

# MIL-DTL-28840/6 Style A Straight EMI/RFI Environmental Backshell



MIL-DTL-28840

## CONNECTOR DESIGNATOR:

**G** MIL-DTL-28840

## Material and Finish

**D** = Corrosion Resistant Steel, Cadmium Plate, Black  
**W** = Aluminum, Cadmium Olive Drab

**M28840/6**

**16**

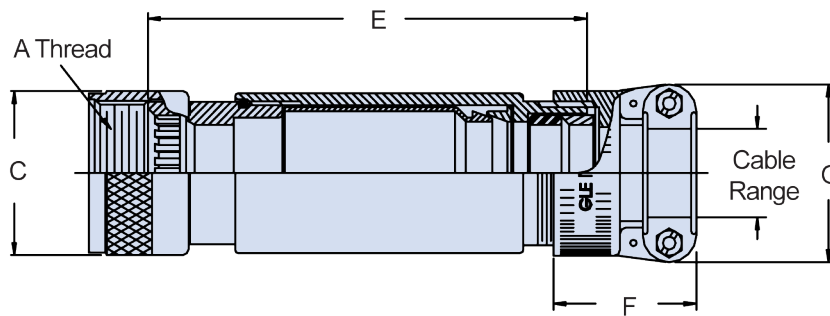
**W**

**A**

Basic  
Part  
Number

Dash No.  
(Table II)

Style  
**A** = EMI/Environmental



**TABLE I: Shell Size and Dimensions**

| Shell Size | A Thread<br>Class 2B | C Dia<br>Max |
|------------|----------------------|--------------|
| 11         | .750 - 20 UNEF       | 1.028 (26.1) |
| 13         | .875 - 20 UNEF       | 1.141 (29.0) |
| 15         | 1.000 - 20 UNEF      | 1.263 (32.1) |
| 17         | 1.125 - 18 UNEF      | 1.387 (35.2) |
| 19         | 1.250 - 18 UNEF      | 1.513 (38.4) |
| 23         | 1.438 - 18 UNEF      | 1.703 (43.3) |
| 25         | 1.562 - 18 UNEF      | 1.825 (46.4) |
| 29         | 1.875 - 16 UN        | 2.143 (54.4) |
| 33         | 2.062 - 16 UNS       | 2.329 (59.2) |

## APPLICATION NOTES

- For complete dimensions see the applicable Military Specification.
- Metric dimensions (mm) are in parentheses.
- Cable Range is defined as the accommodation range for the wire bundle or cable. Dimensions shown are not intended for inspection criteria.

**TABLE II: Dash Number, Shell Size, Dimensions and Cable Range**

| Dash No. | Shell Size | E<br>± .120 (3.0) | F Ref<br>Dim | G Ref<br>Dim | Cable Range  |              |
|----------|------------|-------------------|--------------|--------------|--------------|--------------|
|          |            |                   |              |              | Min          | Max          |
| 01       | 11         | 3.62 (91.9)       | 1.281 (32.5) | .938 (23.8)  | .188 (4.8)   | .312 (7.9)   |
| 02       | 13         | 3.62 (91.9)       | 1.281 (32.5) | .938 (23.8)  | .188 (4.8)   | .312 (7.9)   |
| 03       | 13         | 3.62 (91.9)       | 1.281 (32.5) | 1.125 (28.6) | .281 (7.1)   | .438 (11.1)  |
| 04       | 15         | 3.62 (91.9)       | 1.281 (32.5) | .938 (23.8)  | .188 (4.8)   | .312 (7.9)   |
| 05       | 15         | 3.62 (91.9)       | 1.281 (32.5) | 1.125 (28.6) | .281 (7.1)   | .438 (11.1)  |
| 06       | 15         | 3.62 (91.9)       | 1.281 (32.5) | 1.312 (33.3) | .344 (8.7)   | .562 (14.3)  |
| 07       | 15         | 4.12 (104.6)      | 1.312 (33.3) | 1.593 (40.5) | .438 (11.1)  | .750 (19.1)  |
| 08       | 17         | 4.12 (104.6)      | 1.281 (32.5) | 1.312 (33.3) | .375 (9.5)   | .625 (15.9)  |
| 09       | 17         | 4.12 (104.6)      | 1.312 (33.3) | 1.593 (40.5) | .438 (11.1)  | .750 (19.1)  |
| 10       | 17         | 4.12 (104.6)      | 1.406 (35.7) | 1.750 (44.5) | .625 (15.9)  | .938 (23.8)  |
| 11       | 19         | 4.12 (104.6)      | 1.281 (32.5) | 1.312 (33.3) | .375 (9.5)   | .625 (15.9)  |
| 12       | 19         | 4.12 (104.6)      | 1.406 (35.7) | 1.750 (44.5) | .625 (15.9)  | .938 (23.8)  |
| 13       | 23         | 4.62 (117.3)      | 1.312 (33.3) | 1.593 (40.5) | .438 (11.1)  | .750 (19.1)  |
| 14       | 23         | 4.62 (117.3)      | 1.406 (35.7) | 1.750 (44.5) | .625 (15.9)  | .938 (23.8)  |
| 15       | 23         | 4.62 (117.3)      | 1.593 (40.5) | 2.093 (53.2) | .812 (20.6)  | 1.188 (30.2) |
| 16       | 25         | 4.62 (117.3)      | 1.406 (35.7) | 1.750 (44.5) | .625 (15.9)  | .938 (23.8)  |
| 17       | 25         | 5.12 (130.0)      | 1.593 (40.5) | 2.093 (53.2) | .812 (20.6)  | 1.188 (30.2) |
| 18       | 25         | 5.12 (130.0)      | 1.593 (40.5) | 2.093 (53.2) | .875 (22.2)  | 1.250 (31.8) |
| 19       | 25         | 5.12 (130.0)      | 1.625 (41.3) | 2.343 (59.5) | 1.000 (25.4) | 1.380 (35.1) |
| 20       | 29         | 5.12 (130.0)      | 1.593 (40.5) | 2.093 (53.2) | .812 (20.6)  | 1.188 (30.2) |
| 21       | 29         | 5.12 (130.0)      | 1.625 (41.3) | 2.343 (59.5) | 1.000 (25.4) | 1.380 (35.1) |
| 22       | 33         | 5.12 (130.0)      | 1.625 (41.3) | 2.343 (59.5) | 1.000 (25.4) | 1.380 (35.1) |
| 23       | 33         | 5.12 (130.0)      | 1.900 (48.3) | 2.750 (69.9) | 1.250 (31.8) | 1.625 (41.3) |
| 24       | 11         | 3.62 (91.9)       | 1.281 (32.5) | 1.125 (28.6) | .281 (7.1)   | .438 (11.1)  |
| 25       | 11         | 3.62 (91.9)       | 1.281 (32.5) | 1.312 (33.3) | .344 (8.7)   | .562 (14.3)  |
| 26       | 13         | 3.62 (91.9)       | 1.281 (32.5) | 1.312 (33.3) | .344 (8.7)   | .562 (14.3)  |
| 27       | 13         | 4.12 (104.6)      | 1.281 (32.5) | 1.312 (33.3) | .375 (9.5)   | .625 (15.9)  |
| 28       | 15         | 4.12 (104.6)      | 1.281 (32.5) | 1.312 (33.3) | .375 (9.5)   | .625 (15.9)  |

Dimensions in inches (millimeters) and are subject to change without notice.

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