

INCH-POUND

MIL-DTL-83733/4D
w/AMENDMENT 1
10 September 2012
SUPERSEDING
MIL-DTL-83733/4D
31 January 2011

DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, PLUG, SOCKET CONTACT, MINIATURE,
RECTANGULAR TYPE, RACK TO PANEL, WITH CAPTIVE SPRINGS,
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.

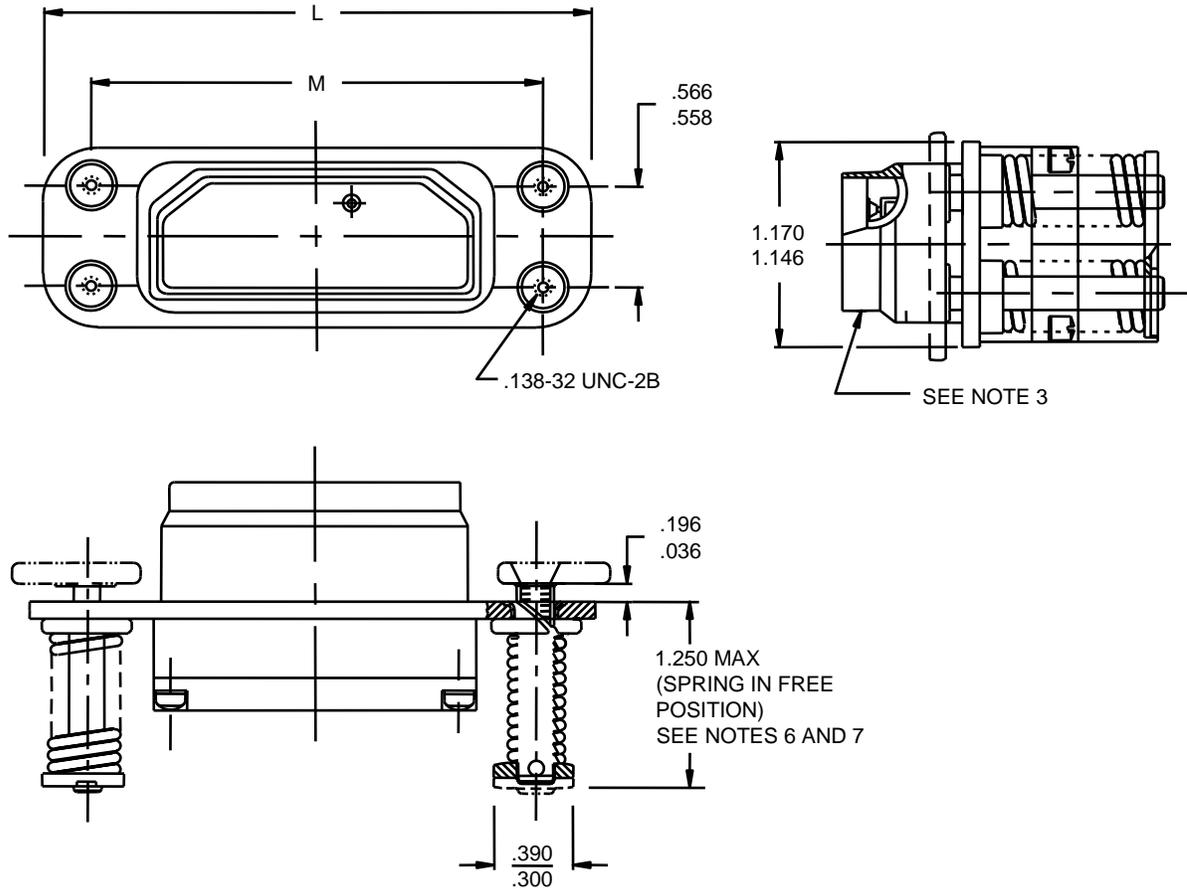


FIGURE 1. Dimensions and configurations.

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Shell size	L	M
A	3.030 3.000	2.580 2.570
B	4.330 4.300	3.880 3.870

Inches	mm	Inches	mm	Inches	mm
.036	0.91	.558	14.17	3.000	76.20
.138	3.51	.566	14.38	3.030	76.96
.196	4.98	1.146	29.11	3.870	98.30
.300	7.62	1.170	29.72	3.880	98.55
.390	9.91	2.570	65.28	4.300	109.22
.500	12.70	2.580	65.53	4.330	109.98

NOTES:

1. Dimensions are in inches.
2. See MIL-DTL-83733 for interface and backend configuration requirements.
3. This plug mates with MIL-DTL-83733/1, MIL-DTL-83733/5 and MIL-DTL-83733/6 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. Springs are pre-loaded to 25 pounds each in free position.
7. Spring forces will be 118 pounds minimum at .500 panels spacing, and 176 pounds maximum at .390 panel spacing.
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.

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-83733, this document references the following:

MIL-DTL-83733/1
MIL-DTL-83733/5
MIL-DTL-83733/6
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 5935-2012-083)

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/>.