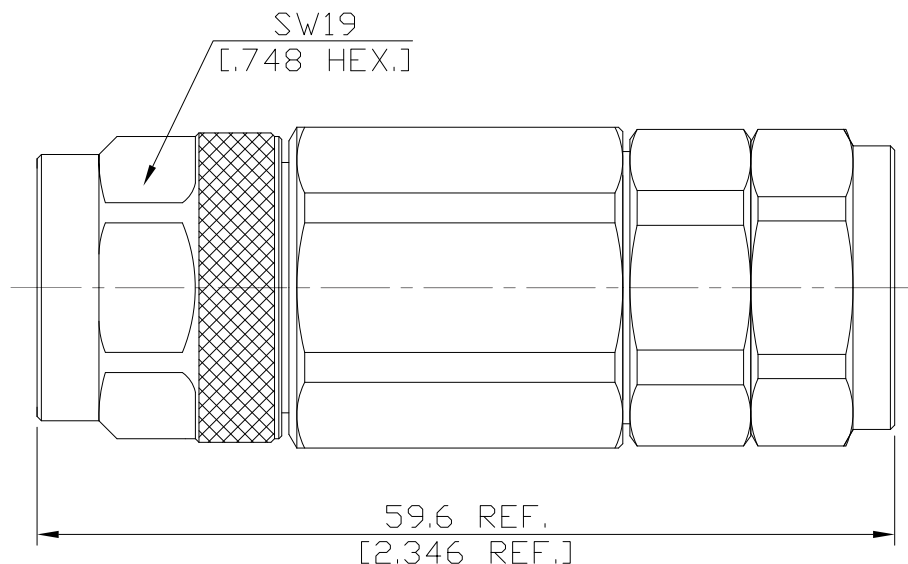


N Plug (Male) Straight Connector, Clamp / Contact Pin Plug-in Attachment for
1/2" CELLFLEX® LCF12 Coaxial Cables, DC-8GHz

N1D50-LCF12-50J / H33



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 60169-16; MIL-STD-348B/304; CECC22210; MIL-PRF-39012

Electrical Data

Impedance

50 Ω

Frequency

DC to 8 GHz

VSWR (Return Loss)

≤ 1.25 (≥ 19.08 dB)

Insertion loss

≤ 0.05 dB

Insulation Resistance

≥ 5 GΩ

Center Contact Resistance

≤ 1 mΩ

Outer Contact Resistance

≤ 0.25 mΩ

Working Voltage(at sea level)

500 V rms

Power Handling (at 20 °C, sea level, VSWR 1.0)

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	Phosphor Bronze	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Brass	Nickel
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling Nut	Brass	Nickel

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Mechanical Data

Coupling Mechanisms	Screw-On
Mating Cycles	≥ 500
Coupling Nut Retention	≥450N
Center Contact Captivation: axial	≥ 28 N
radial	≥ 3 Ncm
Centre Contact	Plug-in
Cable Entry	Clamped
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

Suitable Cables

LCF12-50J

Packing

Single or 100