

INCH-POUND

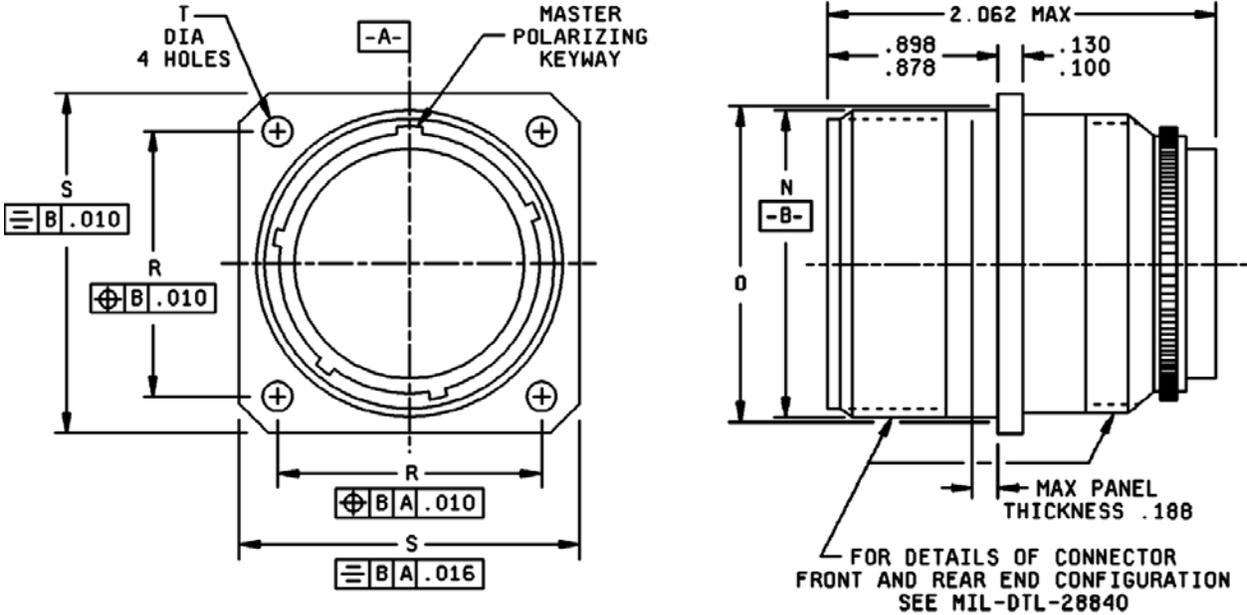
MIL-DTL-28840/10E
 14 November 2013
 SUPERSEDING
 MIL-DTL-28840/10D
 23 October 2009

DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, CIRCULAR, THREADED,
 HIGH SHOCK, HIGH DENSITY, SHIPBOARD, CRIMP CONTACTS,
 RECEPTACLE, WALL MOUNTING, CLASSES D, DS, P, T, TS, Z, AND ZS

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-28840.



Inches	mm	Inches	mm	Inches	mm	Inches	mm
.010	0.25	.100	2.54	.188	4.78	.898	22.81
.016	0.41	.130	3.30	.878	22.30	2.062	52.37

FIGURE 1. Dimensions and configuration.

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Shell size designator (see note 1)	N dia max	O reference mounting hole	R T.P. centerline to centerline	S	T
A (11)	.750 (19.05)	.812 (20.62)	.750 (19.05)	1.043 (26.49) 1.003 (25.48)	.130 (3.30) .115 (2.92)
B (13)	.875 (22.22)	.937 (23.80)	.843 (21.41)	1.158 (29.41) 1.118 (28.40)	
C (15)	1.062 (26.97)	1.124 (28.55)	.968 (24.59)	1.278 (32.46) 1.238 (31.45)	
D (17)	1.125 (28.58)	1.187 (30.15)	1.015 (25.78)	1.403 (35.64) 1.363 (34.62)	
E (19)	1.312 (33.32)	1.374 (34.90)	1.140 (28.96)	1.528 (38.81) 1.488 (37.80)	
F (23)	1.500 (38.10)	1.562 (39.67)	1.281 (32.54)	1.738 (44.15) 1.698 (43.13)	
G (25)	1.625 (41.28)	1.687 (42.85)	1.392 (35.36)	1.838 (46.69) 1.798 (45.67)	.157 (3.99) .142 (3.61)
H (29)	1.812 (46.02)	1.937 (49.20)	1.568 (39.83)	2.158 (54.81) 2.118 (53.80)	
J (33)	2.000 (50.80)	2.124 (53.95)	1.734 (44.04)	2.348 (59.64) 2.308 (58.62)	.183 (4.65) .168 (4.27)

NOTES:

1. Shell sizes are provided within parentheses for information and are not a part of the designator.
2. Dimensions are in inches.
3. Metric equivalents are given for information only.
4. Dimensions apply after plating.
5. Designator of backshell size within each shell size.

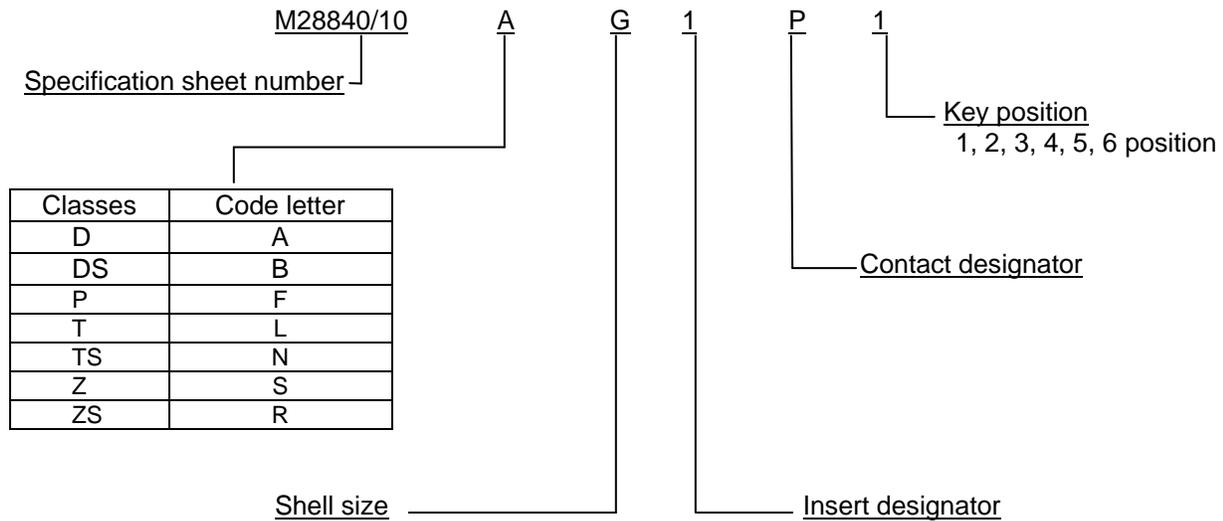
FIGURE 1. Dimensions and configuration – Continued.

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REQUIREMENTS:

- Dimensions and configuration: See figure 1.
- Insert arrangements: See the MIL-STD-1698 figure corresponding to the desired shell size.
- Shell polarization: 1 thru 6, key position.
- Marking: Mark Part or Identifying number (PIN) on the shell.
- Mating counterpart: Plug connectors specified in MIL-DTL-28840/16 through /19, /26, /28 and /29.
- Installation and removal tools: As specified in MIL-I-81969/33 and /34.
- A backshell shall be used to meet moisture and water pressure requirements.

PIN example:



RESTRICTIONS:

Classes D and DS are inactive for NAVSEA new design, unless approved by NAVSEA.

Changes from previous issue. The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. 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 and relationship to the last previous issue.

Referenced documents. In addition to MIL-DTL-28840, this document references the following:

- MIL-DTL-28840/16
- MIL-DTL-28840/17
- MIL-DTL-28840/18
- MIL-DTL-28840/19
- MIL-DTL-28840/26
- MIL-DTL-28840/28
- MIL-DTL-28840/29
- MIL-I-81969/33
- MIL-I-81969/34
- MIL-STD-1698

CONCLUDING MATERIAL

Custodians:

Army - AT
Navy - EC
Air Force - 85
DLA - CC

Preparing activity:

DLA - CC

(Project 5935-2013-108)

Review activities:

Army – AV, MI
Navy - OS, SH
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>.