

INCH - POUND

MS27335D  
 20 May 2005  
 SUPERSEDING  
 MS27335C  
 20 December 1967

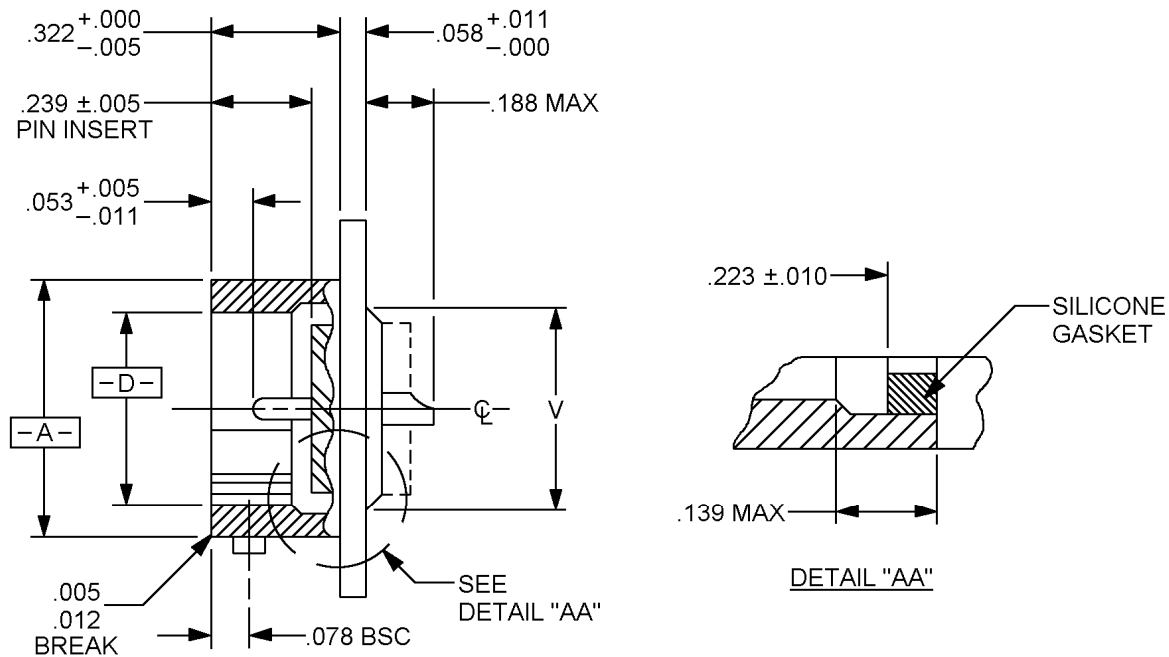
## DETAIL SPECIFICATION SHEET

CONNECTORS, RECEPTACLE, ELECTRICAL, BOX, FLANGE MOUNT,  
 SOLDER TYPE, BAYONET COUPLING, CLASS 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.



CLASS T

FIGURE 1. Receptacle, box, flange mount.

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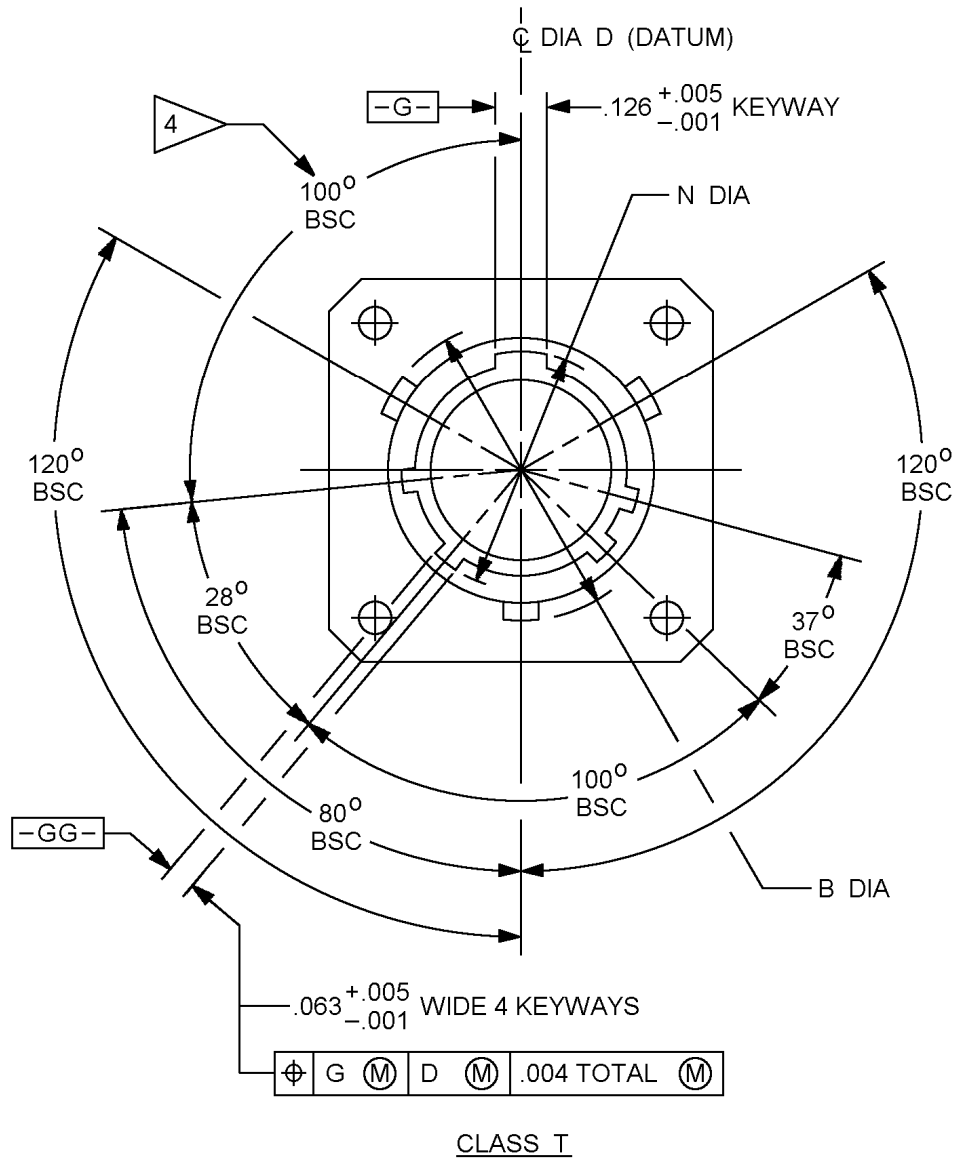


FIGURE 1. Receptacle, box, flange mount - Continued.

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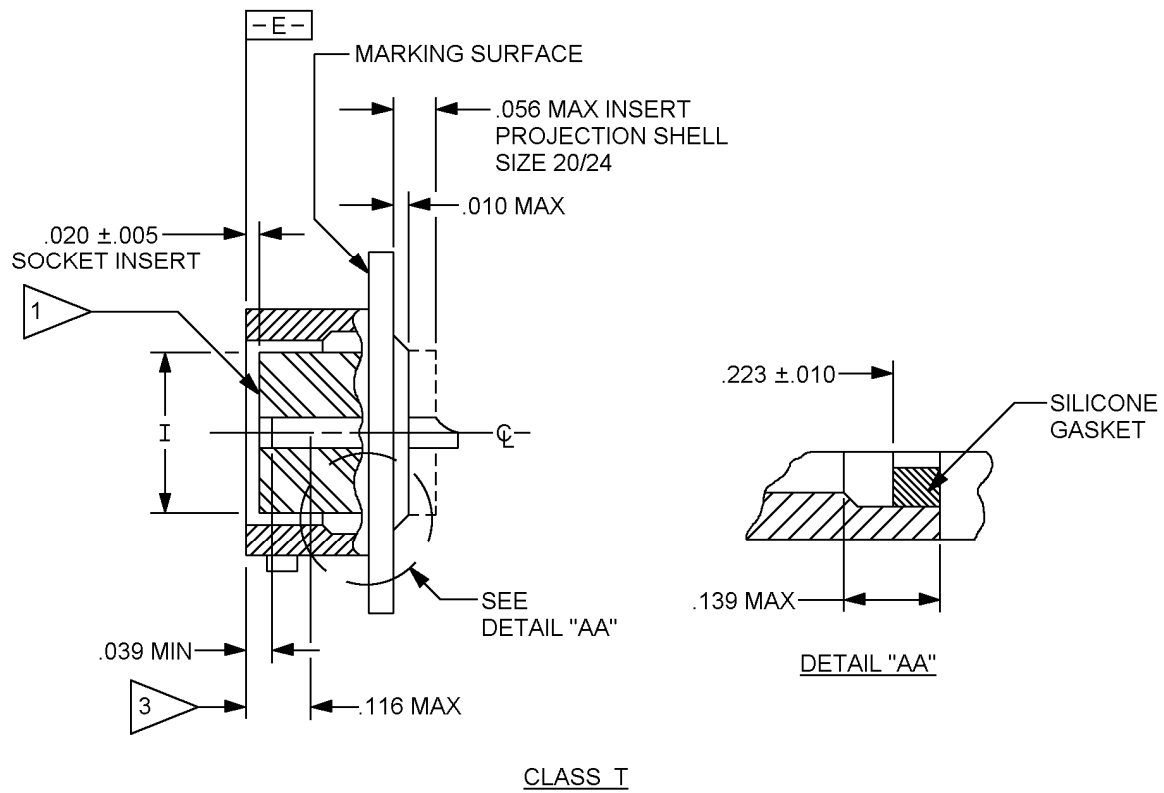
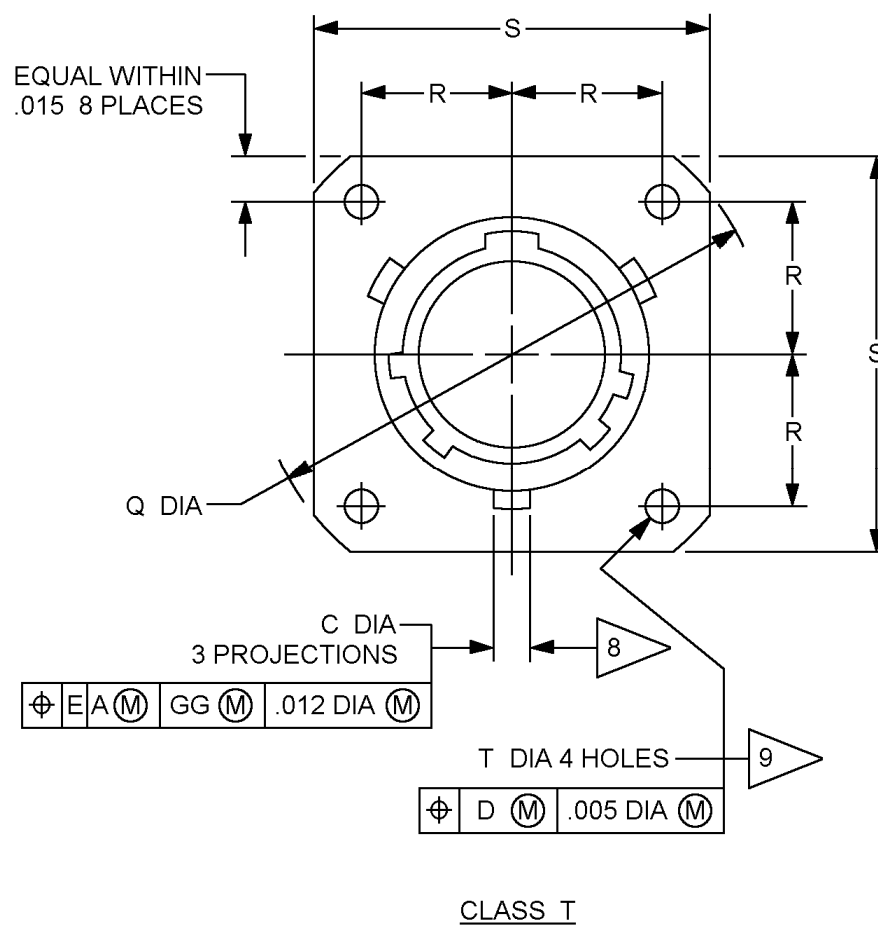


FIGURE 1. Receptacle, box, flange mount - Continued.

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Inches	mm	Inches	mm	Inches	mm	Inches	mm
0.001	0.0254	0.012	0.305	0.058	1.473	0.139	3.531
0.004	0.1016	0.015	0.381	0.063	1.600	0.188	4.775
0.005	0.127	0.02	0.508	0.078	1.981	0.223	5.664
0.010	0.254	0.039	0.991	0.116	2.947	0.239	6.071
0.011	0.279	0.053	1.346	0.126	3.200	0.322	8.179

## NOTES:

1. Insert front surface shall be flat within .005 T.I.R.
2. Dimensions are in inches. Metric equivalents are in parenthesis and given for information only.
3. The point at which a gauge pin having the same basic diameter as the mating contact and a square face, touches socket contact spring.
4. Normal keyway position. For other keyway positions, see MIL-DTL-27599.
5. Diameters A and D shall be concentric within .015 T.I.R.
6. Diameter A with respect to diameter B, and diameter D with respect to diameter N, shall be concentric at MMC.
7. Diameters D and I shall be concentric within .005 T.I.R. at MMC.
8. The gauge features for GG shall be CC smaller than their MMC size at basic location.
9. The gauge features for GG shall be .010 smaller than their MMC size at basic location.

FIGURE 1. Receptacle, box, flange mount - Continued.

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TABLE 1. Dimensions.

Shell size	A dia + .001 - .005	B dia + .000 - .016 over projections	C dia + .006 - .002	D dia + .005 - .001	I dia $\pm$ .005	N dia + .005 - .006
8	.473 (12.01)	.563 (14.30)	.078  (1.98)	.362 (9.19)	.296 (7.52)	.412 (10.46)
10	.590 (14.98)	.680 (17.27)		.490 (12.44)	.413 (10.49)	.540 (13.71)
12	.750 (19.05)	.859 (21.82)		.607 (15.42)	.527 (13.38)	.689 (17.50)
14	.875 (22.22)	.984 (25.00)		.732 (18.59)	.652 (16.56)	.814 (20.67)
16	1.000 (25.40)	1.108 (28.14)		.857 (21.77)	.777 (19.73)	.939 (23.85)
18	1.125 (28.57)	1.233 (31.32)		.962 (24.43)	.866 (22.00)	1.039 (26.39)
20	1.250 (31.75)	1.358 (34.49)	.125  (3.175)	1.087 (27.60)	.991 (25.17)	1.164 (29.56)
22	1.375 (34.92)	1.483 (37.67)		1.212 (30.78)	1.116 (28.34)	1.289 (32.74)
24	1.500 (38.10)	1.610 (40.89)		1.337 (33.96)	1.241 (31.52)	1.414 (35.91)

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Table 1. Dimensions.

Shell size	Q max dia	R BSC	S max	T + .010 - .005	V max dia	CC
8	1.078 (27.38)	.297 (7.54)	.828 (21.03)	.120  (3.05)	.406 (10.31)	.004 (.102)
10	1.266 (32.15)	.3595 (9.1313)	.954 (24.23)		.516 (13.10)	.010  (.254)
12	1.391 (35.33)	.406 (10.31)	1.047 (26.59)		.640 (16.26)	
14	1.516 (38.50)	.453 (11.50)	1.141 (28.98)		.766 (19.45)	
16	1.641 (41.68)	.4845 (12.30)	1.234 (31.34)		.890 (22.60)	
18	1.766 (44.85)	.531 (13.48)	1.328 (33.73)		.984 (25.00)	
20	1.891 (48.03)	.578 (14.68)	1.453 (36.90)		1.109 (28.17)	
22	2.016 (51.20)	.625 (15.87)	1.578 (40.08)		1.234 (31.34)	
24	2.204 (55.98)	.6875 (17.46)	1.703 (43.25)	.147 (3.73)	1.359 (34.52)	

## REQUIREMENTS:

Dimensions and configurations: See figure 1 & table 1.

This connector mates with MS27336.

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

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Part or Identifying Number (PIN) example:

	<u>MS27335</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  
MS27336

## CONCLUDING MATERIAL

Custodians:  
Air Force - 11  
DLA - CC

Preparing activity:  
DLA - CC

Review activities:  
Air Force - 99  
DLA - IS

(Project 5935-4651-000)

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>.