

This military standard is mandatory 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.

Reviewer activities
 Army MI, SH, AT
 Navy AS, SH, AT
 Air Force 11

User activities
 Army ME, AM, WC
 Navy MC, OS
 Air Force

4 HOLES
 .118 ± .003 DIA THRU
 C BORE .195 + .005, -.000
 DIA x .260 ± .010 DEEP

4 HOLES
 143 ± .005 SQUARE
 C BORE .195 ± .005 - .000
 DIA x .260 ± .010 DEEP

ALTERNATE CENTER HOLE CONSTRUCTIONS

USED WITH MS 18173-1 WASHER .110 THICK

INCHES	MM
.002	.05
.003	.08
.005	.13
.008	.20
.010	.25
.016	.41
.020	.51
.062	1.57
.075	1.91
.090	2.29
.093	2.36
.118	3.00
.125	3.18
.143	3.63
.150	3.81
.180	4.57
.195	4.95
.234	5.94
.241	6.12
.250	6.35
.260	6.60
.365	9.27
.4375	11.11
.468	11.89
.875	22.23
1.650	41.91
1.800	45.72
2.282	57.96
2.718	69.04

±.020 E
2.718 E

DESIGN STANDARD FOR USE WITH MIL-C-28748/5.

NOTES

- 1 Dimensions are in inches
- 2 Unless otherwise specified, tolerance is ± .015 (38 μm)
- 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 .600 (15.24 mm). Tolerance between any two contact centers, over any two contact centers, shall be .650 (16.51 mm)
- 5 Contact identification may be located on either side of the contact hole but shall appear on the front side of each contact
- 6 For all electrical 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 Complete connectors covered by issues of MS 2102, dated prior to 20 May 1970 are replaced by MS20748/5-H00G1A.

(E) denotes changes

APPROVED 12 Aug 1954 REVISED (D) 20 May 1970 (E) 23 June 1972

PA Navy - EC Other Cust AF-80 Army-EL	International interest	TITLE CONNECTOR, RECTANGULAR, ELECTRICAL, RACK AND PANEL, 50, SIZE 20 SOLDER PIN CONTACTS	MILITARY STANDARD
			MS 24026
Procurement Specification MIL-C-28748	SUPERSEDES MS 0024026(SHIPS)	Page 1 of 1	5935-1822-90