

SMA F RA RP PCB SOLDER

P/N: AT3S4P-62

Product Feature:

- Connector Type : SMA
- Polarity : Reverse Polarity
- Gender : Female/Jack
- Geometry : Right Angle (90°)
- Termination Style : Solder
- Soldered : To PCB
- Application : General Purpose/Telecom etc

The **SMA Female Right-Angle Reverse Polarity (RP) Through-Hole PCB Solder Connector** delivers a low-profile, mechanically rugged interface for wireless hardware. Its **90-degree bend** routes cables parallel to the board, **minimizing vertical clearance**, while the **through-hole legs** anchor deeply into the substrate to absorb heavy mating torque. Featuring a **male center pin inside a female shell**, it ensures strict compliance for regulated antenna ports. It is widely **used in Wi-Fi access points, industrial IoT gateways, smart utility meters, and consumer routers** where **precise 50Ω impedance matching and clean signal propagation** are essential.



Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	Ω
Frequency Range	DC ~ 6	GHz
VSWR	≤ 1.20	@DC-3 GHz
	≤ 1.30	@3-5 GHz
Insertion Loss	≤ 0.2	@DC-4 GHz
Insulation Resistance	≥ 5000	MΩ
Dielectric Withstanding Voltage	≥ 1.0	kVrms (at sea level)
Inner Conductor Resistance	≤ 3.0	mΩ
Outer Conductor Resistance	≤ 2.0	mΩ
Power Handling	350	W @1GHz
RF Leakage	≤ -60	dB @1GHz

Ground floor, Plot No -20, (KH No-160/1,street No-3/2, samta Vihar, Mukandpur Extn., North West Delhi, Delhi-110042

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Technical Data Sheet

Material & Plating		
Component	Material	Plating
Center Conductor	Brass	Gold
Outer Conductor/Body	Brass	Gold
Dielectric	Teflon/PTFE	-
Gasket	Silicone rubber	-

Mechanical & Environmental Specifications		
Parameter	Value	Unit
Durability (Matings)	≥ 500 min.	-
Fastening Type	1/4-36	-
Contact Captivation	≥ 27	N
Soldered On	PCB (Through Hole)	-
Operating Temperature	-50 ~ 125	°C
Compliance	ROHS	-

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