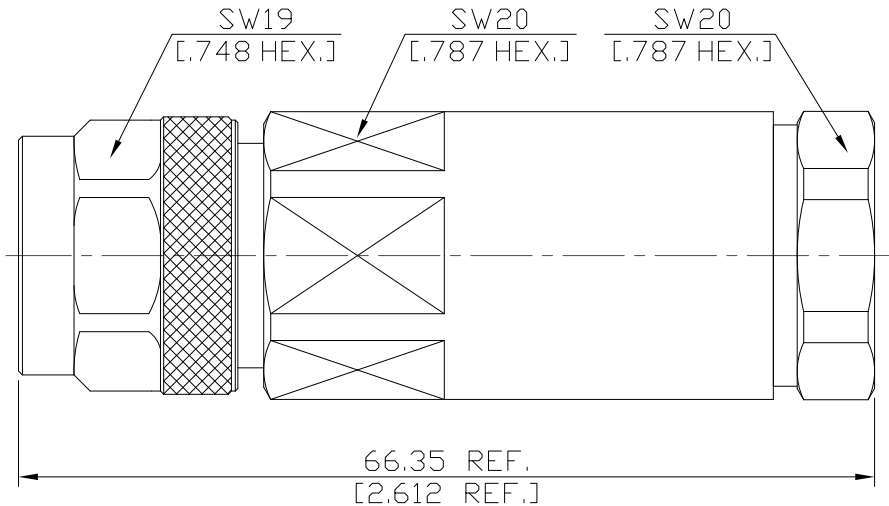


N Plug (Male) Connector Clamp / Contact Pin Solder Attachment
for 1/2 in LDF4-50A cable, 8.8 GHz, VSWR 1.29

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All dimensions are in mm [inch]
Tolerances according to DIN ISO 2768-mH

Interface

According to IEC 60169-16; MIL-STD-348B/304; CECC 22210; MIL-PRF-39012

Electrical Data

Impedance	50 Ω	
Frequency	DC to 8.8 GHz	
VSWR (Return Loss)	≤ 1.29 (≥ 17.95 dB)	
Insertion Loss	≤ 0.05	
Insulation Resistance	≥ 5 x 10 ³ MΩ	
Center Contact Resistance	≤ 1 mΩ	
Outer Contact Resistance	≤ 0.25 mΩ	
Working Voltage (at sea level)	500 V rms	
Power Handling	1000 W @ 1 GHz	700 W @ 2 GHz

-VSWR in application depends decisive on cable assembly process-

Material And Plating

Piece Parts	Material	Plating
Centre contact	Brass	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Coupling nut	Brass	Copper-Tin-Zinc Alloy
Gasket	Silicone Rubber	

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Mechanical Data

Coupling mechanisms	Screw-On
Mating Cycles	≥ 500
Center Contact	Soldered
Cable entry	Clamped
Center Contact Captivation	≥ 28 N
Coupling Test Torque	max. 1.7 Nm
Recommended Torque	1.0 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. B
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture Resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Packing

Single or 100