

# M28840/8 A EMI/RFI Environmental Backshell



EMI/RFI  
Environmental  
Backshells

Glenair Connector  
Designator G

MIL-C-28840

**M28840/8 16 W A**

Basic Part No. \_\_\_\_\_

Dash No. (Table II) \_\_\_\_\_

Style Designator - A = EMI/Environmental

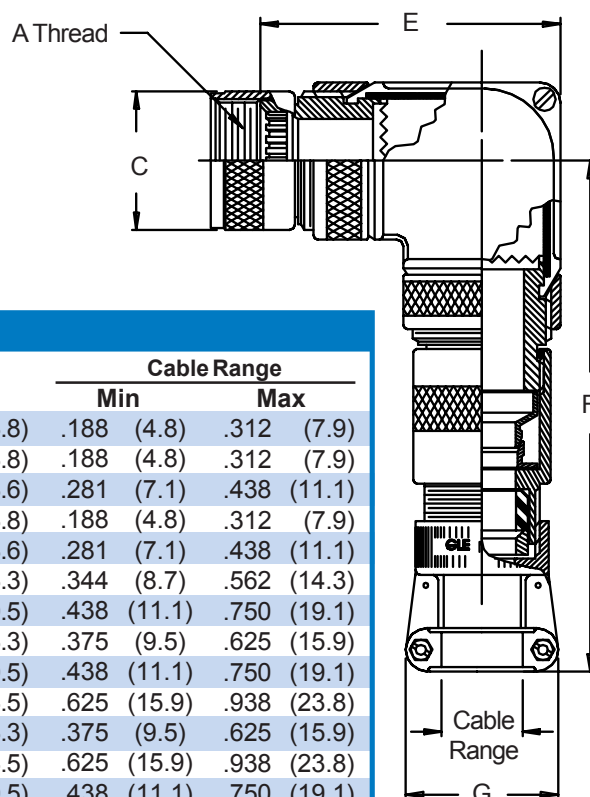
Material and Finish Designator  
D = Corrosion Resistant Steel,  
Cadmium Plate, Black  
W = Aluminum, Cadmium Olive  
Drab over Electroless Nickel

**TABLE I**

| 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) |

**TABLE II**

| Dash No. | Shell Size Ref. | E Max Envelope | F Max         | G Ref. Dim   | Cable Range  |              |
|----------|-----------------|----------------|---------------|--------------|--------------|--------------|
|          |                 |                |               |              | Min          | Max          |
| 01       | 11              | 2.614 (66.4)   | 5.332 (135.4) | .938 (23.8)  | .188 (4.8)   | .312 (7.9)   |
| 02       | 13              | 2.614 (66.4)   | 5.332 (135.4) | .938 (23.8)  | .188 (4.8)   | .312 (7.9)   |
| 03       | 13              | 2.614 (66.4)   | 5.332 (135.4) | 1.125 (28.6) | .281 (7.1)   | .438 (11.1)  |
| 04       | 15              | 2.864 (72.7)   | 5.457 (138.6) | .938 (23.8)  | .188 (4.8)   | .312 (7.9)   |
| 05       | 15              | 2.864 (72.7)   | 5.457 (138.6) | 1.125 (28.6) | .281 (7.1)   | .438 (11.1)  |
| 06       | 15              | 2.864 (72.7)   | 5.457 (138.6) | 1.312 (33.3) | .344 (8.7)   | .562 (14.3)  |
| 07       | 15              | 3.114 (79.1)   | 5.682 (144.3) | 1.593 (40.5) | .438 (11.1)  | .750 (19.1)  |
| 08       | 17              | 3.114 (79.1)   | 5.682 (144.3) | 1.312 (33.3) | .375 (9.5)   | .625 (15.9)  |
| 09       | 17              | 3.114 (79.1)   | 5.713 (145.1) | 1.593 (40.5) | .438 (11.1)  | .750 (19.1)  |
| 10       | 17              | 3.114 (79.1)   | 5.807 (147.5) | 1.750 (44.5) | .625 (15.9)  | .938 (23.8)  |
| 11       | 19              | 3.114 (79.1)   | 5.682 (144.3) | 1.312 (33.3) | .375 (9.5)   | .625 (15.9)  |
| 12       | 19              | 3.364 (85.4)   | 5.832 (148.1) | 1.750 (44.5) | .625 (15.9)  | .938 (23.8)  |
| 13       | 23              | 3.364 (85.4)   | 5.738 (145.7) | 1.593 (40.5) | .438 (11.1)  | .750 (19.1)  |
| 14       | 23              | 3.364 (85.4)   | 5.832 (148.1) | 1.750 (44.5) | .625 (15.9)  | .938 (23.8)  |
| 15       | 23              | 3.364 (85.4)   | 6.019 (152.9) | 2.093 (53.2) | .812 (20.6)  | 1.188 (30.2) |
| 16       | 25              | 3.364 (85.4)   | 5.832 (148.1) | 1.750 (44.5) | .625 (15.9)  | .938 (23.8)  |
| 17       | 25              | 3.364 (85.4)   | 6.019 (152.9) | 2.093 (53.2) | .812 (20.6)  | 1.188 (30.2) |
| 18       | 25              | 3.614 (91.8)   | 6.144 (156.1) | 2.093 (53.2) | .875 (22.2)  | 1.250 (31.8) |
| 19       | 25              | 3.614 (91.8)   | 6.176 (156.9) | 2.343 (59.5) | 1.000 (25.4) | 1.380 (35.1) |
| 20       | 29              | 3.614 (91.8)   | 6.144 (156.1) | 2.093 (53.2) | .812 (20.6)  | 1.188 (30.2) |
| 21       | 29              | 3.614 (91.8)   | 6.176 (156.9) | 2.343 (59.5) | 1.000 (25.4) | 1.380 (35.1) |
| 22       | 33              | 4.114 (104.5)  | 6.426 (163.2) | 2.343 (59.5) | 1.000 (25.4) | 1.380 (35.1) |
| 23       | 33              | 4.114 (104.5)  | 6.701 (170.2) | 2.750 (69.9) | 1.250 (31.8) | 1.625 (41.3) |
| 24       | 11              | 2.614 (66.4)   | 5.332 (135.4) | 1.125 (28.6) | .281 (7.1)   | .438 (11.1)  |
| 25       | 11              | 2.864 (72.7)   | 5.457 (138.6) | 1.312 (33.3) | .344 (8.7)   | .562 (14.3)  |
| 26       | 13              | 2.864 (72.7)   | 5.457 (138.6) | 1.312 (33.3) | .344 (8.7)   | .562 (14.3)  |
| 27       | 13              | 3.114 (79.1)   | 5.682 (144.3) | 1.312 (33.3) | .375 (9.5)   | .625 (15.9)  |
| 28       | 15              | 3.114 (79.1)   | 5.682 (144.3) | 1.312 (33.3) | .375 (9.5)   | .625 (15.9)  |



1. For complete dimensions see applicable Military Specification.
2. Cable range is defined as the accommodations range for the wire bundle or cable. Dimensions shown are not intended for inspection criteria.