

# 630-006

## EMI/RFI Environmental Bulkhead Feed-Through with Strain Relief Front and Rear Panel Mount - Straight

### Single Overall EMI/RFI Shield Termination

630 A 006 NF 16 2 A

Product Series ———

Fitting Type ———  
A = Rear Mount  
B = Front Mount

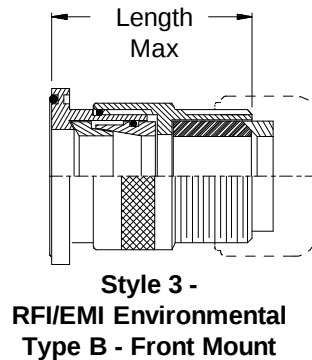
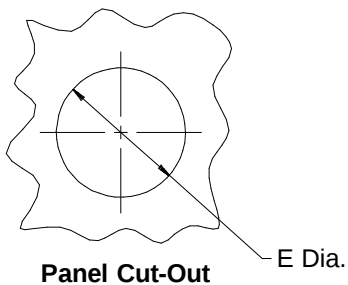
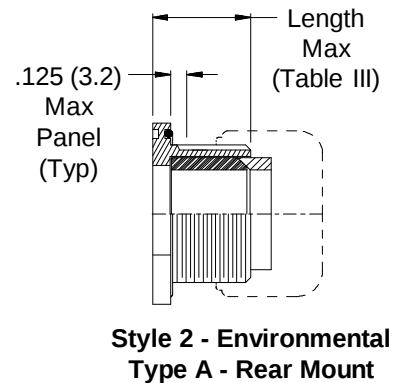
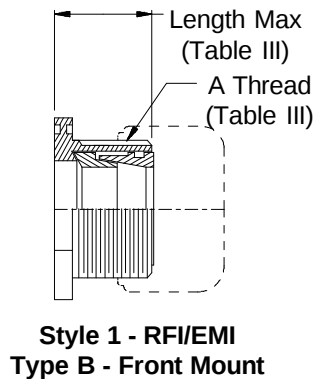
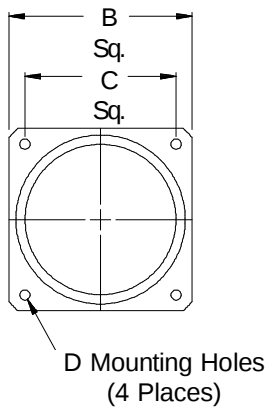
Basic Part No. ———

Finish (Table II) ———

Strain Relief Style (H, A, M, D)

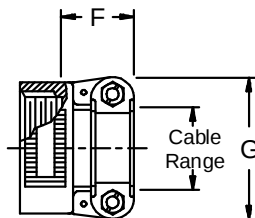
Fitting Style  
1 = RFI/EMI Only  
2 = Environmental Only  
3 = RFI/EMI Environmental  
4 = Non-RFI/EMI Non-environmental

Cable Entry (Table III)

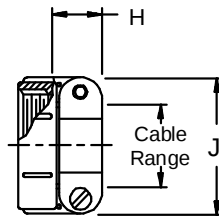


1. Metric dimensions (mm) are indicated in parentheses.
2. Cable range is defined as the accommodations range for the wire bundle or cable. Dimensions shown are not intended for inspection criteria.

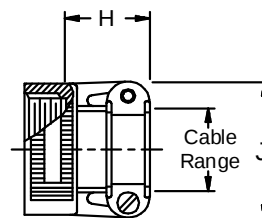
**STYLE H**  
Heavy Duty



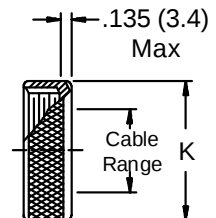
**STYLE A**  
Medium Duty



**STYLE M**  
Medium Duty



**STYLE D**  
Medium Duty



**630-006**  
**EMI/RFI Environmental Bulkhead Feed-Through**  
 with Strain Relief  
 Front and Rear Panel Mount - Straight



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See inside back cover fold-out or page 14 for Table II.

**TABLE III: CABLE ENTRY**

| Dash | Clamp | Cable Range |              | A Thread     |            | B            |              | C Sq.            | D Dia -.000   | E Dia -.000   |
|------|-------|-------------|--------------|--------------|------------|--------------|--------------|------------------|---------------|---------------|
| No.  | Style | Size        | Min          | Max          | Unified    | Dim          |              | ± .010<br>(± .3) | + .015 (+ .4) | + .030 (+ .8) |
| 01   | 1, 2  | 03          | .157 (4.0)   | .250 (6.4)   | 1/2 -28    | .885 (22.5)  | .593 (15.1)  | .120 (3.0)       | .250 (6.4)    |               |
| 02   | 3     | 03          | .157 (4.0)   | .250 (6.4)   | 1/2 -28    | .885 (22.5)  | .593 (15.1)  | .120 (3.0)       | .250 (6.4)    |               |
| 03   | 1,2   | 04          | .187 (4.7)   | .312 (7.9)   | 5/8 -24    | 1.104 (28.0) | .812 (20.6)  | .120 (3.0)       | .312 (7.9)    |               |
| 04   | 3     | 04          | .187 (4.7)   | .312 (7.9)   | 5/8 -24    | 1.104 (28.0) | .812 (20.6)  | .120 (3.0)       | .312 (7.9)    |               |
| 05   | 1, 2  | 06          | .281 (7.1)   | .437 (11.1)  | 3/4 -20    | 1.197 (30.4) | .906 (23.0)  | .120 (3.0)       | .437 (11.1)   |               |
| 06   | 3     | 06          | .281 (7.1)   | .437 (11.1)  | 3/4 -20    | 1.197 (30.4) | .906 (23.0)  | .120 (3.0)       | .437 (11.1)   |               |
| 07   | 1,2   | 08          | .344 (8.7)   | .562 (14.3)  | 7/8 -20    | 1.291 (32.8) | .968 (24.6)  | .120 (3.0)       | .562 (14.3)   |               |
| 08   | 3     | 08          | .344 (8.7)   | .562 (14.3)  | 7/8 -20    | 1.291 (32.8) | .968 (24.6)  | .120 (3.0)       | .562 (14.3)   |               |
| 09   | 1, 2  | 10          | .375 (9.5)   | .625 (15.9)  | 1 -20      | 1.385 (35.2) | 1.062 (27.0) | .120 (3.0)       | .625 (15.9)   |               |
| 10   | 3     | 10          | .375 (9.5)   | .625 (15.9)  | 1 -20      | 1.385 (35.2) | 1.062 (27.0) | .120 (3.0)       | .625 (15.9)   |               |
| 11   | 1,2   | 12          | .438 (11.1)  | .750 (19.1)  | 1 3/16 -18 | 1.635 (41.5) | 1.250 (31.8) | .120 (3.0)       | .750 (19.1)   |               |
| 12   | 3     | 12          | .438 (11.1)  | .750 (19.1)  | 1 3/16 -18 | 1.635 (41.5) | 1.250 (31.8) | .120 (3.0)       | .750 (19.1)   |               |
| 13   | 1, 2  | 16          | .625 (15.9)  | .937 (23.8)  | 1 7/16 -18 | 1.760 (44.7) | 1.375 (34.9) | .147 (3.7)       | .937 (23.8)   |               |
| 14   | 3     | 16          | .625 (15.9)  | .937 (23.8)  | 1 7/16 -18 | 1.760 (44.7) | 1.375 (34.9) | .147 (3.7)       | .937 (23.8)   |               |
| 15   | 1,2   | 20          | .875 (22.2)  | 1.250 (31.8) | 1 3/4 -18  | 2.010 (51.1) | 1.562 (39.7) | .147 (3.7)       | 1.250 (31.8)  |               |
| 16   | 3     | 20          | .875 (22.2)  | 1.250 (31.8) | 1 3/4 -18  | 2.010 (51.1) | 1.562 (39.7) | .147 (3.7)       | 1.250 (31.8)  |               |
| 17   | 1, 2  | 24          | 1.000 (25.4) | 1.375 (34.9) | 2 -18      | 2.260 (57.4) | 1.750 (44.5) | .173 (4.4)       | 1.375 (34.9)  |               |
| 18   | 3     | 24          | 1.000 (25.4) | 1.375 (34.9) | 2 -18      | 2.260 (57.4) | 1.750 (44.5) | .173 (4.4)       | 1.375 (34.9)  |               |
| 19   | 1,2   | 28          | 1.250 (31.8) | 1.625 (41.3) | 2 1/4 -16  | 2.510 (63.8) | 1.938 (49.2) | .173 (4.4)       | 1.625 (41.3)  |               |
| 20   | 3     | 28          | 1.250 (31.8) | 1.625 (41.3) | 2 1/4 -16  | 2.510 (63.8) | 1.938 (49.2) | .173 (4.4)       | 1.625 (41.3)  |               |
| 21   | 1, 2  | 32          | 1.437 (36.5) | 1.875 (47.6) | 2 1/2 -16  | 2.781 (70.6) | 2.188 (55.6) | .173 (4.4)       | 1.875 (47.6)  |               |
| 22   | 3     | 32          | 1.437 (36.5) | 1.875 (47.6) | 2 1/2 -16  | 2.781 (70.6) | 2.188 (55.6) | .173 (4.4)       | 1.875 (47.6)  |               |
| 23   | 1,2   | 40          | 1.875 (47.6) | 2.375 (60.3) | 3 -16      | 3.281 (83.3) | 2.625 (66.7) | .173 (4.4)       | 2.375 (60.3)  |               |
| 24   | 3     | 40          | 1.875 (47.6) | 2.375 (60.3) | 3 -16      | 3.281 (83.3) | 2.625 (66.7) | .173 (4.4)       | 2.375 (60.3)  |               |

**TABLE III (Continued)**

| Dash |       | F            | G            | H            | J            | K            | Length       |
|------|-------|--------------|--------------|--------------|--------------|--------------|--------------|
| No.  | Style | Max          | Max          | Max          | Max          | Max          | Max          |
| 01   | 1, 2  | ---          | ---          | .760 (19.3)  | .843 (21.4)  | .630 (16.0)  | .971 (24.7)  |
| 02   | 3     | ---          | ---          | .760 (19.3)  | .843 (21.4)  | .630 (16.0)  | 1.820 (46.2) |
| 03   | 1,2   | .780 (19.8)  | .957 (24.3)  | .760 (19.3)  | .906 (23.0)  | .755 (19.2)  | .971 (24.7)  |
| 04   | 3     | .780 (19.8)  | .957 (24.3)  | .760 (19.3)  | .906 (23.0)  | .755 (19.2)  | 1.820 (46.2) |
| 05   | 1, 2  | .780 (19.8)  | 1.145 (29.1) | .760 (19.3)  | 1.093 (27.8) | .942 (23.9)  | .971 (24.7)  |
| 06   | 3     | .780 (19.8)  | 1.145 (29.1) | .760 (19.3)  | 1.093 (27.8) | .942 (23.9)  | 1.820 (46.2) |
| 07   | 1,2   | .780 (19.8)  | 1.332 (33.8) | .760 (19.3)  | 1.187 (30.1) | 1.067 (27.1) | .971 (24.7)  |
| 08   | 3     | .780 (19.8)  | 1.332 (33.8) | .760 (19.3)  | 1.187 (30.1) | 1.067 (27.1) | 1.820 (46.2) |
| 09   | 1, 2  | .780 (19.8)  | 1.332 (33.8) | .760 (19.3)  | 1.281 (32.5) | 1.192 (30.3) | .971 (24.7)  |
| 10   | 3     | .780 (19.8)  | 1.332 (33.8) | .760 (19.3)  | 1.281 (32.5) | 1.192 (30.3) | 1.820 (46.2) |
| 11   | 1,2   | .811 (20.6)  | 1.551 (39.4) | .760 (19.3)  | 1.500 (38.1) | 1.380 (35.1) | 1.031 (26.2) |
| 12   | 3     | .811 (20.6)  | 1.551 (39.4) | .760 (19.3)  | 1.500 (38.1) | 1.380 (35.1) | 1.820 (46.2) |
| 13   | 1, 2  | .905 (23.0)  | 1.770 (45.0) | 1.073 (27.3) | 1.719 (43.7) | 1.535 (39.0) | 1.031 (26.2) |
| 14   | 3     | .905 (23.0)  | 1.770 (45.0) | 1.073 (27.3) | 1.719 (43.7) | 1.535 (39.0) | 1.820 (46.2) |
| 15   | 1,2   | 1.092 (27.7) | 2.113 (53.7) | 1.323 (33.6) | 2.062 (52.4) | 1.848 (46.9) | 1.031 (26.2) |
| 16   | 3     | 1.092 (27.7) | 2.113 (53.7) | 1.323 (33.6) | 2.062 (52.4) | 1.848 (46.9) | 1.820 (46.2) |
| 17   | 1, 2  | 1.124 (28.5) | 2.363 (60.0) | 1.323 (33.6) | 2.312 (58.7) | 2.255 (57.3) | 1.095 (27.8) |
| 18   | 3     | 1.124 (28.5) | 2.363 (60.0) | 1.323 (33.6) | 2.312 (58.7) | 2.255 (57.3) | 1.820 (46.2) |
| 19   | 1,2   | 1.399 (35.5) | 2.770 (70.4) | 1.572 (39.9) | 2.719 (69.1) | 2.505 (63.6) | 1.095 (27.8) |
| 20   | 3     | 1.399 (35.5) | 2.770 (70.4) | 1.572 (39.9) | 2.719 (69.1) | 2.505 (63.6) | 1.820 (46.2) |
| 21   | 1, 2  | 1.399 (35.5) | 3.020 (76.7) | 1.572 (39.9) | 2.969 (75.4) | 2.755 (70.0) | 1.095 (27.8) |
| 22   | 3     | 1.399 (35.5) | 3.020 (76.7) | 1.572 (39.9) | 2.969 (75.4) | 2.755 (70.0) | 1.940 (49.3) |
| 23   | 1,2   | ---          | ---          | 1.572 (39.9) | 3.531 (89.7) | 3.255 (82.7) | 1.220 (31.0) |
| 24   | 3     | ---          | ---          | 1.572 (39.9) | 3.531 (89.7) | 3.255 (82.7) | 2.060 (52.3) |

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### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

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