

INCH-POUND

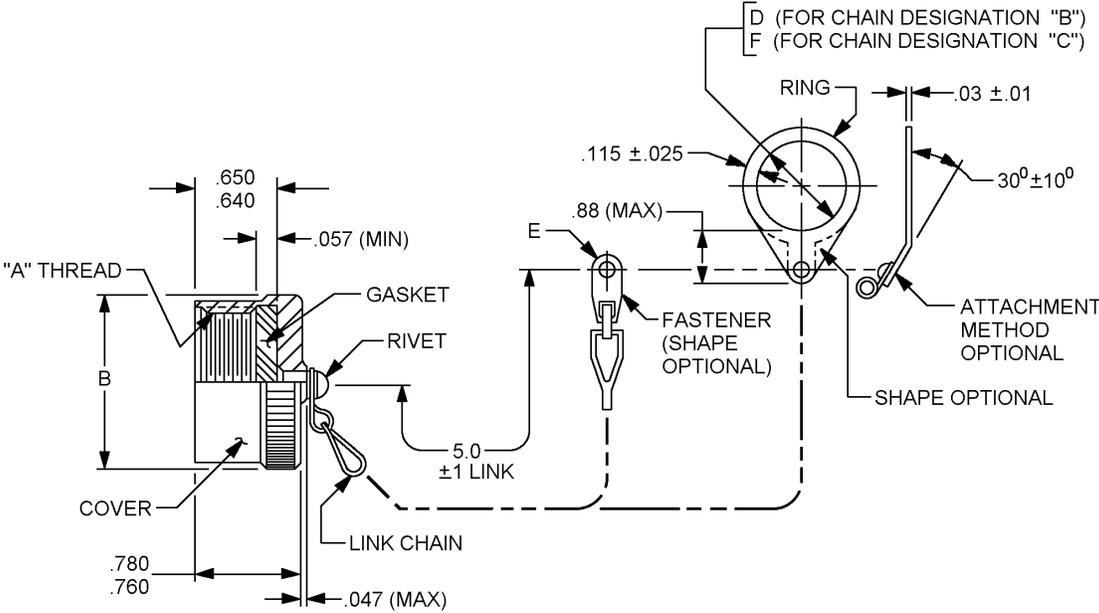
MIL-DTL-28840/13D
 20 April 2004
 SUPERSEDING
 MIL-C-28840/13C(EC)
 12 July 1983

DETAIL SPECIFICATION SHEET

CONNECTOR ACCESSORIES, ELECTRICAL, CIRCULAR, THREADED,
 HIGH SHOCK, HIGH DENSITY, SHIPBOARD, COVER, RECEPTACLE

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.



.115	2.92
.640	16.26
.650	16.51
.760	19.30
.780	19.81
.88	22.35
5.00	127.00

FIGURE 1. Dimensions and configurations.

MIL-DTL-28840/13D

Designator (see note 1)	A thread class 2B	B max dia	D ± .010 (± .25)	E ± .005 (± .13)	F ± .005 (± .13)
A (11)	.750-1P-.2L-DS	1.028 (26.21)	.890 (22.61)	.130 (3.30)	.765 (19.43)
B (13)	.875-1P-.2L-DS	1.141 (28.98)	1.015 (25.78)		.890 (22.61)
C (15)	1.062-1P-.2L-DS	1.263 (32.08)	1.203 (30.56)		1.015 (25.78)
D (17)	1.125-1P-.2L-DS	1.387 (35.23)	1.265 (32.13)		1.140 (28.96)
E (19)	1.312-1P-.2L-DS	1.513 (38.43)	1.453 (36.91)		1.265 (32.13)
F (23)	1.500-1P-.2L-DS	1.703 (43.51)	1.640 (41.66)		1.453 (36.91)
G (25)	1.625-1P-.2L-DS	1.825 (46.35)	1.765 (44.83)	.156 (3.96)	1.577 (40.06)
H (29)	1.812-1P-.2L-DS	2.143 (54.43)	1.953 (49.61)		1.890 (48.01)
J (33)	2.000-1P-.2L-DS	2.329 (59.16)	2.140 (54.36)	.193 (4.90)	2.077 (52.76)

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 general information only.
4. Dimensions apply after plating.

FIGURE 1. Dimensions and configurations - Continued.

REQUIREMENTS

Design and construction:

Dimensions and configurations: See figure 1.

Interface dimensions shall conform to MIL-DTL-28840.

Chain shall be free to rotate on rivet.

Gasket shall be mechanically or chemically captive to the cover.

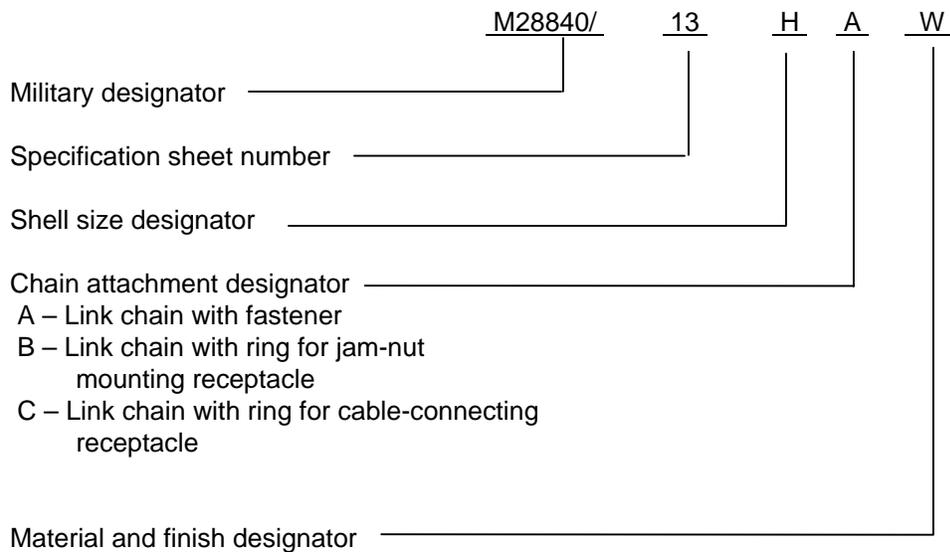
Materials and finishes: See table I.

TABLE I. Materials and finishes.

Designator	Material	Finish
W (cover)	Aluminum alloy in accordance with SAE-AMS-QQ-A-225, ASTM B85, ASTM B108 or ASTM B26/B26M	Cadmium plate, olive drab over electroless nickel
D (cover)	Corrosion resistant steel in accordance with SAE-AMS-QQ-S-763, class 316	Cadmium plate, black
Gasket	Flourosilicone	NA
Chain and other hardware	300 series corrosion resistant steel	Passivated in accordance with SAE-AMS-QQ-P-35

Marking: The cover shall be identified with the manufacturer's name or trademark and the Part or Identifying Number (PIN).

PIN example:



MIL-DTL-28840/13D

Qualification: One protective cover of each shell size for which qualification is desired shall have the following tests performed in the sequence shown:

Visual and mechanical

Magnetic permeability

Shell conductivity

Corrosion

Air leakage: Cover shall be mated to suitable connector plug and tested in accordance with procedure number 02 of EIA-364. The following details shall apply: The air leakage rate shall not be greater than one atmospheric cubic inch per hour (4.55×10^{-3} cubic centimeter per second).

Tensile strength: Cover shall be mounted to a suitable fixture to facilitate a 25-pound pull applied at the rate of 5 pounds per second and held for a period of 5 seconds. The load shall be applied to the chain end fastener through the center line axis of the protective cover, then repeated through a perpendicular axis (90°) from the center line axis. Chain or fastener breakage, or loosening of the rivet shall be considered failures.

Shell conductivity

Post visual and mechanical

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.

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

ASTM B26/B26M	SAE-AMS-QQ-S-763
ASTM B85	SAE-AMS-QQ-A-225
ASTM B108	SAE-AMS-QQ-P-35
EIA-364	

CONCLUDING MATERIAL

Custodians:
Navy - EC
DLA - CC

Preparing activity:
DLA - CC

(Project 5935-4416-008)

Review activities:
Navy - OS, SH

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 <http://www.dodssp.daps.mil>.