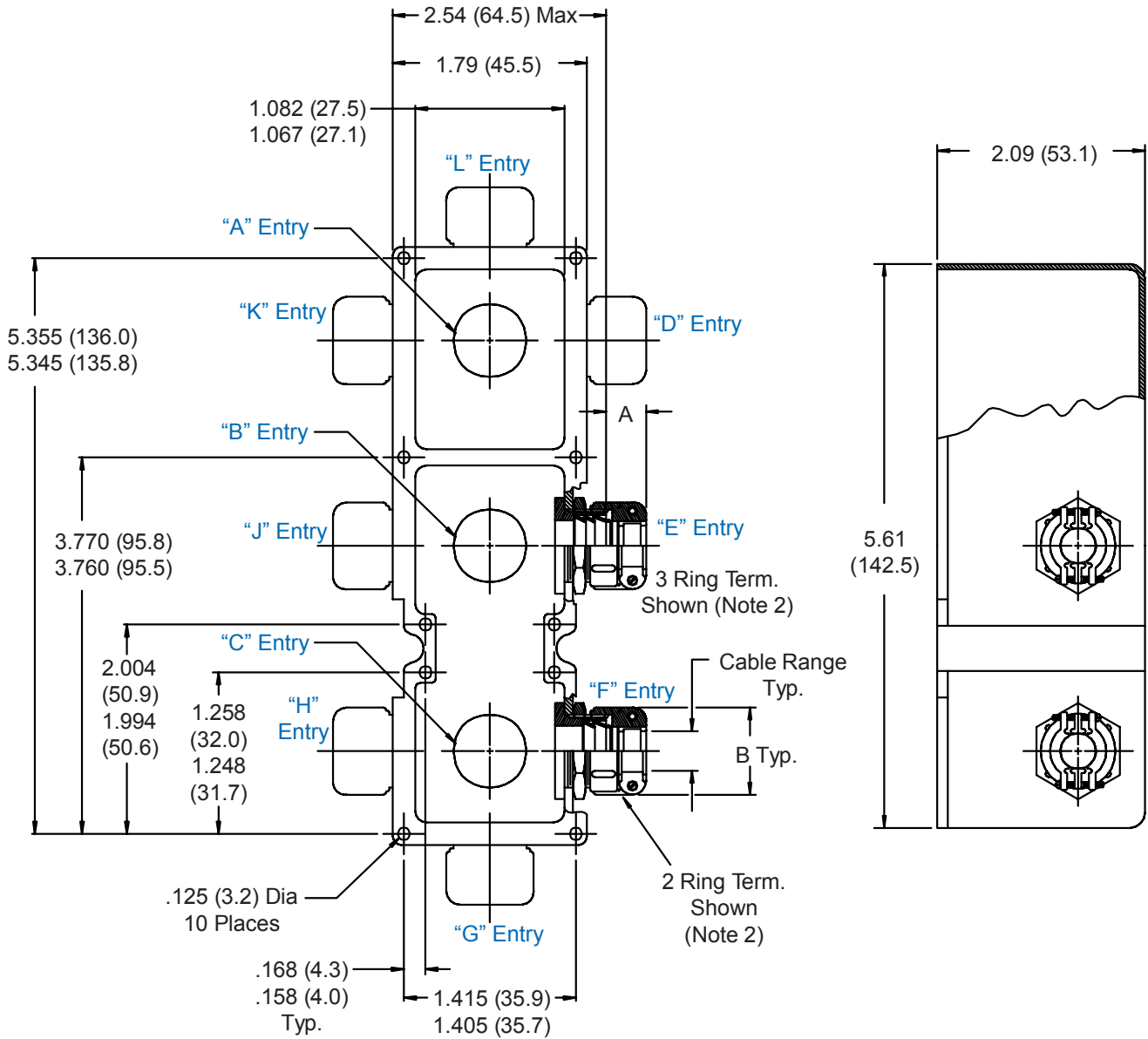


# 527-025 Strain Relief Backshell for Size 2 ARINC 600 Series Connectors

**527-025 NF P1 A08 C12 D12 T S**

Basic Part No. \_\_\_\_\_  
 Finish (Table II) \_\_\_\_\_  
 Connector Designator (Table III) \_\_\_\_\_  
 Entry Location (A, B, C, D, E, F, G, H, J, K, L)  
 and Dash No. (Table I), 3 Entry Combinations Max

S = Safety Wire Holes on Hex Locknuts, Omit For None  
 Termination Style (Note 2)  
 D = 2 Ring, T = 3 Ring



Metric dimensions (mm) are indicated in parentheses.

**527-025**  
**Strain Relief Backshell**  
for Size 2 ARINC 600 Series Connectors



**TABLE I: CABLE ENTRY**

| Dash No. | A     |        | B     |        | Cable Range |                    |
|----------|-------|--------|-------|--------|-------------|--------------------|
|          | Max   |        | Max   |        | Min         | Max                |
| 03       | .760  | (19.3) | .844  | (21.4) | .157        | (4.0) .250 (6.4)   |
| 04       | .760  | (19.3) | .906  | (23.0) | .187        | (4.7) .312 (7.9)   |
| 06       | .760  | (19.3) | 1.093 | (27.8) | .281        | (7.1) .437 (11.1)  |
| 08       | .760  | (19.3) | 1.187 | (30.1) | .344        | (8.7) .562 (14.3)  |
| 10       | .760  | (19.3) | 1.281 | (32.5) | .375        | (9.5) .625 (15.9)  |
| 12       | .760  | (19.3) | 1.500 | (38.1) | .438        | (11.1) .750 (19.1) |
| 16       | 1.073 | (27.3) | 1.719 | (43.7) | .562        | (14.3) .938 (23.8) |

**TABLE II: FINISH OPTIONS**

| Symbol | Finish  | Symbol | Finish   |
|--------|---|--------|--|
| B      | Cadmium Plate/Olive Drab                                | NC     | Zinc Cobalt/Dark Olive Drab                      |
| C*     | Black Anodize   | NF     | Cadmium Plate/Olive Drab over Electroless Nickel |
| G*     | Anodic Hard Coat  | T      | Cadmium Plate/Bright over Electroless Nickel     |
| J      | Gold Iridite over Cadmium Plate over Electroless Nickel | U**    | Cadmium Plate/Black                              |
| LF     | Cadmium Plate/Bright over Electroless Nickel            | ZN     | Zinc-Nickel Alloy/Olive Drab                     |
| M      | Electroless Nickel                                      |        |  |
| N      | Cadmium Plate/Olive Drab over Electroless Nickel        |        |  |

\*Anodize finish is not suitable for EMI shielding or grounding applications.  
\*\*Applicable to corrosion resisting steel backshells and accessories. Consult factory for other available finishes.

**TABLE III: CONNECTOR DESIGNATOR**

ARINC 600 series connector backshells are designed to replace the insert retainer plates. Due to non-standard modifications by the connector manufacturer, the backshell may require special design alterations to mate properly. The following should be used to determine if a backshell modification is required. Prior to ordering, consult factory with connector part numbers not shown to ensure a proper fit.

| Connector Designator | Connector Description  |
|----------------------|--|
| P                    | All Manufacturer's Plug and Receptacle Shells, Except for Those Listed Below (Prior to ordering, consult factory with connector part numbers not listed below to ensure a proper fit.) |
| P1                   | Cannon BKAD****322 Series Plug   |
| P2                   | Cannon/Radiall Environmental Plug  |
| P3                   | Cannon/Boeing BACC 66 Plug   |
| P5                   | Radial/Boeing BACC66 Plug  |
| P6                   | Cannon BKAC & BKAE XXX322 Series Environmental Plug  |

1. Metric dimensions (mm) are indicated in parentheses.
2. Designate Symbol "T" (3 ring termination) for termination of individual and overall braid. Designate symbol "D" (2 ring termination) for termination of individual or overall braid.
3. Material/Finish:  
Backshell, Nuts, Clamps, Ferrule = Al Alloy/See Table II  
Hardware = SST/Passivate

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