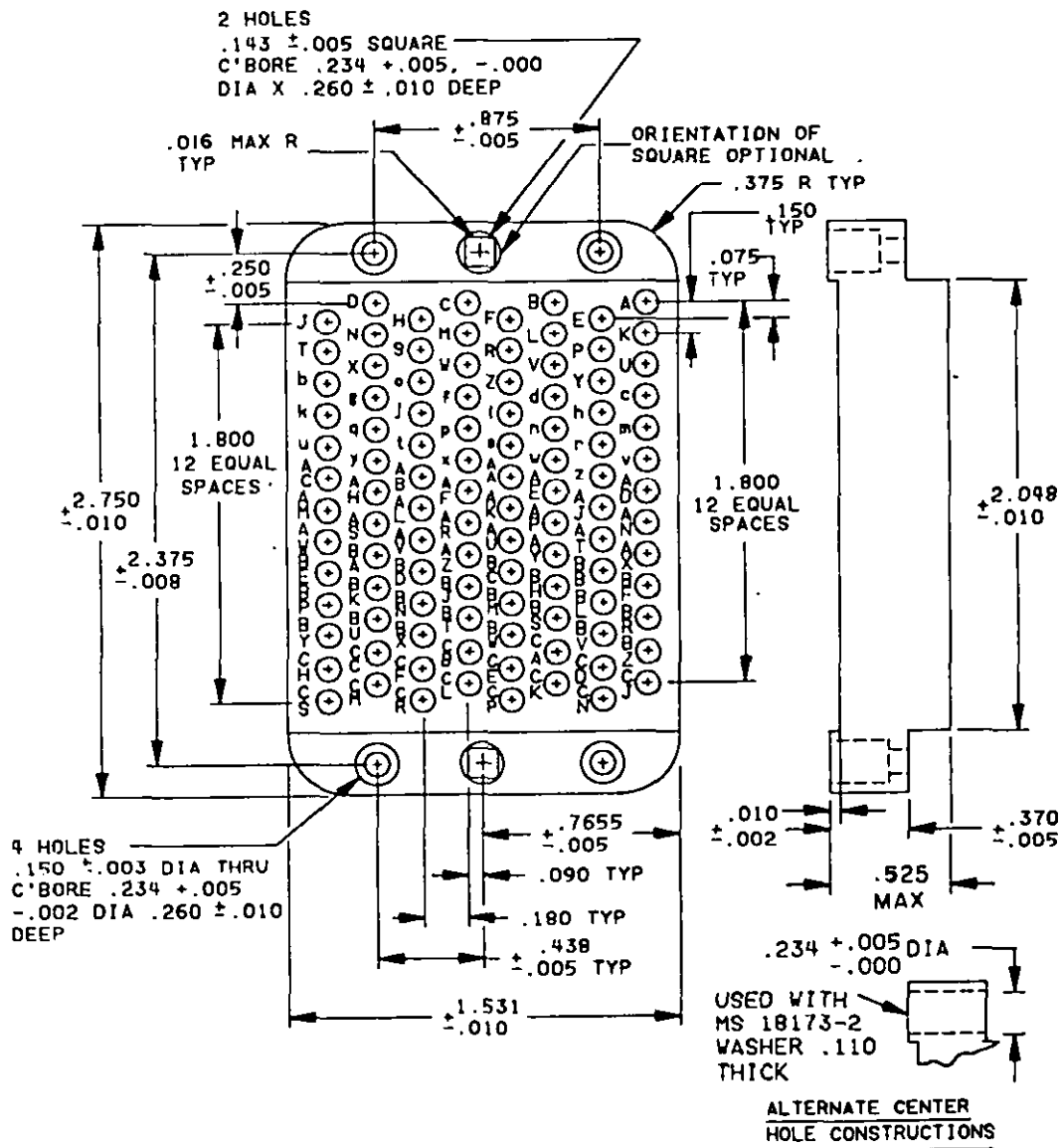


FED. SUP CLASS
5935User activities
Army - ME, AM, AR
Navy - ME, MC, OS
Air Force -Review activities
Army - MI, AT
Navy - AS, SH
Air Force - II

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

DLA-ES



DESIGN STANDARD FOR USE WITH MIL-C-28748/3.

MS Part No. MS18189-1 - Suitable for all applications
MS Part No. MS18189-2 - For long jackscrews and hood only
(thru hole alternate construction)

Ⓒ denotes changes

P.A. Navy - EC

International
Interest

TITLE

Insert (insulator), rectangular connector,
electrical, 104 (size 16 and 20 crimp
removable) pin contacts

MILITARY STANDARD

Other Cust AF-85

Army - CR

MS18189

Procurement Specification
MIL-C-28748

SUPERSEDES:

PAGE 1 OF 2

User activities. Army - ME, AM, AR
Navy - MC, OS
Air Force -

Review activities. Army - HJ, AT
Navy - AS, SH
Air Force - II
DLA-ES

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FED. SUP CLASS
5935

INCHES	MM
.002	0.05
.003	0.08
.005	0.13
.008	0.20
.010	0.25
.016	0.41
.075	1.91
.090	2.29
.110	2.79
.143	3.63
.150	3.81
.180	4.57
.234	5.94
.250	6.35
.260	6.60
.370	9.40
.438	11.13
.511	12.98
.7655	19.44
.875	22.23
1.531	38.89
1.800	45.72
2.048	52.02
2.375	60.33
2.750	69.85

NOTES:

1. Dimensions are in inches.
2. Unless otherwise specified, tolerance is ± 0.015 (0.38 mm).
3. Metric equivalents are given for general information only.
4. Tolerance between any two adjacent contact centers shall be ± 0.004 (0.10 mm). Tolerance between any two contact centers, other than adjacent contacts, shall be ± 0.006 (0.15 mm).
5. Contact identification may be located on either side of the contact hole but shall appear on the front and rear of each insert.
6. For design feature purposes, this standard takes precedence over procurement documents referenced herein.
7. Referenced documents shall be of the issue in effect on date of invitation for bid.
8. Designed for use with MIL-C-39029/34 contacts.
9. Contact hole details shall be in accordance with MIL-C-28748.
10. The maximum insertion and withdrawal force (connector assembly) shall be 130 pounds.
11. Insert material shall be in accordance with MIL-C-28748.

APPROVED 20 December 1965 REVISED A 20 May 1970 (B) 23 June 1972 (C) for changes see page 2 of 2

P.A. Navy - EC	International Interest	TITLE Insert (insulator), rectangular connector, electrical, 104 (size 16 and 20 crimp removable) pin contacts	MILITARY STANDARD
Other Cust AF-85			MS18189
Army - CR			
Procurement Specification MIL-C-28748	SUPERSEDES:		PAGE 2 OF 2