

BNC F PCB Mount Solder

P/N: AT3B2S-4

Product Feature:

- Connector Type : BNC
- Polarity : Standard
- Gender : Female/Jack
- Geometry : Straight
- Termination Style : Solder
- Soldered on: PCB
- Application : General Purpose/Telecom etc

The **BNC Female PCB Mount connector** provides a reliable, low-profile RF interface for direct circuit board integration. Featuring a robust bayonet coupling and dedicated solder pins with mechanical mounting posts, it ensures **excellent stability** and strain relief during frequent mating. Engineered for consistent impedance, it **minimizes signal loss in high-frequency designs**. These connectors are essential for test instrumentation like **oscilloscopes, telecommunications hardware, and medical diagnostic equipment**, where **maintaining signal integrity and shielding against electromagnetic interference** are critical requirements.



Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	Ω
Frequency Range	DC ~ 4	GHz
VSWR	≤ 1.15	@DC-2 GHz
	≤ 1.30	@2-4 GHz
Insertion Loss	≤ 0.2	@DC-4 GHz
Insulation Resistance	≥ 5000	M Ω
Dielectric Withstanding Voltage	≥ 1.5	kVrms
Inner Conductor Resistance	≤ 1.0	m Ω
Outer Conductor Resistance	≤ 0.25	m Ω
Power Handling	300	W @1GHz
RF Leakage	≤ -55	dB @1GHz



Technical Data Sheet

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

Mechanical & Environmental Specifications		
Parameter	Value	Unit
Durability (Matings)	≥ 500 min.	-
Contact Captivation	≥ 27	N
Soldered on	PCB	-
Operating Temperature	-40 ~ 85	°C
Compliance	ROHS	-