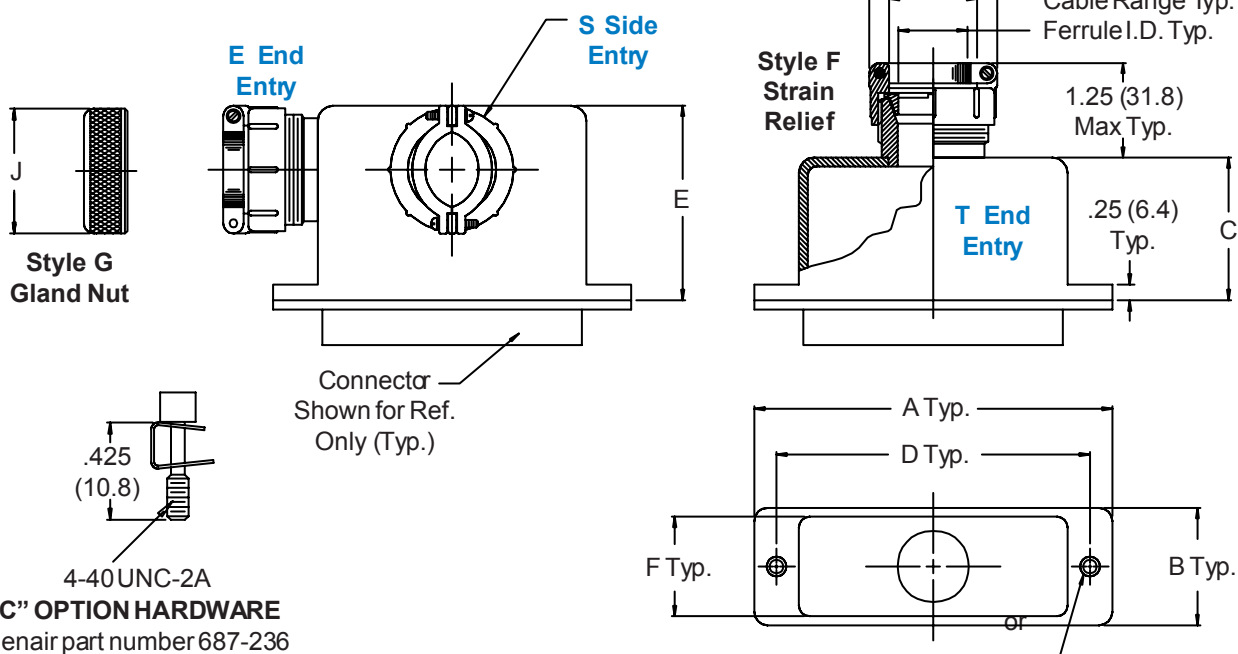




# 557-110 EMI/RFI D-Subminiature Solid Backshell for Individual and Overall Shielding with Strain-Relief

**557 T 110 M 2 F 02 C**  
 Basic Part No. \_\_\_\_\_  
 Cable Entry Style \_\_\_\_\_  
     T = Top  
     S = Side  
     E = End  
 Basic Part Number \_\_\_\_\_  
 Finish Symbol (Page 3) \_\_\_\_\_  
     C = Supplied With Retainer Clips and Jackscrews, Omit for None  
     Cable Entry Dash No. (Table II)  
     F = Strain Relief  
     G = Gland Nut  
     Shell Size (Table I)


**TABLE II: CABLE ENTRY**

| Dash No. | H Max        | J Max        | Cable Range |             | Ferrule I.D. |
|----------|--------------|--------------|-------------|-------------|--------------|
|          |              |              | Min         | Max         |              |
| 02       | .968 (24.6)  | .781 (19.8)  | .125 (3.2)  | .250 (6.4)  | .125 (3.2)   |
| 03       | 1.046 (26.6) | .906 (23.0)  | .250 (6.4)  | .375 (9.5)  | .250 (6.4)   |
| 04       | 1.156 (29.4) | 1.031 (26.2) | .312 (7.9)  | .500 (12.7) | .375 (9.5)   |
| 05       | 1.218 (30.9) | 1.156 (29.4) | .375 (9.5)  | .625 (15.9) | .500 (12.7)  |

Tapped f 4-40 UNC-2B (2 places). When C option is ordered, two cleared holes are supplied.

Metric dimensions (mm) are indicated in parentheses.

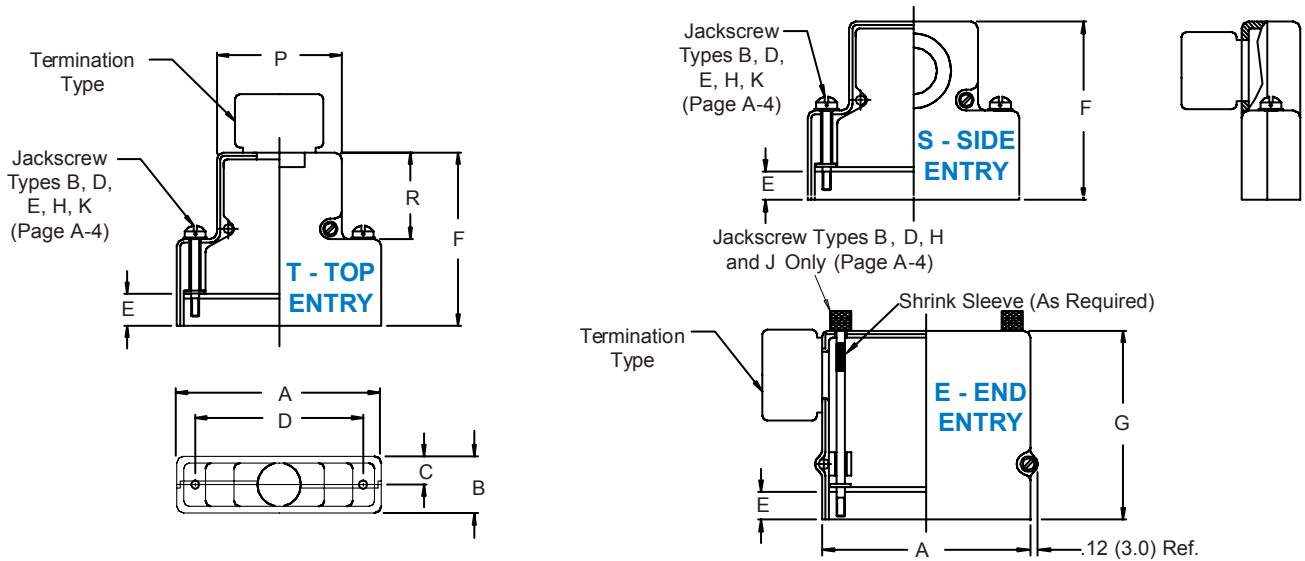
**TABLE I: CONNECTOR/SHELL INTERFACE & BACKSHELL DIMENSIONS**

| Shell Size | Com'l Shell Size Ref | A           | B          | C           | D ±.005 (.1) | E           | F          | Max Dash No. Table II |
|------------|----------------------|-------------|------------|-------------|--------------|-------------|------------|-----------------------|
| 1          | E/09                 | 1.25 (31.8) | .53 (13.5) | .75 (19.1)  | .984 (25.0)  | 1.88 (47.8) | .43 (10.9) | 04                    |
| 2          | A/15                 | 1.58 (40.1) | .53 (13.5) | .75 (19.1)  | 1.312 (33.3) | 1.88 (47.8) | .43 (10.9) | 04                    |
| 3          | B/25                 | 2.13 (54.1) | .53 (13.5) | 1.00 (25.4) | 1.852 (47.0) | 1.88 (47.8) | .43 (10.9) | 04                    |
| 4          | C/37                 | 2.77 (70.4) | .53 (13.5) | 1.00 (25.4) | 2.500 (63.5) | 1.88 (47.8) | .43 (10.9) | 04                    |
| 5          | D/50                 | 2.68 (68.1) | .66 (16.8) | 1.25 (31.8) | 2.406 (61.1) | 2.13 (54.1) | .56 (14.2) | 04                    |
| 6          | F/104                | 2.77 (70.4) | .73 (18.5) | 1.25 (31.8) | 2.500 (63.5) | 2.13 (54.1) | .63 (16.0) | 05                    |

# D-Subminiature Split Backshells Standard Dimensions



MIL-DTL-24308  
D-Subminiature



## COMMON CONNECTOR/SHELL INTERFACE & BACKSHELL DIMENSIONS

| Com'l Shell Size | Ref   | A Max        | B Max       | C Ref.      | D ±.005 (.1) | P            | R Ref        |
|------------------|-------|--------------|-------------|-------------|--------------|--------------|--------------|
| 1                | E/09  | 1.393 (35.4) | .624 (15.8) | .312 (7.9)  | .984 (25.0)  | .730 (18.5)  | .719 (18.3)  |
| 2                | A/15  | 1.706 (43.3) | .624 (15.8) | .312 (7.9)  | 1.312 (33.3) | 1.050 (26.7) | .719 (18.3)  |
| 3                | B/25  | 2.265 (57.5) | .624 (15.8) | .312 (7.9)  | 1.852 (47.0) | 1.594 (40.5) | .938 (23.8)  |
| 4                | C/37  | 2.900 (73.7) | .624 (15.8) | .312 (7.9)  | 2.500 (63.5) | 2.240 (56.9) | .938 (23.8)  |
| 5                | D/50  | 2.800 (71.1) | .750 (19.1) | .375 (9.5)  | 2.406 (61.1) | 2.140 (54.4) | .938 (23.8)  |
| 6                | F/104 | 2.900 (73.7) | .844 (21.4) | .422 (10.7) | 2.500 (63.5) | 2.240 (56.9) | 1.094 (27.8) |

## CABLE MOUNTING AND BACKSHELL DIMENSIONS

| Dash No. | Panel Thickness | E          | F ± .031 (0.79) |              |              | G ± .031 (0.79) |              |
|----------|-----------------|------------|-----------------|--------------|--------------|-----------------|--------------|
|          |                 |            | Sizes 1 & 2     | Sizes 3 - 5  | Size 6       | Sizes 1 & 2     | Sizes 3 - 5  |
| CC       | n/a             | .174 (4.4) | 1.451 (36.9)    | 1.671 (42.4) | 1.820 (46.2) | 1.583 (40.2)    | 1.831 (46.5) |
| F0       | n/a             | .343 (8.7) | 1.625 (41.3)    | 1.844 (46.8) | 2.000 (50.8) | 1.750 (44.5)    | 2.000 (50.8) |
| R1       | .031 (.8)       | .247 (6.3) | 1.525 (38.7)    | 1.745 (44.3) | 1.890 (48.0) | 1.656 (42.1)    | 1.904 (48.4) |
| R2       | .047 (1.2)      | .231 (5.9) | 1.509 (38.3)    | 1.728 (43.9) | 1.875 (47.6) | 1.640 (41.7)    | 1.888 (48.0) |
| R3       | .062 (1.6)      | .216 (5.5) | 1.500 (38.1)    | 1.720 (43.7) | 1.860 (47.2) | 1.625 (41.3)    | 1.873 (47.6) |
| R4       | .093 (2.4)      | .185 (4.7) | 1.470 (37.3)    | 1.690 (42.9) | 1.829 (46.5) | 1.594 (40.5)    | 1.842 (46.8) |
| R5       | .104 (2.6)      | .174 (4.4) | 1.451 (36.9)    | 1.671 (42.4) | 1.820 (46.2) | 1.583 (40.2)    | 1.831 (46.5) |
| R6       | .125 (3.2)      | .153 (3.9) | 1.430 (36.3)    | 1.650 (41.9) | 1.798 (45.7) | 1.563 (39.7)    | 1.811 (46.0) |
| R7       | .156 (4.0)      | .125 (3.2) | 1.400 (35.6)    | 1.620 (41.1) | 1.767 (44.9) | 1.531 (38.9)    | 1.781 (45.2) |
| R8       | .135 (3.4)      | .140 (3.6) | 1.417 (36.0)    | 1.637 (41.6) | 1.805 (45.8) | 1.550 (39.4)    | 1.798 (45.7) |
| R9       | .188 (4.8)      | .094 (2.4) | 1.368 (34.7)    | 1.590 (40.4) | 1.740 (44.2) | 1.500 (38.1)    | 1.750 (44.5) |

Metric dimensions (mm) are indicated in parentheses.