

INCH-POUND

MS27484N

2 February 2012

SUPERSEDING

MS27484M

12 July 2002

## DETAIL SPECIFICATION SHEET

CONNECTORS, PLUG, ELECTRICAL, STRAIGHT, CRIMP  
TYPE, BAYONET COUPLING, EMI, 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.

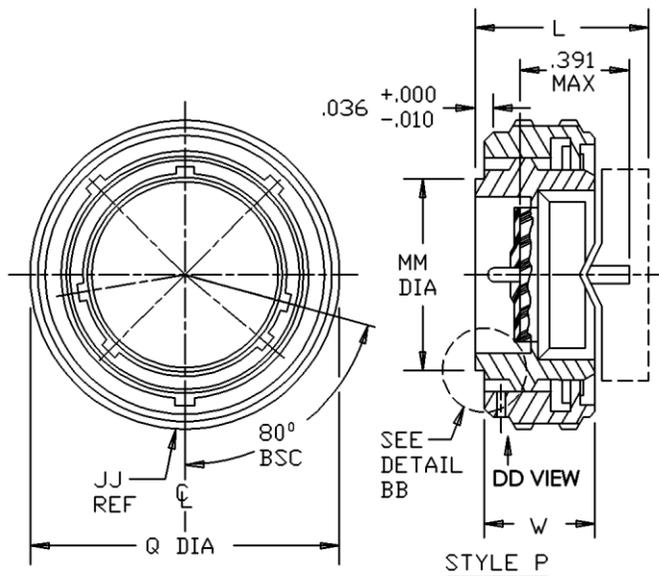
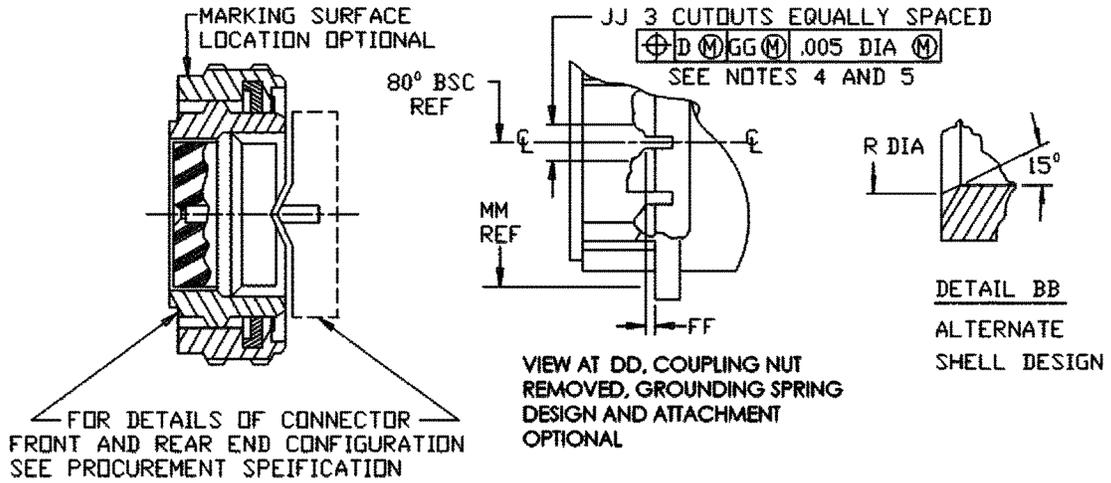


FIGURE 1. Plug, classes E, P and T.

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STYLE S

Shell size	K max REF	Q dia max	R dia +.005 -0.006	W ±.015	FF max	JJ min	MM dia +.007 -0.004	
8	.155	.750	.316	.547	.036	.109	.456	
10		.859	.436				.573	
12		1.031	.549				.733	
14		1.156	.675				.858	
16		1.281	.799				.983	
18		1.406	.893				1.108	
20	.109	1.531	1.018	.524	.017	.156	1.228	
22		1.641	1.143				1.353	
24		1.766	1.268				.575	1.478

FIGURE 1. Plug, classes E, P and T – Continued.

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Shell size	L (class E) max overall length	L (class T) max overall length	L (class P) max overall length
8	1.016	.766	1.020
10			
12			
14			
16			
18			
20			
22			
24	1.094	.844	1.080

Inches	mm	Inches	mm	Inches	mm	Inches	mm
.001	0.03	.316	8.03	.766	19.46	1.143	29.03
.004	0.10	.391	9.93	.799	20.29	1.156	29.36
.005	0.13	.436	11.07	.844	21.44	1.228	31.19
.006	0.15	.456	11.58	.858	21.79	1.268	32.21
.007	0.18	.524	13.31	.859	21.82	1.281	32.54
.010	0.25	.547	13.89	.893	22.68	1.353	34.37
.015	0.38	.549	13.94	.953	24.21	1.406	35.71
.017	0.43	.573	14.55	.983	24.97	1.478	37.54
.036	0.91	.575	14.61	1.018	25.85	1.531	38.89
.109	2.77	.675	17.15	1.020	25.91	1.641	41.68
.155	3.94	.733	18.62	1.031	26.19	1.766	44.86
.156	3.96	.750	19.05	1.080	27.43		

## NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. For main key and key positions, see MIL-DTL-38999.
4. The gauge feature for GG shall be .004 inch (0.10 mm) larger than the MMC size at base location.
5. Design contour of cutouts optional. Cutouts to accommodate receptacle projections.

FIGURE 1. Plug, classes E, P and T – Continued.

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## REQUIREMENTS:

Dimensions and configuration: See figure 1.

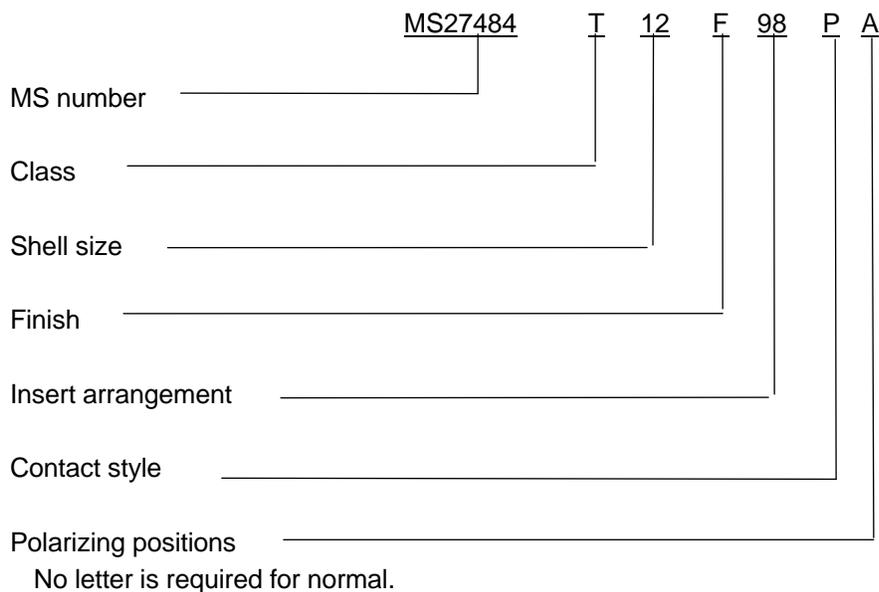
Interface dimensions shall be in accordance with MIL-DTL-38999.

Mating connectors: MIL-DTL-38999/10, MS27472, MS27474, MS27475, MS27476, MS27477, MS27478, MS27479, MS27480, MS27481, MS27497, MS27499, MS27504, MS27508 and MS27513.

Procurement Specification: MIL-DTL-38999.

Insert arrangements: See MIL-STD-1560.

Part or Identifying Number (PIN) example:



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-DTL-38999/10  
MIL-STD-1560  
MS27472  
MS27474  
MS27475  
MS27476  
MS27477  
MS27478  
MS27479  
MS27480  
MS27481  
MS27497  
MS27499  
MS27504  
MS27508  
MS27513

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CONCLUDING MATERIAL

Custodians:

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

Preparing activity:

DLA – CC

(Project 5935-2012-032)

Review activities:

Army – AR, MI  
Navy – EC  
Air Force – 19, 99

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>.