

INCH-POUND

MIL-DTL-83723/75E
w/AMENDMENT 1
20 April 2011
SUPERSEDING
MIL-DTL-83723/75E
19 August 2009

DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, (CIRCULAR, ENVIRONMENT RESISTING),
PLUG, (BAYONET COUPLING, CRIMP SOCKET CONTACT),
(SERIES III, CLASSES A, G, K, 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.

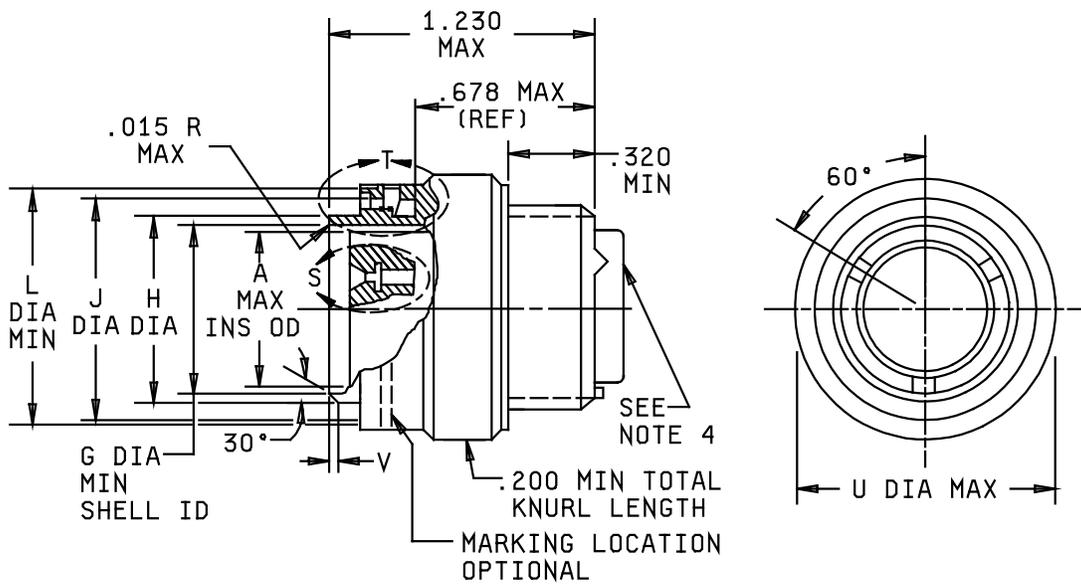
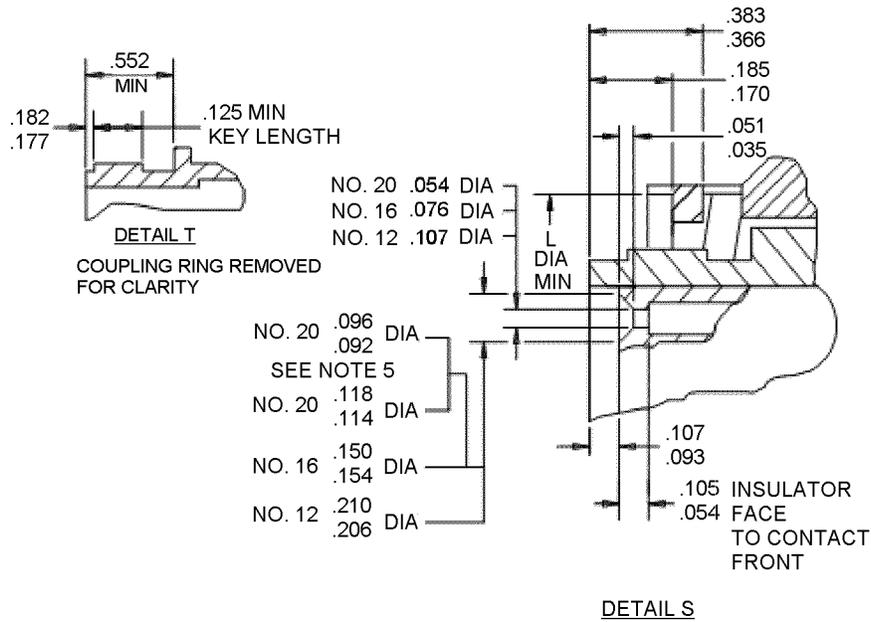


FIGURE 1. Dimensions and configurations.

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Shell size	A dia max ins	G dia min	H dia	J dia	L dia min	U dia max	V
8	.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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Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm
.015	0.38	.185	4.70	.627	15.93	.906	23.01	1.239	31.47
.025	0.64	.200	5.08	.632	16.05	.930	23.62	1.248	31.70
.031	0.79	.206	5.23	.662	16.81	.985	25.02	1.261	32.03
.035	0.89	.210	5.33	.667	16.94	.989	25.12	1.266	32.16
.051	1.30	.312	7.92	.678	17.22	.998	25.35	1.275	32.39
.054	1.37	.320	8.13	.687	17.45	1.025	26.04	1.364	34.65
.076	1.93	.352	8.94	.696	17.68	1.028	26.11	1.373	34.87
.092	2.34	.366	9.30	.756	19.20	1.033	26.24	1.375	34.93
.093	2.36	.383	9.73	.760	19.30	1.078	27.38	1.384	35.15
.096	2.44	.388	9.86	.765	19.43	1.110	28.19	1.389	35.28
.105	2.67	.415	10.54	.772	19.61	1.114	28.30	1.482	37.64
.107	2.72	.424	10.77	.776	19.71	1.123	28.52	1.510	38.35
.114	2.90	.428	10.87	.794	20.17	1.126	28.60	1.511	38.38
.118	3.00	.517	13.13	.832	21.13	1.134	28.80	1.516	38.51
.125	3.18	.526	13.36	.837	21.26	1.139	28.93	1.607	40.82
.146	3.71	.540	13.76	.860	21.84	1.141	28.98	1.625	41.28
.150	3.81	.545	13.84	.883	22.43	1.150	29.21	1.760	44.70
.170	4.32	.552	14.02	.892	22.66	1.230	31.24		
.177	4.50	.558	14.17	.900	22.86	1.232	31.29		
.182	4.62	.598	15.19	.901	22.89	1.235	31.37		

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances are $\pm .005$ inches (0.13 mm) for three place decimals, $\pm .01$ inches (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.

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REQUIREMENTS:

Dimensions and configurations: See figure 1.

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

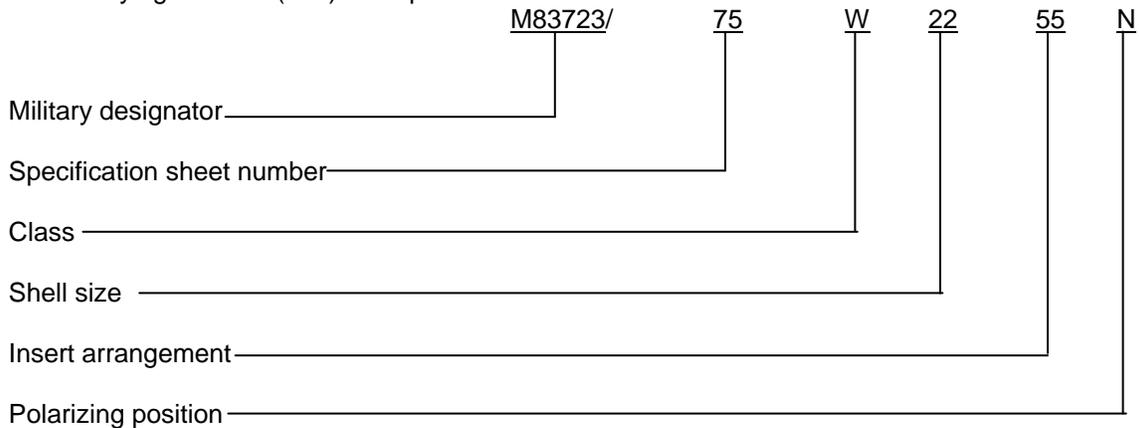
TABLE I. Inserts requiring reduced diameters for lead-in chamfers on contact cavities.

Shell size	Insert Arrangements	Contact cavities
8	03	1, 2, 3
10	06	1, 2, 3, 4, 5, 6

For connector accessories: See SAE-AS85049.

This connector mates with MIL-DTL-83723/72, /74, /80, /81, /93 and /94.

Part or Identifying Number (PIN) example:



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-83723/72
- MIL-DTL-83723/74
- MIL-DTL-83723/80
- MIL-DTL-83723/81
- MIL-DTL-83723/93
- MIL-DTL-83723/94
- 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 5935-2011-017)

Review activities:

Army - AR, MI
Navy - EC
Air Force – 19, 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.daps.dla.mil>.