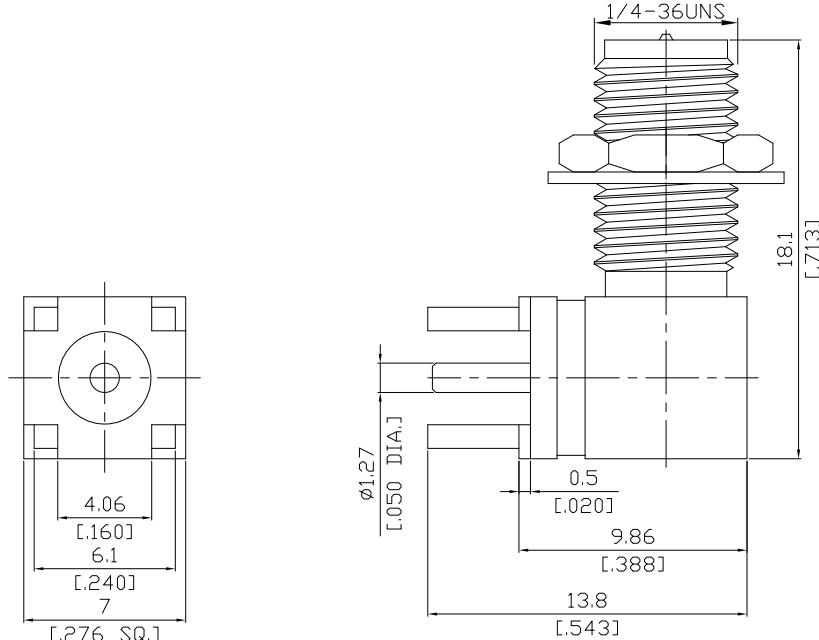


Reverse Polarity SMA jack (RP Female) PCB Through Holes
Right Angle For Bulkhead Jack DC-18 GHz

SMA71A59-1700A / 11



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

Derived from

IEC 60169-15; MIL-STD-348B/310

Electrical Data

Impedance 50 Ω

Frequency DC to 18 GHz

VSWR (Return Loss) $\leq 1.15 + .015F$ (GHz)

Insertion Loss $\leq 0.04 \times \sqrt{F}$ (GHz) dB

Insulation Resistance $\geq 5 \text{ G}\Omega$

Center Contact Resistance $\leq 3 \text{ m}\Omega$

Outer Contact Resistance $\leq 2 \text{ m}\Omega$

Test Voltage (at sea level) 1000 V rms

Working Voltage (at sea level) 480 V rms

- Electrical performance guaranteed for connector only -

Material And Plating

Piece Parts	Material	Plating
Centre contact	Brass	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Brass	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Insulator	PTFE	
Fastening nut	Brass	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Washer	Brass	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)

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Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Center Contact Captivation: axial	≥ 27 N
Coupling Test Torque	1.7 Nm max.
Recommended Torque	0.90 Nm
Board mounting type	Through Holes

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. D
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture Resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Packing

Single or 100