

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

FED SUP CLASS
5935

INCHES	MM
005	13
070	1 78
081	2 06
095	2 41
125	3 18
133	3 38
140	3 56
153	3 89
181	4 60
190	4 83
205	5 21
240	6 10
252	6 40
272	6 91
350	8 89
380	9 65
406	10 31
465	11 81
781	19 84
850	21 59

FIGURE 2

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	252 240	275	.153 133	081	6-32 UNC-3B
MS18197-4	104	FEMALE	6-32 UNC-2A	0.190	252 240	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 ± 0.016 (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	International interest	TITLE	MILITARY STANDARD
Other Cust AF-80 Army - EL		Guide pin, electrical connector male and female	MS 18197
Procurement Specification MIL-C-28748		SUPERSEDES	PAGE 1 OF 1

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WASHINGTON, D. C. 20360

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