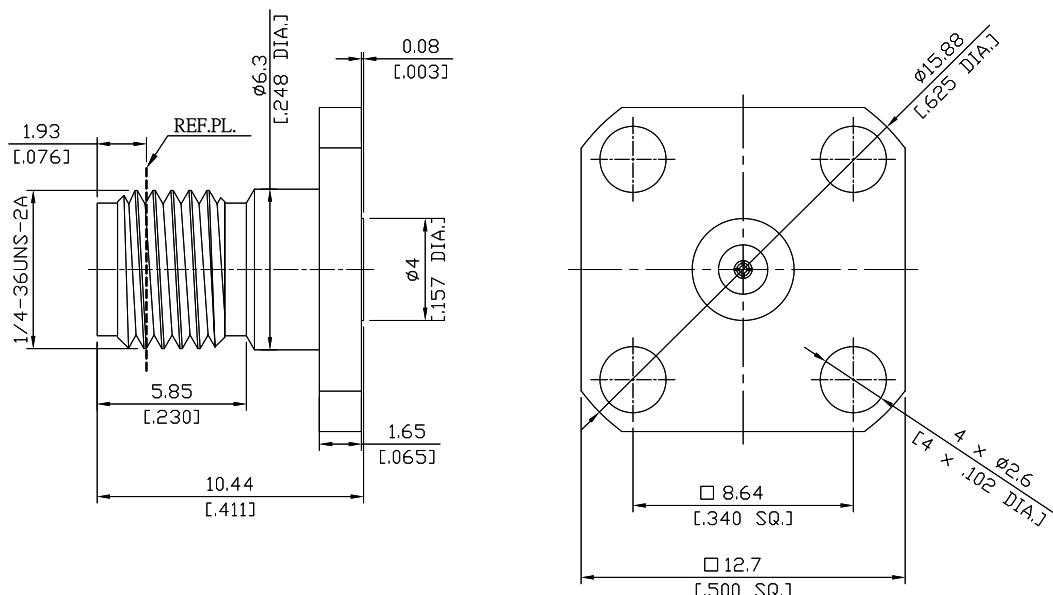


3.5mm Jack (female) Connector 4 hole Straight Field Replaceable  
 8.64mm (.340 inch) Hole Spacing DC-26.5GHz VSWR1.15

**PC2BF50-0012A / 9X**


All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

**Interface**

According to

IEC 60169-23

Mechanical compatible with

2.92mm and SMA

**Electrical Data**

Impedance

50 Ω

Frequency

DC to 26.5 GHz

VSWR (Return Loss)

 ≤ 1.15 ( $\geq 23.13$  dB)

Insertion Loss

 $\leq 0.2 \times \sqrt{f}$  (GHz) dB

Insulation Resistance

 $\geq 5$  GΩ

Center Contact Resistance

 $\leq 3.0$  mΩ

Outer Contact Resistance

 $\leq 2.0$  mΩ

Test Voltage

750 V rms

Working voltage

250 V rms

**Material And Plating**
**Piece Parts**

Centre contact

**Material**

Beryllium Copper

**Plating**

Gold plating, 3 µinch

(Non-magnetic nickel-phosphorus underplating, 80 µinch)

Body

Stainless Steel

Passivated

Insulator

PEI

3.5mm Jack (female) Connector 4 Straight Field Replaceable  
8.64mm (.340 inch) Hole Spacing DC-40GHz VSWR1.15

**PC2BF50-0020A / 9X**

**Mechanical Data**

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Captivated Type	Mechanical
Center Contact Captivation: axial	≥ 20 N
Coupling Test Torque	1.70 Nm
Recommended Torque	0.80 Nm to 1.10 Nm

**Environmental Data**

Temperature Range	-65°C to +155°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond.D
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture Resistance	MIL-STD-202, Meth. 106
RoHS	compliant

**Packing**

Single or 100