

INCH-POUND

MIL-DTL-83733/12E
01 July 2015
SUPERSEDING
MIL-DTL-83733/12D
31 January 2011

DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, PLUG, SOCKET CONTACT, MINIATURE,
RECTANGULAR TYPE, RACK TO PANEL, STAGGERED SPRING MOUNTING,
ENVIRONMENT RESISTING, 200 DEGREES 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.

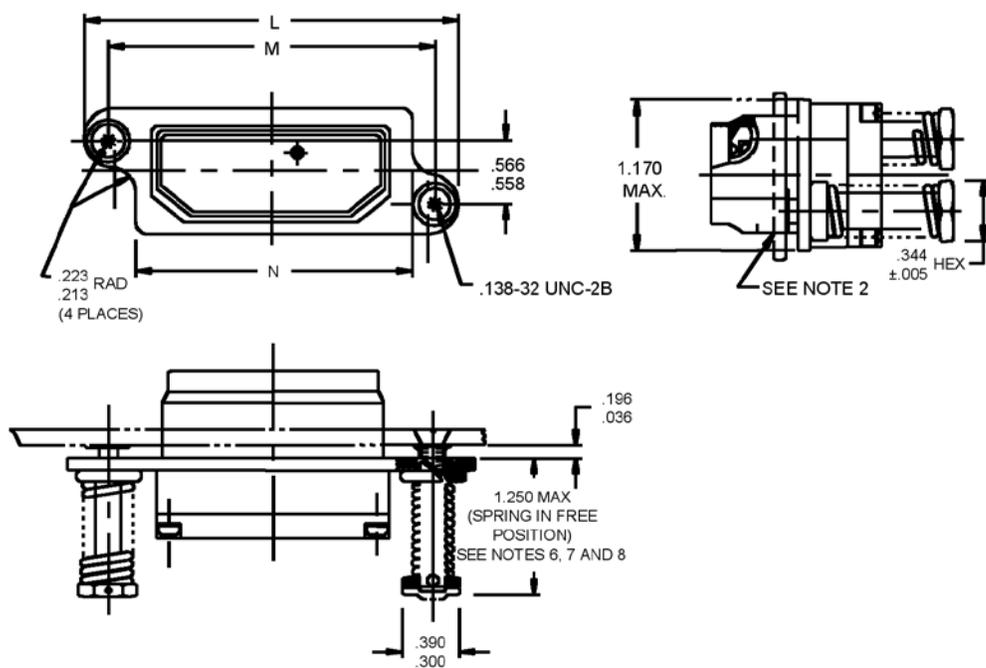


FIGURE 1. Dimensions and configurations.



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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
.005	.13	.566	14.38	3.000	76.20
.138	3.51	1.146	29.11	3.030	76.96
.196	4.98	1.170	29.72	3.870	98.30
.213	5.41	2.130	54.10	3.880	98.55
.223	5.66	2.150	54.61	4.300	109.22
.344	8.74	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 plug mates with MIL-DTL-83733/9, MIL-DTL-83733/10, MIL-DTL-83733/11 receptacles.
4. For contacts see MIL-DTL-83733 and SAE AS39029/5, SAE AS39029/51 or SAE AS39029/57.
5. For insert arrangements see MIL-STD-1531 and MIL-STD-1532.
6. For spring mounting see MIL-DTL-83733/17.
7. Springs are pre-loaded to 25 pounds each in free position.
8. Spring forces will be 59 pounds minimum at .500 panel spacing and 88 pounds maximum at .390 panel spacing.
9. This configuration must not be used on the 131 and 185 contact layouts.
10. Metric equivalents are given for information only.

FIGURE 1. Dimensions and configurations - Continued.

Revision notations. The margins of this specification are marked with vertical lines to indicate where modifications from this revision 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 the marginal notations.

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

MIL-DTL-83733/9
MIL-DTL-83733/10
MIL-DTL-83733/11
MIL-DTL-83733/17
MIL-STD-1531
MIL-STD-1532
SAE AS39029/5
SAE AS39029/51
SAE AS39029/57

CONCLUDING MATERIAL

Custodians:

Air Force - 85
DLA - CC

Preparing activity:

DLA – CC

(Project 5935-2015-159)

Review activity:

Air Force – 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/>