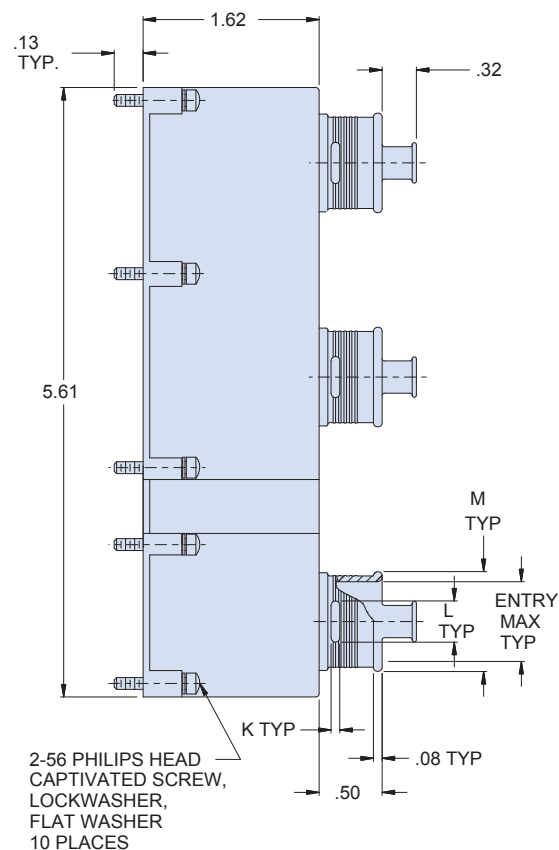
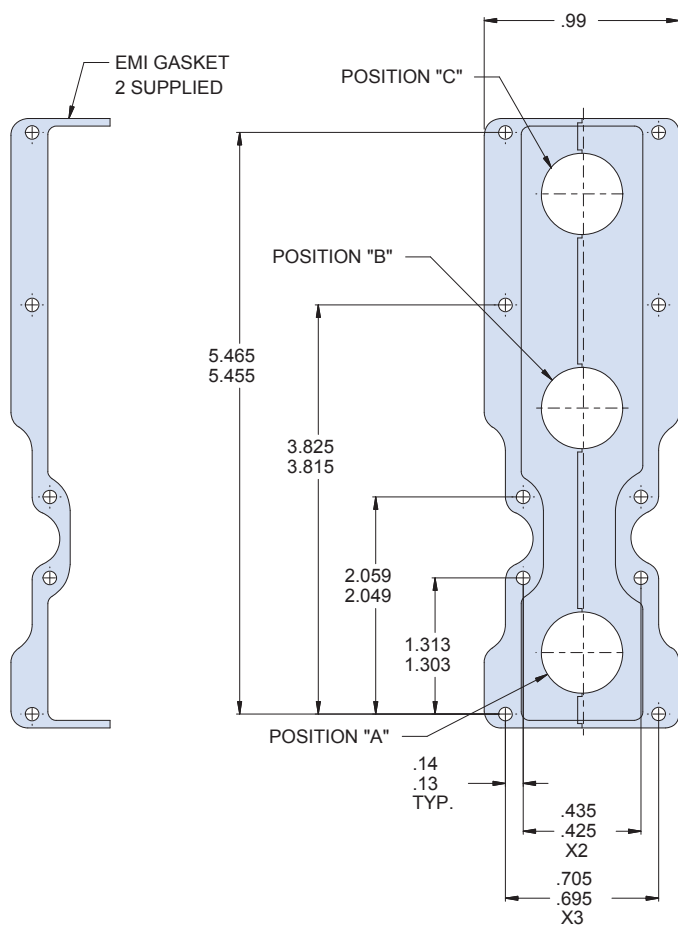
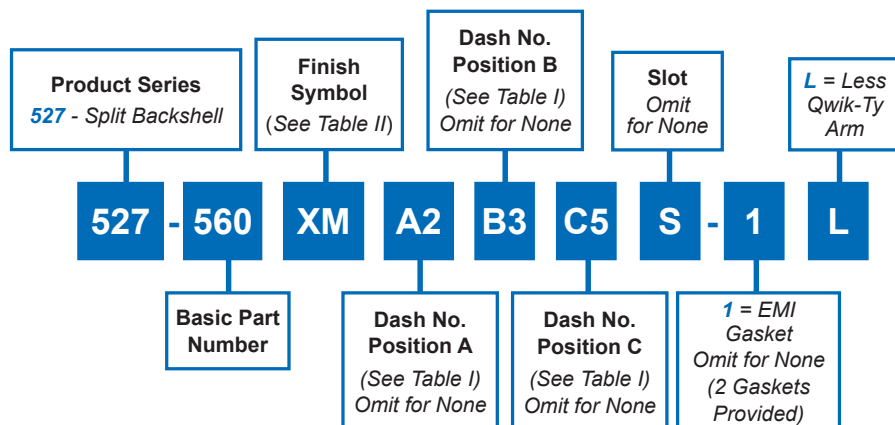


# 527-560

## RFI/EMI Composite Split Backshell Assembly for Size 1 ARINC 600 Series Connector

A



# 527-560

## RFI/EMI Composite Split Backshell Assembly for Size 1 ARINC 600 Series Connector



Composite  
Backshells

A

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 a factory with connector part numbers not shown to ensure a proper fit:

### CONNECTOR DESIGNATOR:

|           |                                                                                                                                                                                       |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>P</b>  | All manufacturers' 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): |
| <b>P1</b> | Cannon BKAD****322 Series Plug                                                                                                                                                        |
| <b>P2</b> | Cannon/Radiall Environmental Plug                                                                                                                                                     |
| <b>P3</b> | Cannon/Boeing BACC66 Plug                                                                                                                                                             |
| <b>P5</b> | Radiall/Boeing BACC66 Plug                                                                                                                                                            |
| <b>P6</b> | Cannon BKAC & BKAE****322 Series Environmental Plug                                                                                                                                   |

TABLE I: Dash Number & Dimensions

| Dash No. | Entry Dia    | K Dim       | L Dim        | M Max         |
|----------|--------------|-------------|--------------|---------------|
| 2        | .250 (6.35)  | .080 (2.03) | .220 (5.59)  | .475 (12.07)  |
| 3        | .380 (9.65)  | .080 (2.03) | .280 (7.11)  | .605 (15.37)  |
| 4        | .500 (12.7)  | .080 (2.03) | .330 (8.38)  | .725 (18.42)  |
| 5        | .630 (16.00) | .080 (2.03) | .420 (10.67) | .855 (21.72)  |
| 6        | .750 (19.05) | .080 (2.03) | .500 (12.70) | .975 (24.77)  |
| 7        | .870 (22.10) | .080 (2.03) | .560 (14.22) | 1.095 (27.81) |

TABLE II: FINISH

| Symbol | Finish Description                                                                     |
|--------|----------------------------------------------------------------------------------------|
| XM     | 2000 Hour Corrosion Resistant Electroless Nickel                                       |
| XB     | No Plating, Black                                                                      |
| XMT    | 2000 Hour Corrosion Resistant Ni-PTFE, Nickel-Fluorocarbon Polymer.<br>1000 Hour Grey™ |
| XW     | 2000 Hour Corrosion Resistant Cadmium/<br>Olive Drab over Electroless Nickel           |

### APPLICATION NOTES

- Assembly identified with manufacturer's name and P/N, space permitting.
- Material/Finish:  
Backshell - High grade engineering thermoplastic/See Table II.  
Gasket - Metex/N.A  
Hardware - CRES/Passivate.
- Existing insert retainer in conjunction with supplied screws.
- Metric dimensions (mm) are indicated in parentheses.