

INCH-POUND

MIL-DTL-83723/72E
w/AMENDMENT 2
8 March 2024
SUPERSEDING
MIL-DTL-83723/72E
w/AMENDMENT 1
22 September 2020

DETAIL SPECIFICATION SHEET

CONNECTOR, ELECTRIC, (CIRCULAR, ENVIRONMENT RESISTING),
RECEPTACLE, (FLANGE MOUNT, BAYONET COUPLING, CRIMP PIN CONTACT)
(SERIES III, CLASSES A, G, M, R, T, W AND Z)

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-83723.

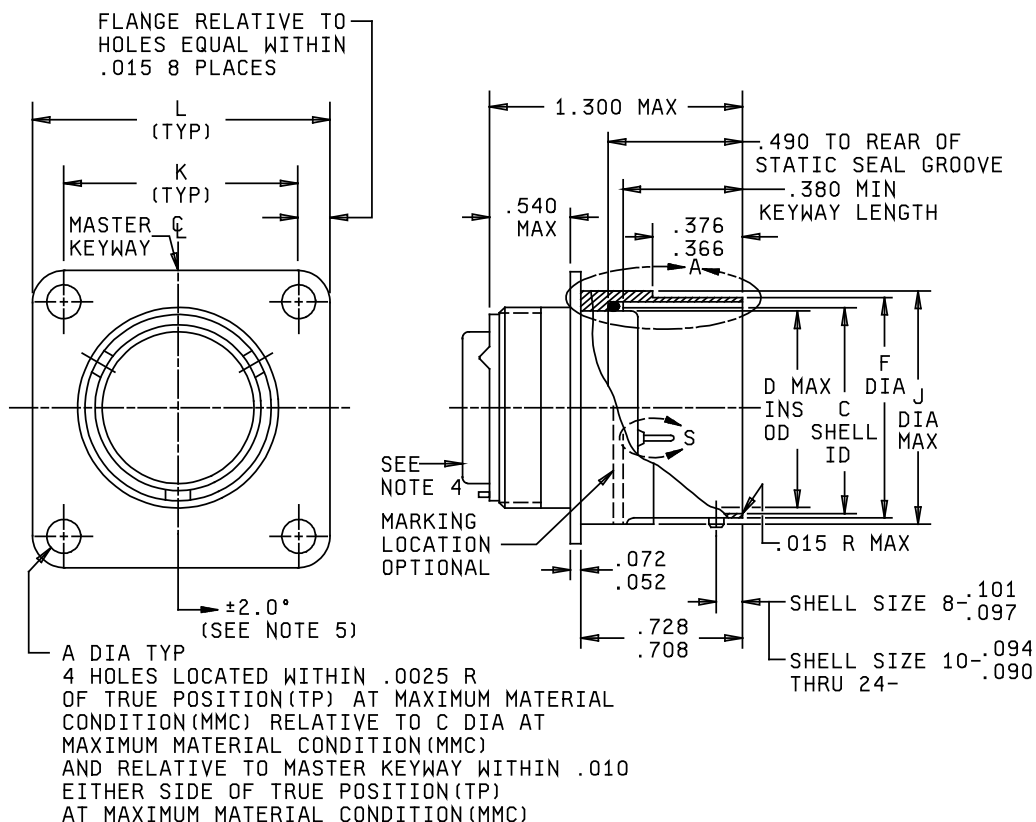


FIGURE 1. Dimensions and configurations.



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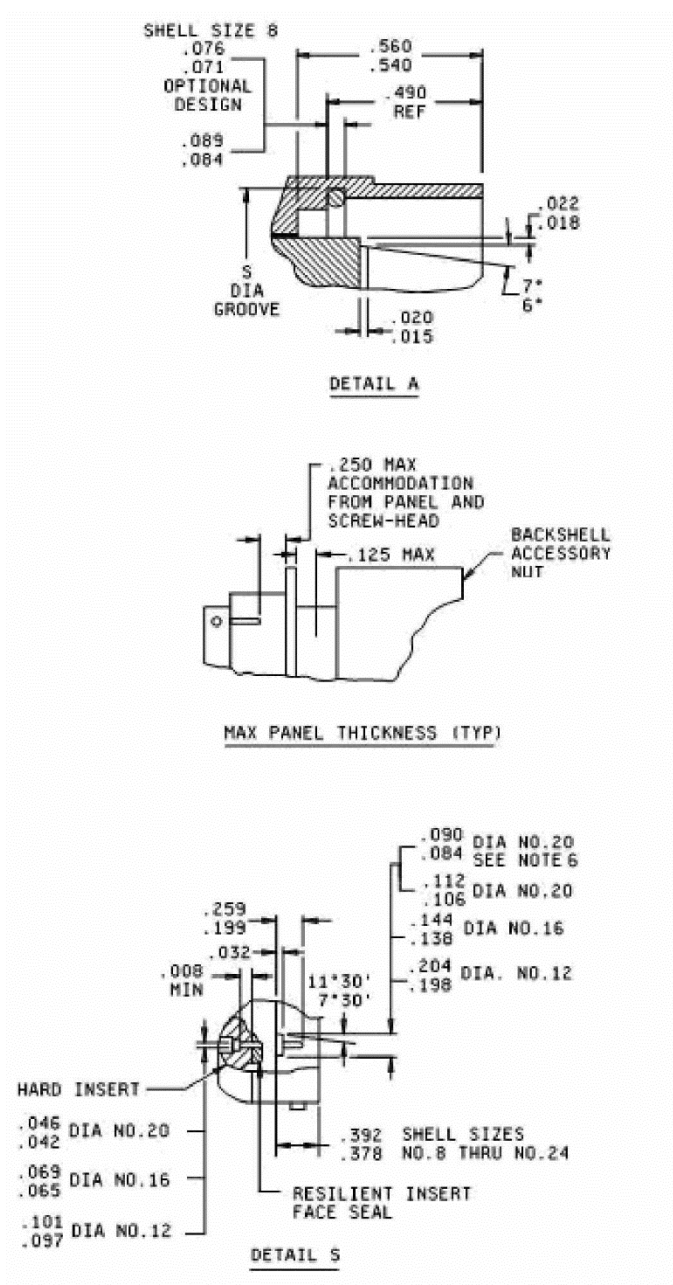


FIGURE 1. Dimensions and configurations - Continued.

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Shell size	A	C	D max	F	J max	K	L	S +.005 -.000
08	.120	.428 .433	.312	.536 .531	.561	.594	.812	.508
10	.120	.530 .535	.388	.659 .654	.696	.719	.937	.636
12	.120	.700 .705	.558	.829 .824	.875	.812	1.031	.806
14	.120	.769 .774	.627	.898 .893	.935	.906	1.125	.875
16	.120	.896 .901	.772	1.025 1.020	1.062	.969	1.250	1.002
18	.120	1.002 1.007	.860	1.131 1.126	1.187	1.062	1.343	1.108
20	.120	1.127 1.132	.985	1.256 1.251	1.312	1.156	1.437	1.233
22	.120	1.252 1.257	1.110	1.381 1.376	1.437	1.250	1.562	1.358
24	.149	1.377 1.382	1.235	1.506 1.501	1.562	1.375	1.703	1.483

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances are $\pm .005$ (0.13 mm) for three place decimals, $\pm .01$ (0.25 mm) for two place decimals and $\pm 1^\circ$ for all angles.
4. Rear accessory interchangeability dimensions shall be accordance with SAE-AS85049.
5. The centerline of indicated projection must be located on vertical centerline $\pm 2^\circ$.
6. See table I for contact cavities requiring this dimension.

FIGURE 1. Dimensions and configurations - Continued.

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REQUIREMENTS:

Dimensions and configuration: See figure 1.

For insert arrangements, see MIL-STD-1554 and table I.

TABLE I. Inserts requiring reduced diameters for raised seal barriers on contact cavities.

Shell size	Insert arrangements	Contact cavities
08	03	1, 2, and 3
10	06	1, 2, 3, 4, 5, 6

For connector accessories: See SAE-AS85049.

This connector mates with MIL-DTL-83723/75 and /77.

Part or Identifying Number (PIN) example:

M83723/ 72 W 08 55 N

<u>M83723/</u>	Military designation
<u>72</u>	Specification sheet number
<u>W</u>	Class
<u>08</u>	Shell size
<u>55</u>	Insert arrangement
<u>N</u>	Polarizing position

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.

Referenced documents. In addition to MIL-DTL-83723, this document references the following:

MIL-DTL-83723/75
MIL-DTL-83723/77
MIL-STD-1554
SAE-AS85049

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CONCLUDING MATERIAL

Custodians:

Army - CR
Navy - AS
Air Force - 85
DLA - CC

Preparing activity:

DLA - CC

(Project 5935-2024-051)

Review activities:

Army - AR, MI
Navy - EC
Air Force – 19

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>.