

# 527-248

## EMI/RFI Shield Sock Backshell with Strain-Relief and 30° Cable Entries for Size 3 ARINC 600 Series Connectors

**527 248 NF P**

Product Series

Basic Number

Connector Designator (See Note 2)

P = All manufacturers' Plug  
and Receptacle Shells  
except the following:

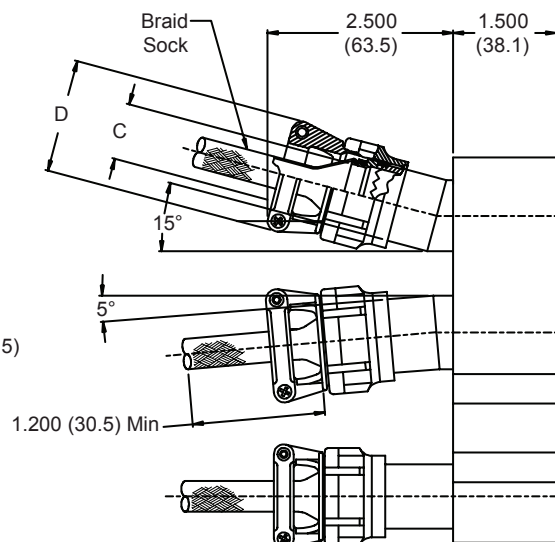
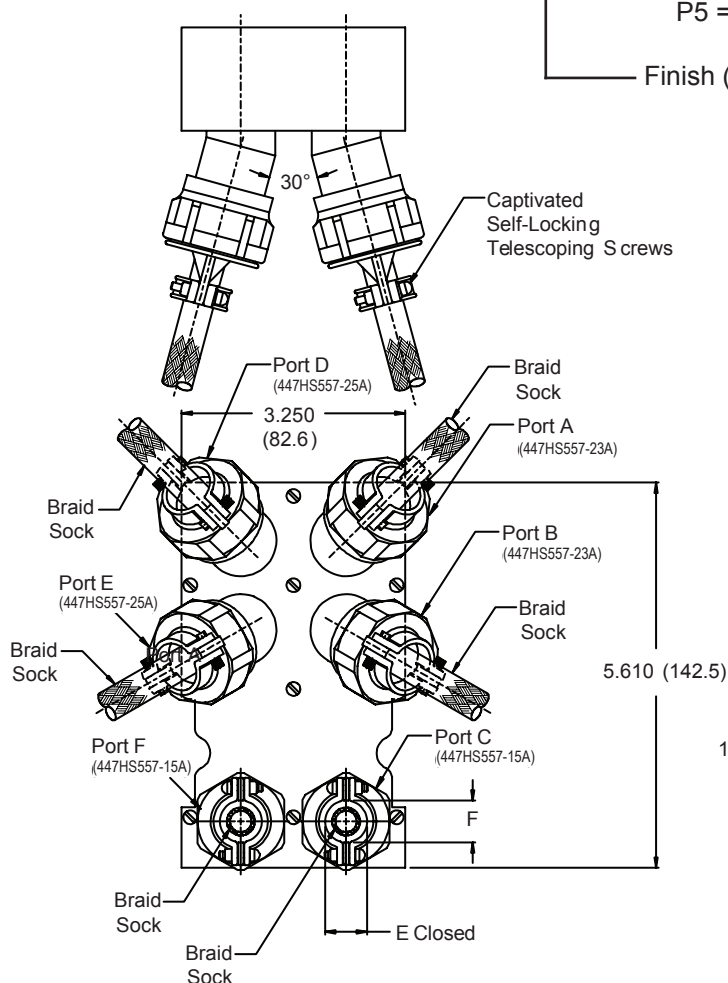
P1 = Cannon BKAD\*\*\*\*322 Series Plug

P2 = Cannon BKAC & BKA E Series  
Environmental Plug

P3 = Cannon/Boeing BACC66 Plug

P5 = Radiall/Boeing BACC66 Plug

Finish (Table II)



Metric dimensions (mm) are indicated in parentheses.

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**EMI/RFI Shield Sock Backshell**  
**with Strain-Relief and 30° Cable Entries**  
**for Size 3 ARINC 600 Series Connectors**



**TABLE I: CABLE ENTRY**

Port	C Min	D Max	E +.031 (0.8)	F Min
A	1.091 (27.7)	1.770 (45.0)	.826 (21.0)	.780 (19.8)
B	1.091 (27.7)	1.770 (45.0)	.826 (21.0)	.780 (19.8)
C	.630 (16.0)	1.300 (33.0)	.460 (11.7)	.470 (11.9)
D	1.217 (30.9)	1.890 (48.0)	.826 (21.0)	.850 (21.6)
E	1.217 (30.9)	1.890 (48.0)	.826 (21.0)	.850 (21.6)
F	.630 (16.0)	1.300 (33.0)	.460 (11.7)	.470 (11.9)

**TABLE II:  
FINISH OPTIONS**

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

\*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/Radial Environmental Plug
P3	Cannon/Boeing BACC 66 Plug
P5	Radial/Boeing BACC66 Plug
P6	Cannon BKAC & BKAE XXX322 Series Environmental Plug

**NOTES:**

1. Metric dimensions (mm) are indicated in parentheses.
2. 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. Prior to ordering, consult factory with connector part numbers not shown in the Part Number Development to ensure a proper fit.