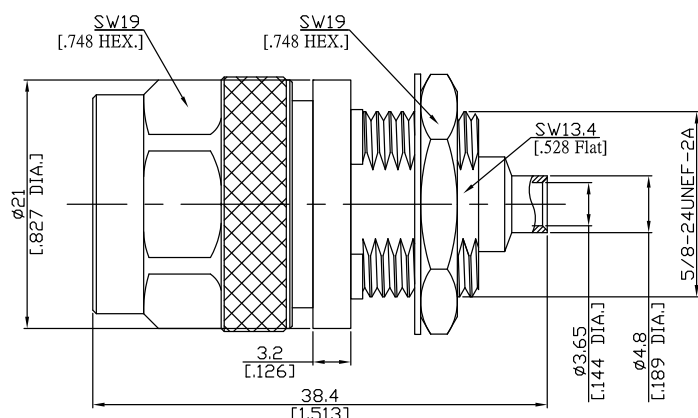


Precision N Plug (Male) Connector Cable Entry: Solder Contact Pin:
Plug-in Attachment Bulkhead Mount For .141" Cables, DC-18GHz VSWR1.2

PCN1E50-0141A / 8XX



MOUNTING DIMENSIONS

	mm		inch	
	MAX.	MIN.	MAX.	MIN.
A	16.1	16	.634	.630
B	13.7	13.6	.539	.535

All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 61169-16; MIL-STD-348B/304

Electrical Data

Impedance	50 Ω
Frequency	DC to 18 GHz
VSWR (Return Loss)	≤ 1.20 (≥ 20.83 dB)
Insertion Loss	$\leq 0.05 \times \sqrt{f}$ (GHz) dB
Insulation Resistance	$\geq 5 \times 10^3$ M Ω
Center Contact Resistance	≤ 1 m Ω
Outer Contact Resistance	≤ 0.25 m Ω
Working Voltage (at sea level)	1000 V rms
RF-leakage	≥ 90 dB up to 1 GH

Material And Plating

Piece Parts	Material	Plating
Centre contact	Beryllium Copper	Silver
Body	Stainless Steel	Passivated
Insulator	PTFE	
Coupling nut	Stainless Steel	Passivated
Washer	Stainless Steel	Passivated

PCN Plug (Male) Connector Cable Entry: Solder Contact Pin:
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Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Center Contact	Soldered
Cable entry	Soldered
Center Contact Captivation: axial	≥ 28 N
radial	≥ 3 Ncm
Coupling Test Torque	max. 1.7 Nm
Recommended Torque	0.7 Nm to 1.1 Nm

Environmental Data

Temperature Range	-65°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.D
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture Resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Packing

Single or 100