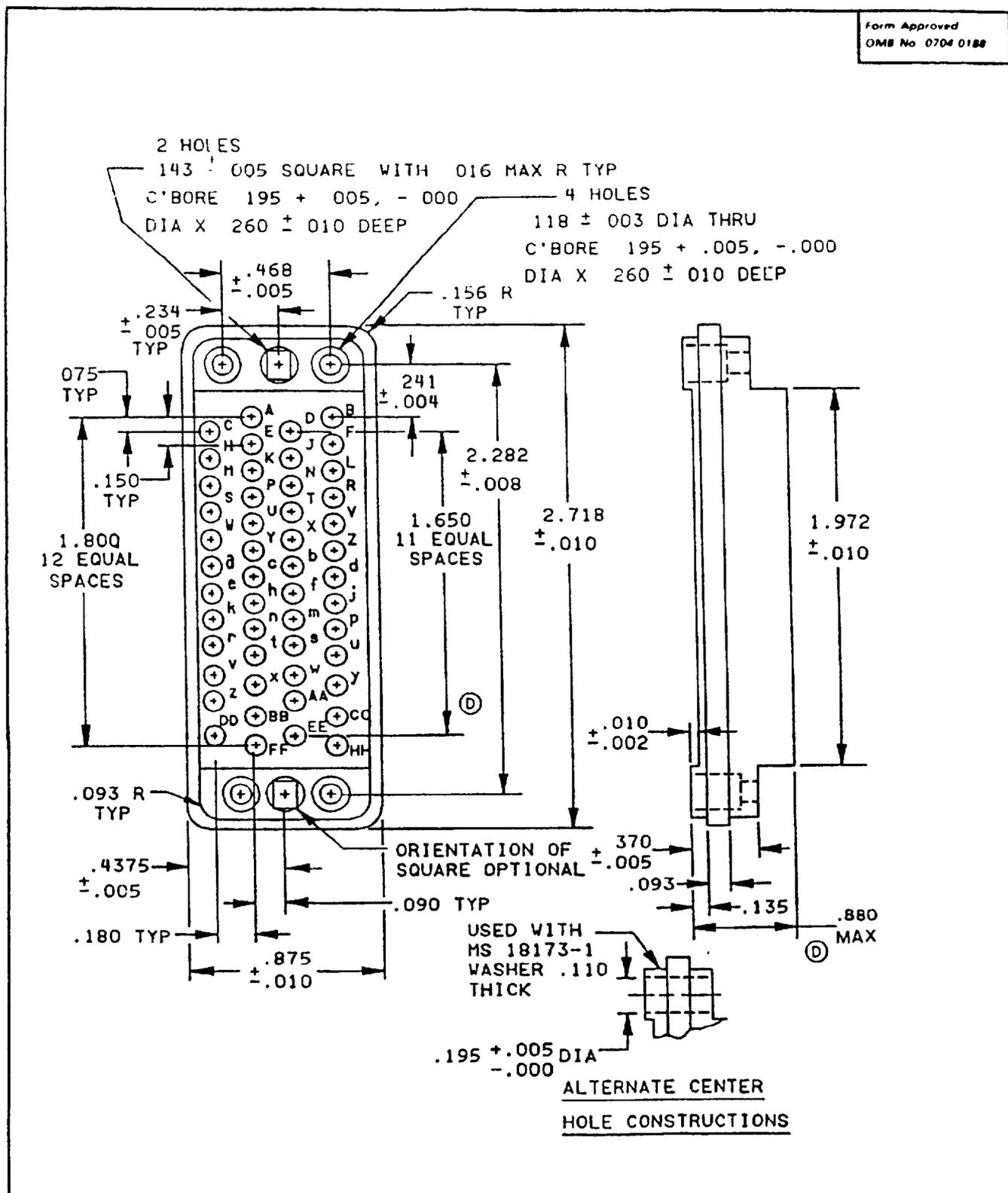


THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODISS SPECIFIED IN THE SOLICITATION MIL-C-28748

THIS SPECIFICATION IS APPROVED FOR USE BY all Departments and Agencies of the Department of Defense.



DESIGN STANDARD FOR USE WITH MIL-C-28748/4.
 (D) denotes changes

PREPARING ACTIVITY Navy-EC CUSTODIANS ARMY - CR NAVY - AIR FORCE - 85 DLA REVIEW Army-AT, MI; Navy-AS, SH USER Air Force-11; DLA-ES PROJECT NUMBER 5935-3772-02	MILITARY SPECIFICATION SHEET TITLE INSERT (INSULATOR), RECTANGULAR CONNECTOR, ELECTRICAL, 50 (SIZE 16 AND 20 CRIMP REMOVABLE) SOCKET CONTACTS	SPECIFICATION SHEET NUMBER MS18183 26 April 1990 SUPERSEDING MS18183 18 March 1985 AMSC N/A FSC 5935
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Form Approved
OMB No. 0704-0188

Inches	mm	Inches	mm
.002	0.05	.195	4.95
.003	0.08	.234	5.94
.005	0.13	.241	6.12
.010	0.25	.260	6.60
.016	0.41	.370	9.40
.062	1.57	.438	11.11
.075	1.91	.468	11.89
.093	2.36	.856	21.74
.110	2.79	.880	22.35
.118	3.00	1.650	41.91
.135	3.43	1.800	45.72
.143	3.63	1.972	50.09
.150	3.81	2.282	57.96
.156	3.96	2.718	69.04

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-39029/35 contacts.
9. Contact hole details shall be in accordance with MIL-C-28748.
10. The maximum insertion and withdrawal force (connector assembly) shall be 62.5 pounds.
11. Insert material shall be in accordance with MIL-C-28748.
- (D) 12. Design standard only: Parts described by this MS sheet will not be stocked by the Government.
- (D) 13. MS part number MS18183-1 - Suitable for all applications. MS part number MS18183-2 - For long jackscrews and hood only (through hole alternate construction).

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PREPARING ACTIVITY Navy-EC	MILITARY SPECIFICATION SHEET	SPECIFICATION SHEET NUMBER
CUSTODIANS ARMY-CR NAVY-AM FORCE 85 DLA	TITLE	MS18183
REVIEW Air Force-11, DLA-ES	INSERT (INSULATOR), RECTANGULAR CONNECTOR, ELECTRICAL, 50 (SIZE 16 AND 20 CRIMP REMOVABLE) SOCKET CONTACTS	SUPERSEDING MS18183 18 March 1985
USER Army-AM, AR, ME, Navy-MC, OS		AMSC N/A FSC 5935
PROJECT NUMBER 5935-3772-02		
DISTRIBUTION STATEMENT Approved for public release, distribution is unlimited		Page 2 of 2