

INCH-POUND

MIL-DTL-83733/10C  
31 January 2011  
SUPERSEDING  
MIL-C-83733/10B (USAF)  
10 December 1980

DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, RECEPTACLE, PIN CONTACT, MINIATURE,  
RECTANGULAR TYPE, RACK TO PANEL, STAGGERED BUSHING MOUNTING,  
ENVIRONMENT RESISTING, 200°C

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-83733.

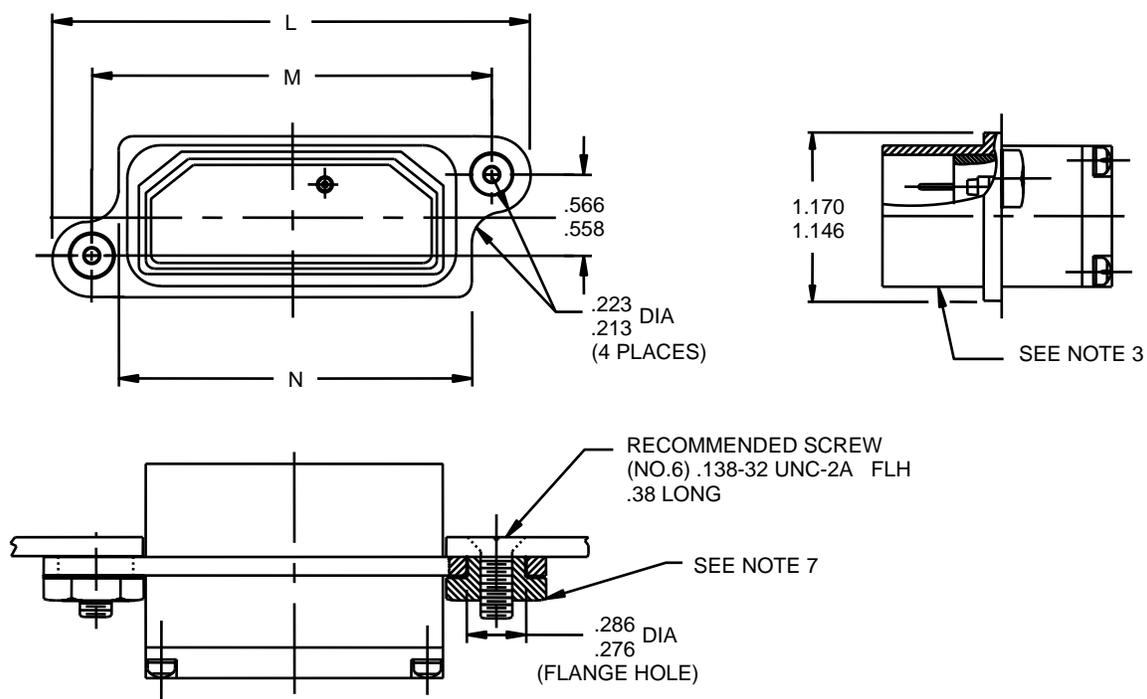


FIGURE 1. Dimensions and configurations.

MIL-DTL-83733/10C

Shell size	L	M	N
A	3.030	2.580	2.150
	3.000	2.570	2.130
B	4.330	3.880	3.450
	4.300	3.870	3.430

Inches	mm	Inches	mm	Inches	mm
.138	3.51	.566	14.38	3.000	76.20
.213	5.41	1.146	29.11	3.030	76.96
.223	5.66	1.170	29.72	3.870	98.30
.276	7.01	2.130	54.10	3.880	98.55
.286	7.26	2.150	54.61	4.300	109.22
.38	9.7	2.570	65.28	4.330	109.98
.558	14.17	2.580	65.53		

NOTES:

1. Dimensions are in inches.
2. See MIL-DTL-83733 for interface and backend configuration requirements.
3. This receptacle mates with MIL-DTL-83733/12 plug.
4. For contacts see MIL-DTL-83733 and SAE AS39029/4, SAE AS39029/50 or SAE AS39029/58.
5. For insert arrangements see MIL-STD-1531 and MIL-STD-1532.
6. For fixed bushings see MS24700-2
7. Layout arrangements containing size 22D contacts shall not be used in this shell configuration.
8. Metric equivalents are given for information only and are based upon 1.00 inch equals 25.4 mm.

FIGURE 1. Dimensions and configurations - Continued.

Changes from previous issue. The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. 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 marginal notations and relationship to the last previous issue.

MIL-DTL-83733/10C

Referenced documents. In addition to MIL-DTL-83733, this document references the following:

MIL-DTL-83733/12  
MIL-STD-1531  
MIL-STD-1532  
SAE AS39029/4  
SAE AS39029/50  
SAE AS39029/58

CONCLUDING MATERIAL

Custodians:  
Air Force - 85  
DLA - CC

Preparing activity:  
DLA – CC

(Project 5935-2010-038)

Review activity:  
Air Force – 99

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