

## 380-002

### EMI/RFI Non-Environmental Backshell

#### with Strain Relief

#### Type A - Direct Coupling - Low Profile

### CONNECTOR DESIGNATORS

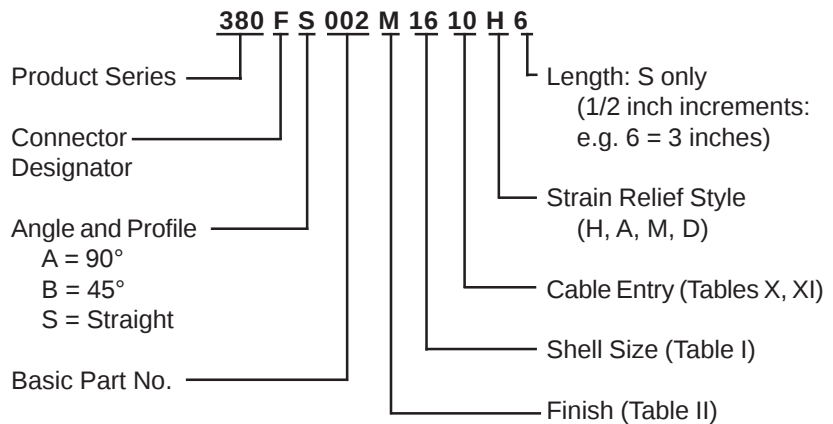
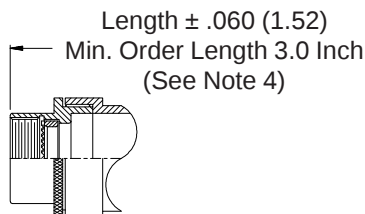
## A-B\*-C-D-E-F

## G-H-J-K-L-S

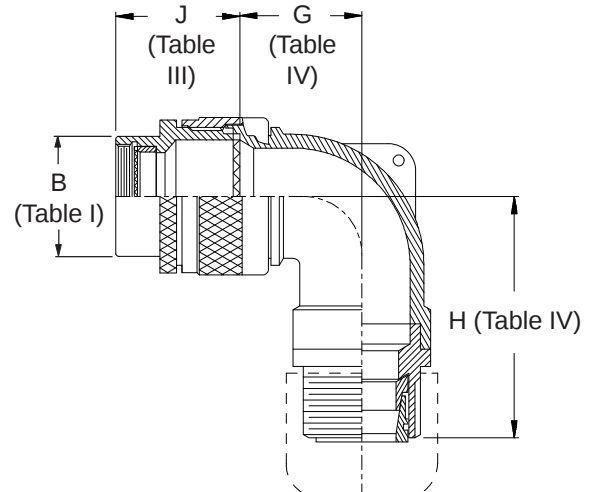
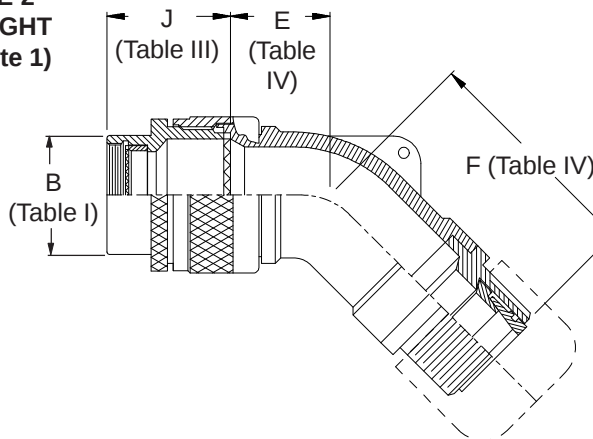
\* Conn. Design. B See Note 5

### DIRECT COUPLING

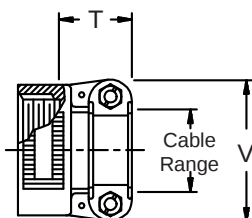
### TYPE A OVERALL SHIELD TERMINATION



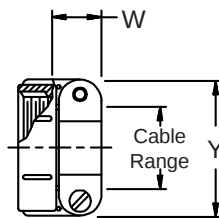
### STYLE 2 (STRAIGHT See Note 1)



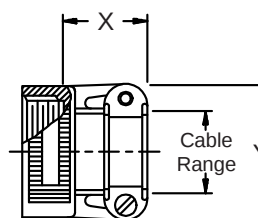
### STYLE H Heavy Duty (Table X)



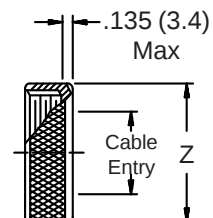
### STYLE A Medium Duty (Table XI)



### STYLE M Medium Duty (Table XI)



### STYLE D Medium Duty (Table XI)



**380-002**  
**EMI/RFI Non-Environmental Backshell**  
with Strain Relief  
**Type A - Direct Coupling - Low Profile**



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**TABLE III: FRONT ADAPTER**

| Shell<br>Size | J Max - Conn. Designator |              |              |
|---------------|--------------------------|--------------|--------------|
|               | A-E-F<br>J-H-L-S         | D-B-G-K      | C            |
| 08/09         | 1.180 (30.0)             | 1.440 (36.6) |              |
| 10/11         | 1.180 (30.0)             | 1.440 (36.6) |              |
| 12/13         | 1.180 (30.0)             | 1.440 (36.6) | 1.735 (44.1) |
| 14/15         | 1.180 (30.0)             | 1.440 (36.6) | 1.915 (48.6) |
| 16/17         | 1.380 (35.0)             | 1.560 (39.6) | 1.915 (48.6) |
| 18/19         | 1.380 (35.0)             | 1.560 (39.6) | 1.915 (48.6) |
| 20/21         | 1.380 (35.0)             | 1.560 (39.6) | 1.915 (48.6) |
| 22/23         | 1.380 (35.0)             | 1.560 (39.6) | 1.915 (48.6) |
| 24/25         | 1.380 (35.0)             | 1.560 (39.6) | 1.915 (48.6) |
| 28/29         | 1.610 (40.9)             | 1.560 (39.6) | 1.915 (48.6) |
| 32/33         | 1.610 (40.9)             | 1.750 (44.5) | 1.915 (48.6) |
| 36            | 1.610 (40.9)             | 1.750 (44.5) | 1.915 (48.6) |
| 40            | 1.610 (40.9)             | 2.190 (55.6) | 1.915 (48.6) |

See inside back cover fold-out or pages 13 and 14 for unabridged Tables I and II.

**TABLE IV: ELBOW DIMENSIONS**

| Elbow<br>Size | E<br>Max     | F<br>Max     | G<br>Max     | H<br>Max     |
|---------------|--------------|--------------|--------------|--------------|
| 04            | .567 (14.4)  | 1.187 (30.1) | .636 (16.2)  | 1.200 (30.5) |
| 06            | .630 (16.0)  | 1.250 (31.8) | .710 (18.0)  | 1.320 (33.5) |
| 08            | .692 (17.6)  | 1.312 (33.3) | .731 (18.6)  | 1.340 (34.0) |
| 10            | .755 (19.2)  | 1.655 (42.0) | .825 (21.0)  | 1.660 (42.2) |
| 12            | .848 (21.5)  | 1.765 (44.8) | .988 (25.1)  | 1.750 (44.5) |
| 16            | 1.036 (26.3) | 1.952 (49.6) | 1.087 (27.6) | 1.925 (48.9) |
| 20            | 1.130 (28.7) | 2.098 (53.3) | 1.325 (33.7) | 2.033 (51.6) |
| 24            | 1.255 (31.9) | 2.155 (54.7) | 1.337 (34.0) | 2.200 (55.9) |
| 28            | 1.317 (33.5) | 2.250 (57.2) | 1.827 (46.4) | 2.450 (62.2) |
| 32            | 1.348 (34.2) | 2.343 (59.5) | 2.027 (51.5) | 2.450 (62.2) |

**TABLE X: CABLE ENTRY**

| Dash<br>No. | T<br>Max     | V<br>Max     | Cable Range  |              |
|-------------|--------------|--------------|--------------|--------------|
|             |              |              | Min          | Max          |
| 04          | .780 (19.8)  | .957 (24.3)  | .125 (3.2)   | .312 (7.9)   |
| 06          | .780 (19.8)  | 1.145 (29.1) | .250 (6.4)   | .437 (11.1)  |
| 08          | .780 (19.8)  | 1.332 (33.8) | .312 (7.9)   | .562 (14.3)  |
| 10          | .780 (19.8)  | 1.332 (33.8) | .350 (8.9)   | .625 (15.9)  |
| 12          | .811 (20.6)  | 1.551 (39.4) | .500 (12.7)  | .750 (19.1)  |
| 16          | .905 (23.0)  | 1.770 (45.0) | .625 (15.9)  | .937 (23.8)  |
| 20          | 1.092 (27.7) | 2.113 (53.7) | .875 (22.2)  | 1.250 (31.8) |
| 24          | 1.124 (28.5) | 2.363 (60.0) | 1.000 (25.4) | 1.375 (34.9) |
| 28          | 1.399 (35.5) | 2.770 (70.4) | 1.250 (31.8) | 1.625 (41.3) |
| 32          | 1.399 (35.5) | 3.020 (76.7) | 1.437 (36.5) | 1.875 (47.6) |

**TABLE II: STANDARD FINISHES**

| GLENAIR<br>SYMBOL                                      | FINISH                                               |
|--------------------------------------------------------|------------------------------------------------------|
| B                                                      | Cadmium Plate, Olive Drab                            |
| M                                                      | Electroless Nickel                                   |
| NF                                                     | Cadmium Plate, Olive Drab<br>Over Electroless Nickel |
| See Inside Back Cover<br>for Additional Finish Options |                                                      |

- When maximum cable entry (page 22) is exceeded, Style 2 will be supplied. (Function S only.)
- Metric dimensions (mm) are indicated in parentheses.
- Cable range is defined as the accommodations range for the wire bundle or cable. Dimensions shown are not intended for inspection criteria.

**TABLE XI: CABLE ENTRY**

| Dash<br>No. | W<br>Max     | X<br>Max     | Y<br>Max     | Z<br>Max     | Cable Range  |              |
|-------------|--------------|--------------|--------------|--------------|--------------|--------------|
|             |              |              |              |              | Min **       | Max          |
| 03*         | .437 (11.1)  | .760 (19.3)  | .843 (21.4)  | .630 (16.0)  | .156 (4.0)   | .250 (6.4)   |
| 04*         | .437 (11.1)  | .760 (19.3)  | .906 (23.0)  | .755 (19.2)  | .188 (4.8)   | .312 (7.9)   |
| 06*         | .500 (12.7)  | .760 (19.3)  | 1.093 (27.8) | .942 (23.9)  | .281 (7.1)   | .438 (11.1)  |
| 08          | .563 (14.3)  | .760 (19.3)  | 1.187 (30.1) | 1.067 (27.1) | .344 (8.7)   | .562 (14.3)  |
| 10          | .563 (14.3)  | .760 (19.3)  | 1.281 (32.5) | 1.192 (30.3) | .375 (9.5)   | .625 (15.9)  |
| 12          | .563 (14.3)  | .760 (19.3)  | 1.500 (38.1) | 1.380 (35.1) | .438 (11.1)  | .750 (19.1)  |
| 16          | .656 (16.7)  | 1.073 (27.3) | 1.719 (43.7) | 1.535 (39.0) | .562 (14.3)  | .938 (23.8)  |
| 20          | .656 (16.7)  | 1.323 (33.6) | 2.062 (52.4) | 1.848 (46.9) | .750 (19.1)  | 1.250 (31.8) |
| 24          | .656 (16.7)  | 1.323 (33.6) | 2.312 (58.7) | 2.255 (57.3) | .781 (19.8)  | 1.375 (34.9) |
| 28          | 1.188 (30.2) | 1.572 (39.9) | 2.719 (69.1) | 2.505 (63.6) | .969 (24.6)  | 1.625 (41.3) |
| 32*         | 1.187 (30.1) | 1.572 (39.9) | 2.969 (75.4) | 2.755 (70.0) | 1.125 (28.6) | 1.875 (47.6) |
| 40*         | 1.125 (28.6) | 1.572 (39.9) | 3.531 (89.7) | 3.255 (82.7) | 1.469 (37.3) | 2.375 (60.3) |

\* Not available in Style M clamp.

\*\* Not Applicable Style D

- Consult factory for shorter lengths on straight backshells.
- Refer to pages 18 and 19 for connector designator B part number development.

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