

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

Reviewer activities: Army MI, AT
Navy AS, SH,
Air Force II

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.

FED. SUP CLASS 5935																																																																					
<p>4 HOLES 118 ±.003 DIA THRU C BORE .195 ±.005, -.000 DIA × .260 ±.010 DEEP</p> <p>2 HOLES .143 ±.005 SQUARE C BORE .195 ±.005, -.000 DIA × .260 ±.010 DEEP</p> <p>±.005 470 ±.005 .235 TYP</p> <p>.09 ±.02 R. TYP. (2.29 ±.51 MM)</p> <p>.075 TYP</p> <p>.151 TYP</p> <p>1204 8 EQUAL SPACES</p> <p>1053 7 EQUAL SPACES</p> <p>±.008 1694</p> <p>±.020 2.007</p> <p>±.005 .245</p> <p>.015 MAX. R. TYP</p> <p>.090 TYP</p> <p>.180 TYP</p> <p>±.020 3765 ±.010</p> <p>753</p> <p>ORIENTATION OF SQUARE OPTIONAL</p> <p>USED WITH MS 18173-1 WASHER .110 THICK</p> <p>ALTERNATE CENTER HOLE CONSTRUCTIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">INCHES</th> <th style="width: 10%;">MM</th> </tr> </thead> <tbody> <tr><td>.002</td><td>.05</td></tr> <tr><td>.003</td><td>.08</td></tr> <tr><td>.005</td><td>.13</td></tr> <tr><td>.010</td><td>.25</td></tr> <tr><td>.016</td><td>.41</td></tr> <tr><td>.020</td><td>.51</td></tr> <tr><td>.075</td><td>1.91</td></tr> <tr><td>.09</td><td>2.29</td></tr> <tr><td>.090</td><td>2.29</td></tr> <tr><td>.110</td><td>2.79</td></tr> <tr><td>.118</td><td>3.00</td></tr> <tr><td>.143</td><td>3.63</td></tr> <tr><td>.151</td><td>3.84</td></tr> <tr><td>.180</td><td>4.57</td></tr> <tr><td>.195</td><td>4.95</td></tr> <tr><td>.235</td><td>5.97</td></tr> <tr><td>.245</td><td>6.22</td></tr> <tr><td>.250</td><td>6.35</td></tr> <tr><td>.260</td><td>6.60</td></tr> <tr><td>.365</td><td>9.27</td></tr> <tr><td>.3765</td><td>9.56</td></tr> <tr><td>.470</td><td>11.94</td></tr> <tr><td>.753</td><td>19.13</td></tr> <tr><td>1.053</td><td>26.75</td></tr> <tr><td>1.204</td><td>30.58</td></tr> <tr><td>1.694</td><td>43.03</td></tr> <tr><td>2.007</td><td>50.98</td></tr> </tbody> </table> <p>MS Part No. MS18244-1 - Suitable for all applications MS Part No. MS18244-2 - For long jackscrews and hood only (thru hole alternate construction)</p>	INCHES	MM	.002	.05	.003	.08	.005	.13	.010	.25	.016	.41	.020	.51	.075	1.91	.09	2.29	.090	2.29	.110	2.79	.118	3.00	.143	3.63	.151	3.84	.180	4.57	.195	4.95	.235	5.97	.245	6.22	.250	6.35	.260	6.60	.365	9.27	.3765	9.56	.470	11.94	.753	19.13	1.053	26.75	1.204	30.58	1.694	43.03	2.007	50.98	<p>(B) DENOTES CHANGE</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">P.A. Navy - EC</td> <td style="width: 20%;">International interest</td> <td style="width: 40%;">TITLE CONNECTOR, RECTANGULAR, ELECTRICAL, RACK AND PANEL 34, SIZE 16 SOLDER PIN CONTACTS</td> <td style="width: 20%;">MILITARY STANDARD</td> </tr> <tr> <td>Other Cust AF-80</td> <td>Amy - EL</td> <td></td> <td>MS 18244</td> </tr> <tr> <td colspan="2">Procurement Specification MIL-C-28748</td> <td>SUPERSEDES:</td> <td>PAGE 1 OF 1</td> </tr> </table>	P.A. Navy - EC	International interest	TITLE CONNECTOR, RECTANGULAR, ELECTRICAL, RACK AND PANEL 34, SIZE 16 SOLDER PIN CONTACTS	MILITARY STANDARD	Other Cust AF-80	Amy - EL		MS 18244	Procurement Specification MIL-C-28748		SUPERSEDES:	PAGE 1 OF 1
INCHES	MM																																																																				
.002	.05																																																																				
.003	.08																																																																				
.005	.13																																																																				
.010	.25																																																																				
.016	.41																																																																				
.020	.51																																																																				
.075	1.91																																																																				
.09	2.29																																																																				
.090	2.29																																																																				
.110	2.79																																																																				
.118	3.00																																																																				
.143	3.63																																																																				
.151	3.84																																																																				
.180	4.57																																																																				
.195	4.95																																																																				
.235	5.97																																																																				
.245	6.22																																																																				
.250	6.35																																																																				
.260	6.60																																																																				
.365	9.27																																																																				
.3765	9.56																																																																				
.470	11.94																																																																				
.753	19.13																																																																				
1.053	26.75																																																																				
1.204	30.58																																																																				
1.694	43.03																																																																				
2.007	50.98																																																																				
P.A. Navy - EC	International interest	TITLE CONNECTOR, RECTANGULAR, ELECTRICAL, RACK AND PANEL 34, SIZE 16 SOLDER PIN CONTACTS	MILITARY STANDARD																																																																		
Other Cust AF-80	Amy - EL		MS 18244																																																																		
Procurement Specification MIL-C-28748		SUPERSEDES:	PAGE 1 OF 1																																																																		

DESIGN STANDARD FOR USE WITH MIL-C-28748/1.

NOTES:

1. Dimensions are in inches.
2. Unless otherwise specified, tolerance is ±.015(.33 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 ±.004(.10 mm). Tolerance between any two contact centers, other than adjacent contacts, shall be ±.008(.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.

(B) DENOTES CHANGE

P.A. Navy - EC	International interest	TITLE CONNECTOR, RECTANGULAR, ELECTRICAL, RACK AND PANEL 34, SIZE 16 SOLDER PIN CONTACTS	MILITARY STANDARD
Other Cust AF-80	Amy - EL		MS 18244
Procurement Specification MIL-C-28748		SUPERSEDES:	PAGE 1 OF 1