

INCH-POUND

MS27473N  
w/AMENDMENT 1  
15 November 2012  
SUPERSEDING  
MS27473N  
2 February 2012

# DETAIL SPECIFICATION SHEET

CONNECTORS, PLUG, ELECTRICAL, STRAIGHT,  
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.

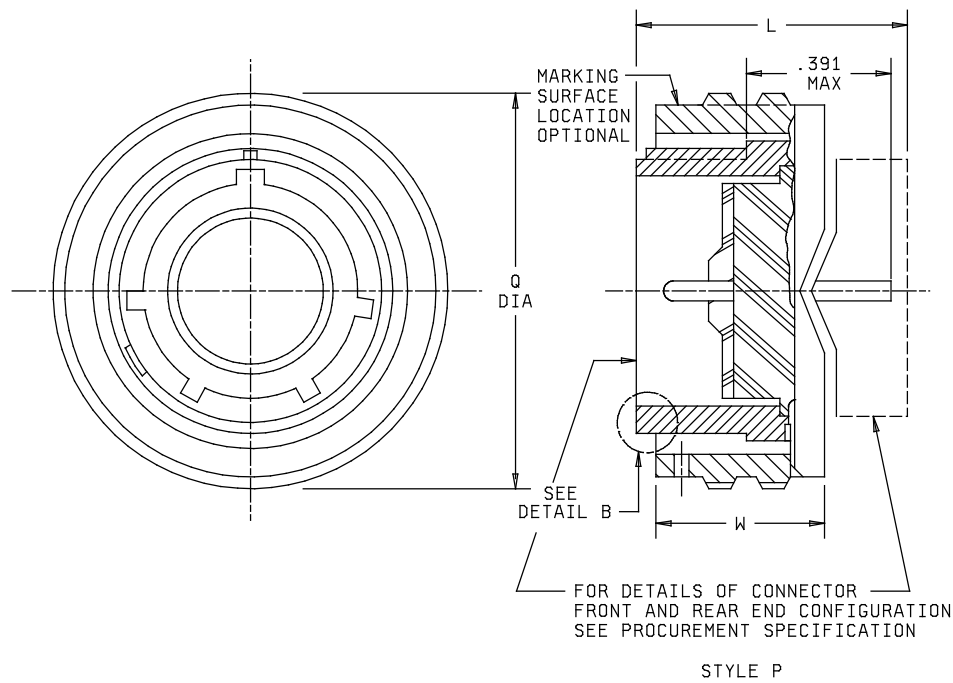


FIGURE 1. Plug, classes E, T and P.

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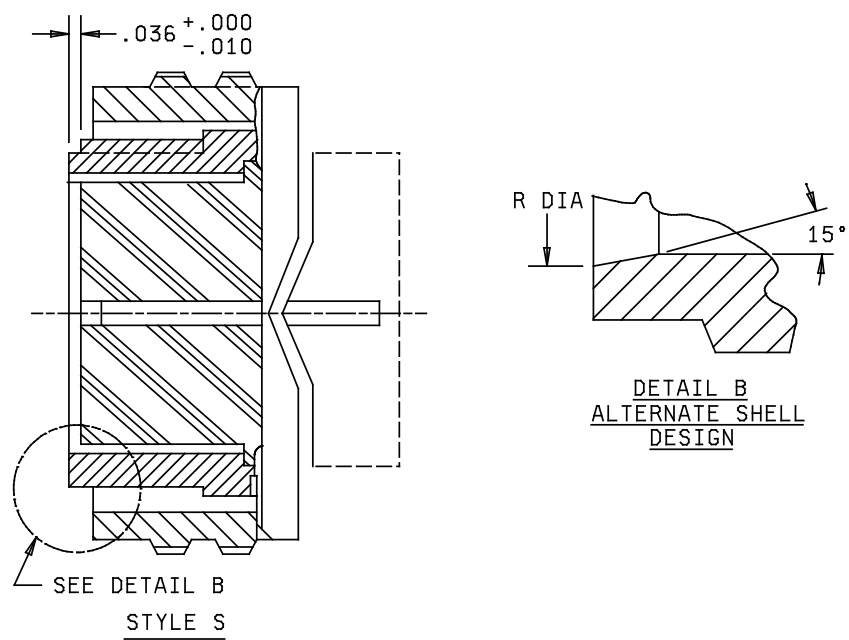


FIGURE 1. Plug, classes E, T and P - Continued.

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Shell size	L max			Q dia max	R dia + .005 -.006	W ± .015
	Class E	Class P See note 5	Class T See note 6			
8	1.026	1.020	.766	.750	.316	.547
10				.859	.436	
12				1.031	.549	
14				1.156	.675	
16				1.281	.799	
18				1.406	.893	
20				1.531	1.018	.524
22				1.641	1.143	
24	1.104	1.080	.844	1.766	1.268	.575

Inches	mm	Inches	mm	Inches	mm	Inches	mm
.005	0.13	.524	13.31	.844	21.44	1.143	29.03
.006	0.15	.547	13.89	.859	21.82	1.156	29.36
.010	0.25	.549	13.94	.893	22.68	1.268	32.21
.015	0.38	.575	14.61	.953	24.21	1.281	32.54
.036	0.91	.675	17.15	1.018	25.86	1.406	35.71
.316	8.03	.750	19.05	1.020	25.91	1.531	38.89
.391	9.93	.766	19.46	1.031	26.19	1.641	41.68
.436	11.07	.799	20.29	1.080	27.43	1.766	44.86

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. For main key polarization and key positions, see MIL-DTL-38999.
4. Dimensions and tolerances are in accordance with ASME Y14.5.
5. Applicable potting forms for class P: SAE-AS85049/58 and SAE-AS85049/75.
6. To the end of teeth.

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

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REQUIREMENTS:

Dimensions and configurations: See figure 1.

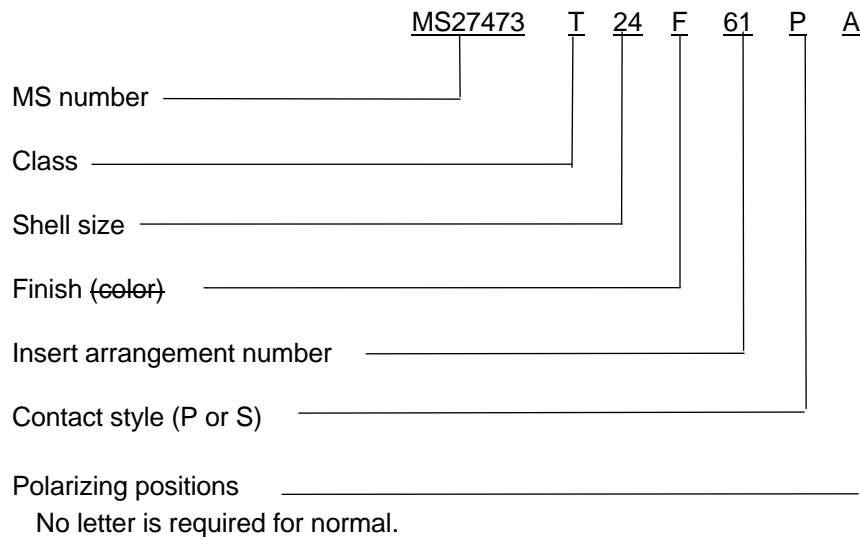
Interface dimensions shall be in accordance with MIL-DTL-38999.

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

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:



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  
ASME Y14.5  
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 5935-2012-196)

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>.