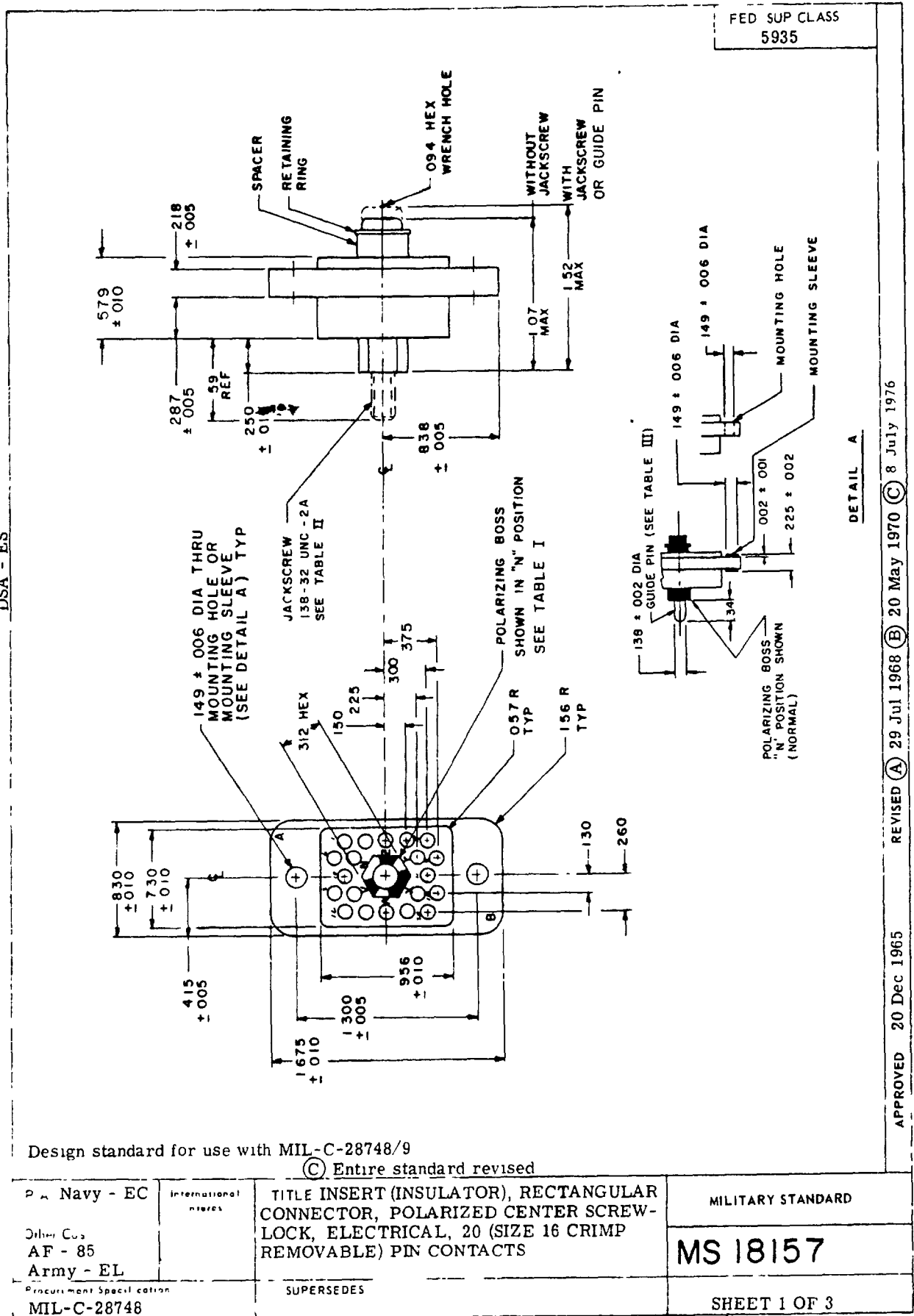


User activities: Army ME, AV, WC  
 Navy MC  
 Air Force  
 Reviewer activities: Army MI, MU, AT  
 Navy AS, SH, OS  
 Air Force II, 80  
 DSA - ES

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.



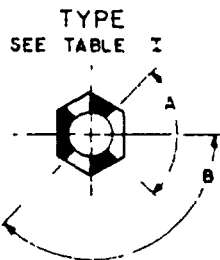
FED SUP CLASS  
5935

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

TABLE II		
MS PART NUMBER	POLARIZATION *	JACKSCREW
MS 18157-1N	N (TYPE 1)	SUPPLIED WITH CONNECTOR
MS 18157-1V	V (TYPE 1)	
MS 18157-1W	W (TYPE 1)	
MS 18157-1X	X (TYPE 2)	
MS 18157-1Y	Y (TYPE 2)	
MS 18157-1Z	Z (TYPE 2)	
MS 18157-2N	N (TYPE 1)	NOT SUPPLIED WITH CONNECTOR POLARIZING BOSS THREADED INTERNALLY 138-32 UNC-2B
MS 18157-2V	V (TYPE 1)	
MS 18157-2W	W (TYPE 1)	
MS 18157-2X	X (TYPE 2)	
MS 18157-2Y	Y (TYPE 2)	
MS 18157-2Z	Z (TYPE 2)	

TABLE III		
MS PART NUMBER	POLARIZATION *	GUIDE PIN
MS 18157-3N	N (TYPE 1)	SUPPLIED WITH CONNECTOR
MS 18157-3V	V (TYPE 1)	
MS 18157-3W	W (TYPE 1)	
MS 18157-3X	X (TYPE 2)	
MS 18157-3Y	Y (TYPE 2)	
MS 18157-3Z	Z (TYPE 2)	
MS 18157-4N	N (TYPE 1)	NOT SUPPLIED WITH CONNECTOR POLARIZING BOSS WITH 144 ± 002 ID TO ACCEPT GUIDE PIN
MS 18157-4V	V (TYPE 1)	
MS 18157-4W	W (TYPE 1)	
MS 18157-4X	X (TYPE 2)	
MS 18157-4Y	Y (TYPE 2)	
MS 18157-4Z	Z (TYPE 2)	

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

P A Navy - EC

International  
interestTITLE INSERT (INSULATOR), RECTANGULAR  
CONNECTOR, POLARIZED CENTER SCREW-  
LOCK, ELECTRICAL, 20 (SIZE 16 CRIMP  
REMOVABLE) PIN CONTACTS

MILITARY STANDARD

Other Cost  
AF - 85

Army - EL

Procurement Specification  
MIL-C-28748

SUPERSEDES

MS 18157

SHEET 2 OF 3

DD FORM 672  
1 SEP 63

(Coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5935-2004-7

Reviewer activities: Arm, MI, MU, AT, Navy, AS, SH, OS, Air Force 11, 80, DSA - ES

User activities: Arm, ME, AV, WC, Navy, MC, Air Force

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 1 to document.

APPROVED 20 Dec 1965 REVISED © For changes see sheets 1, 2 and 3

FED SUP CLASS  
5935User activities Army ME, AV, WC  
Navy MC  
Air ForceReviewer activities Army MI, MU, AT  
Navy AS, SH, OS  
Air Force 11, 80  
DSA - ES

INCHES	MM	INCHES	MM
001	03	287	7 29
002	05	300	7 62
005	13	312	7 93
006	15	340	8 64
010	25	375	9 53
057	1 45	415	10 54
094	2 39	579	14 71
130	3 30	590	14 99
138	3 51	730	18 54
149	3 78	830	21 08
150	3 81	838	21 29
156	3 96	956	24 28
218	5 54	1 070	27 18
225	5 72	1 300	33 02
250	6 35	1 520	37 61
260	6 60	1 675	42 55

## 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 MS18158 (socket 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 18 pounds.
14. Maximum torque required at jackscrew to properly engage or disengage connector shall be 2 inch pounds
15. Jackscrew wrench size 3/32 hex

APPROVED 20 Dec 1965 REVISED © For changes see sheets 1, 2 and 3

P A Navy - EC	International inserts	TITLE INSERT (INSULATOR), RECTANGULAR CONNECTOR, POLARIZED CENTER SCREW- LOCK, ELECTRICAL, 20 (SIZE 16 CRIMP REMOVABLE) PIN CONTACTS	MILITARY STANDARD
Other Cust AF - 85 Army - EL			MS 18157
Procurement Specification MIL-C-28748		SUPERSEDES	SHEET 3 OF 3

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

5935-2004-7

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