

## BNC F 4H Panel Mount (17.5mm) Solder

P/N: AT3B2S4-Q4

### Product Feature:

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

The **BNC Female 4-Hole Panel Mount connector** features a square **17.5mm flange** designed for rugged, flush-mount installation. Unlike bulkhead versions, the four-hole configuration **provides maximum mechanical torque resistance** and a **high-stability ground connection** to the chassis. Its solder cup terminal allows for direct wire attachment, making it ideal **for custom cable assemblies**. These connectors are frequently utilized in **heavy-duty military hardware, broadcast distribution panels, and industrial control systems** where a **permanent, vibration-proof RF interface** is necessary to maintain signal consistency.



### Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	$\Omega$
Frequency Range	DC ~ 4	GHz
VSWR	$\leq 1.15$	@DC-2 GHz
	$\leq 1.30$	@2-4 GHz
Insertion Loss	$\leq 0.2$	@DC-4 GHz
Insulation Resistance	$\geq 5000$	M $\Omega$
Dielectric Withstanding Voltage	$\geq 1.5$	kVrms
Inner Conductor Resistance	$\leq 1.0$	m $\Omega$
Outer Conductor Resistance	$\leq 0.25$	m $\Omega$
Power Handling	300	W @1GHz
RF Leakage	$\leq -55$	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
Flange Size	17.5	mm
Soldered on	PCB or Cable	-
Operating Temperature	-40 ~ 85	°C
Compliance	ROHS	-