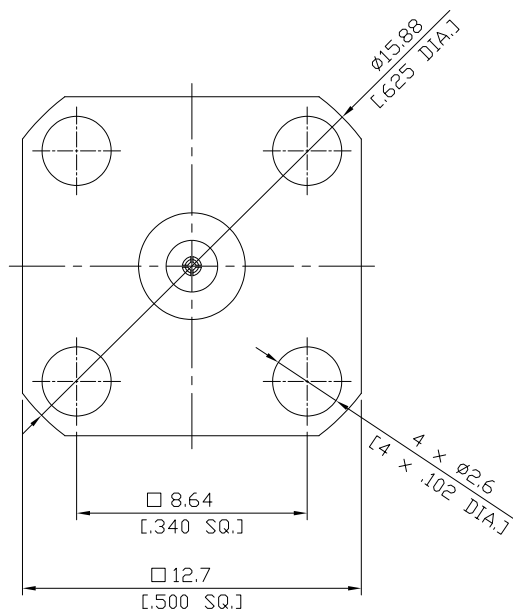
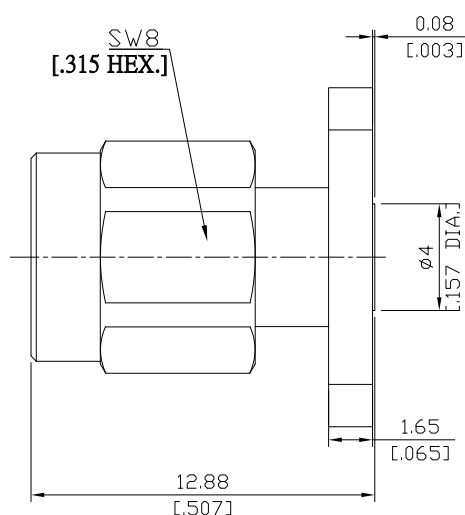


3.5mm Plug (male) Connector 4 Straight Field Replaceable
8.64mm (.340 inch) Hole Spacing DC-26.5GHz VSWR1.15

PC1BF50-0020A / 9XX



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

Mechanical compatible with

IEC 60169-23

2.92mm and SMA

Electrical Data

Impedance

50 Ω

Frequency

DC to 26.5 GHz

VSWR (Return Loss)

≤ 1.15 (≥ 23.13 dB)

Insertion Loss

≤ 0.2 x √F (GHz) dB

Insulation Resistance

≥ 5 GΩ

Center Contact Resistance

≤ 3.0 mΩ

Outer Contact Resistance

≤ 2.0 mΩ

Test Voltage

750 V rms

Working voltage

250 V rms

Material And Plating

Piece Parts	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Stainless Steel	Passivated
Insulator	PEI	
Coupling nut	Stainless Steel	Passivated

P/N	Accept Pin mm [inch]
PC1BF50-0036A/9XX	0.91 [.036]
PC1BF50-0020A/9XX	0.51 [.020]
PC1BF50-0018A/9XX	0.46 [.018]
PC1BF50-0015A/9XX	0.38 [.015]
PC1BF50-0012A/9XX	0.30 [.012]
PC1BF50-0009A/9XX	0.23 [.009]

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

PC1BF50-0020A / 9XX

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