INCH-POUND
MS17348E
18 April 1994
SUPERSEDING
MS17348D
12 August 1987

MILITARY SPECIFICATION SHEET

CONNECTOR, RECEPTACLE, ELECTRICAL, JAMNUT (BOX)

This specification is approved for use by all Departments and Agencies of the Department of Defense

The requirements for acquiring the product described herein shall consist of this specification sheet and the issue of the following specification listed in that issue of the Department of Defense Index of Specifications and Standards (DODISS) specified in the solicitation: MIL-C-22992.

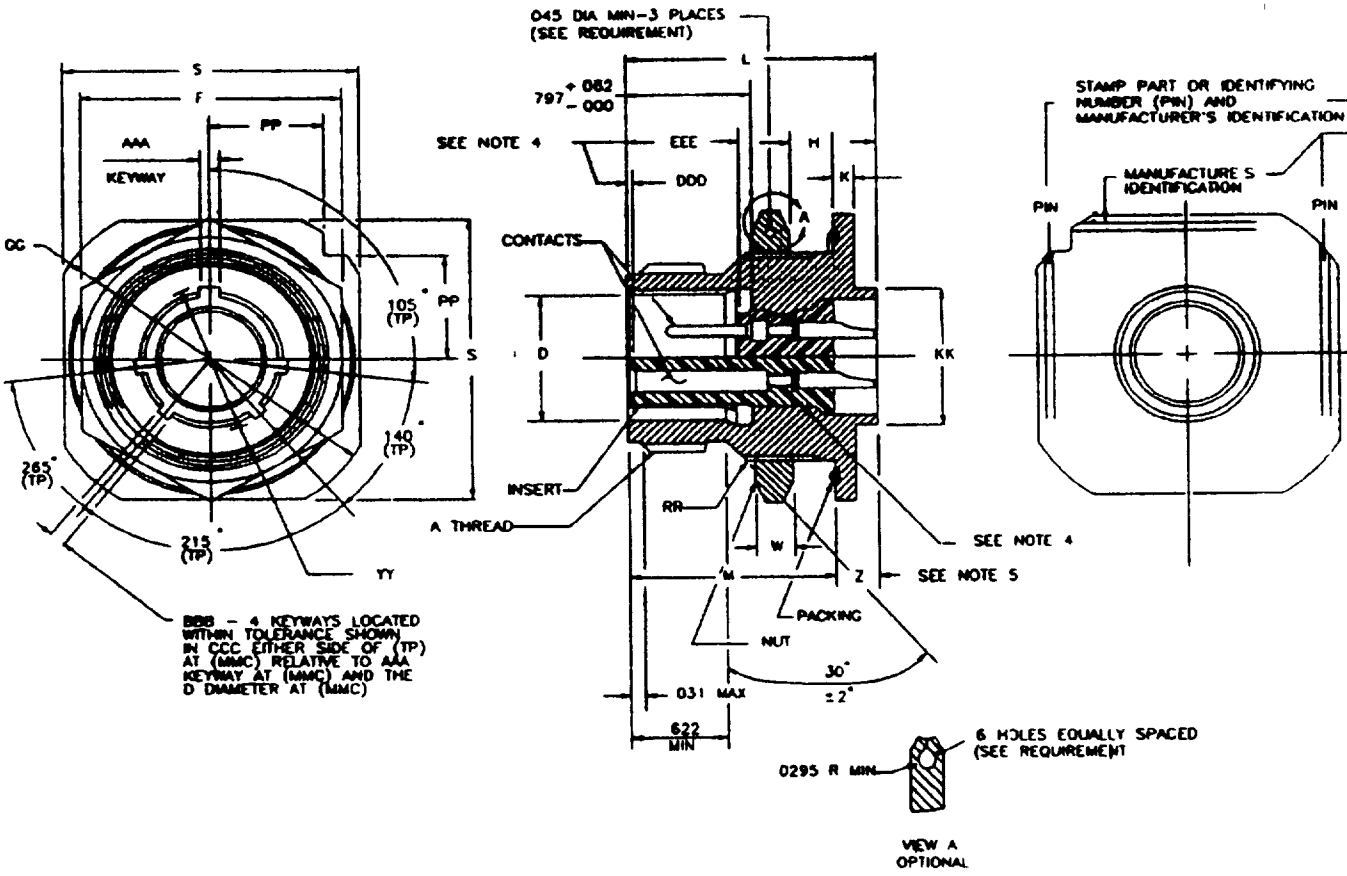


FIGURE 1. Dimensions and configuration

Size	A thread (plated) class 2A	D dia +.005 -.010	F hex +.017 -.016	H panel thickness		K +.006 -.005	L +.011 -.010	M	S	W +.017 -.000	Z max (see note 5)	Z min (size 0 only)	DDD socket insert ltn ±.030	EEE pin insert ltn ±.030
				Min	Max									
12	0.8750-0.1P-0.2L-DS	.567	1.250	.094	.297	125	1.578	1.235	1 375	.188	.429	NA	.020	.729
14	1 0000-0 1P-0.2L-DS	.692	1.312	.094	.297	125	1.578	1.235	1.500	.188	.429	NA	.020	.729
16	1 1250-0.1P-0.2L-DS	.817	1.500	.094	.297	.188	1.578	1.235	1.750	.188	.461	NA	.020	.729
18	1.2500-0.1P-0.2L-DS	.942	1.562	.094	.266	.188	1.578	1.203	1.875	.188	.461	NA	.020	.729
20	1.3750-0.1P-0.2L-DS	1.068	1.750	.094	.266	.188	1.578	1.203	2.000	.188	.461	.535	.020	.729
22	1.5000-0.1P-0.2L-DS	1.192	1.875	.094	.266	.188	1.578	1.203	2.125	.188	.461	.535	.020	.729
24	1.7500-0.1P-0 2L-DS	1.317	2.125	.094	.328	.188	1.641	1.266	2.375	.188	.398	.472	.020	.729
28	2.0000-0.1P-0.2L-DS	1.536	2.375	.094	.328	.219	1.641	1.329	2.625	.250	.335	.409	020	.729
32	2.2500-0.1P-0.2L-DS	1.786	2.625	.094	.328	.219	1.641	1.329	2.875	.250	.335	.409	.020	.729
36	2.5000-0.1P-0.2L-DS	2.005	2.875	.094	.328	.219	1.641	1.329	3.125	.250	.335	.409	.020	.729
40	2.7500-0.1P-0.2L-DS	2.255	3.125	.094	.328	.219	1.641	1.329	3.406	.250	.335	.409	.020	.729
44	3.0000-0.1P-0.2L-DS	2.545	3.375	.094	.328	.219	1.641	1.329	3.656	.250	.562	.409	.039	.764

FIGURE 1. Dimensions and configuration - Continued

Size	GG dia	KK dia +.011 -.010	PP +.011 -.010	RR thread (plated) class 2A	YY dia +.010 -.006	AAA	BBB	CCC	Packing preformed
12	1.562	.640	.486	1.0000-20 UNEF	.647	+.007 .126 -.001	+.007 .063 -.001	.0035	MS29513-24
14	1.750	.765	.530	1.1250-18 NEF	.772	+.007 126 -.001	+.007 .063 -.001	.0035	MS29513-26
16	2.000	.890	.623	1.2500-18 NEF	.897	+.010 .182 -.001	+.010 .108 -.001	.007	MS29513-127
18	2.125	1.015	.663	1.3750-18 NEF	1.022	+.010 .182 -.001	+.010 .108 -.001	.007	MS29513-129
20	2.250	1 171	.707	1.5000-18 NEF	1.148	+.010 182 -.001	+.010 .108 -.001	.007	MS29513-131
22	2.500	1.296	.751	1.6250-18 NEF	1.272	+.010 .182 -.001	+.010 .108 -.001	.007	MS29513-133
24	2.750	1.421	.840	1.8750-16 UN	1.473	+.010 .260 -.001	+.010 .155 -.001	.007	MS29513-137
28	3.000	1.625	.928	2.1250-16 UN	1.692	+.010 .260 -.001	+.010 .155 -.001	.007	MS29513-141
32	3.250	1.891	1.017	2.3750-16 UN	1.942	+.010 .260 -.001	+.010 .155 -.001	.007	MS29513-145
36	3.500	2.078	1.104	2.6250-16 UN	2.161	+.010 .260 -.001	+.010 .155 -.001	.007	MS29513-149
40	3.750	2.312	1.213	2.8750-16 UN	2 411	+.010 .260 -.001	+.010 155 -.001	.007	MS29513-234
44	4.000	2.562	1.299	3.1250-16 UN	2.692	+ 010 .260 -.001	+.010 .155 -.001	.007	MS29513-236

FIGURE 1. Dimensions and configuration - Continued

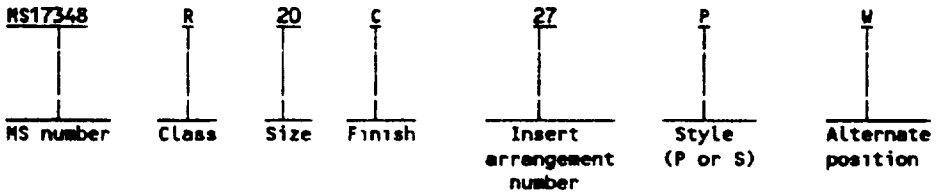
Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm
.001	0.03	.328	8.33	.897	22.78	1.473	37.42	2.312	58.78
.0035	0.089	.335	8.51	928	23.57	1.5000	38.100	2.317	58.975
.005	0.13	.398	10.11	.942	23.93	1.500	38.105	2.3750	60.325
006	0.15	.409	10.34	1.0000	25.400	1 536	39.01	2.375	60.33
.007	0.18	.429	10.89	1.015	25.78	1.562	39.67	2.411	60.24
.010	0.25	.461	11 71	1 017	25.83	1.578	40.08	2.5000	63.500
.011	0.28	.472	11.99	1.022	25.96	1.6250	41.275	2.500	63.50
.016	0.41	.486	12.34	1.068	27.13	1.625	41.28	2.562	65.07
.017	0.43	.530	13.46	1.104	28.04	1.641	41.68	2.6250	66.675
.020	0.51	.535	13.59	1.1250	28.575	1.692	42.98	2 625	66 68
.030	0 76	.562	14.27	1.148	29.16	1.7500	44 450	2.692	68.38
031	0.79	.567	14 40	1.171	29.74	1.750	44.45	2.7500	69.850
.039	0.99	.623	15.82	1.192	30.28	1.786	45.36	2.750	69.85
.045	1.14	.640	16.26	1.203	30 56	1.8750	47.625	2.8750	73.025
.062	1.57	.647	16.43	1.213	30.81	1.875	47.63	2.875	73.03
.063	1.60	.663	16.84	1.235	31.37	1.891	48.03	3.0000	76.200
.094	2.39	.692	17.58	1.2500	31.750	1.942	49.33	3.000	76.20
.108	2.74	.707	17.96	1.250	31.75	2.0000	50.800	3.1250	79.375
.125	3.18	.729	18.52	1.266	32.16	2.000	50.80	3.125	79.38
.126	3.20	.751	19.08	1.272	32.31	2.005	50.93	3.258	82.75
.155	3.94	.764	19.41	1.296	32.92	2.078	52.78	3.375	85.73
.182	4.62	.765	19.43	1.299	32.99	2.1250	53.975	3.406	86.51
.188	4.78	.722	19.61	1.312	33.32	2.125	53.98	3.500	88.90
.219	5.56	.797	20.24	1.317	33.45	2.161	54.89	3.656	92.86
.250	5.78	.817	20.75	1.329	33.75	2.2500	57.150	3.750	95.25
.260	6.60	.840	21.34	1.3750	34.925	2.25	57.15	4.000	101.60
.266	6.76	.8750	22.225	1.375	34.93	2.255	57.28		

NOTES:
1. All dimensions are in inches.
2. Unless otherwise specified, tolerances are ±.016 (0.41 mm).
3. Metric equivalents are given for information only.
4. Dimensions shall be maintained when inserts are pressed firmly against indicated shoulder.
5. 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

REQUIREMENTS:

Mates with plugs shown on MS17344 and covers shown on MS17349.

Part or Identifying Number (PIN) example:



Class shall be designated by the letter C (pressurized), J (pressurized with grommet) or R (environmental resisting).

For shell size, insert arrangement, alternate position, contact size, spacing and service rating, see MIL-STD-1651.

Shell finish shall be designated by the letter C (conductive) or N (nonconductive).

Safety wire holes shall not pull out when safety wire NI-CU alloy (Monel) (UNS N04400) or NI-CR alloy (INCONEL) (UNS N06600) .020 diameter in accordance with MS20995 is threaded through a hole and a pull of 30 pounds minimum is applied. Two pulls shall be made, one parallel with axis of nut and one perpendicular to axis of nut.

Qualification.

QPL evaluating activity: Defense Electronics Supply center (DESC-E), Dayton, OH 45444-5270

Revision letters are not used to denote changes due to the extensiveness of the changes.

CONCLUDING MATERIAL

Custodians:
Army - CR
Navy - EC
Air Force - 85
NASA - NA

Review activities:
Army - AR, MI
Navy - AS, YD
Air Force - 99

User activities:
Navy - CG, MC, OS, SH
Air Force - 19

Preparing activity:
DLA ES

(Project number 5935-3933)