	V (TYPE 1)	
MS 17779-3W	W (TYPE 1)	
MS 17779-3X	X (TYPE 2)	
MS 17779-3Y	Y (TYPE 2)	
MS 17779-3Z	Z (TYPE 2)	
MS 17779-4N	N (TYPE 1)	NOT SUPPLIED WITH CONNECTOR POLARIZING BOSS WITH 254 ± 002 I D TO ACCEPT GUIDE PIN
MS 17779-4V	V (TYPE 1)	
MS 17779-4W	W (TYPE 1)	
MS 17779-4X	X (TYPE 2)	
MS 17779-4Y	Y (TYPE 2)	
MS 17779-4Z	Z (TYPE 2)	

* LARGE OPENING IN POLARIZATION BOSS MUST BE ADJACENT TO POLARIZATION LETTER ON CONNECTOR BODY.

P A Navy - EC	International Interiors	TITLE INSERT (INSULATOR), RECTANGULAR CONNECTOR, POLARIZED CENTER SCREW- LOCK, ELECTRICAL, 104 (SIZE 16 CRIMP REMOVABLE) SOCKET CONTACTS	MILITARY STANDARD
Other Cust AF - 85 Army - EL			MS 17779
Procurement Specification MIL-C-28748		SUPERSEDES	SHEET 2 OF 3

DD FORM 1 SEP 63 672 (Coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5935-2004-4

APPROVED 1 Feb 1962 REVISED © For changes see sheets 1, 2 and 3

FED SUP CLASS
5935

Army MI, MU, AT
Navy AS, SH, OS
Air Force 11, 80
DSA - ES

Defense Selection for all new engineering and design applications and for repetitive use
in A technical document

Review Activities

User activities

Army MIL, AV, WC
Navy MC
Air Force

INCHES	MM	INCHES	MM
001	03	450	11 43
002	05	520	13 21
005	13	525	13 34
006	15	550	13 97
010	25	600	15 24
060	1 52	675	17 15
075	1 91	750	19 05
130	3 30	810	20 57
149	3 78	812	20 62
150	3 81	825	20 96
156	3 96	900	22 86
218	5 54	923	23 44
225	5 72	975	24 77
246	6 25	1 250	31 75
250	6 35	1 350	34 29
260	6 60	1 438	36 53
287	7 29	2 156	54 76
300	7 62	2 500	63 50
375	9 53	2 875	73 03
390	9 91		
437	11.10		

NOTES

1. Dimensions are in inches.
2. Unless otherwise specified, tolerance is $\pm .015$ (.38 mm).
3. Metric equivalents (to the nearest .01 mm) are given for general information only and are based upon 1 inch = 25.4 mm.
4. Tolerance between any two adjacent contact centers shall be $\pm .004$ (.10 mm). Tolerance between any two contact centers, other than adjacent contacts, shall be $\pm .006$ (.15 mm).
5. Contact hole details shall be in accordance with MIL-C-28748.
6. For mating connector see MS17778 (pin body)
7. Dimensions symmetrical about centerlines
8. For design feature purposes, this standard takes precedence over procurement documents referenced herein.
9. Reference documents shall be of the issue in effect on date of invitation for bid.
10. Insert material shall be in accordance with MIL-C-28748
11. Flatness, squareness and parallelism shall be within dimensional tolerances
12. Center polarizing hardware may be rotated by removing retaining ring and spacer or removing cap (left hand thread) at rear of insert
13. Maximum insertion and withdrawal force (connector assembly) shall be 100 pounds.
14. Maximum torque required at jackscrew to properly engage or disengage connector shall be 7 inch pounds.
15. Jackscrew wrench size 5/32 hex.

APPROVED 1 Feb 1962 REVISED © For changes see sheets 1, 2 and 3

DA Navy - EC	International Interiors	TITLE INSERT (INSULATOR), RECTANGULAR CONNECTOR, POLARIZED CENTER SCREW- LOCK, ELECTRICAL, 104 (SIZE 16 CRIMP REMOVABLE) SOCKET CONTACTS	MILITARY STANDARD
MIL-C-28748		SUPERSEDES	MS 17779
DD FORM 1 SEP 81 672			SHEET 3 OF 3

(Coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5935-2004-4