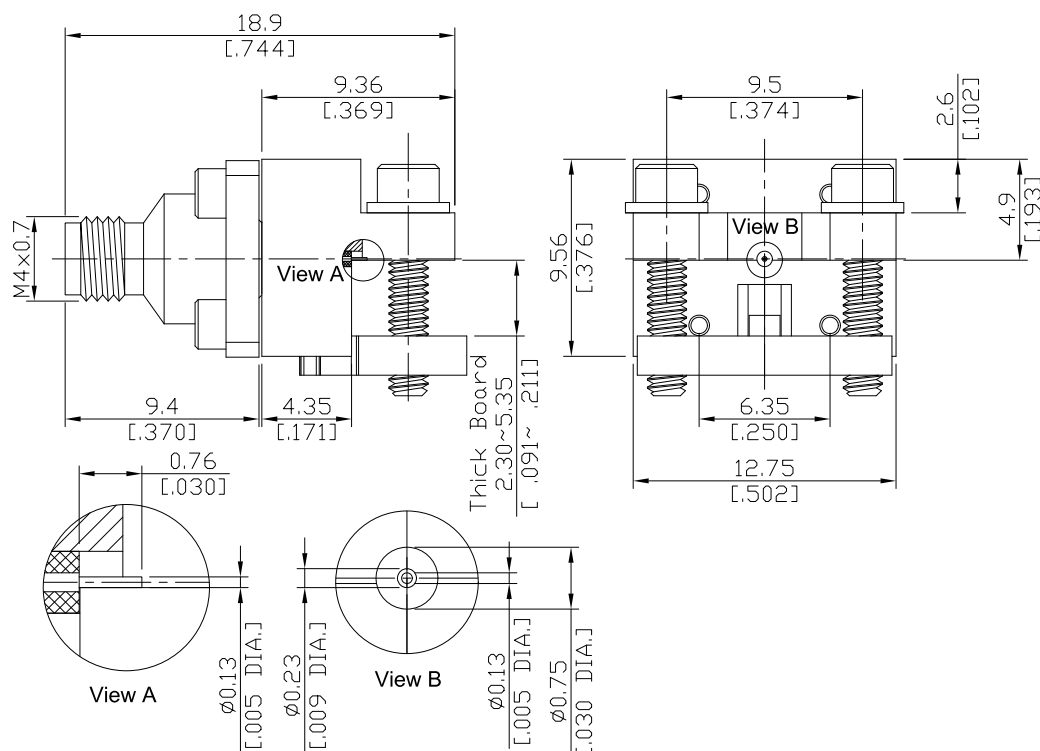


1.0 mm Jack (Female) Connector, Removable End Launch PCB, Low Profile,
Thick Board 5.35 mm (.211 in), DC - 110 GHz

W2HA50-1890B1-LP / 9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 61169-31, IEEE Std 287

Electrical Data

Impedance

50 Ω

Frequency

DC to 110 GHz

VSWR (Return Loss)

≤ 1.4 (≥ 15.56 dB)

Insertion Loss

≤ 0.05 x √F (GHz) dB

Insulation Resistance

≥ 5 GΩ

Proof Voltage

500 V rms or as limited by used cable

Working Voltage

150 V rms or as limited by used cable

RF-leakage

≥ 90 dB up to 1 GHz

Material and Plating

Connector Parts (1.00mm Connector)

Centre contact

Beryllium Copper

Plating

Gold plating

Body

Stainless Steel

Passivated

Insulator

PEI

Connector parts (Transition Block)

Launch Pin

Beryllium Copper

Plating

Gold plating

Transition Block

Stainless Steel

Passivated

Transition Block Insulator

PTFE

1.0 mm Jack (Female) Connector, Removable End Launch PCB, Low Profile,
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Mechanical Data

Coupling Mechanisms	Screw-On
Mating Cycles	≥ 500
Board Mounting Type	End Launch
Center Contact Captivation: axial	≥ 10 N
Coupling Test Torque	0.7 Nm
Recommended Torque	0.30 Nm to 0.41 Nm

Environmental Data

Temperature Range	-55°C to +125°C
Thermal Shock	IEC 61169-1, Subclause 9.4.4
Corrosion	IEC 61169-1, Subclause 9.4.6
Vibration	IEC 61169-1, Subclause 9.3.3
Shock	IEC 61169-1, Subclause 9.3.14
Moisture Resistance	IEC 61169-1, Subclause 9.4.3
RoHS	Compliant

Packing

Single or 100