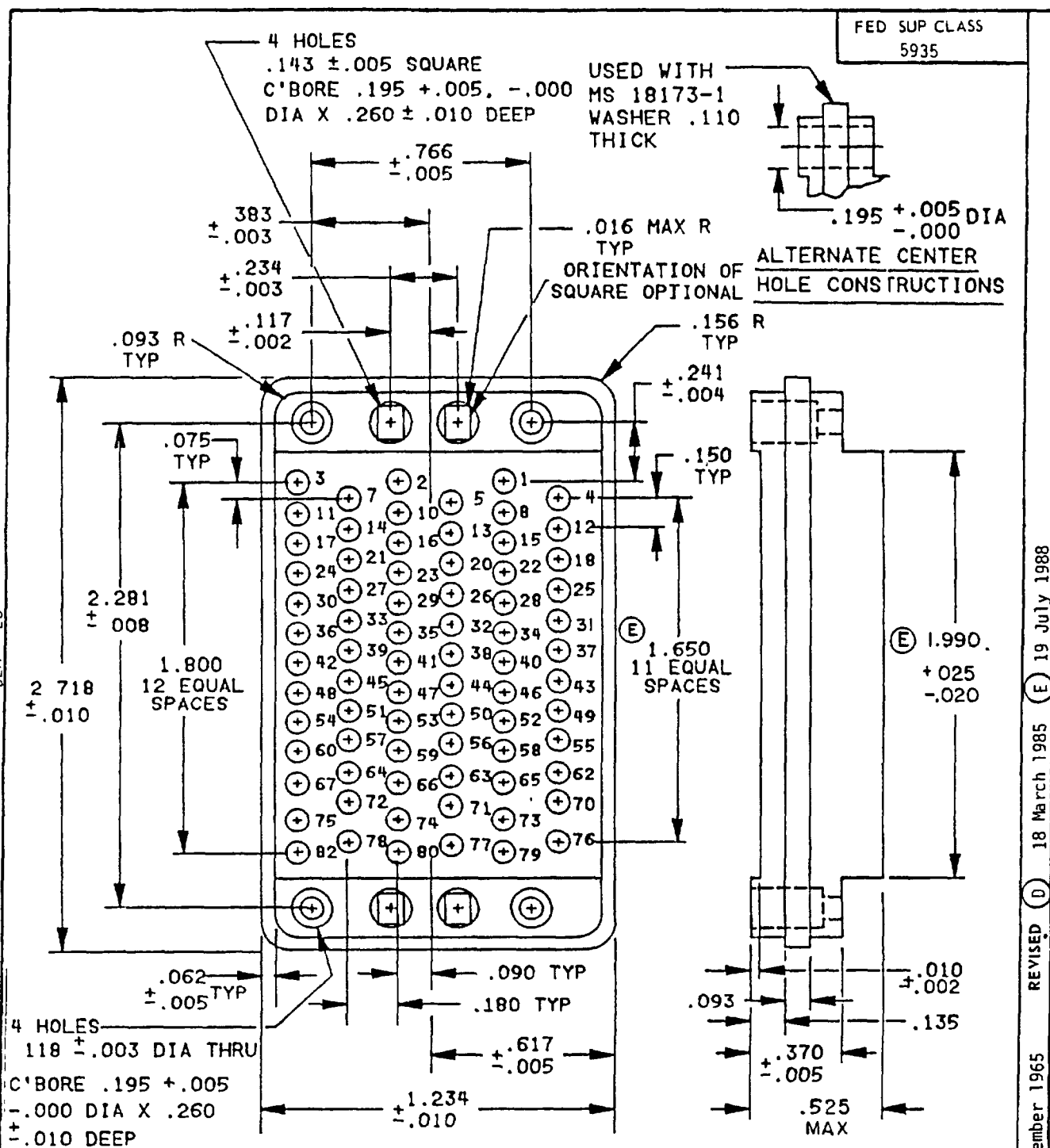


This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.



Design standard for use with MIL-C-28748/3

MS part number MS18187-1 - Suitable for all applications
MS part number MS18187-2 - For long jackscrews and hood only
(through hole alternate construction)

Ⓔ denotes change

P A Navy - EC Other Cust AF - 85 Army - CR	International interest	TITLE INSERT (INSULATOR), RECTANGULAR CONNECTOR, ELECTRICAL, 75 (SIZE 16 AND 20 CRIMP REMOVABLE) PIN CONTACTS.	MILITARY STANDARD
			MS18187
Procurement Specification MIL-C-28748		SUPERSEDES	PAGE 1 OF 2

FED SUP CLASS
5935

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

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

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Inches	mm	Inches	mm	Inches	mm
.002	0.05	.093	2.36	.260	6.60
.003	0.08	.110	2.79	.370	9.40
.004	0.10	.117	2.97	.383	9.73
.005	0.13	.118	3.00	.511	12.98
.008	0.20	.135	3.43	.617	15.67
.010	0.25	.143	3.63	.766	19.46
.016	0.41	.150	3.81	1.234	31.34
.020	0.51	.156	3.96	1.650	41.91
.025	0.64	.180	4.57	1.800	45.72
.062	1.51	.196	4.95	1.990	50.55
.075	1.91	.234	5.94	2.281	57.94
.090	2.29	.241	6.12	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. In the event of a conflict between the text of this standard and the references cited herein, the text of this standard shall take precedence.
7. Referenced Government documents of the issue listed in that issue of the Department of Defense Index of Specifications and Standards (DODISS) specified in the solicitation form a part of this standard to the extent specified herein.
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 93.7 pounds.
11. Insert material shall be in accordance with MIL-C-28748.

P A Navy - EC	International Interest	TITLE	MILITARY STANDARD
Other Cust AF - 85 Army - CR		INSERT (INSULATOR), RECTANGULAR CONNECTOR, ELECTRICAL, 75 (SIZE 16 AND 20 CRIMP REMOVABLE) PIN CONTACTS.	MS18187
Procurement Specification MIL-C-28748		SUPERSEDES	PAGE 2 OF 2