

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

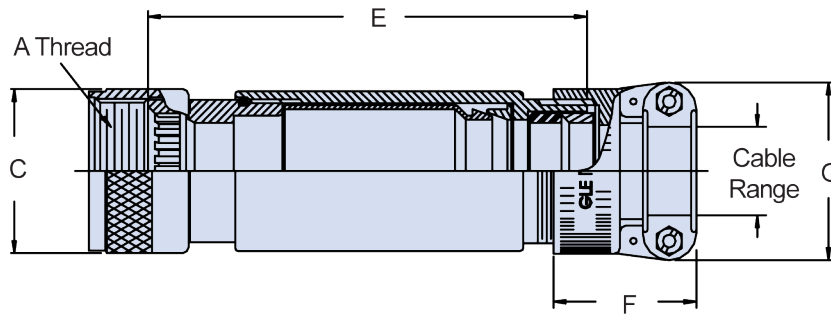
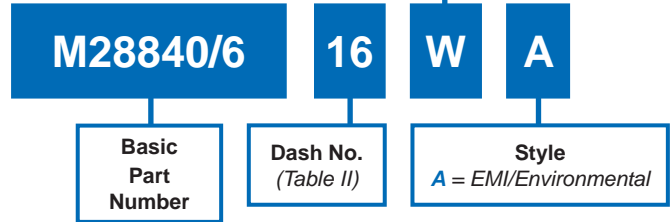


TABLE I: Shell Size and Dimensions

| Shell Size | A Thread Class 2B | C Dia 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 ± .120 (3.0) | F Ref Dim | G Ref 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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