

INCH-POUND

MS27513F  
w/AMENDMENT 1  
15 November 2012  
SUPERSEDING  
MS27513F  
2 February 2012

DETAIL SPECIFICATION SHEET

CONNECTORS, RECEPTACLE, ELECTRICAL, BOX MOUNTING  
FLANGE, EXTENDED GROMMET, CRIMP TYPE, BAYONET COUPLING, SERIES II

Reactivated after 24 May 2004 and may be used for new and existing designs and acquisitions.

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.

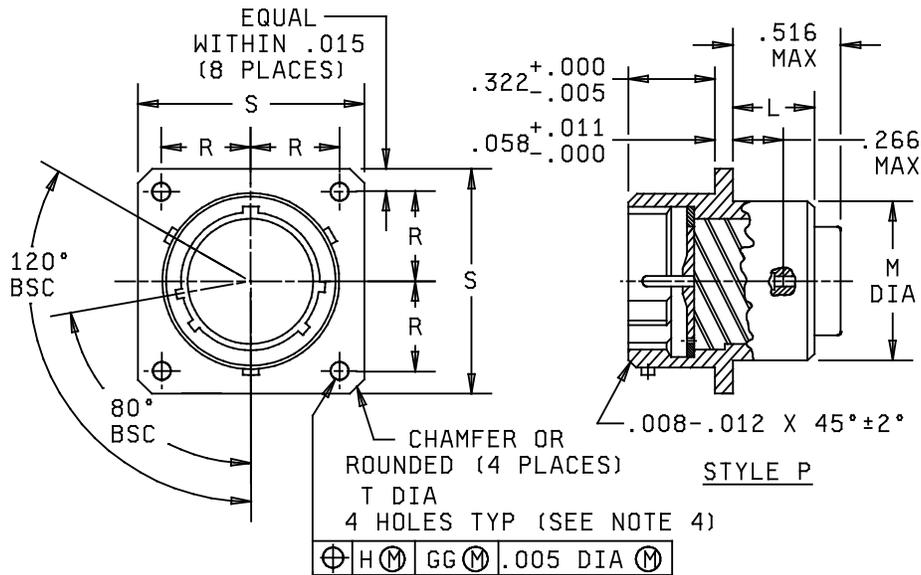
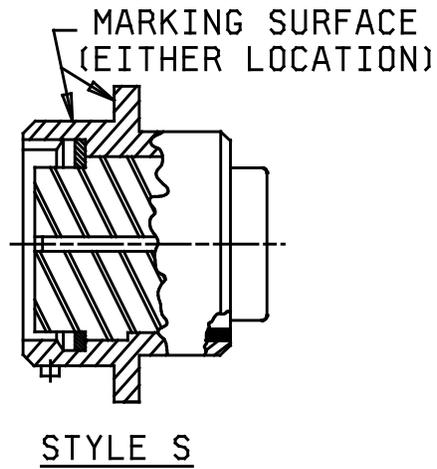


FIGURE 1. Receptacle.

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Shell size	L max	M dia max	R BSC	S max	T dia +.010 -.005
8	.312	.453	.297	.828	.120
10		.578	.3595	.954	
12		.703	.406	1.047	
14		.828	.453	1.141	
16		.953	.4845	1.234	
18		1.062	.531	1.328	
20		1.188	.578	1.453	
22		1.312	.625	1.578	
24		1.438	.6875	1.703	

FIGURE 1. Receptacle – Continued.

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Inches	mm	Inches	mm	Inches	mm	Inches	mm
.005	0.03	.266	6.76	.703	17.386	1.391	35.33
.007	0.18	.297	7.54	.828	21.03	1.438	36.53
.008	0.20	.312	7.92	.953	24.21	1.453	36.91
.010	0.25	.322	8.18	.954	24.23	1.516	38.51
.012	0.30	.3595	9.13	1.047	26.59	1.578	40.08
.015	0.38	.406	10.31	1.062	26.97	1.641	41.68
.036	0.91	.453	11.51	1.078	27.38	1.703	43.26
.058	1.47	.4845	12.31	1.141	28.98	1.766	44.86
.069	1.75	.516	13.11	1.188	30.18	1.891	48.03
.120	3.05	.531	13.49	1.234	31.34	2.016	51.21
.139	3.53	.578	14.68	1.266	32.16	2.204	55.98
.147	3.73	.625	15.88	1.312	33.32		
.223	5.66	.6875	17.46	1.328	33.73		

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. The gage feature for GG shall be .010 inch (0.25 mm) smaller than the MMC size at basic location.

FIGURE 1. Receptacle – Continued.

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REQUIREMENTS:

Dimensions and configurations: See figure 1.

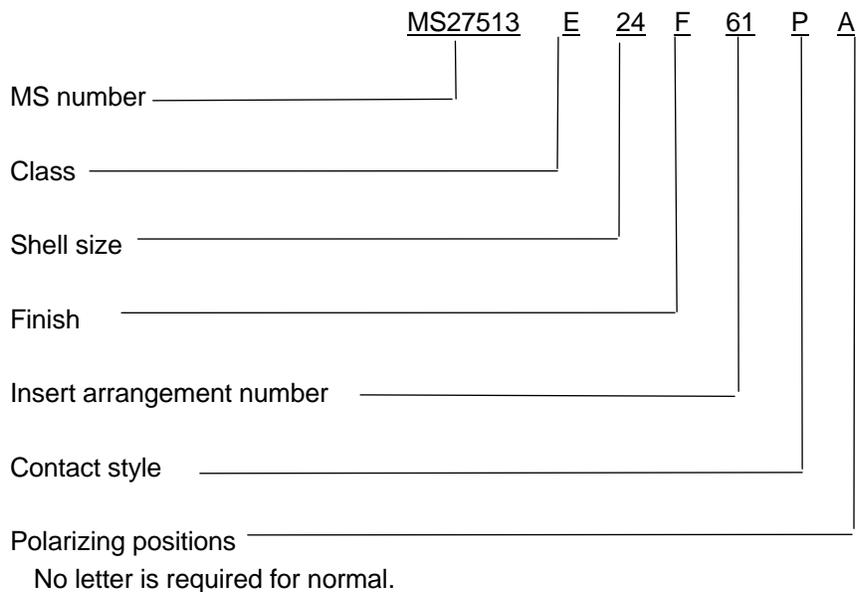
Interface dimensions shall be in accordance with MIL-DTL-38999. Note: Series II box mount connectors have no accessory threads.

Mating connectors: MS27473, MS27480, MS27484 and MS27500.

Insert arrangements: See MIL-STD-1560.

Procurement specification: MIL-DTL-38999.

Part or Identifying Number (PIN) example:



Restrictions.

Finish F is not for Navy use. Finish F is inactive for new design for Air Force.

Amendment notations. The margins of this specification are marked with vertical lines to indicate modifications generated by this amendment. 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.

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

MIL-STD-1560  
MS27473  
MS27480  
MS27484  
MS27500

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CONCLUDING MATERIAL

Custodians:

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

Preparing activity:

DLA – CC

(Project 5935-2012-200)

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>.