

INCH-POUND

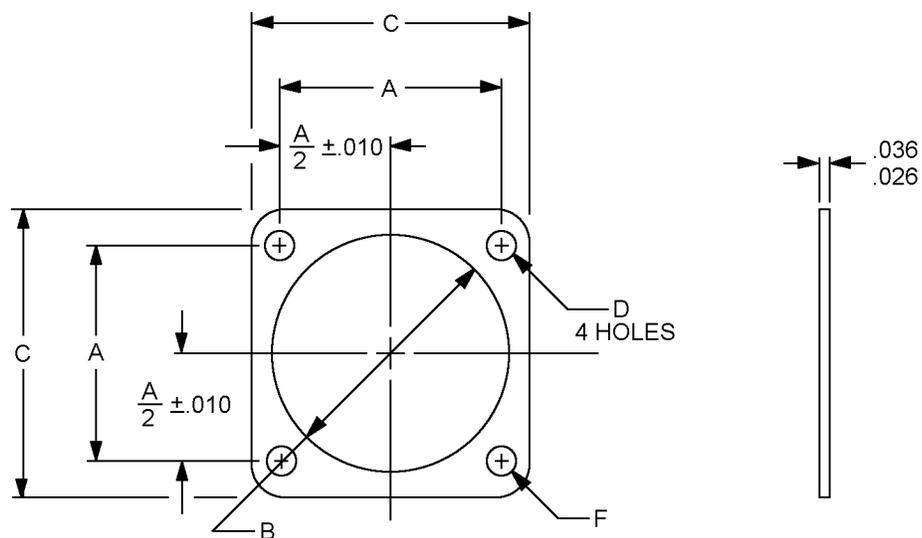
MIL-DTL-28840/24D  
31 October 2013  
SUPERSEDING  
MIL-DTL-28840/24C  
20 April 2004

### DETAIL SPECIFICATION SHEET

#### CONNECTORS, ELECTRICAL, CIRCULAR, GASKET, FLANGE MOUNTING, FLUOROSILICONE AND EMI SHIELDING (FOR MIL-DTL-28840)

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
.010	0.25
.026	0.66
.036	0.91

FIGURE 1. Dimensions and configurations.

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Shell size designator (see note 1)	A	B dia	C	D dia	F radius
A (11)	.760 (19.30)	.766 (19.46)	1.039 (26.39)	.130 (3.30)	.151 (3.84)
	.740 (18.80)	.750 (19.05)	1.023 (25.98)	.110 (2.79)	.131 (3.33)
B (13)	.853 (21.67)	.891 (22.63)	1.154 (29.31)	.130 (3.30)	.151 (3.84)
	.833 (21.16)	.875 (22.22)	1.138 (28.90)	.110 (2.79)	.131 (3.33)
C (15)	.978 (24.84)	1.078 (27.38)	1.274 (32.36)	.130 (3.30)	.151 (3.84)
	.958 (24.33)	1.062 (26.97)	1.258 (31.95)	.110 (2.79)	.131 (3.33)
D (17)	1.025 (26.04)	1.141 (28.98)	1.399 (35.53)	.130 (3.30)	.166 (4.22)
	1.005 (25.53)	1.125 (28.58)	1.383 (35.13)	.110 (2.79)	.146 (3.71)
E (19)	1.150 (29.21)	1.338 (33.98)	1.524 (38.71)	.130 (3.30)	.182 (4.62)
	1.130 (28.70)	1.312 (33.32)	1.508 (38.30)	.110 (2.79)	.162 (4.11)
F (23)	1.291(32.79)	1.516 (38.51)	1.734 (44.04)	.130 (3.30)	.198 (5.03)
	1.271 (32.28)	1.500 (38.10)	1.718 (43.64)	.110 (2.79)	.178 (4.52)
G (25)	1.402 (35.61)	1.641 (41.68)	1.834 (46.58)	.157 (3.99)	.198 (5.03)
	1.382 (35.10)	1.625 (41.28)	1.818 (46.18)	.137 (3.48)	.178 (4.52)
H (29)	1.578 (40.08)	1.891 (48.03)	2.154 (54.71)	.157 (3.99)	.229 (5.82)
	1.558 (39.57)	1.875 (47.62)	2.138 (54.30)	.137 (3.48)	.209 (5.31)
J (33)	1.744 (44.30)	2.078 (52.78)	2.344 (59.54)	.183 (4.65)	.229 (5.82)
	1.724 (43.79)	2.062 (52.37)	2.328 (59.13)	.163 (4.14)	.209 (5.31)

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.

FIGURE 1. Dimensions and configurations - Continued.

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REQUIREMENTS:

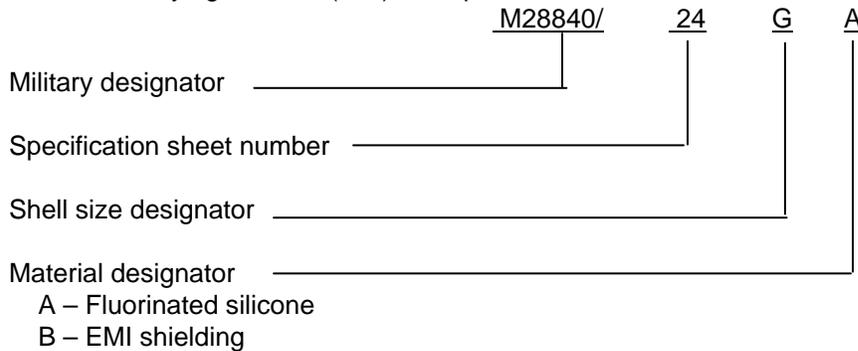
Dimensions and configuration: See figure 1.

Material types:

Type A, fluorinated silicone: Material shall be in accordance with SAE-AMS-R-25988 (50 shore).  
Color: Blue.

Type B, EMI shielding gasket: Material shall be rubber in accordance with A-A-59588, class 2, grade 30, embedded with Monel™ wires in accordance with QQ-N-281.

Part or Identifying Number (PIN) example:



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:

- A-A-59588
- QQ-N-281
- SAE-AMS-R-25988

CONCLUDING MATERIAL

Custodians:

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

Preparing activity:

DLA - CC

(Project 5935-2013-122)

Review activities:

- Army – AV, MI
- Navy - SH
- Air Force – 99
- NASA – NA

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 data at <https://assist.dla.mil>.