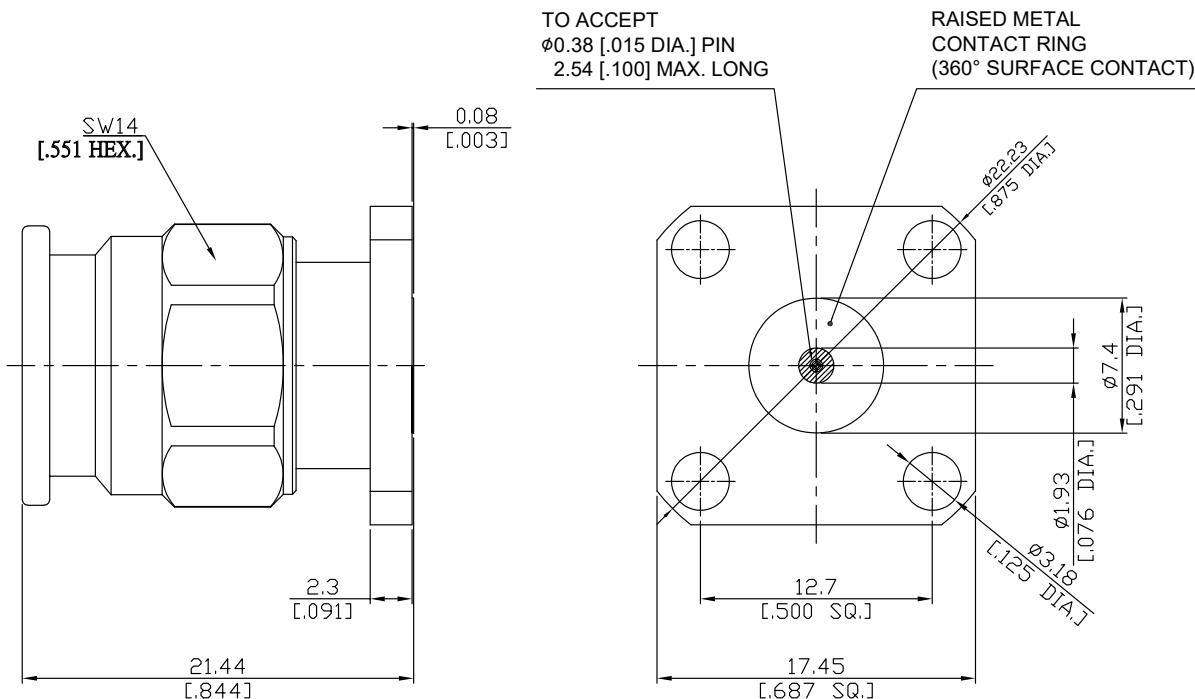


Precision TNC Plug (male) Connector 4 Straight Field Replaceable  
0.38 mm [.015 inch] Pin 17.45 mm [.687 inch] Flange Size, DC-18GHz VSWR 1.25

## PCT1BF50-0015B / 9XX



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

### Interface

According to

IEC 60169-26; MIL-STD-348B/313

### Electrical Data

Impedance

50 Ω

Frequency

DC to 18 GHz

VSWR (Return loss)

≤ 1.25 (≥ 19.08 dB)

Insertion Loss

≤ 0.05 x √F (GHz) dB

Insulation Resistance

≥ 5 GΩ

Center Contact Resistance

≤ 1.5 mΩ

Outer Contact Resistance

≤ 1 mΩ

Test Voltage

1500 V rms

Working voltage

500 V rms

Power handling

≤ 80 W @ 2 GHz

### Material And Plating

#### Piece Parts

#### Material

#### Plating

Centre contact

Beryllium Copper

Gold plating, 3 µinch

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

Body

Stainless Steel

Passivated

Insulator

PTFE

Gasket

Silicone Rubber

Coupling nut

Stainless Steel

Passivated

The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Rev.:-

Date:

JUL/16/2021

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N-CAGE Code: SFKK0 / ISO9001 Certified

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## PCT1BF50-0015B / 9XX

### Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Captivated Type	Mechanical
Center Contact Captivation: axial	≥ 15 N
Coupling Test Torque	1.70 Nm
Recommended Torque	0.46 Nm to 0.69 Nm

### Environmental Data

Temperature Range	-55°C to +165°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. B
Shock	MIL-STD-202, Meth. 213, Cond. G
Moisture Resistance	MIL-STD-202, Meth. 106
RoHS	compliant

### Packing

Single or 100