

**© 12 AUGUST 1987**

FED SUP CLASS  
5935

Army - CG, MC, OS, SH  
Navy -  
Air Force - 14, 19

User activities

Army - AR, MI  
Navy - AS, YD  
Air Force - 11, 99

Review activities

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.

Size	A Thread class 2A	D Dia +.005 -.010	F Hex +.017 -.016	H Panel thickness		M +.010	N +.021 -.020	Q Max	QQ Max
				Min	Max				
12	0.8750-0.1P-0.2L-DS	.567	1.250	.094	.188	1.141	.641	.737	--
14	1.0000-0.1P-0.2L-DS	.692	1.312	.094	.188	1.141	.641	.737	1.287
16	1.1250-0.1P-0.2L-DS	.817	1.500	.094	.188	1.141	.703	.675	1.225
18	1.2500-0.1P-0.2L-DS	.942	1.562	.094	.203	1.156	.703	.660	1.210
20	1.3750-0.1P-0.2L-DS	1.068	1.750	.094	.203	1.156	.703	.660	1.210
22	1.5000-0.1P-0.2L-DS	1.192	1.875	.094	.203	1.156	.703	.660	1.210
24	1.7500-0.1P-0.2L-DS	1.317	2.125	.094	.265	1.219	.703	.597	1.147
28	2.0000-0.1P-0.2L-DS	1.536	2.375	.094	.277	1.231	.785	.503	1.053
32	2.2500-0.1P-0.2L-DS	1.786	2.625	.094	.215	1.231	.785	.503	1.053
36	2.5000-0.1P-0.2L-DS	2.005	2.875	.094	.215	1.231	.785	.503	1.053
40	2.7500-0.1P-0.2L-DS	2.255	3.125	.094	.215	1.231	.972	.503	1.053
44	3.0000-0.1P-0.2L-DS	2.545	3.375	.094	.215	1.231	.972	NA	NA

APPROVED 2 Oct 1961  
REVISED ① ENTIRE STANDARD REVISED

P A NAVY - EC

International  
Interest

TITLE

CONNECTOR, RECEPTACLE,  
ELECTRICAL, JAMNUT

MILITARY STANDARD

Other Cust  
ARMY - CR  
AF - 85

MS17347

Procurement Specification  
MIL-C-22992

SUPERSEDES

PAGE 2 OF 5

FED SUP CLASS  
5935User activities  
Army - CG, MC, OS, SH  
Navy -  
Air Force - 14, 19User activities  
Army - AR, M1  
Navy - AS, YD  
Air Force - 11, 99Review activities:  
Army - AR, M1  
Navy - AS, YD  
Air Force - 11, 99

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.

Size	S	Y Thread (plated) class 2A-LH	W +.017 -.000	DD	EE Dia +.001 -.007	GG Dia	PP +.011 -.010	YY Dia +.010 -.006 (see req 4)	Z Max (see req 4)	Z Min (size 0 only)
12	1.375	.7500-20 UNEF	.188	.516	.672	1.562	.486	.647	.523	Not applicable
14	1.500	.8750-20 UNEF	.188	.516	.797	1.750	.530	.772	.523	
16	1.750	1.0000-20 UNEF	.188	.516	.922	2.000	.623	.897	.523	
18	1.875	1.1250-18 NEF	.188	.516	1.040	2.125	.663	1.022	.508	
20	2.000	1.2500-18 NEF	.188	.516	1.164	2.250	.707	1.148	.508	.582
22	2.125	1.3750-18 NEF	.188	.516	1.289	2.500	.751	1.272	.508	
24	2.375	1.6250-18 NEF	.188	.516	1.539	2.750	.840	1.473	.455	.519
28	2.625	1.8750-16 UN	.250	.516	1.780	3.000	.928	1.692	.433	.507
32	2.875	2.0625-16 N	.250	.516	1.967	3.250	1.017	1.942	.433	
36	3.125	2.3125-16 N	.250	.516	2.217	3.500	1.104	2.161	.433	
40	3.406	2.6250-16 UN	.250	.703	2.530	3.750	1.213	2.411	.433	
44	3.656	1.8750-16 UN	.250	.703	2.780	4.000	1.299	2.692	.656	

P A NAVY - EC

Intermittent  
Interest

TITLE

CONNECTOR, RECEPTACLE,  
ELECTRICAL, JAMNUT

MILITARY STANDARD

Other Cust  
ARMY - CR  
AF - 85

MS17347

Procurement Specification  
MIL-C-22992

SUPERSEDES

PAGE 3 OF 5

DD FORM 672 (Coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
1 MAY 73APPROVED 2 Oct. 1961  
REVISED ① ENTIRE STANDARD REVISED

Army - CG, MC, OS, SH  
Navy - 14, 19  
Air Force - 14, 19

User activities

Army - AR, MI  
Navy - AS, YD  
Air Force - 11, 99

Review activities

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.

FED SUP CLASS  
5935

Size	RR Thread (plated) class 2A-RH	AAA	BBB	CCC	Packing preformed	DDD Socket insert 1ctn +.030	EEE Pin insert 1ctn +.030
12	1.0000-20 UNEF	+.007 .126 -.001	+.007 .063 -.001	.0035	MS29513-24	.020	.729
14	1.1250-18 NEF	+.007 .126 -.001	+.007 .063 -.001	.0035	MS29513-26	.020	.729
16	1.2500-18 NEF	+.010 .182 -.001	+.010 .108 -.001	.007	MS29513-127	.020	.729
18	1.3750-18 NEF	+.010 .182 -.001	+.010 .108 -.001	.007	MS29513-129	.020	.729
20	1.5000-18 NEF	+.010 .182 -.001	+.010 .108 -.001	.007	MS29513-131	.020	.729
22	1.6250-18 NEF	+.010 .182 -.001	+.010 .108 -.001	.007	MS29513-133	.020	.729
24	1.8750-16 UN	+.010 .260 -.001	+.010 .155 -.001	.007	MS29513-137	.020	.729
28	2.1250-16 UN	+.010 .260 -.001	+.010 .155 -.001	.007	MS29513-141	.020	.729
32	2.3750-16 UN	+.010 .260 -.001	+.010 .155 -.001	.007	MS29513-145	.020	.729
36	2.6250-16 UN	+.010 .260 -.001	+.010 .155 -.001	.007	MS29513-149	.020	.729
40	2.8750-16 UN	+.010 .260 -.001	+.010 .155 -.001	.007	MS29513-234	.020	.729
44	3.1250-16 UN	+.010 .260 -.001	+.010 .155 -.001	.007	MS29513-236	.039	.764

APPROVED 2 Oct 1961 REVISED (D) ENTIRE STANDARD REVISED

P A NAVY - EC

International  
Interest

TITLE

CONNECTOR, RECEPTACLE,  
ELECTRICAL, JAMNUT

MILITARY STANDARD

Other Cust  
ARMY - CR  
AF - 85

MS17347

Procurement Specification  
MIL-C-22992

SUPERSEDES

PAGE 4 OF 5

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.

Review activities

Army - AR, MI  
Navy - AS, VD  
Air Force - 11, 99

User activities

Army - CG, MC, OS, SH  
Navy -  
Air Force - 14, 19

								FED SUP CLASS 5935	
Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm
.001	0.03	.445	11.30	.772	19.61	1.250	31.75	2.217	56.31
.0035	0.089	.486	12.34	.785	19.94	1.272	32.31	2.2500	57.150
.005	0.13	.503	12.78	.797	20.24	1.287	32.69	2.250	57.15
.006	0.15	.507	12.88	.817	20.75	1.289	32.74	2.255	57.28
.007	0.18	.508	12.90	.840	21.34	1.299	32.99	2.3125	58.737
.010	0.25	.516	13.11	.8750	22.225	1.312	33.32	2.3750	60.325
.011	0.28	.519	13.18	.897	22.78	1.317	33.45	2.375	60.33
.016	0.40	.523	13.28	.922	23.42	1.3750	34.925	2.411	61.24
.017	0.43	.530	13.46	.928	23.57	1.375	34.93	2.5000	63.500
.020	0.51	.567	14.40	.942	23.93	1.473	37.41	2.500	63.50
.021	0.53	.582	14.78	.972	24.68	1.5000	38.100	2.530	64.26
.025	0.64	.597	15.16	1.0000	25.400	1.500	38.10	2.545	64.64
.030	0.76	.609	15.47	1.000	25.40	1.536	39.01	2.6250	66.675
.031	0.79	.622	15.80	1.017	25.98	1.539	39.09	2.625	66.68
.039	0.99	.623	15.82	1.022	25.96	1.562	39.67	2.692	68.38
.045	1.14	.625	15.88	1.040	26.41	1.6250	41.275	2.7500	69.850
.062	1.57	.641	16.29	1.053	26.74	1.692	42.98	2.750	69.85
.063	1.60	.647	16.43	1.168	27.13	1.7500	44.450	2.780	70.61
.094	1.39	.656	16.66	1.104	28.04	1.750	44.45	2.8750	73.025
.108	2.74	.660	16.76	1.1250	28.575	1.780	45.21	2.875	73.03
.126	2.20	.663	16.84	1.141	28.98	1.786	45.36	3.0000	76.200
.141	3.58	.672	17.06	1.147	29.13	1.8750	47.625	3.000	76.20
.155	3.94	.675	17.15	1.148	29.16	1.875	47.63	3.1250	79.375
.182	4.62	.688	17.48	1.156	29.36	1.9420	49.33	3.125	79.38
.188	4.78	.692	17.58	1.164	29.57	1.967	49.96	3.250	82.55
.203	5.16	.703	17.86	1.192	30.28	2.0000	50.800	3.375	85.72
.215	5.46	.707	17.96	1.210	30.73	2.000	50.808	3.406	86.51
.250	6.35	.729	18.52	1.213	30.81	2.005	50.935	3.500	88.90
.260	6.60	.737	18.72	1.219	31.96	2.0625	52.388	3.656	92.86
.265	6.73	.7500	19.050	1.225	31.12	2.1250	53.975	3.750	95.25
.277	7.04	.751	19.08	1.231	31.37	2.125	53.98	4.000	101.60
.433	11.00	.764	19.41	1.2500	31.750	2.161	54.89		

**REQUIREMENTS:**

- Dimensions shall be maintained when inserts are pressed firmly against indicated shoulder.
- The part number shall include the class, size, finish, insert arrangement, style (P or S) and alternate position as shown in the example below.

MS17347J20C27PH

MS number      Class      Size      Finish      Insert arrangement number      Style (P or S)      Alternate position

- Mates with plugs shown on standard MS17344.
- For size 0 contacts only, increase Z dimension by .312 (7.92 mm) for shell sizes 12 through 40 and by .062 (1.57 mm) for shell size 44.
- For size, insert arrangement, alternate position, contact size, spacing and service rating, see MIL-STD-1651.
- Shell and nut finish shall be designated by the letter C (conductive) or N (nonconductive).

**NOTES:**

- All dimensions are in inches.
- Unless otherwise specified tolerances are  $\pm 0.016$  (0.41 mm).
- Metric equivalents are given for general information only.
- 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.
- 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.
- Maximum termination of grommet extension for sizes 12 and 16 contacts for class J.
- Maximum termination of grommet extension for sizes 0, 4 and 8 contacts for class J.
- For protective cover, see MS17349.

P A NAVY - EC	International interest	TITLE	MILITARY STANDARD
Other Cust ARMY - CR AF - 85		CONNECTOR, RECEPTACLE, ELECTRICAL, JAMNUT	MS17347
Procurement Specification MIL-C-22992		SUPERSEDES	PAGE 5 OF 5