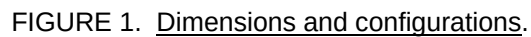


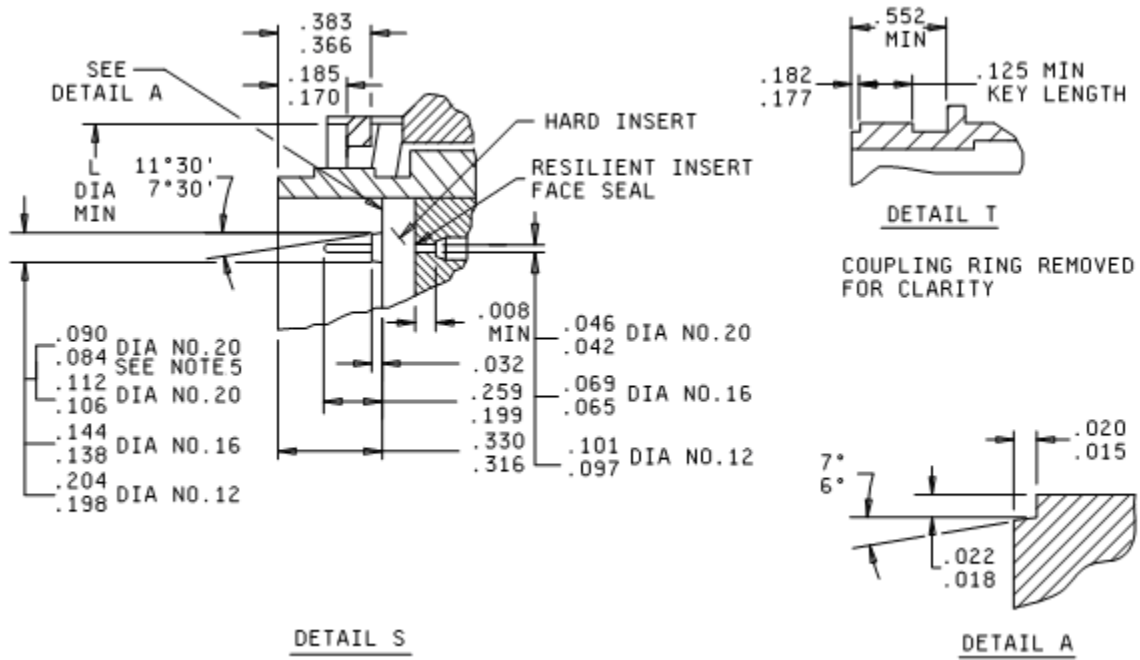
MIL-DTL-83723/76E
w/AMENDMENT 1
8 March 2024
SUPERSEDING
MIL-DTL-83723/76E
19 August 2009

CONNECTORS, ELECTRICAL, (CIRCULAR, ENVIRONMENT RESISTING),
PLUG, (BAYONET COUPLING, CRIMP PIN CONTACT),
(SERIES III, CLASSES A, G, M, R, T, W AND Z)

The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-83723.



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Shell size	A max	G min	H	J	L min	U max	V
08	.312	.352	.415 .424	.540 .545	.632	.776	.025
10	.388	.428	.517 .526	.662 .667	.760	.906	.031
12	.558	.598	.687 .696	.832 .837	.930	1.078	.031
14	.627	.667	.756 .765	.901 .906	.999	1.141	.031
16	.772	.794	.883 .892	1.028 1.033	1.126	1.266	.031
18	.860	.900	.989 .998	1.134 1.139	1.232	1.375	.031
20	.985	1.025	1.114 1.123	1.261 1.266	1.357	1.510	.031
22	1.110	1.150	1.239 1.248	1.384 1.389	1.482	1.625	.031
24	1.235	1.275	1.364 1.373	1.511 1.516	1.607	1.760	.031

FIGURE 1. Dimensions and configurations - Continued.

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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 and $\pm .01$ (0.25 mm) for two place decimals and $\pm 1^\circ$ for all angles.
4. Rear accessory interchangeability dimensions shall be in accordance with MIL-DTL-83723.
5. See table I for contact cavities requiring this dimension.

FIGURE 1. Dimensions and configurations - Continued.

REQUIREMENTS:

Dimensions and configurations: 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, 3
10	06	1, 2, 3, 4, 5, 6

For connector accessories: See SAE-AS85049.

This connector mates with MIL-DTL-83723/71 and /73.

Part or Identifying Number (PIN) example:

M83723/ 76 W 08 55 N

<u>M83723/</u>	Military designator
<u>76</u>	Specification sheet number
<u>W</u>	Class
<u>08</u>	Shell size
<u>55</u>	Insert arrangement
<u>N</u>	Polarizing position

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

MIL-DTL-83723/71
MIL-DTL-83723/73
MIL-STD-1554
SAE-AS85049

MIL-DTL-83723/76E
w/AMENDMENT 1

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.

CONCLUDING MATERIAL

Custodians:

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

Preparing activity:

DLA - CC

Review activities:

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

(Project 5935-2024-055)

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>.