INCH-POUND
MS27484N
w/AMENDMENT 1
15 November 2012
SUPERSEDING
MS27484N
2 February 2012

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.

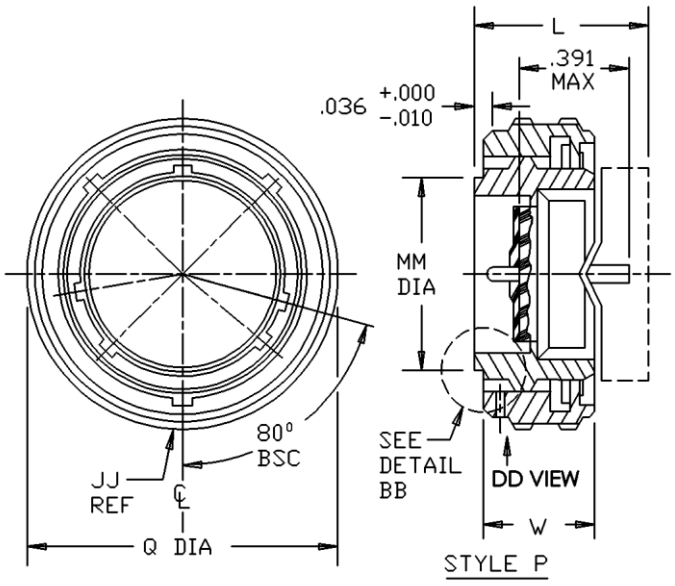


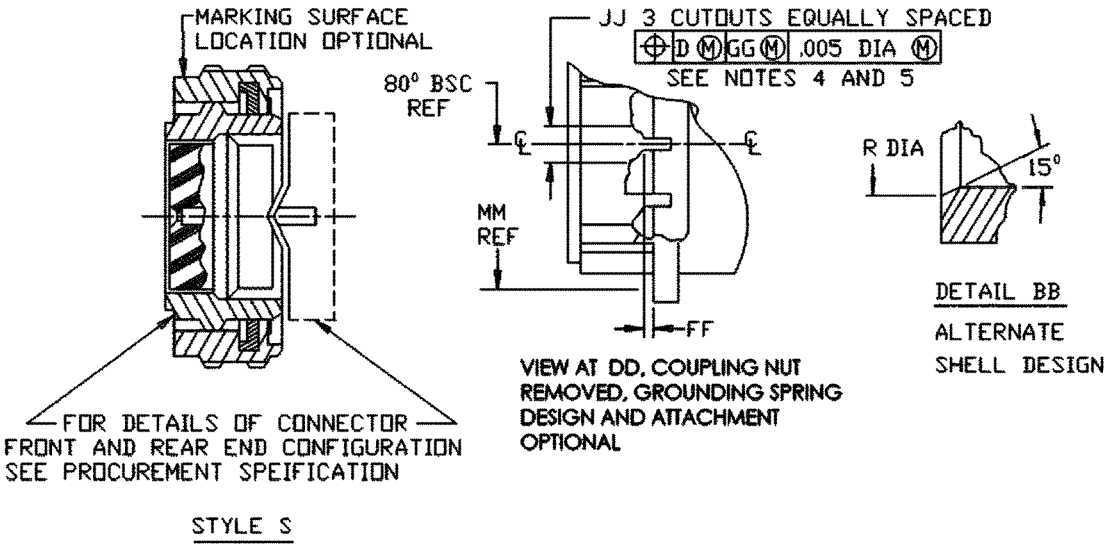
FIGURE 1. Plug, classes E, P and T.

AMSC N/A

FSC 5935

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Shell size	K max REF	Q dia max	R dia +.005 -.006	W ±.015	FF max	JJ min	MM dia +.007 -.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.
6 Applicable potting forms for class P: SAE-AS85049/58 and SAE-AS85049/75.

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

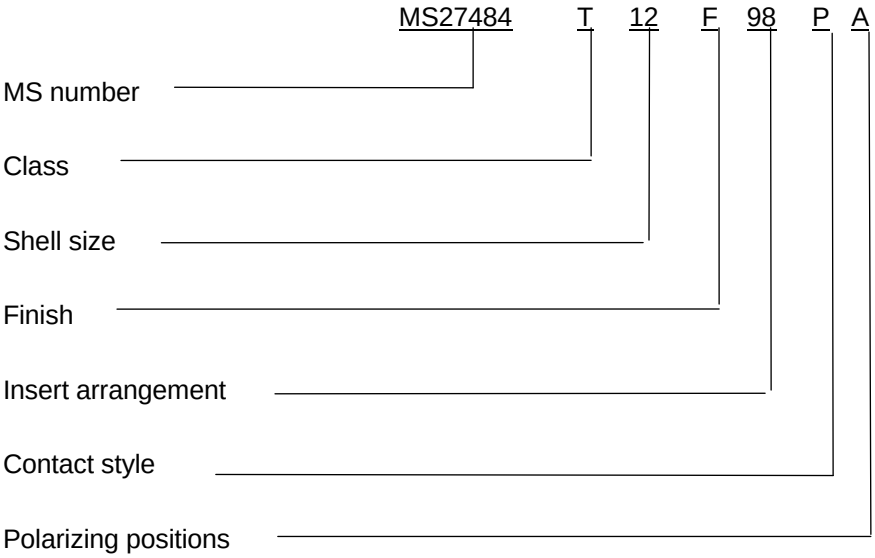
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REQUIREMENTS:

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, MS27497, MS27499, MS27508 and MS27513.
Procurement specification: MIL-DTL-38999.
Insert arrangements: See MIL-STD-1560.
For class E, compression nut in accordance with SAE-AS85049/27 shall be included.

Part or Identifying Number (PIN) example:



No letter is required for normal.

Restrictions.
Class E is inactive for new design.
Class P is inactive for new design for the Air Force.
Finish F is not for Navy use. Finish F is inactive for new design for the 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.

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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
MS27497
MS27499
MS27508
MS27513
SAE-AS85049/27
SAE-AS85049/58
SAE-AS85049/75

CONCLUDING MATERIAL

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

Preparing activity:
DLA – CC

(Project 5935-2012-219)

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.dla.mil.

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