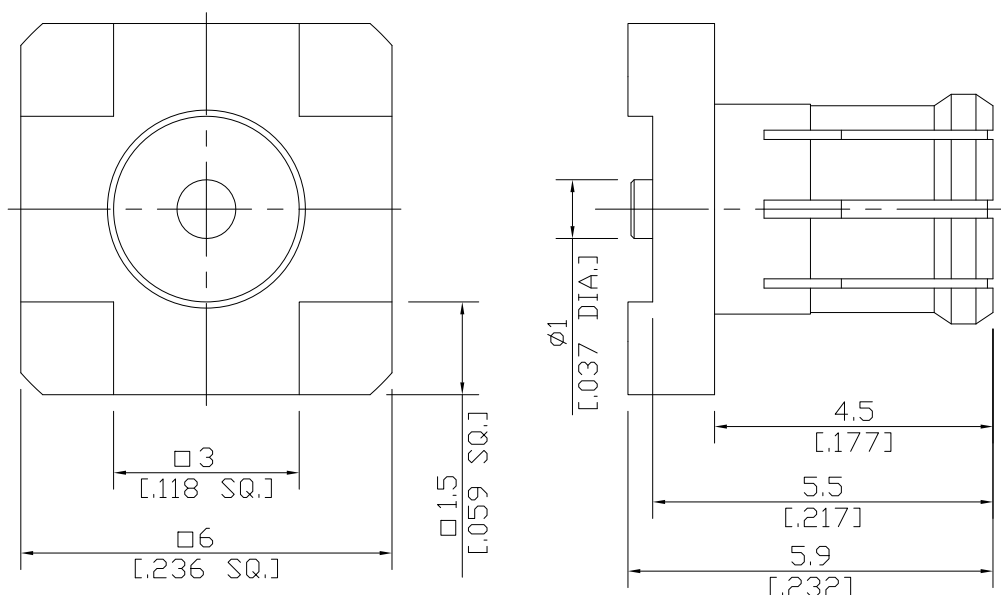


MCX Plug (male) Connector Solder Pin Through Hole PCB
Surface Mount Straight DC-6GHz, VSWR ≤1.20

MCX1I50-0590A / 1H



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 61169-36

Electrical Data

Impedance	50 Ω
Frequency	DC to 6 GHz
VSWR (Return Loss)	≤ 1.20 (≥ 20.83 dB)
Insertion Loss	≤ 0.05 x √F (GHz) dB
Insulation Resistance	≥ 1 GΩ
Center Contact Resistance	≤ 5.0 mΩ
Outer Contact Resistance	≤ 2.5 mΩ
Test Voltage (at sea level)	750 V rms
Working Voltage (at sea level)	335 V rms

Material And Plating

Piece Parts	Material	Plating
Centre Contact	Brass	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Phosphor Bronze	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Insulator	PTFE	

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Mechanical Data

Coupling mechanisms	Snap-lock
Mating Cycles	≥ 500
Engagement Force	≤ 25 N
Disengagement Force	8 N min. to 20 N max.
Center Contact Captivation	≥ 10 N

Environmental Data

Temperature Range	-55°C to +155°C
Thermal shock	CECC 22 220, Chapter 4.6.7
Vibration	CECC 22 220, Chapter 4.6.3
Corrosion	CECC 22 220, Chapter 4.6.10
Moisture resistance	CECC 22 220, Chapter 4.6.6
RoHS	compliant

Packing

Single or 100