

INCH - POUND

MS27336F
 20 May 2005
 SUPERSEDING
 MS27336E
 14 January 1975

DETAIL SPECIFICATION SHEET

CONNECTORS, PLUG, ELECTRICAL, STRAIGHT, SOLDER
 TYPE, BAYONET COUPLING, CLASSES P & T, SERIES II

This specification is approved for use by all Departments
 and Agencies of the Department of Defense.

Inactive for new design after 7 December 1998.

The requirements for acquiring the product described herein
 shall consist of this specification sheet and MIL-DTL-27599.

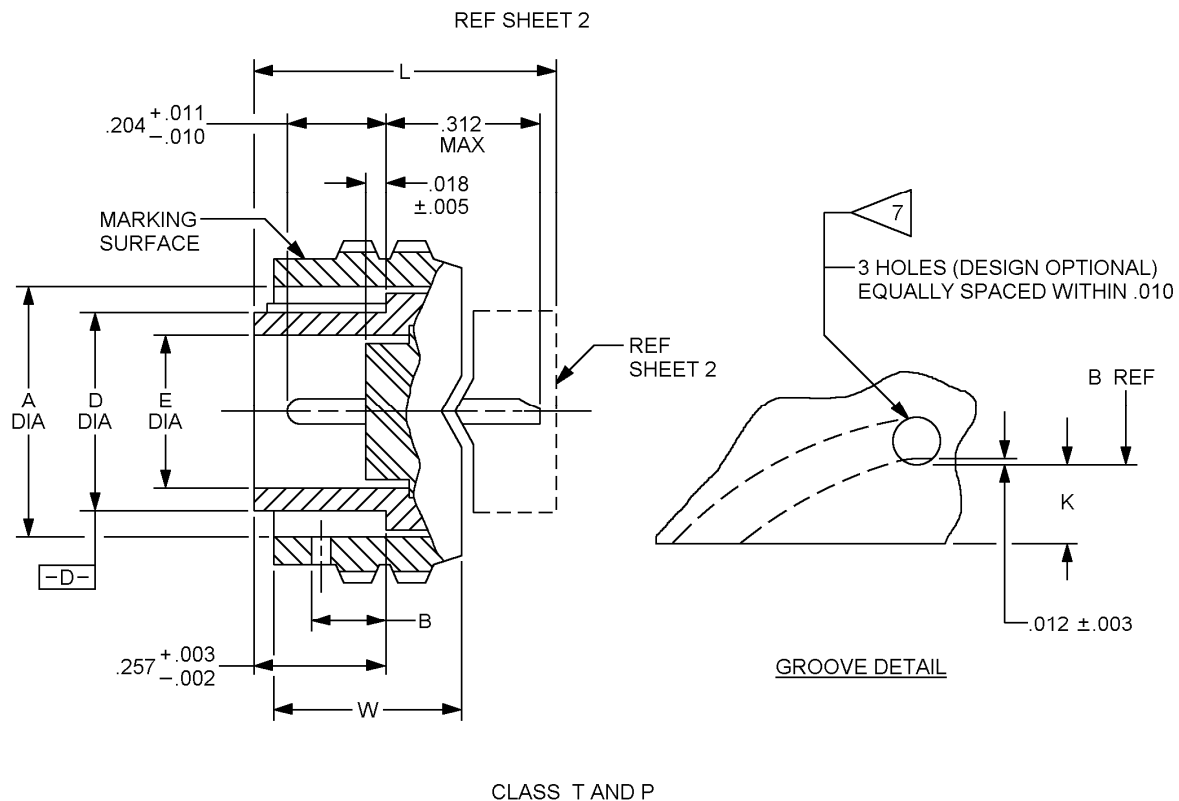


FIGURE 1. Plug, straight.

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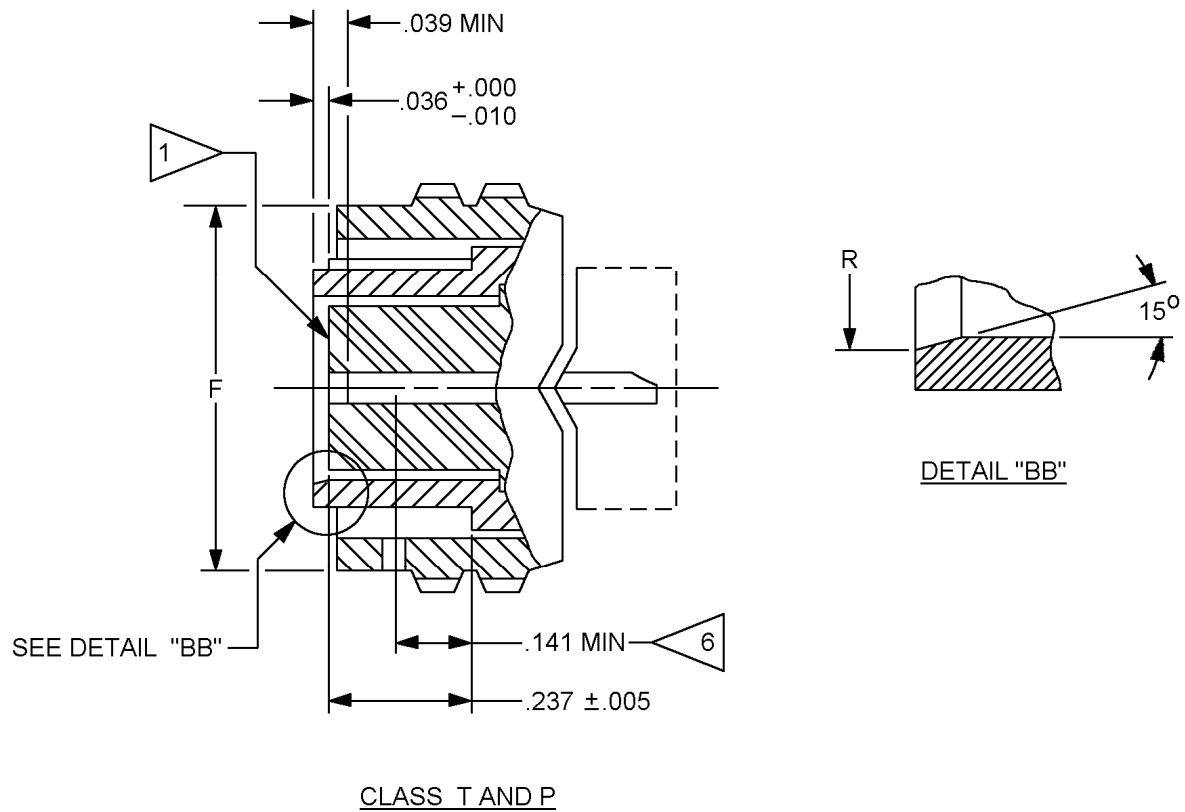
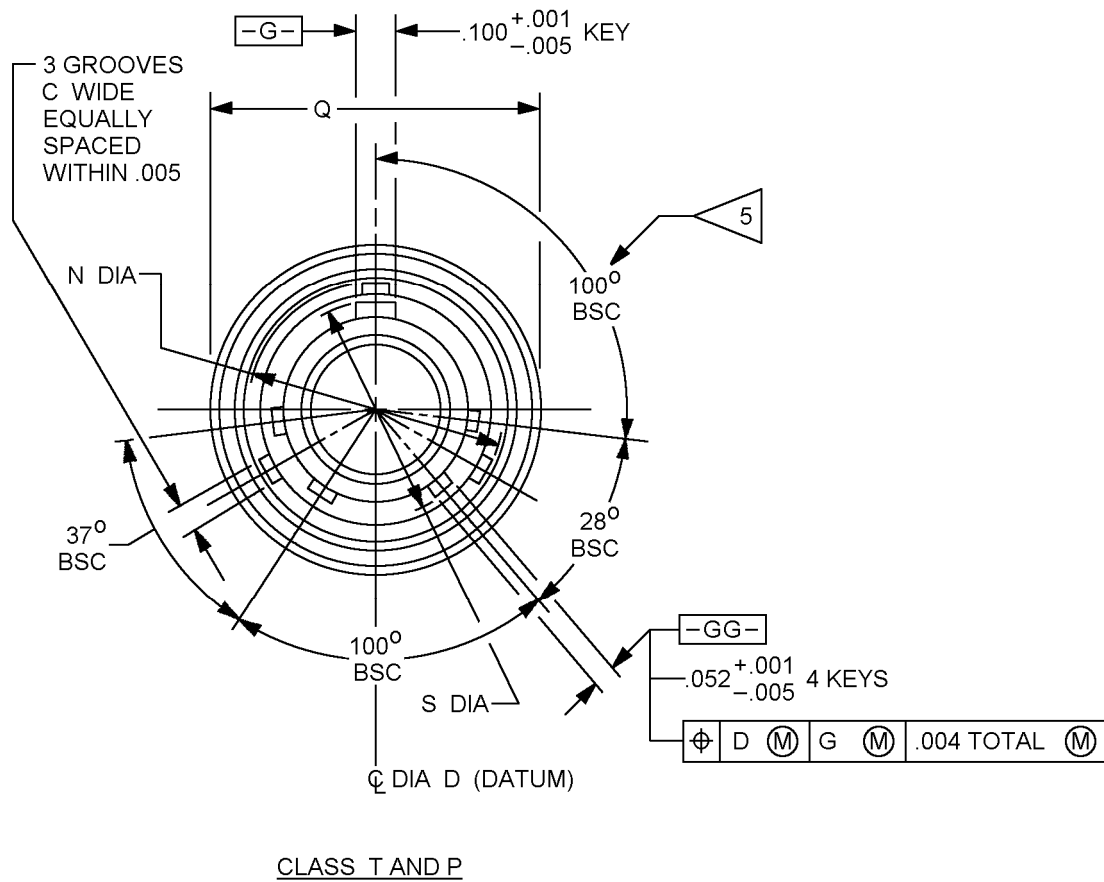


FIGURE 1. Plug, straight - Continued.

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FIGURE 1. Plug, straight - Continued.

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Inches	mm	Inches	mm	Inches	mm	Inches	mm
0.001	0.0254	0.01	0.254	0.039	0.991	0.237	6.02
0.002	0.0508	0.011	0.279	0.052	1.321	0.257	6.528
0.003	0.0762	0.012	0.305	0.100	2.540	0.312	7.925
0.004	0.1016	0.018	0.457	0.141	3.581		
0.005	0.1270	0.036	0.914	0.204	5.182		

NOTES:

1. Insert front surface shall be flat within .005 T.I.R.
2. Diameter D with respect to diameter S shall be concentric at MMC.
3. Diameters A and N shall be concentric within .008/ T.I.R.
4. Dimensions are in inches. Metric equivalents are in parenthesis and given for information only.
5. Normal keyway position. For other keyway positions, see MIL-DTL-27599.
6. The point at which a gauge pin having the same basic diameter as the mating contact and a square face, touches socket contact spring.
7. Holes shall be provided for visual inspection of lock when mated with receptacle.

FIGURE 1. Plug, straight - Continued.

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Table 1. Dimensions.

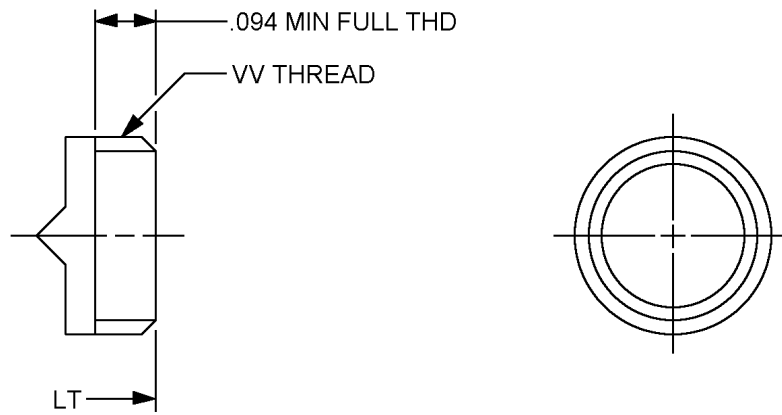
Shell size	A dia + .005 - .001	B $\pm .020$	C + .015 - .001	D dia + .001 - .005	E min dia	F dia + .000 - .006
8	.481 (12.22)	.096 (2.44)	.090 (2.28)	.357 (9.07)	.306 (7.77)	.630 (16.00)
10	.602 (15.29)			.485 (12.32)	.423 (10.74)	.752 (19.10)
12	.761 (19.33)			.597 (15.16)	.537 (13.64)	.925 (23.49)
14	.885 (22.48)			.722 (18.34)	.662 (16.81)	1.050 (26.67)
16	1.010 (25.65)			.847 (21.51)	.787 (19.99)	1.172 (29.77)
18	1.136 (28.85)			.947 (24.05)	.876 (22.25)	1.304 (33.12)
20	1.260 (32.00)	.123 (3.12)	.137 (3.48)	1.072 (27.23)	1.001 (25.42)	1.435 (36.45)
22	1.385 (35.18)			1.197 (30.40)	1.126 (28.60)	1.560 (39.62)
24	1.510 (38.35)			1.322 (33.58)	1.251 (31.77)	1.688 (42.87)

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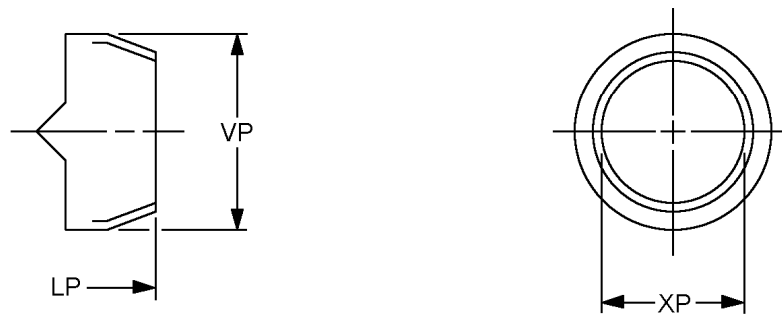
Table 1. Dimensions.

Shell size	K max ref	N dia + .010 - .006	Q max dia	R dia + .005 - .006	S + .001 - .010	W $\pm .015$
8	.155 (3.94)	.576 (14.63)	.750 (19.05)	.316 (8.03)	.402 (10.21)	.547 (13.89)
10		.697 (17.70)	.859 (21.82)	.436 (11.07)	.530 (13.46)	
12		.871 (22.12)	1.031 (26.19)	.549 (13.94)	.679 (17.24)	
14		.995 (25.27)	1.156 (29.36)	.675 (17.14)	.804 (20.42)	
16		1.120 (28.45)	1.281 (32.53)	.799 (20.29)	.929 (23.59)	
18		1.245 (31.62)	1.406 (35.71)	.893 (22.68)	1.029 (26.13)	
20	.109 (2.77)	1.370 (34.80)	1.531 (38.88)	1.018 (25.86)	1.154 (29.13)	.524
22		1.495 (37.97)	1.641 (41.68)	1.143 (29.03)	1.279 (32.48)	(13.31)
24		1.624 (41.25)	1.766 (44.85)	1.268 (32.20)	1.404 (35.66)	.575 (14.60)

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CLASS T



CLASS P

FIGURE 2. Plug, straight, rear accessory areas.

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Table 2. Dimensions.

Shell size	LT max overall length	VV thread UNEF-2A MOD (Plated)		LP max	XP min	VP max
		size	major dia MOD			
8	.625 (15.87)	.4375 - 28	.421 - .417 (10.69 – 10.60)	.797 (20.24)	.317 (8.05)	.531 (13.48)
10		.5625 - 24	.542 - .538 (13.76 – 13.66)		.434 (11.02)	.641 (16.28)
12		.6875 - 24	.667 - .663 (16.94 – 16.84)		.548 (13.92)	.766 (19.45)
14		.8125 - 20	.791 - .787 (20.09 – 19.98)		.673 (17.09)	.891 (22.63)
16		.9375 - 20	.916 - .912 (23.26 – 23.16)		.798 (20.27)	1.016 (25.80)
18		1.0625 - 18	1.034 - 1.030 (26.26 – 26.16)		.899 (22.83)	1.125 (28.57)
20		1.1875 - 18	1.158 - 1.154 (29.41 – 29.31)		1.024 (26.01)	1.250 (31.75)
22		1.3125 - 18	1.283 - 1.279 (32.58 – 32.48)		1.149 (29.18)	1.375 (34.92)
24	.703 (17.85)	1.4375 - 18	1.408 - 1.404 (35.76 – 35.66)	.875 (22.22)	1.274 (32.36)	1.500 (38.10)

REQUIREMENTS:

Dimensions and configurations: See figures 1 and 2 and tables 1 and 2.

This connector mates with MS27334, MS27335 and MS27337.

Insert arrangement shall be in accordance with MIL-STD-1560.

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Part or Identifying Number (PIN) example:

	<u>MS27336</u>	<u>T</u>	<u>24</u>	<u>A</u>	<u>61</u>	<u>P</u>	<u>A</u>
MS number	_____						
Class	_____						
Shell size	_____						
Finish (color)	_____						
Insert arrangement	_____						
Style	_____						
Polarizing position	_____						
(No letter is required for normal position)							

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.

Reference documents. In addition to MIL-DTL-27599, this document references the following:

MIL-STD-1560
MS27334
MS27335
MS27337

CONCLUDING MATERIAL

Custodians:
Air Force - 11
DLA - CC

Preparing activity:
DLA - CC

Review activities:
Air Force - 99
DLA - IS

(Project 5935-4652-000)

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 <http://assist.daps.dla.mil>.