

INCH-POUND

MS27468K
2 February 2012
SUPERSEDING
MS27468J
12 July 2002

DETAIL SPECIFICATION SHEET

CONNECTORS, RECEPTACLE, ELECTRICAL, JAM NUT
MOUNTING, CRIMP TYPE, BAYONET COUPLING, SERIES I

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 MIL-DTL-38999.

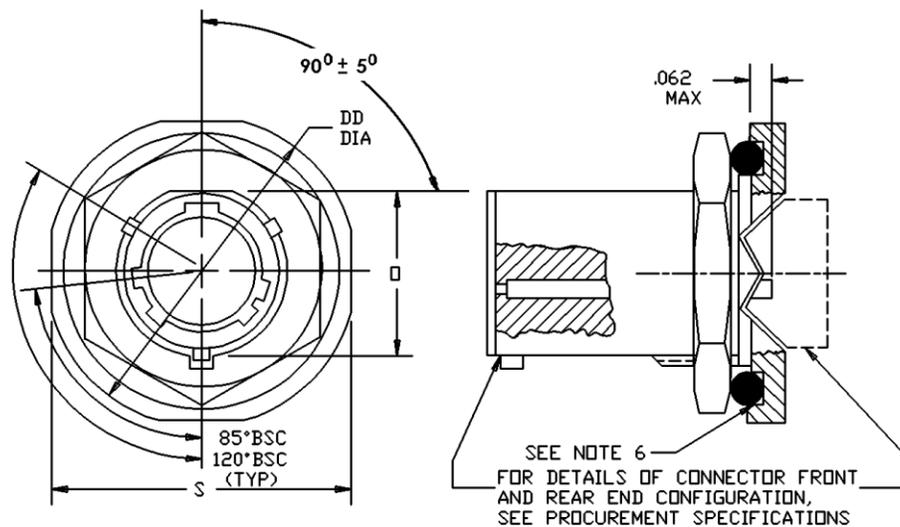


FIGURE 1. Receptacle, classes E, T and P.

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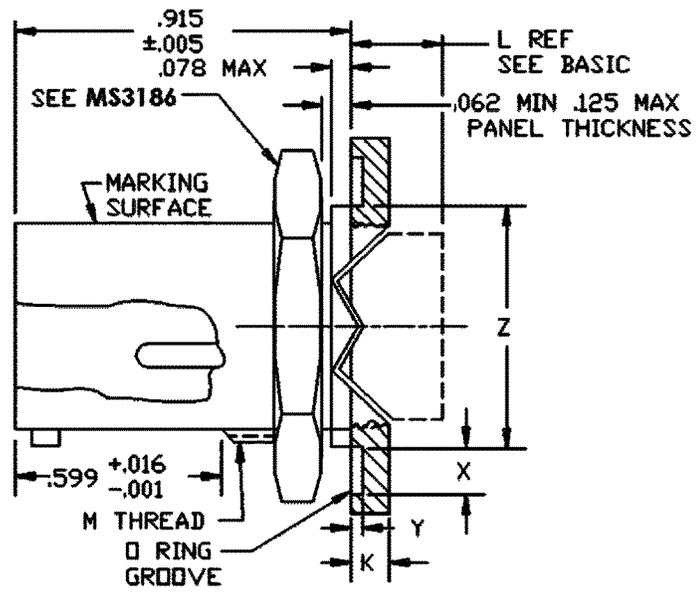


FIGURE 1. Receptacle, classes E, T and P - Continued.

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Shell size	DD dia ± 0.016	K +0.011 -0.010	L (class E) max (see MIL-DTL-38999)	L (class P) max (see MIL-DTL-38999)	L (class T) max (see MIL-DTL-38999)	M Thread class 2A UNEF plated
9	1.188	.109	.328	.438	.328	.6875-24
11	1.375					.8125-20
13	1.500					1.0000-20
15	1.625					1.1250-18
17	1.750					1.2500-18
19	1.938	.140		.469		1.3750-18
21	2.062					1.5000-18
23	2.188					1.6250-18
25	2.312					1.7500-18

Shell size	O dia +0.000 -0.010	S ± 0.016	X +0.005 -0.001	Y ± 0.005	Z dia +0.006 -0.005	Recommended packing (O-ring) see note 7
9	.655	1.062	.094	.045	.777	AS3578-019
11	.755	1.250			.965	AS3578-022
13	.942	1.375			1.090	AS3578-024
15	1.066	1.500			1.215	AS3578-026
17	1.191	1.625			1.340	AS3578-028
19	1.316	1.812	.141	.075	1.449	AS3578-128
21	1.441	1.938			1.574	AS3578-130
23	1.566	2.062			1.699	AS3578-132
25	1.691	2.188			1.824	AS3578-134

FIGURE 1. Receptacle, classes E, T and P - Continued.

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Inches	mm	Inches	mm	Inches	mm
.001	0.03	.438	11.13	1.340	34.04
.005	0.13	.469	11.91	1.375	34.93
.006	0.15	.599	15.21	1.441	36.60
.010	0.25	.655	16.64	1.449	36.80
.011	0.28	.755	19.18	1.500	38.10
.015	0.38	.777	19.74	1.566	39.78
.016	0.41	.915	23.24	1.574	39.98
.045	1.14	.942	23.93	1.625	41.28
.062	1.57	.965	24.51	1.691	42.95
.075	1.90	1.062	26.97	1.699	43.15
.078	1.98	1.066	27.08	1.750	44.45
.094	2.39	1.090	27.69	1.812	46.02
.109	2.77	1.188	30.18	1.824	46.33
.125	3.18	1.191	30.25	1.938	49.23
.140	3.56	1.215	30.86	2.062	52.37
.141	3.58	1.250	31.75	2.188	55.58
.328	8.33	1.316	33.43	2.312	58.72

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. For main keyway and keyway positions, see MIL-DTL-38999.
4. Jam-nut mounting receptacles shall be provided with an O-ring.
5. Diameters M, DD and Z shall be concentric within .015 inches (0.38 mm) T.I.R.
6. Sides of groove may have 5° maximum taper.
7. Recommended packing is for dimensions only. Material is optional.

FIGURE 1. Receptacle, classes E, T and P - Continued.

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REQUIREMENTS:

Dimensions and configuration: See figure 1.

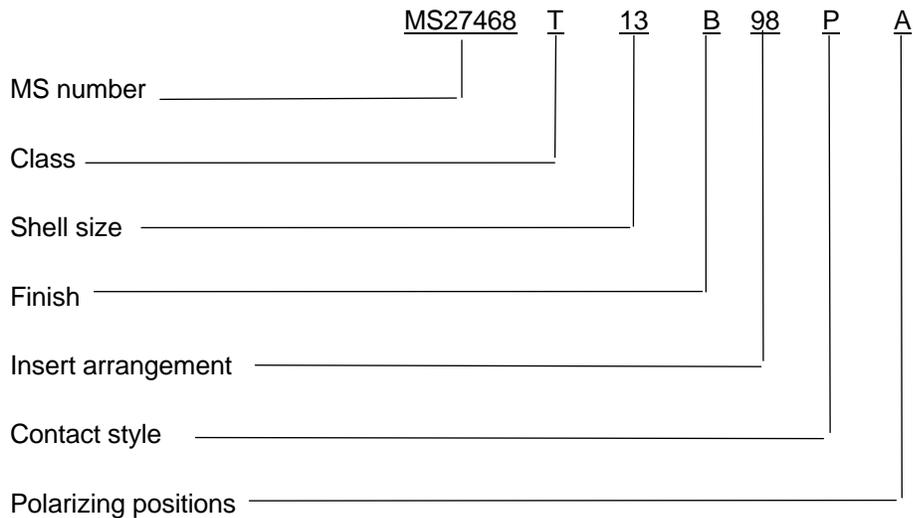
Interface dimensions shall be in accordance with MIL-DTL-38999.

Mating connectors: MS27467, MS27661 and MS27653.

Insert arrangements: See MIL-STD-1560.

Hex nut: See MS3186.

Part or Identifying Number (PIN) example:



No letter designator is required for normal.

Specification restrictions

Navy	Army	Air Force
Entire specification sheet inactive for new design.	For ground equipment only, class E is inactive for new design.	Classes E and P are inactive for new design.

Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue, due to the extent of the changes.

Referenced documents. In addition to MIL-DTL-38999, this document references the following:

MIL-STD-1560

MS3186

MS27467

MS27661

MS27653

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CONCLUDING MATERIAL

Custodians:

Army - CR
Navy - AS
Air Force - 85
DLA - CC

Preparing activity:

DLA - CC

(Project 5935-2012-021)

Review activities:

Army - AR, MI
Navy - EC, MC, OS
Air Force - 19, 99
DLA - IS

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.daps.dla.mil>.