

TNC F RA PCB Solder

P/N: AT3T4P-6

Product Feature:

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

The **TNC Female Right Angle (RA) PCB Solder Connector** is a rugged, **board-mounted** RF interface engineered for high-vibration, low-profile electronics. Its **90° orientation** allows coaxial connections to run parallel to the printed circuit board, **minimizing vertical clearance** inside tight enclosures. Equipped with mechanical mounting legs, it **solders directly to the PCB** to resist heavy mating forces while providing a **stable, low-impedance connection**. It is heavily utilized in **automotive telematics, industrial wireless gateways, heavy machinery control boards, and defense electronics chassis**.



Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	Ω
Frequency Range	DC ~ 6	GHz
VSWR	≤ 1.15	@DC-3 GHz
	≤ 1.25	@3-5 GHz
Insertion Loss	≤ 0.2	@DC-4 GHz
Insulation Resistance	≥ 5000	M Ω
Dielectric Withstanding Voltage	≥ 1.5	kVrms (at sea level)
Inner Conductor Resistance	≤ 1.5	m Ω
Outer Conductor Resistance	≤ 0.2	m Ω
Power Handling	316	W @1GHz
RF Leakage	≤ -55	dB @1GHz



Technical Data Sheet

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

Mechanical & Environmental Specifications		
Parameter	Value	Unit
Durability (Matings)	≥ 500 min.	-
Fastening Type	7/16-28	-
Contact Captivation	≥ 27	N
Soldered On	PCB	-
Operating Temperature	-40 ~ 85	°C
Compliance	ROHS	-