

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.

Army ME, AM, WC
 Navy MC, NS
 Air Force

User activities
 Army MI, AT
 Navy AS, SH
 Air Force II

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

FED SUP CLASS 5935																																																											
FIGURE 1																																																											
FIGURE 2																																																											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>MS PART NO.</th> <th>CONNECTOR SIZE (NO. OF CONTACTS)</th> <th>STYLE</th> <th>A THREAD</th> <th>B DIA MAX</th> <th>C</th> <th>D REF</th> <th>E</th> <th>F REF</th> <th>G THREAD</th> </tr> </thead> <tbody> <tr> <td>MS18197-1</td> <td>7 THRU 75</td> <td>MALE</td> <td>4-40 UNC-2A</td> <td>0.190</td> <td>190 181</td> <td>205</td> <td>125 095</td> <td>070</td> <td>4-40 UNC-3B</td> </tr> <tr> <td>MS18197-2</td> <td>7 THRU 75</td> <td>FEMALE</td> <td>4-40 UNC-2A</td> <td>0.190</td> <td>190 181</td> <td>.205</td> <td>125 095</td> <td>070</td> <td>4-40 UNC-3B</td> </tr> <tr> <td>MS18197-3</td> <td>104</td> <td>MALE</td> <td>6-32 UNC-2A</td> <td>0.190</td> <td>222 240</td> <td>275</td> <td>153 133</td> <td>081</td> <td>6-32 UNC-3B</td> </tr> <tr> <td>MS18197-4</td> <td>104</td> <td>FEMALE</td> <td>6-32 UNC-2A</td> <td>0.190</td> <td>222 240</td> <td>275</td> <td>153 133</td> <td>081</td> <td>6-32 UNC-3B</td> </tr> </tbody> </table>										MS PART NO.	CONNECTOR SIZE (NO. OF CONTACTS)	STYLE	A THREAD	B DIA MAX	C	D REF	E	F REF	G THREAD	MS18197-1	7 THRU 75	MALE	4-40 UNC-2A	0.190	190 181	205	125 095	070	4-40 UNC-3B	MS18197-2	7 THRU 75	FEMALE	4-40 UNC-2A	0.190	190 181	.205	125 095	070	4-40 UNC-3B	MS18197-3	104	MALE	6-32 UNC-2A	0.190	222 240	275	153 133	081	6-32 UNC-3B	MS18197-4	104	FEMALE	6-32 UNC-2A	0.190	222 240	275	153 133	081	6-32 UNC-3B
MS PART NO.	CONNECTOR SIZE (NO. OF CONTACTS)	STYLE	A THREAD	B DIA MAX	C	D REF	E	F REF	G THREAD																																																		
MS18197-1	7 THRU 75	MALE	4-40 UNC-2A	0.190	190 181	205	125 095	070	4-40 UNC-3B																																																		
MS18197-2	7 THRU 75	FEMALE	4-40 UNC-2A	0.190	190 181	.205	125 095	070	4-40 UNC-3B																																																		
MS18197-3	104	MALE	6-32 UNC-2A	0.190	222 240	275	153 133	081	6-32 UNC-3B																																																		
MS18197-4	104	FEMALE	6-32 UNC-2A	0.190	222 240	275	153 133	081	6-32 UNC-3B																																																		
DESIGN STANDARD FOR USE WITH MIL-C-28748 CONNECTORS																																																											
NOTES 1. Dimensions are in inches. 2. Unless otherwise specified, tolerance is $\pm .016$ (.41 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. Material Corrosion resistant steel per specification QQ-S-763 or QQ-S-764 class 302, 303, 303Se, 304 or 316. 5. Finish Passivate QQ-P-35. 6. Referenced documents shall be of the issue in effect on date of invitation for bid. For design feature purposes, this standard takes precedence over procurement documents referenced herein. 8. Miniature self locking nut with nylon insert shall be in accordance with figure 2 Material shall be in accordance with notes 4 and 5																																																											
(E) denotes changes																																																											
P A Navy - EC Other Cust AF-80 Army - EL			International Interest				TITLE Guide pin, electrical connector male and female		MILITARY STANDARD MS 18197																																																		
Procurement Specification MIL-C-28748			SUPERSEDES				PAGE 1 OF 1																																																				

[illegible]

FOLD

DEPARTMENT OF THE NAVY
NAVAL ELECTRONIC SYSTEMS COMMAND
WASHINGTON, D. C. 20360

POSTAGE AND FEES PAID
NAVY DEPARTMENT

OFFICIAL BUSINESS

COMMANDER
NAVAL ELECTRONIC SYSTEMS COMMAND
DEFENSE STANDARDIZATION PROGRAM BRANCH
DEPARTMENT OF THE NAVY
WASHINGTON, D. C. 20360

FOLD