

## N M 4H Panel Mount Solder

P/N: AT3N1S4-6

### Product Feature:

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



The **N Male 4-Hole Panel Mount Solder Connector** is a high-reliability RF interface designed for chassis and bulkhead installations requiring a permanent, high-performance connection. Featuring a square flange with **four pre-drilled holes**, it ensures a secure, vibration-resistant mechanical mount to the equipment housing. By utilizing a **solder** termination, it establishes a high-conductivity bond for internal wiring or semi-rigid cables. These connectors are standard in **power amplifiers**, **signal generators**, and **RF distribution panels**, providing a rugged, low-loss interface that maintains 50-ohm impedance through the panel transition for frequencies up to **8 GHz**.

### Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	$\Omega$
Frequency Range	DC ~ 6	GHz
VSWR	$\leq 1.15$	@DC-3 GHz
	$\leq 1.20$	@3-5 GHz
Insertion Loss	$\leq 0.05$	@DC-5 GHz
Insulation Resistance	$\geq 5000$	M $\Omega$
Dielectric Withstanding Voltage	$\geq 2.5$	kVrms
Inner Conductor Resistance	$\leq 1.0$	m $\Omega$
Outer Conductor Resistance	$\leq 0.25$	m $\Omega$
PIM	$\leq -155$	dBc@(2 $\times$ 43dBm)
RF Leakage	$\leq -85$	dB @3GHz



## Technical Data Sheet

Material & Plating		
Component	Material	Plating
Center Conductor	Phosphor bronze	Gold
Outer Conductor/Body	Brass	Tri-Alloy
Coupling Nut	Brass	Nickel
Dielectric	PTFE	-
Gasket	Silicone rubber	-

Mechanical & Environmental Specifications		
Parameter	Value	Unit
Durability (Matings)	≥ 500 min.	-
Coupling nut torque	25/30	Nm
Soldered on	PCB or Cable	-
Operating Temperature	-40 ~ 85	°C
Ingress Protection (IP Rating)	IP67	-
Compliance	ROHS	-