

SMPS Specifications

SMPS Electrical & Mechanical Specifications

Electrical Specifications:

Nominal Impedance: 50 ohms

Frequency Range: DC-65 GHz

Typical VSWR: 1.20 Max thru 26.5 GHz ; 1.5 Max thru 65 GHz

Insulation Resistance: 3,500megohms

DWV (@sea level): 250 Vrms

RF Leakage: -80db to 3 GHz, -65db from 3 to 65 GHz

Mechanical Specifications:

Durability: 100 min (FD) ; 250 min (LD) ; 500 (SB & CM)

Force to Engage: 4 lbs typ (FD) ; 2 lbs typ (SB & CM)

Force to Disengage: 6.0 lbs typ (FD) ; 3 lbs typ (SB & CM)

Contact Retention: 1.5 lbs min.

Minimum Center Line to Center Line Spacing: .078"

Radial Misalignment: +/- .010"

Axial Misalignment: .010" Max

Materials:

Bodies/Shrouds: Beryllium Copper Per ASTM B196 and/or ASTM B197 or Stainless Steel type 303, Condition A .

Outer Contacts: Beryllium Copper Per ASTM B196 or ASTM B197 .

Center Contacts: Beryllium Copper Per ASTM B196 or ASTM B197 .

Insulators: PTFE Fluorocarbon per ASTM D1710 or Torlon per MIL-P-46179

Finishes:

Bodies: Gold Plate per MIL-G-45204, over Nickel Plate per SAE AMS-QQ-N-290 or Passivated per AMS-QQ-P-35 .

Contacts: Gold Plate per MIL-G-45204, over Nickel Plate per SAE AMS-QQ-N-290

Environmental Specifications:

Temperature Range: -65° C to +165° C

Shock: Meets MIL-STD-202 Method 213, Condition I

Vibration: Meets MIL-STD-202 Method 204, Condition D

Altitude: Meets MIL-STD-202, Method 105 Condition C

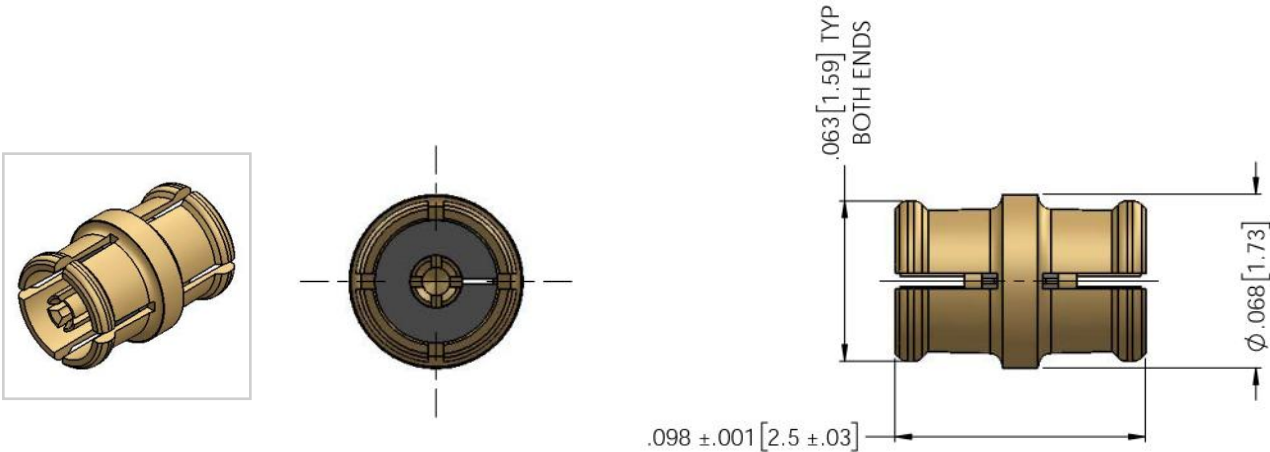
Thermal Shock: Meets MIL-STD-202, Method 107 Condition B

**These specifications are typical and may not apply to all connectors. Detailed specifications for individual connectors are available upon request.*

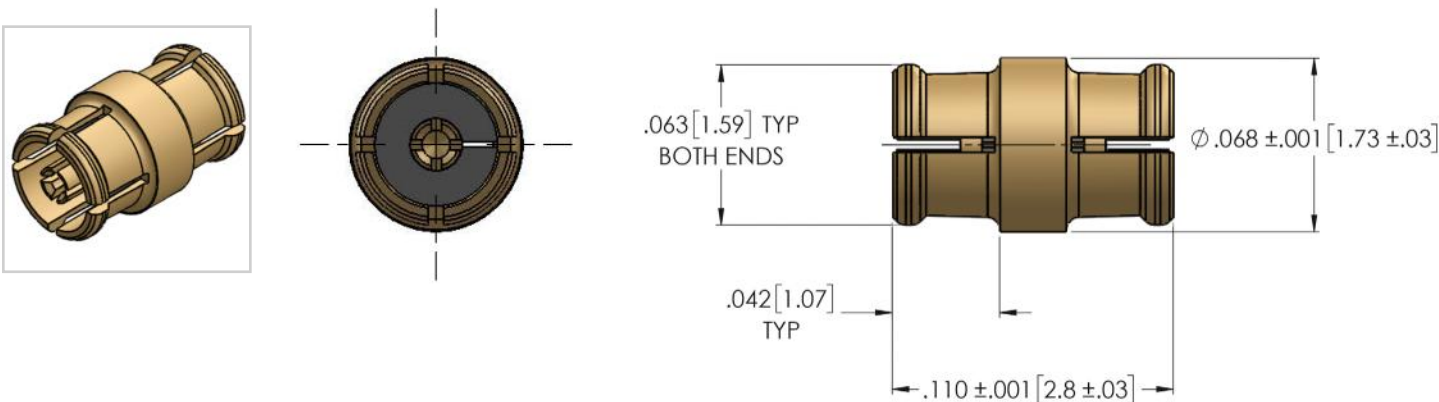


SMPS Connectors

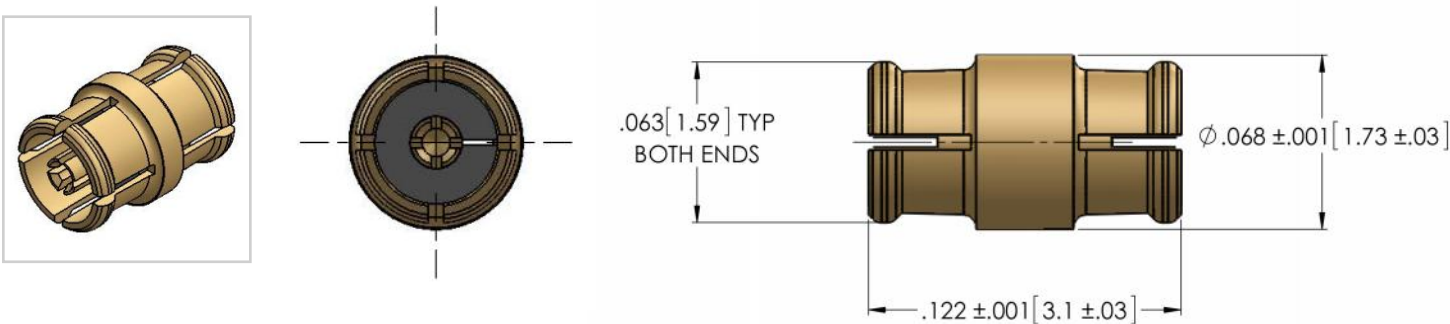
Female to Female Bullet Adapters



SMPS-KK2.5
Female to Female Bullet Adapter



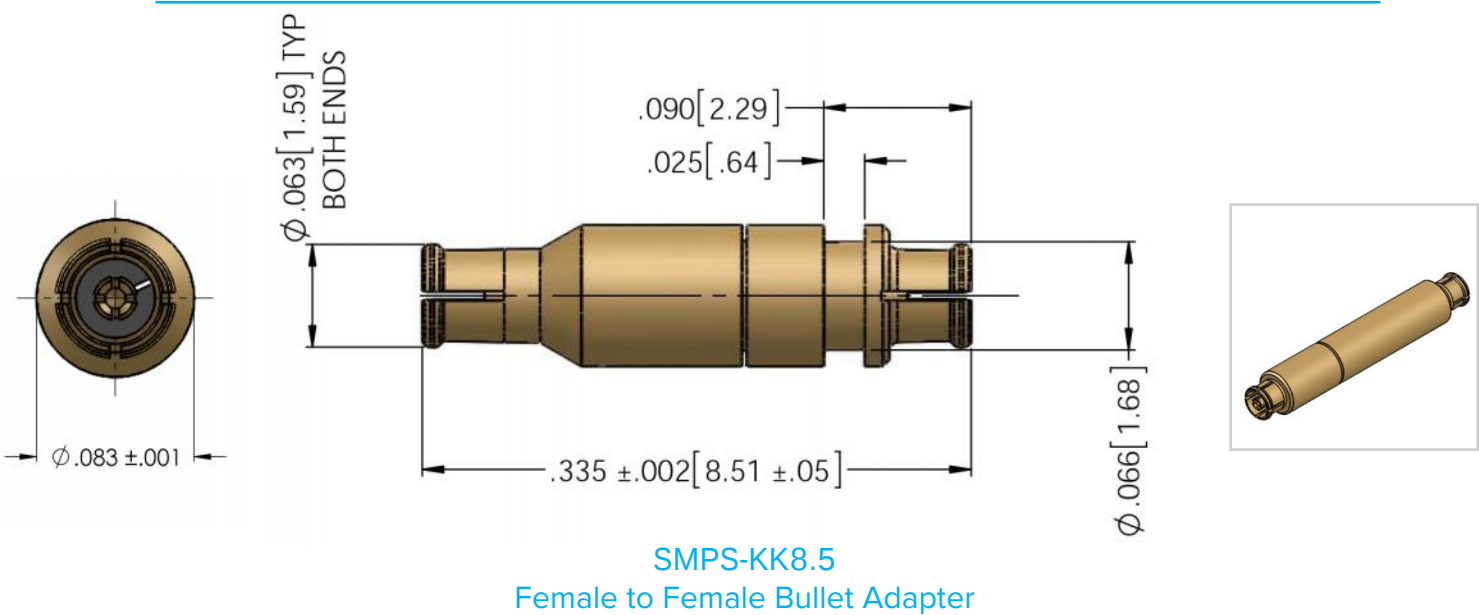
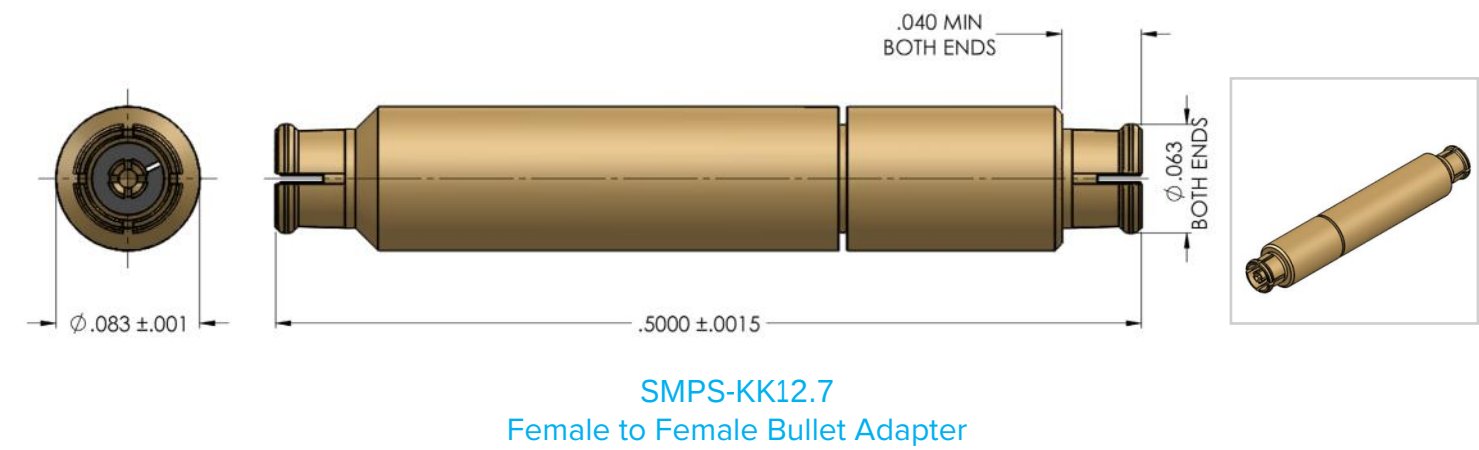
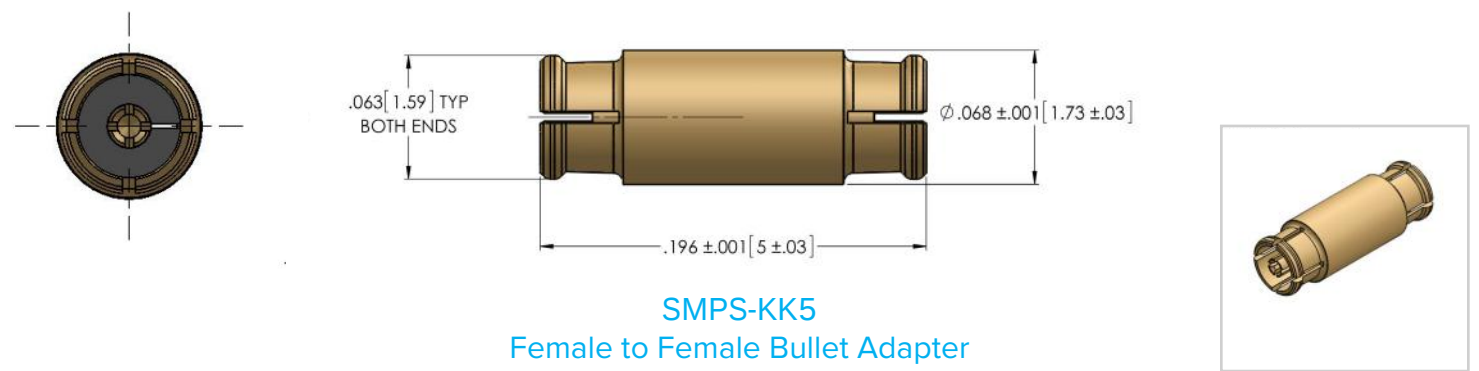
SMPS-KK2.8
Female to Female Bullet Adapter



SMPS-KK3.1
Female to Female Bullet Adapter

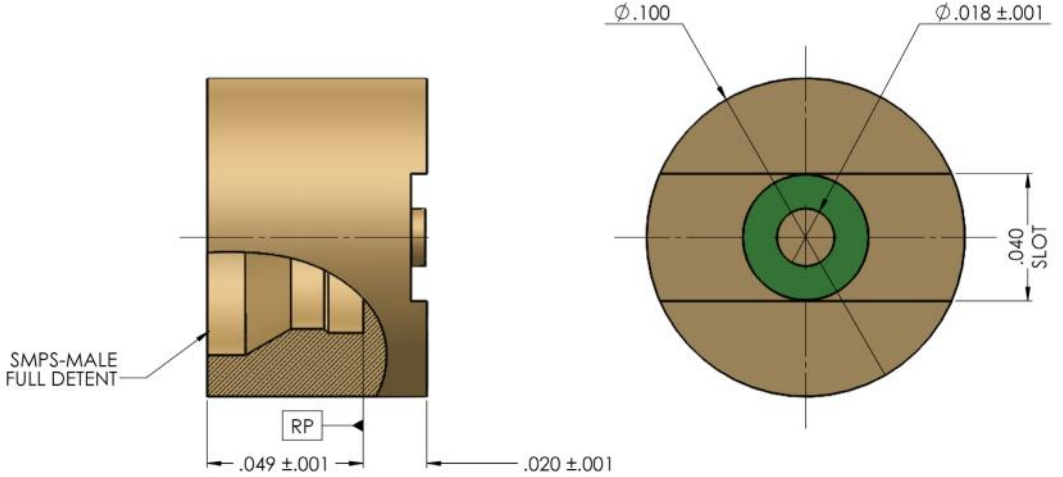
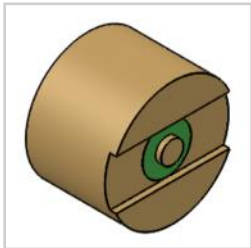
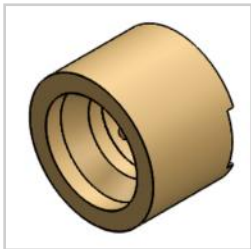
SMPS Connectors

Female to Female Bullet Adapters

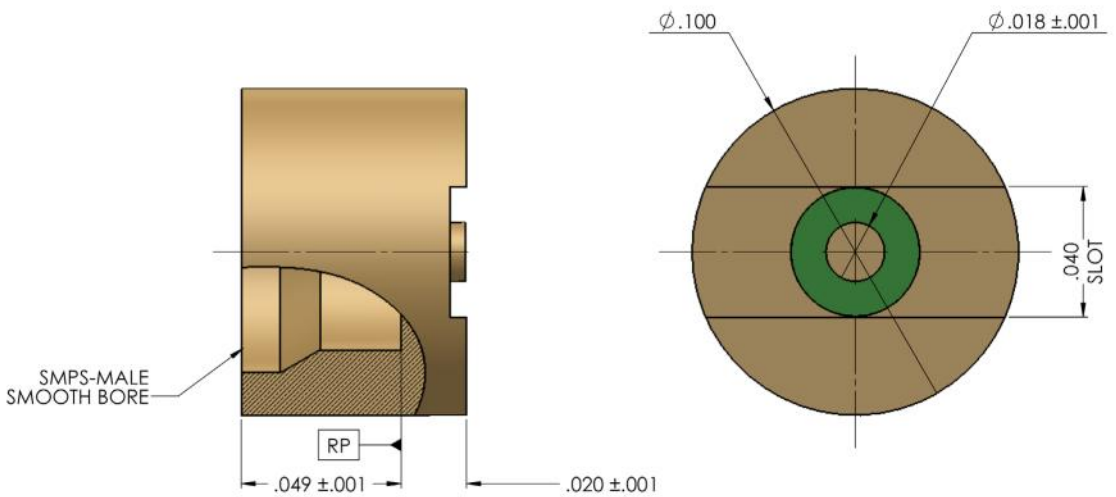
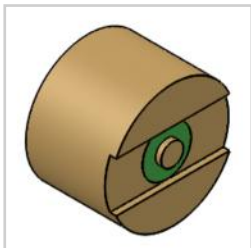
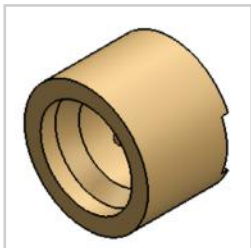


SMPS Connectors

Surface Mount Males



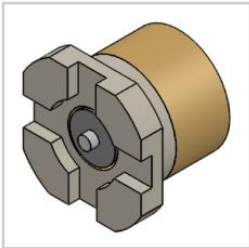
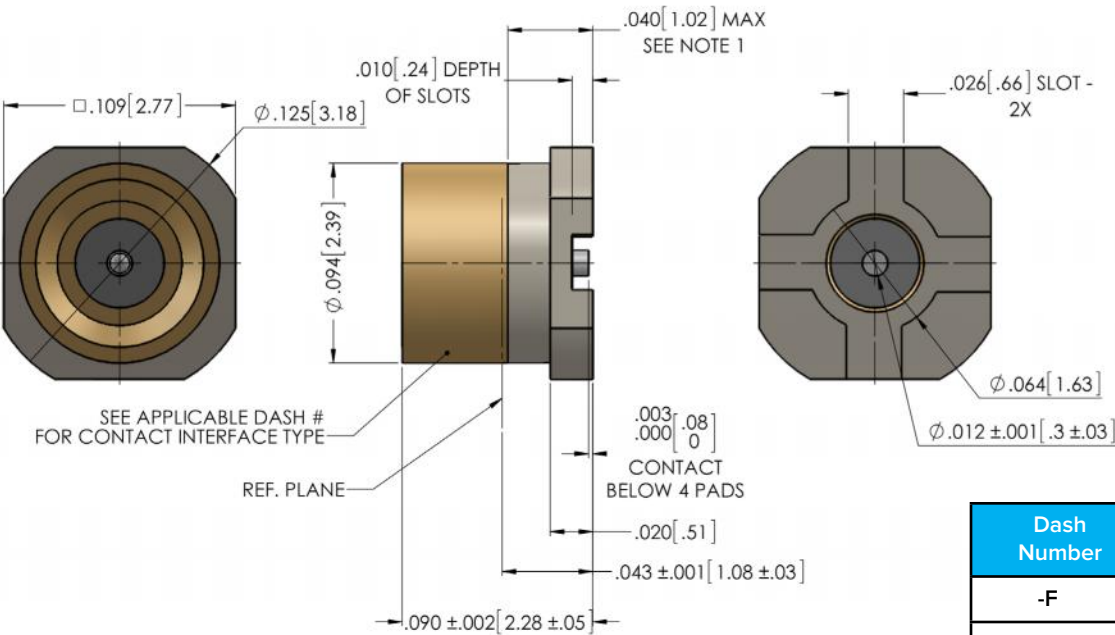
SMPS(M)-JHT-F
Straight PCB Surface Mount Receptacle
Full Detent



SMPS(M)-JHT-S
Straight PCB Surface Mount Receptacle
Smooth Bore

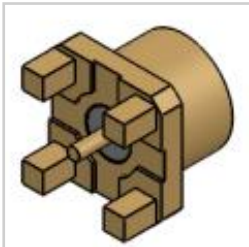
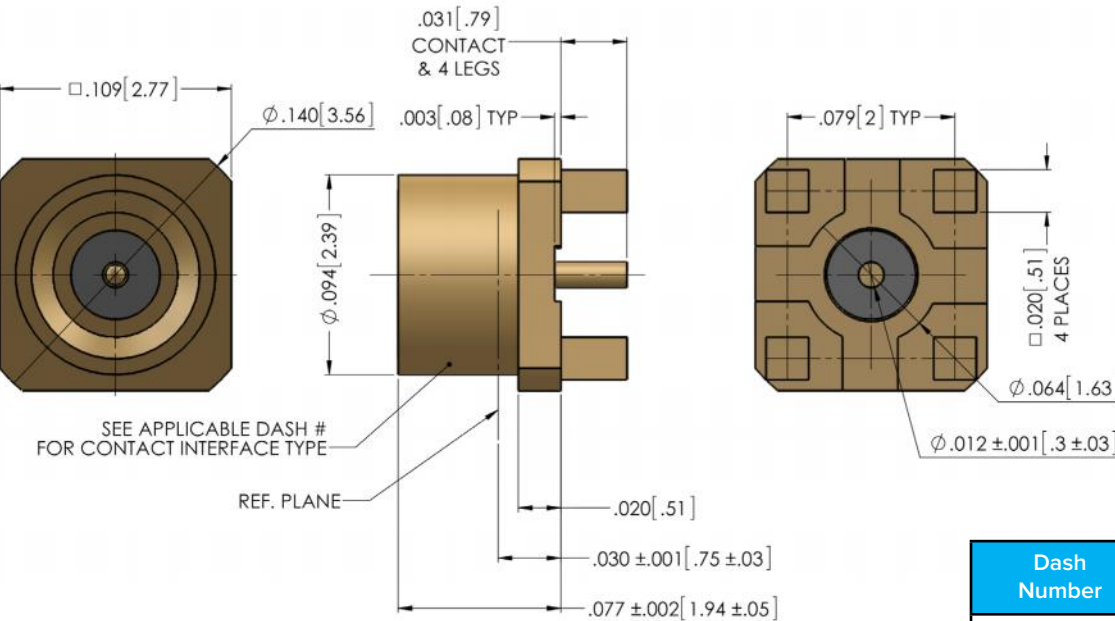
SMPS Connectors

PCB Mounts



Dash Number	Interface
-F	Full Detent (FD)
-S	Smooth Bore (SB)

SMPS-JHTD-S/F
PCB Mount Male - Post Contact

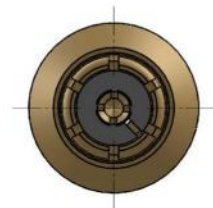
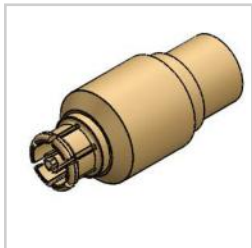


Dash Number	Interface
-S	Smooth Bore (SB)
-F	Full Detent (FD)

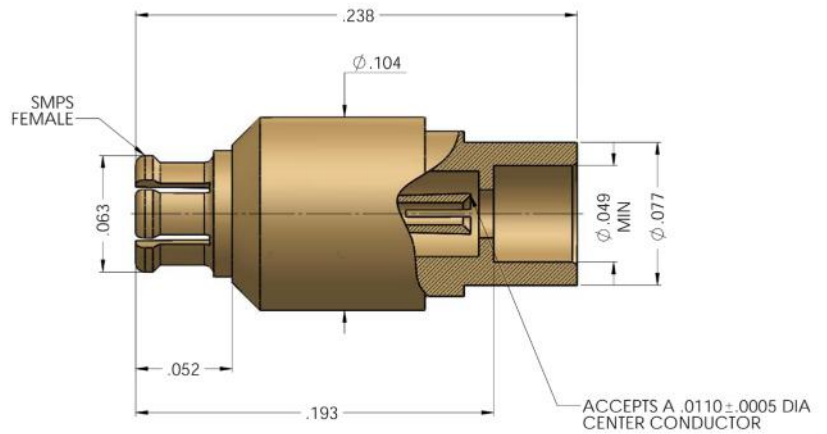
SMPS-JHD-S/F
PCB Mount Male - Post Contact

SMPS Connectors

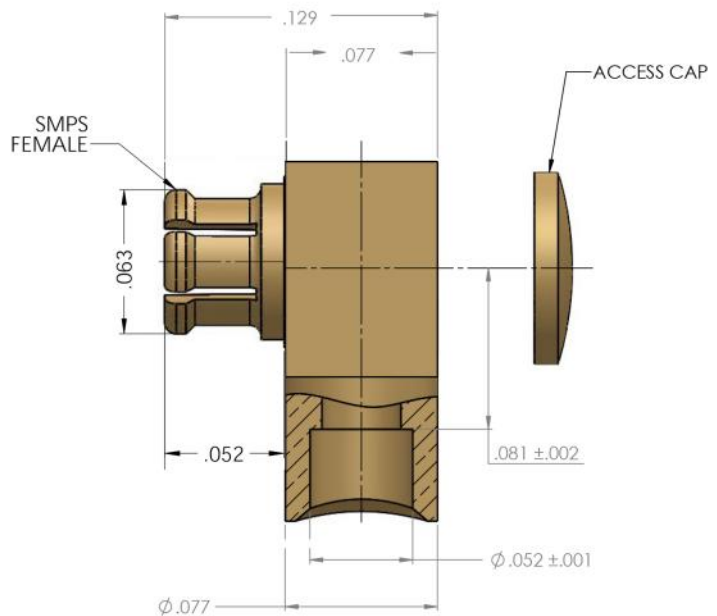
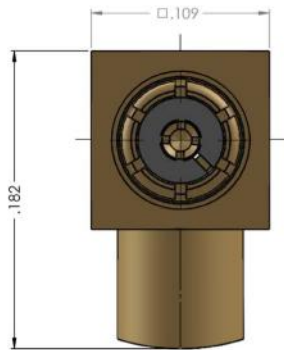
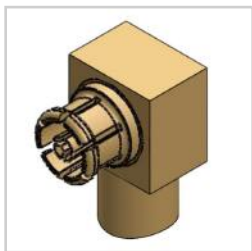
Cable Connectors



SM
FEMALE

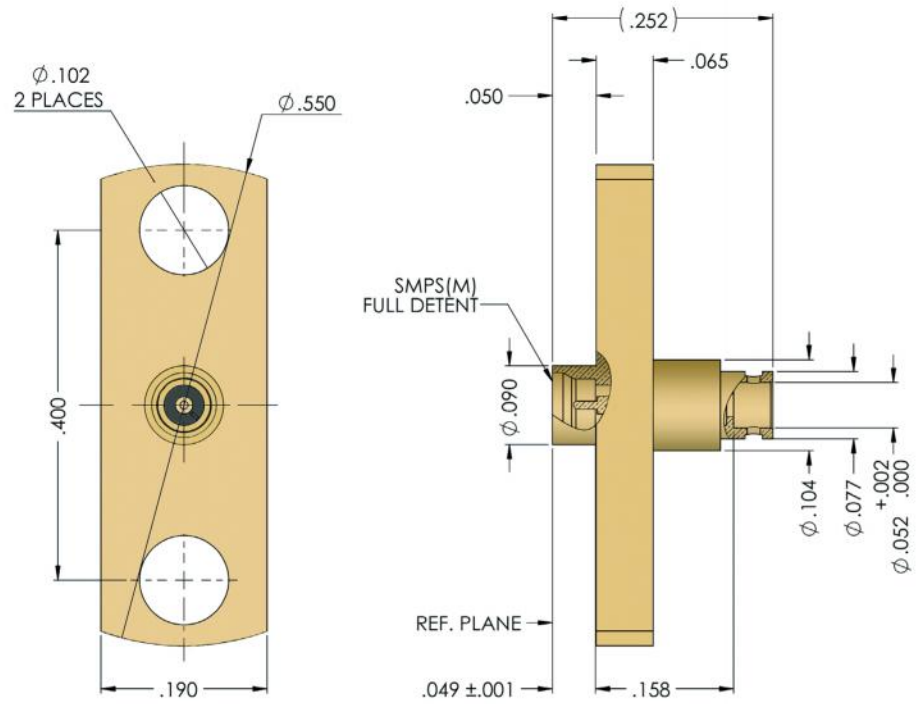


SMPS-K047
Direct Solder Female
.047 SR or Flex Cable



SMPS-KW047
Right Angle Direct Solder
.047 SR or Flex Cable

Cable Connectors



SMPS-KF047
Panel Mount Direct Solder Male
Full Detent .047 SR Cable