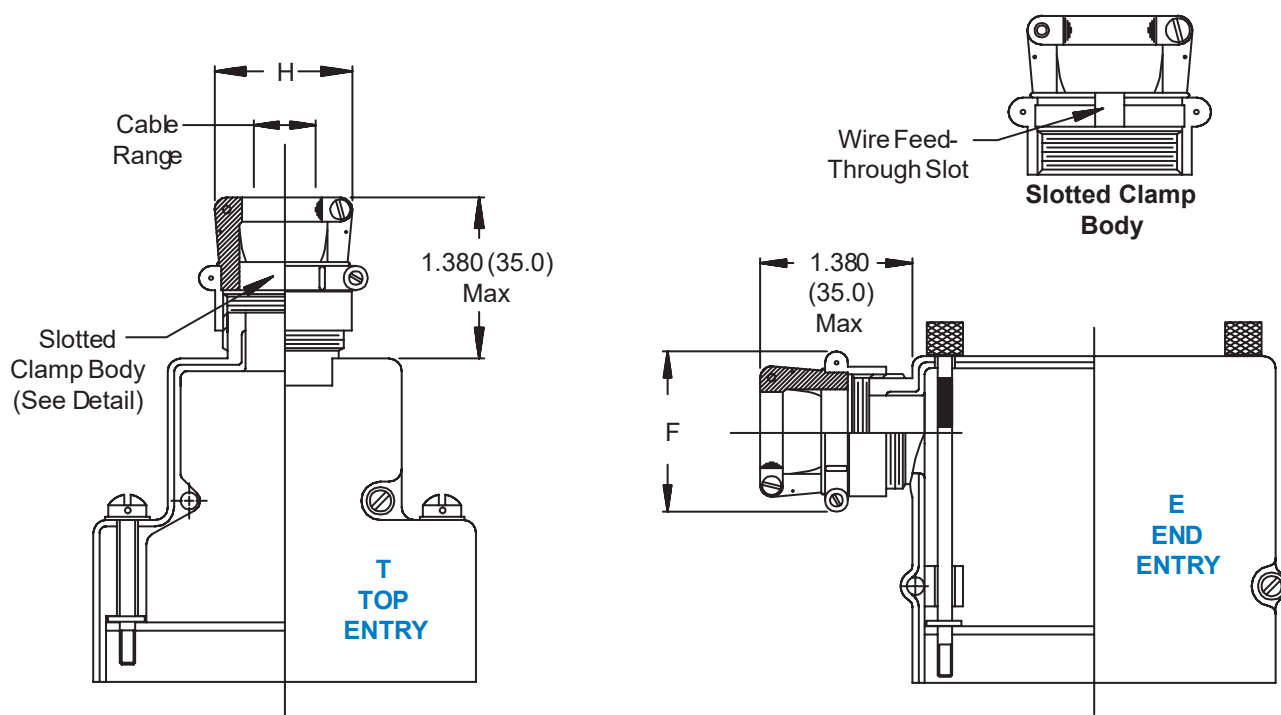




# 550-101

## D-Subminiature Retro-Fit Non-EMI Strain-Relief Split Backshell

**550 T 101 M 2 F0 B**  
 Basic Part No. \_\_\_\_\_  
 Cable Entry Style \_\_\_\_\_  
     T = Top  
     E = End  
 Basic Part Number \_\_\_\_\_  
 Finish Symbol (Page 3) \_\_\_\_\_  
 Jackscrew Type (Page A-4)  
 Receptacle Mounting (Right Page)  
     CC = Cable-to-Cable Mounting  
     F0 = Front Mounting  
     R1-R9 = Rear Mounting  
 Shell Size (Table I)



**TABLE I: SHELL SIZE, CABLE ENTRY AND STYLE**

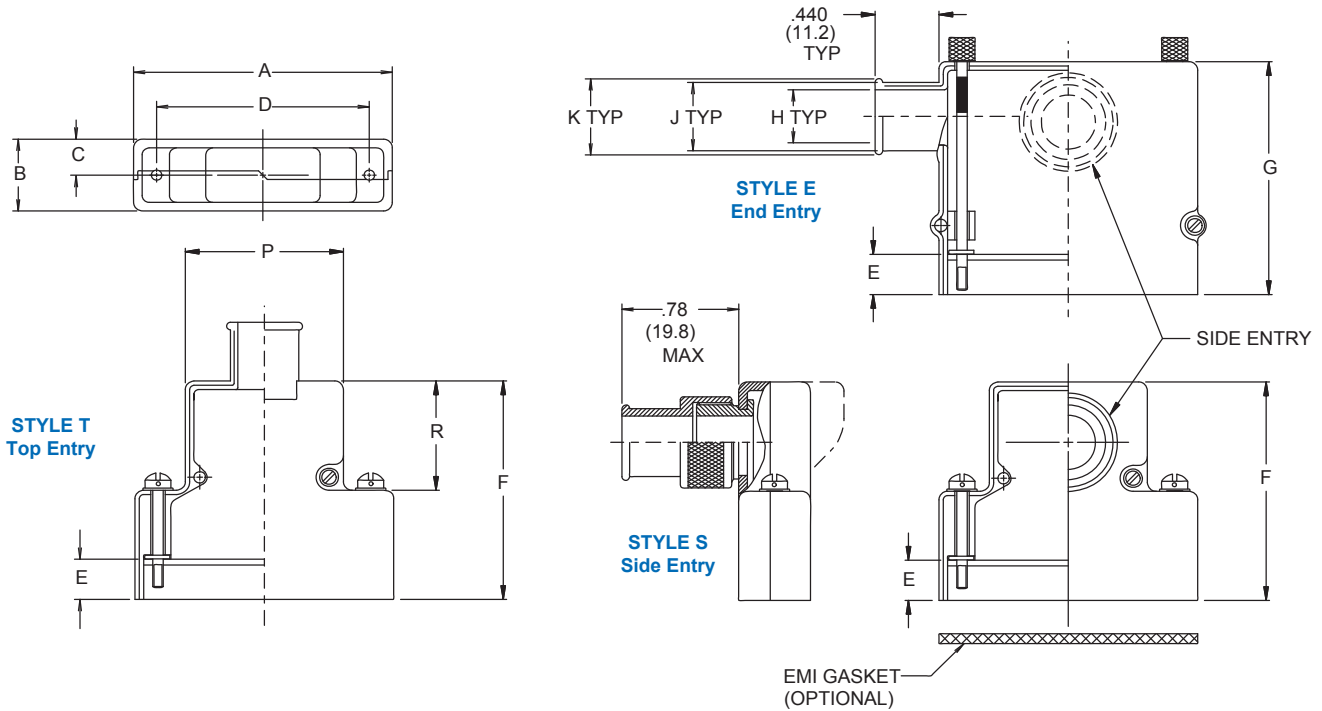
| Shell Size | Com'l Shell Size Ref | F Max        | H Max        | Entry Style T Cable Range |        |      |        | Entry Style E Cable Range |        |      |        |
|------------|----------------------|--------------|--------------|---------------------------|--------|------|--------|---------------------------|--------|------|--------|
|            |                      |              |              | Min                       |        | Max  |        | Min                       |        | Max  |        |
| 1          | E/09                 | 1.190 (30.2) | 1.062 (27.0) | .125                      | (3.2)  | .250 | (6.4)  | .250                      | (6.4)  | .375 | (9.5)  |
| 2          | A/15                 | 1.320 (33.5) | 1.062 (27.0) | .250                      | (6.4)  | .375 | (9.5)  | .250                      | (6.4)  | .375 | (9.5)  |
| 3          | B/25                 | 1.440 (36.6) | 1.156 (29.4) | .312                      | (7.9)  | .475 | (12.1) | .312                      | (7.9)  | .475 | (12.1) |
| 4          | C/37                 | 1.440 (36.6) | 1.156 (29.4) | .312                      | (7.9)  | .475 | (12.1) | .312                      | (7.9)  | .475 | (12.1) |
| 5          | D/50                 | 1.560 (39.6) | 1.335 (33.9) | .437                      | (11.1) | .575 | (14.6) | .437                      | (11.1) | .575 | (14.6) |

1. Metric dimensions (mm) are indicated in parentheses.
2. **DO NOT USE CONNECTORS WITH FLOAT MOUNTINGS.**

# D-Subminiature Split Backshells Standard Dimensions



MIL-DTL-24308  
D-Subminiature



**Table I: Common Connector/Shell Interface and Backshell Dimensions**

| Shell Size | Com'l Shell Size Ref. | A Max. |      | B Max. |      | C    |      | D<br>±.005 (.1) |      | P     |      | R Ref. |      |
|------------|-----------------------|--------|------|--------|------|------|------|-----------------|------|-------|------|--------|------|
|            |                       | In.    | mm   | In.    | mm   | In.  | mm   | In.             | mm   | In.   | mm   | In.    | mm   |
| 1          | E/09                  | 1.393  | 35.4 | .624   | 15.8 | .624 | 7.9  | .984            | 25.0 | .730  | 18.5 | .719   | 18.3 |
| 2          | A/15                  | 1.706  | 43.3 | .624   | 15.8 | .624 | 7.9  | 1.312           | 33.3 | 1.050 | 26.7 | .719   | 18.3 |
| 3          | B/25                  | 2.265  | 57.5 | .624   | 15.8 | .624 | 7.9  | 1.852           | 47.0 | 1.594 | 40.5 | .938   | 23.8 |
| 4          | C/37                  | 2.900  | 73.7 | .624   | 15.8 | .624 | 7.9  | 2.500           | 63.5 | 2.240 | 56.9 | .938   | 23.8 |
| 5          | D/50                  | 2.800  | 73.1 | .750   | 19.1 | .750 | 9.5  | 2.406           | 61.1 | 2.140 | 54.4 | .938   | 23.8 |
| 6          | F/104                 | 2.900  | 73.7 | .844   | 21.4 | .844 | 10.7 | 2.500           | 63.5 | 2.240 | 56.9 | 1.094  | 27.8 |

**Table III: Cable Mounting and Backshell Dimensions**

| Dash No. | Panel Thickness |     | E    |     | F            |      |          |      |        |      |              |      |          |      |
|----------|-----------------|-----|------|-----|--------------|------|----------|------|--------|------|--------------|------|----------|------|
|          |                 |     |      |     | Size 1 and 2 |      | Size 3–5 |      | Size 6 |      | Size 1 and 2 |      | Size 3–6 |      |
|          | In.             | mm  | In.  | mm  | In.          | mm   | In.      | mm   | In.    | mm   | In.          | mm   | In.      | mm   |
| CC       | N/A             |     | .185 | 4.7 | 1.467        | 37.3 | 1.686    | 42.8 | 1.842  | 46.8 | 1.592        | 40.4 | 1.842    | 46.8 |
| 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 | 1.529        | 38.8 | 1.748    | 44.4 | 1.904  | 48.4 | 1.654        | 42.0 | 1.904    | 48.4 |
| R2       | .047            | 1.2 | .231 | 5.9 | 1.513        | 38.4 | 1.732    | 44.0 | 1.888  | 48.0 | 1.638        | 41.6 | 1.888    | 48.0 |
| R3       | .062            | 1.6 | .216 | 5.5 | 1.498        | 38.0 | 1.717    | 43.6 | 1.873  | 47.6 | 1.623        | 41.2 | 1.873    | 47.6 |
| R4       | .093            | 2.4 | .185 | 4.7 | 1.467        | 37.3 | 1.686    | 42.8 | 1.842  | 46.8 | 1.592        | 40.4 | 1.842    | 46.8 |
| R5       | .104            | 2.6 | .174 | 4.4 | 1.456        | 37.0 | 1.675    | 42.5 | 1.831  | 46.5 | 1.581        | 40.2 | 1.831    | 46.5 |
| R6       | .125            | 3.2 | .153 | 3.9 | 1.435        | 36.4 | 1.654    | 42.0 | 1.810  | 46.0 | 1.560        | 39.6 | 1.810    | 46.0 |
| R7       | .156            | 4.0 | .125 | 3.2 | 1.407        | 35.7 | 1.626    | 41.3 | 1.782  | 45.3 | 1.532        | 38.9 | 1.782    | 45.3 |
| R8       | .135            | 3.4 | .140 | 3.6 | 1.422        | 36.1 | 1.641    | 41.7 | 1.797  | 45.7 | 1.547        | 39.3 | 1.797    | 45.7 |
| R9       | .188            | 4.8 | .094 | 2.4 | 1.376        | 34.9 | 1.595    | 40.5 | 1.751  | 44.5 | 1.501        | 38.1 | 1.751    | 44.5 |

Metric dimensions (mm) are indicated in parentheses.