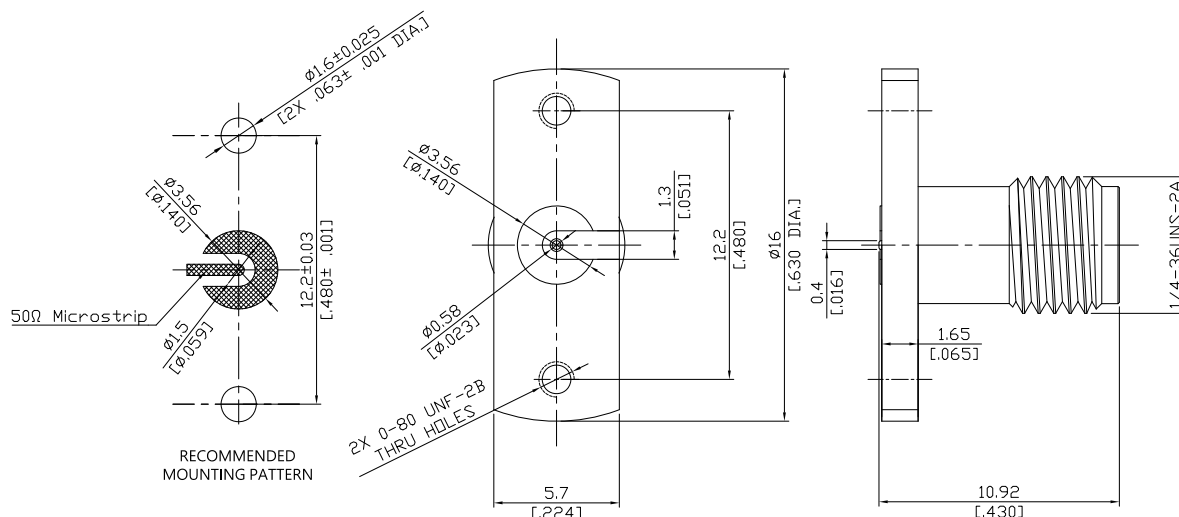


2.92mm Jack (female) Connector Compression Mount
For High Speed Stripline Options DC-40GHz

K2LA50-1092C / 9Q



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 61169-35; IEEE Std 287; MIL-STD-348A/323

Electrical Data

Impedance	50 Ω
Frequency	DC to 40 GHz
VSWR (Return Loss)	≤ 1.43 (≥ 15.04 dB)
Insertion Loss	$\leq 0.04 \times \sqrt{F}$ (GHz) dB
Insulation Resistance	$\geq 5 \text{ G}\Omega$
Test Voltage	750 V rms
Working voltage	250 V rms
RF-leakage	≥ 100 dB up to 1 GHz

- Return loss in application depends decisive on PCB layout -

Material And Plating

Piece Parts	Material	Plating
Centre contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Stainless Steel	Gold plating (Non-magnetic nickel-phosphorus underplating)
Insulator	PEI	

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Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Center Contact Captivation	≥ 20 N
Coupling Test Torque	1.7 Nm
Recommended Torque	0.80 Nm to 1.10 Nm
Typically torque for the screws	0.15 Nm

Environmental Data

Temperature Range	-40°C to +85°C
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition D
Shock	MIL-STD-202, Method 213, Condition I
Moisture Resistance	MIL-STD-202, Method 106
RoHS	compliant

Packing

Single or 100