

INCH-POUND

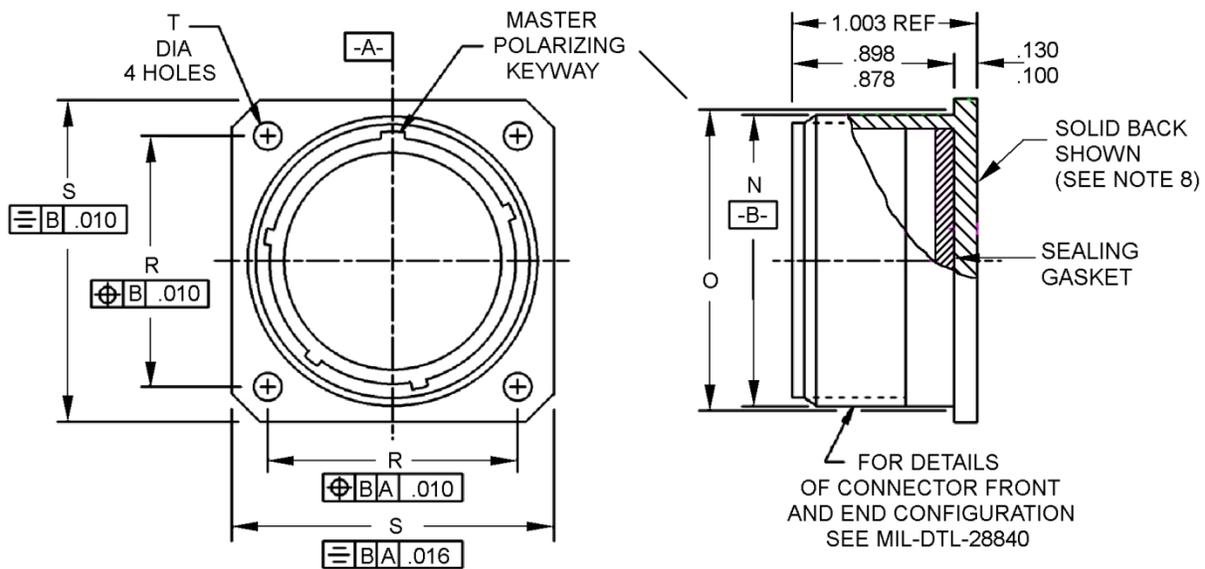
MIL-DTL-28840/7E
w/AMENDMENT 1
26 August 2015
SUPERSEDING
MIL-DTL-28840/7E
31 October 2013

DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, CIRCULAR, THREADED, HIGH SHOCK,
HIGH DENSITY, SHIPBOARD, CRIMP CONTACTS, DUMMY RECEPTACLE, WALL MOUNTING

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
.010	0.25	.878	22.30
.016	0.41	.898	22.81
.100	2.54	1.003	25.48
.130	3.30		

FIGURE 1. Dimensions and configurations.



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Shell size designator (see note 1)	N dia max	O reference mating 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)	1.874 (47.60)	1.568 (39.83)	2.158 (54.81) 2.118 (53.80)	
J (33)	2.000 (50.80)	2.062 (52.37)	1.734 (44.04)	2.348 (59.64) 2.308 (58.62)	.183 (4.65) .168 (4.27)

NOTES:

1. Shell sizes provided within parentheses are 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. Normal mating keyway position shown. For alternate keyway positions, see MIL-DTL-28840.
6. Flange is solid.
7. Dummy receptacles are used when unmated plugs must be protected.
8. Back-end design: Solid back shown, but alternative "thru-hole" is allowable.

FIGURE 1. Dimensions and configurations – Continued.

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REQUIREMENTS:

Dimensions and configuration: See figure 1.

Shell polarization: 1 through 6, key position.

Marking: Part or Identifying Number (PIN) on shell.

Mating plugs: This receptacle mates with plugs in accordance with MIL-DTL-28840/16 through /19, /26, /28, and /29.

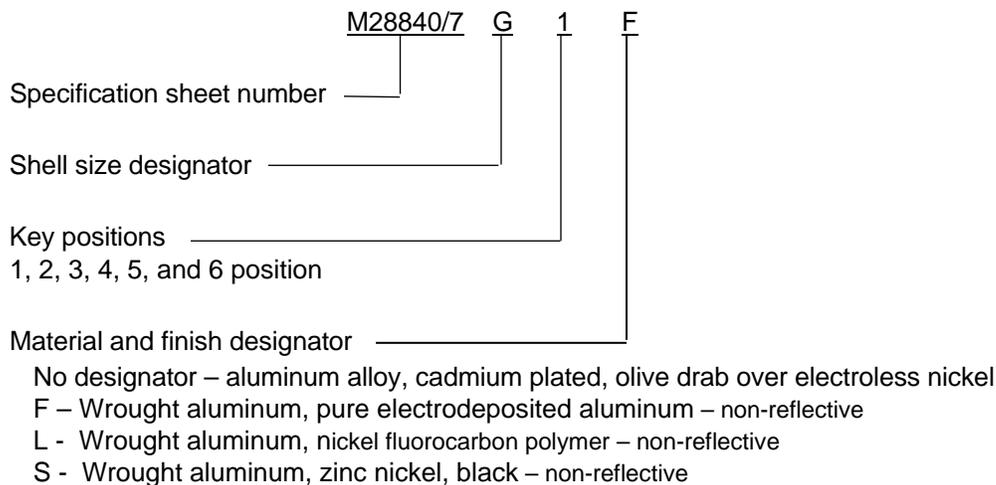
Material: Aluminum alloy.

Finish: Finish shall be in accordance with MIL-DTL-28840.

Color: Color shall be in accordance with MIL-DTL-28840. Cadmium finish shall be olive drab.

Sealing gasket: Non-corrosive silicone or fluorosilicone elastomer.

PIN example:



RESTRICTIONS:

Cadmium finish (no material or finish designator is specified in the PIN) is inactive for NAVSEA new design, unless approved by NAVSEA.

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-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

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CONCLUDING MATERIAL

Custodians:

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

Preparing activity:
DLA - CC

(Project 5935-2015-173)

Review activities:

Army – 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>.