

INCH-POUND

MIL-DTL-38999/9B  
14 February 2014  
SUPERSEDING  
MIL-DTL-38999/9A  
12 July 2002

DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, CIRCULAR, RECEPTACLE, DUMMY STOWAGE,  
BAYONET COUPLING, (MIL-DTL-27599 SERIES I AND MIL-DTL-38999 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.

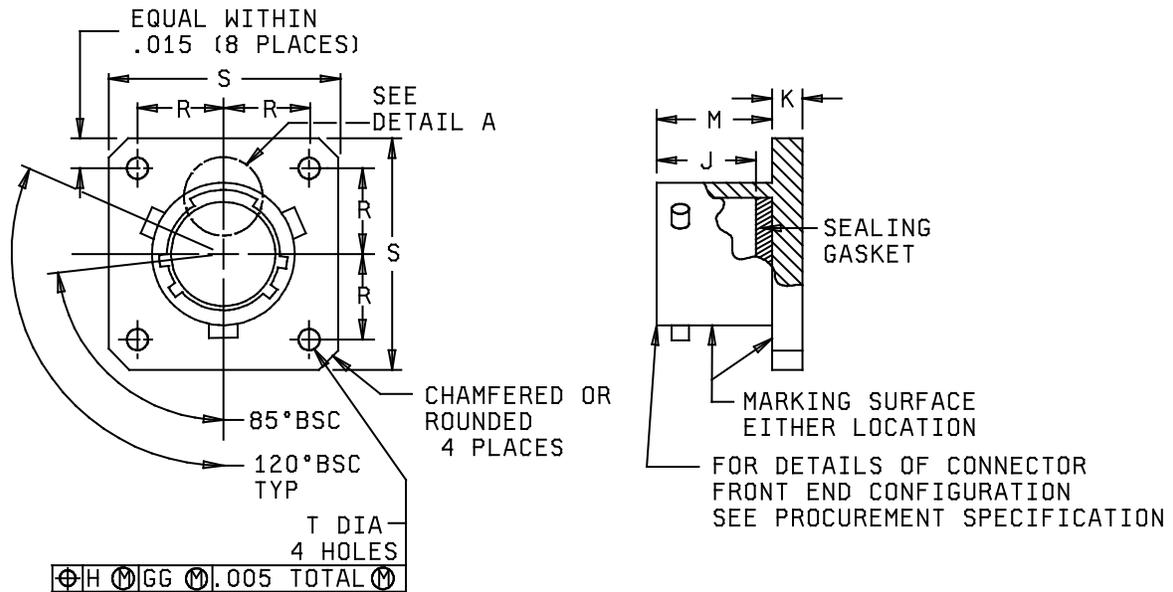


FIGURE 1. Dummy receptacle, finishes B, T, X and Z.

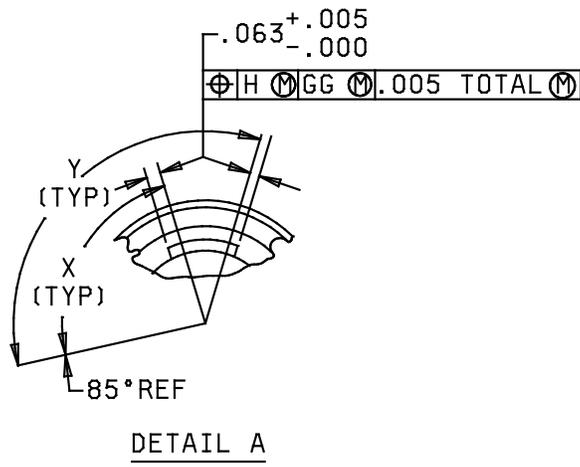


FIGURE 1. Dummy receptacle, finishes B, T, X and Z - Continued.

MIL-DTL-38999/9B

Dimensions								
Shell size	K +.015 -.000	M ±.010	T dia +.010 -.005	R BSC	S ±.020	J +.010 -.015	X (TP)	Y (TP)
9	.085	.727	.128	.3595	.938	.567	77°	113°
11				.406	1.031		67°	123°
13				.453	1.125		63°	127°
15				.4845	1.219		61°	129°
17				.531	1.312		65°	125°
19				.578	1.438		65°	125°
21	.115	.697	.147	.625	1.562	.567	65°	125°
23				.6875	1.688		69°	121°
25				.750	1.812		69°	121°

Inches	mm	Inches	mm	Inches	mm	Inches	mm
.005	0.13	.3539	9.13	.625	15.88	1.125	28.58
.010	0.25	.406	10.31	.632	16.05	1.219	30.96
.015	0.38	.453	11.51	.6875	17.46	1.312	33.32
.063	1.60	.4845	12.31	.697	17.70	1.438	36.53
.085	2.16	.531	13.49	.727	18.47	1.562	39.67
.115	2.92	.567	14.30	.750	19.05	1.688	42.88
.128	3.25	.578	14.68	.938	23.83	1.812	46.02
.147	3.73	.602	15.29	1.031	26.19		

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. The gage features for GG shall be .010 (0.25 mm) smaller than the MMC size at basic location.
4. Flange is solid.
5. Dummy receptacles are used when unmated plugs must be protected.

FIGURE 1. Dummy receptacle, finishes B, T, X and Z - Continued.

MIL-DTL-38999/9B

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Interface dimensions shall conform to MIL-DTL-38999, except as noted.

This receptacle mates with MS27467, MS27653 and MS27661 connectors.

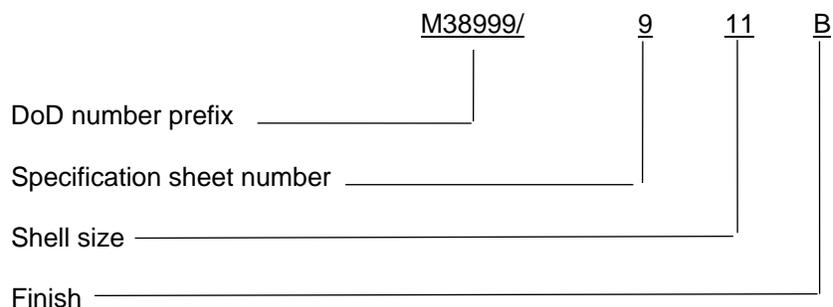
Fits all polarization positions.

Shell material and finish: Aluminum alloy as specified in MIL-DTL-38999 with finishes B, T, X or Z.

Sealing gasket: Non-corrosive silicone or fluorosilicone elastomer.

Air leakage: Testing shall be in accordance with EIA-364-02, except the minimum period of measurement shall be 10 seconds. The air leakage rate shall be no greater than 1 atmospheric cubic inch per hour ( $4.55 \times 10^{-3} \text{ cm}^3/\text{s}$ ). Stowage receptacles shall be mated to connectors having either contacts or inserts removed so that a pressure of 10 lb-ft/in<sup>2</sup> (.703 Kg/cm<sup>2</sup>) can be applied against the insides of the stowage receptacles.

Part or Identifying Number (PIN) is equivalent to the term (part number, identification number, and type designator) which was previously used in this specification. Example:



QUALIFICATION:

Qualification (all classes). Qualification shall be in accordance with MIL-DTL-38999, conducted on two samples of each shell size, except only the following test sequence shall be required:

- Visual and mechanical
- Dynamic salt spray (corrosion)
- Coupling torque
- Coupling pin strength
- Air leakage (see requirement)
- Post test examination

Group A sampling inspection. Sampling for group A inspection shall be as specified in table I.

TABLE I. Group A sampling plan.

Lot size	Sampling size
1 to 13	100 percent
14 to 150	13 units
151 to 280	20 units
281 to 500	29 units
501 to 1,200	34 units
1,201 to 3,200	42 units
3,201 and up	54 units

Changes from previous issue. The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

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

MIL-DTL-27599  
MS27467  
MS27653  
MS27661  
EIA-364-02

#### CONCLUDING MATERIAL

Custodians:

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

Preparing activity:

DLA – CC

(Project 5935-2013-153)

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.dla.mil>.