

INCH-POUND

MIL-DTL-83723/76E
19 August 2009
SUPERSEDING
MIL-DTL-83723/76D
15 September 2006

DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, (CIRCULAR, ENVIRONMENT RESISTING),
PLUG, (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.

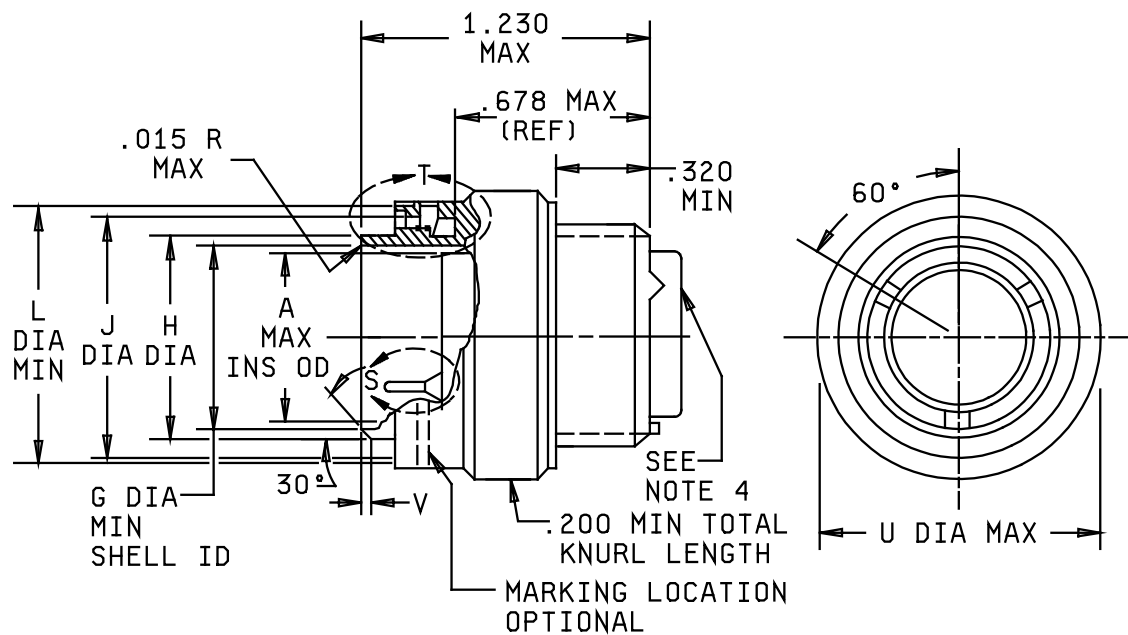
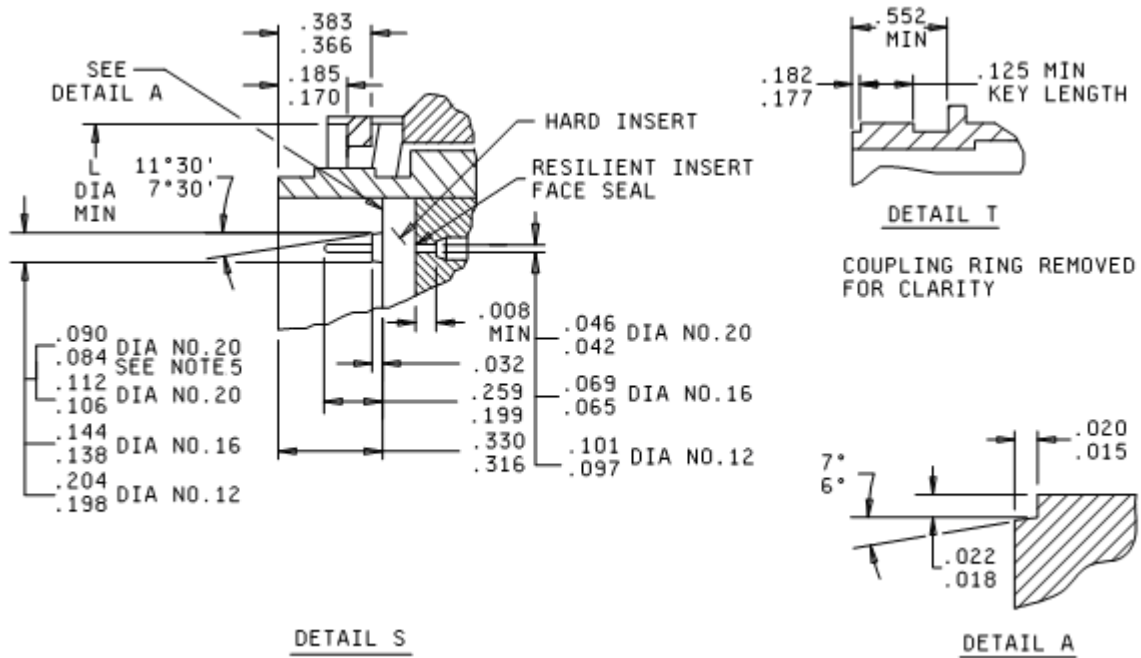


FIGURE 1. Dimensions and configurations.



Shell size	A max	G min	H	J	L min	U 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
.008	0.20	.177	4.50	.545	13.84	.900	22.86	1.235	31.37
.015	0.38	.182	4.62	.552	14.02	.901	22.89	1.239	31.47
.018	0.46	.185	4.70	.558	14.17	.906	23.01	1.248	31.70
.020	0.51	.198	5.03	.598	15.19	.930	23.62	1.261	32.03
.022	0.56	.200	5.08	.627	15.93	.985	25.02	1.266	32.16
.025	0.64	.204	5.18	.632	16.05	.989	25.12	1.275	32.39
.031	0.79	.211	5.36	.662	16.81	.998	25.35	1.357	34.47
.032	0.81	.259	6.58	.667	16.94	.999	25.37	1.364	34.65
.042	1.07	.312	7.92	.678	17.22	1.025	26.04	1.373	34.87
.046	1.17	.316	8.03	.687	17.45	1.028	19.84	1.375	34.93
.065	1.65	.320	8.13	.696	17.68	1.033	26.24	1.384	35.15
.069	1.75	.330	8.38	.756	19.20	1.110	27.38	1.389	35.28
.084	2.13	.352	8.94	.760	19.30	1.078	28.19	1.482	37.64
.090	2.29	.366	9.30	.765	19.43	1.114	28.30	1.510	38.35
.097	2.46	.383	9.73	.772	19.61	1.123	28.52	1.511	38.38
.101	2.57	.388	9.86	.776	19.71	1.126	28.60	1.516	38.51
.106	2.69	.415	10.54	.794	20.17	1.134	28.80	1.607	40.82
.112	2.84	.424	10.77	.832	21.13	1.139	28.93	1.625	41.28
.125	3.18	.428	10.87	.837	21.26	1.411	28.98	1.760	44.70
.138	3.51	.517	13.13	.860	21.84	1.150	29.21		
.144	3.66	.526	13.36	.883	22.43	1.230	31.24		
.170	4.32	.540	13.72	.892	22.66	1.232	31.29		

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.

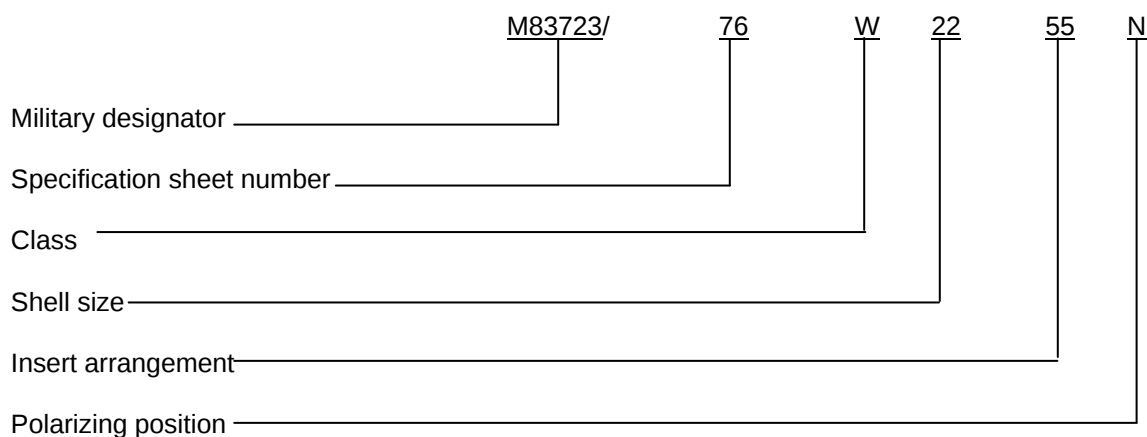
TABLE I. Inserts requiring reduced diameters for raised seal barriers on contact cavities.

Shell size	Insert arrangements	Contact cavities
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-83723/71 and /73.

Part or Identifying Number (PIN) example:



Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

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

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 5935-2008-158)

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 <http://assist.daps.dla.mil>.