



# 550-005

## EMI/RFI D-Subminiature Split Backshell

### Lamp-Thread Type Shield Termination

#### With Shrink Boot Groove

550 T 005 M 2 F0 B 1 F 02

Basic Part No. ————

Cable Entry Style ————  
T = Top  
S = Side  
E = End

Basic Part Number ————

Finish Symbol (Page 3) ————

Shell Size (Table I) ————

Cable Entry Dash No. (Table II)

E = Strain Relief, G = Gland Nut

0 = Without EMI Gasket,  
1 = With EMI Gasket

Jackscrew Type (Page A-4)

Receptacle Mounting (Right Page)  
CC = Cable-to-Cable Mounting  
F0 = Front Mounting  
R1-R9 = Rear Mounting

1. Metric dimensions (mm) are indicated in parentheses.
2. **DO NOT USE CONNECTORS WITH FLOAT MOUNTINGS.**
3. Overall shield thickness range:  
Max to .031 (0.8)

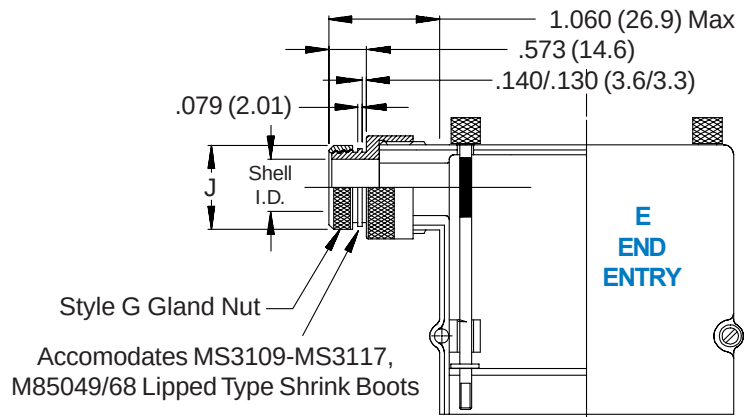
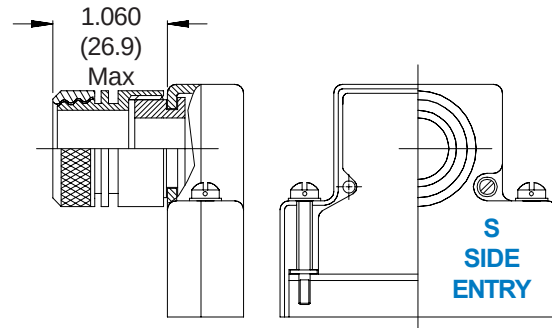
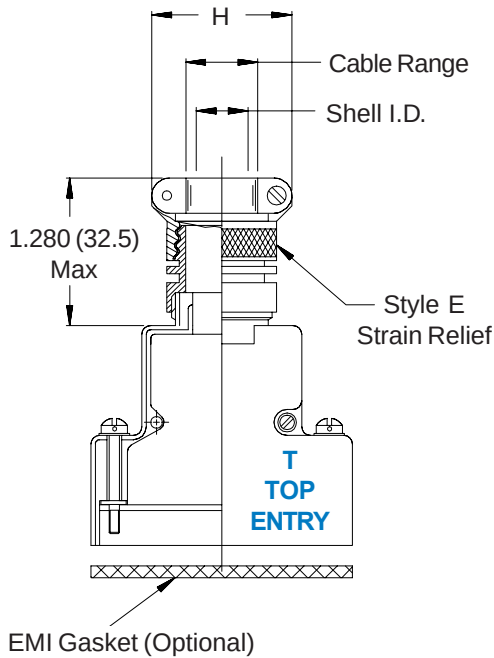


TABLE I: SHELL SIZE & ENTRY STYLE

| Shell Size | Com'l Shell Size Ref | Entry Style T (Ref) Shell I.D. | Entry Style E Shell I.D. |
|------------|----------------------|--------------------------------|--------------------------|
| 1          | E/09                 | .250 (6.4)                     | .375 (9.5)               |
| 2          | A/15                 | .375 (9.5)                     | .375 (9.5)               |
| 3          | B/25                 | .475 (12.1)                    | .475 (12.1)              |
| 4          | C/37                 | .475 (12.1)                    | .475 (12.1)              |
| 5          | D/50                 | .575 (14.6)                    | .575 (14.6)              |
| 6 *        | F/104                | 1.000 (25.4)                   | n/a                      |

\* Shell Size 6 Available in Top Entry Only.

TABLE II: BACKSHELL DIMENSIONS & CABLE ENTRY

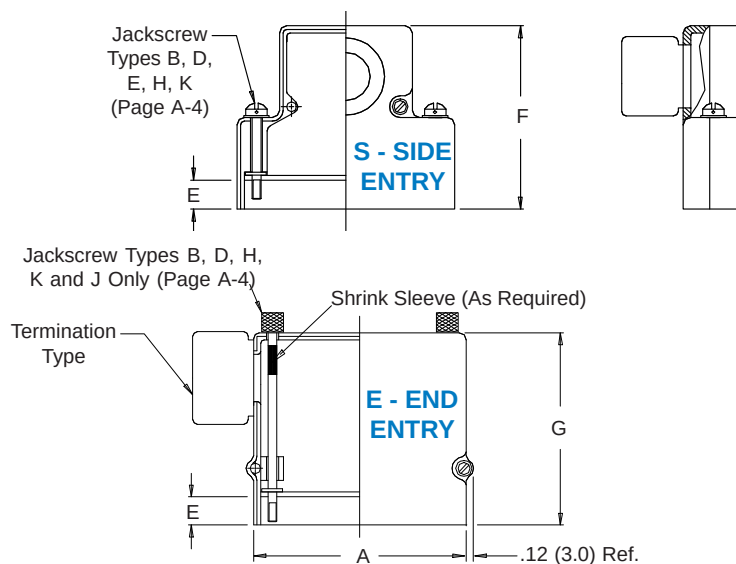
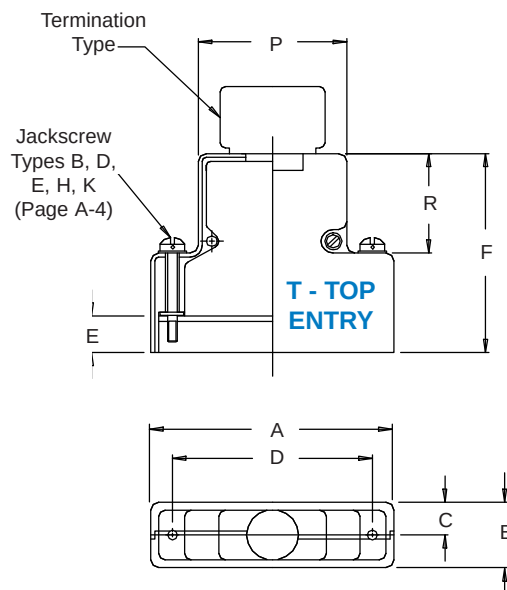
| Dash No. | H Max        | J Max        | Cable Range |              |
|----------|--------------|--------------|-------------|--------------|
|          |              |              | Min         | Max          |
| 02       | .968 (24.6)  | .515 (13.1)  | .125 (3.2)  | .250 (6.4)   |
| 03       | 1.046 (26.6) | .640 (16.3)  | .250 (6.4)  | .375 (9.5)   |
| 04       | 1.156 (29.4) | .765 (19.4)  | .312 (7.9)  | .500 (12.7)  |
| 05       | 1.218 (30.9) | .920 (23.4)  | .437 (11.1) | .625 (15.9)  |
| 06       | 1.343 (34.1) | 1.015 (25.8) | .562 (14.3) | .750 (19.1)  |
| 07*      | 1.468 (37.3) | 1.140 (29.0) | .687 (17.4) | .875 (22.2)  |
| 08*      | 1.593 (40.5) | 1.265 (32.1) | .812 (20.6) | 1.000 (25.4) |

\* Available in Shell Size 6 Only

# D-Subminiature Split Backshells Standard Dimensions



MIL-C-24308  
D-Subminiature



## COMMON CONNECTOR/SHELL INTERFACE & BACKSHELL DIMENSIONS

| Shell Size | 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) |

1. Metric dimensions (mm) are indicated in parentheses.