

BNC M Solder 4H Panel Mount

P/N: AT3B1S4-4

Product Feature:

- Connector Type : BNC
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Straight (4Hole Flange Type)
- Termination Style : Solder
- Soldered : To PCB/Cable
- Application : General Purpose/Telecom etc



The **BNC Male 4-Hole Panel Mount Solder connector** features a robust **square flange** for **secure, high-stability installation** on chassis or distribution panels. Its four-hole mounting pattern provides **superior resistance to mechanical torque** and vibration compared to standard nut-and-washer designs. Equipped with a solder cup terminal for direct wire integration and a classic bayonet coupling mechanism, it ensures a **reliable, quick-connect RF interface**. This connector is commonly used in **aerospace electronics, professional broadcast racks, and military-grade communication systems** requiring a **durable, permanent external male port**.

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
Fastening Nut	Brass	Tri-Alloy
Dielectric	Teflon/PTFE	-
Gasket	Silicone rubber	-

Mechanical & Environmental Specifications		
Parameter	Value	Unit
Durability (Matings)	≥ 500 min.	-
Contact Captivation	≥ 27	N
Coupling Nut Torque	7 - 28	Ncm
Coupling Nut Retention Force	≥ 450	N
Soldered on	PCB or Cable	-
Operating Temperature	-40 ~ 85	°C
Compliance	ROHS	-