N-Type Jack End Launch Bulkhead Rear Mount

Part Number: NJ-06-BT-04

PRODUCT OVERVIEW

The NJ-06-BT-04 is an N-Type jack end-launch receptacle with bulkhead rear mounting. It provides a straight RF interface between a panel-mounted N-Type connection and a printed circuit board.

The assembly combines a nickel-finished brass body, nut and teeth washer with a gold-finished P.H. bronze contact pin and a PTFE insulator. The engineering drawing includes a recommended panel opening and PCB layout for integration.

The specified impedance is 50 ohms and the frequency range is DC to 11 GHz. Review the panel thickness, board layout and complete connector-to-board transition for the intended installation.

PRODUCT SPECIFICATIONS

Attributes	Details
Series	N-Type
Gender	Jack
Orientation	Straight
Mounting	End launch; bulkhead rear mount
Weight	36.80 g

ELECTRICAL SPECIFICATIONS

Attributes	Details
Impedance	50 Ω
Frequency range	DC to 11 GHz
Working voltage	500 Vrms
Dielectric withstanding voltage	1,500 Vrms
Insulation resistance	5,000 MΩ

Drawing ratings; test conditions and min./typ./max. qualifiers are not specified.

MECHANICAL & MOUNTING SPECIFICATIONS

Attributes	Details
Overall length	32.00 mm
Body end (square)	17.50 mm
Maximum panel thickness	7.00 mm
Thread shown on drawing	5/8-24 UNEF-2A



Configuration:

- Impedance: 50 Ω
- Frequency range: DC to 11 GHz
- Working voltage: 500 Vrms
- Dielectric withstand voltage: 1,500 Vrms
- Insulation resistance: 5,000 MΩ
- Thread: 5/8-24 UNEF-2A
- Temperature range: −65 °C to +165 °C
- Configuration: N-Type jack, straight end launch, bulkhead rear mount

Features:

- Threaded N-Type coupling provides a secure screw-on RF connection.
- End-launch construction connects the external RF interface directly to the PCB edge.
- Bulkhead rear mounting with a nut and teeth washer supports panel installation.
- Nickel-plated brass body and mounting hardware, with a gold-plated P.H. bronze contact.
- PTFE insulation and a drawing-defined PCB layout support board integration.

Applications:

- Cellular base stations and wireless network infrastructure
- Satellite communication equipment and military communication systems
- Broadcast equipment and video distribution systems
- RF test equipment and instrumentation
- Defense communication links and industrial data links
- Radar equipment and systems
- Outdoor antenna systems and installations

These are typical design applications. Suitability, environmental protection and any required system qualifications must be confirmed for the intended installation.

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Mechanical, materials & environmental specifications

Part Number: NJ-06-BT-04

MECHANICAL & MOUNTING SPECIFICATIONS

Attributes	Details
Overall length	32.00 mm
Body end (square)	17.50 mm
Maximum panel thickness	7.00 mm
Thread shown on drawing	5/8-24 UNEF-2A
Recommended panel opening	Ø16.00 mm; 13.60 mm across flats
Body H cut	13.50 mm
Contact diameter	Ø1.50 mm
Nut / washer thickness	3.10 mm / 0.50 mm
Nut across flats	HEX 19.00 mm
General drawing tolerances	±0.15 mm; angles ±3.0°

The recommended PCB pattern is a reference. Adapt it to the assembly process, board type and electrical or mechanical requirements.

MATERIALS & FINISHES - COMPLETE DRAWING BOM

Item	Component	Material	Finish	Qty
1	Nut	Brass	Nickel	1
2	Teeth Washer	Brass	Nickel	1
3	Contact Pin	P.H. Bronze	Gold	1
4	Insulator	PTFE	--	1
5	Body	Brass	Nickel	1

ENVIRONMENTAL & COMPLIANCE INFORMATION

Attributes	Details
Temperature rating	-65 °C to +165 °C

RoHS REACH Conflict Minerals Policy

ORDERING INFORMATION

Part Number	Description
NJ-06-BT-04	N-Type Jack End Launch Bulkhead Rear Mount

INTEGRATION NOTES

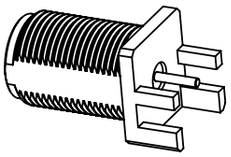
Review the recommended PCB layout, panel opening and maximum panel thickness for the intended installation. Validate the complete connector-to-board transition against the system requirements.

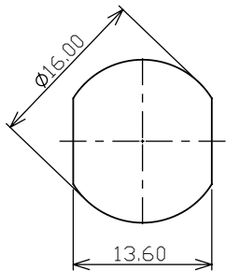
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NO	DESCRIPTION	MATERIAL	FINISH	QTY
1	Nut	Brass	Nickel	1
2	Teeth Washer	Brass	Nickel	1
3	Contact Pin	P.H. Bronze	Gold	1
4	Insulator	PTFE	--	1
5	Body	Brass	Nickel	1

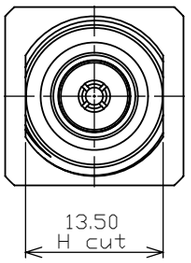
Specification

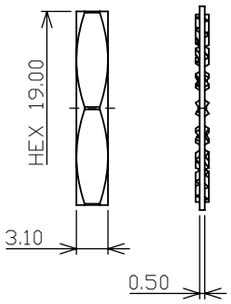
Impedance : 50 Ohm
Frequency Range : DC to 11 GHz
Working Voltage : 500 Vrms
Dielectric Withstanding Voltage : 1,500 Vrms
Insulation Resistance : 5,000 M-Ohm
Temperature Rating : -65° C to 165° C

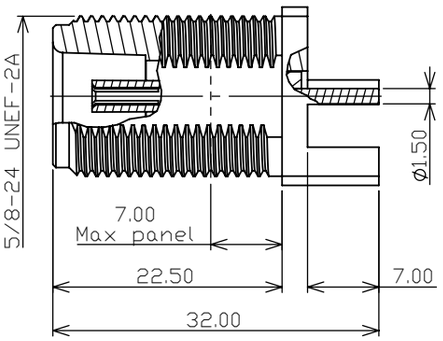


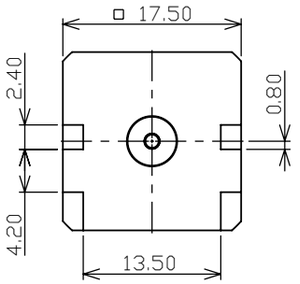


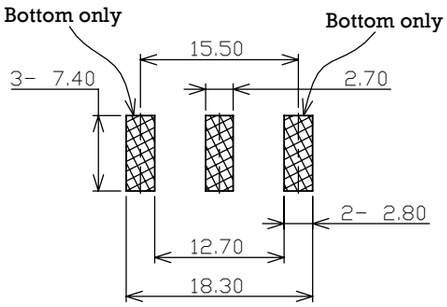
RMD Mounting Hole











RMD PCB Layout

RoHS COMPLIANT

UNIT mm

DESCRIPTION: N Jack End Launch, B/H Rear Mount

SCALE	1.5:1
DATE	2021/10/03
DESIGNED	
CHECKER	
APPROVED	

COMMON TOLERANCE ±0.15
±3.0° ANGLES
WEIGHT: 36.80 g

JAW Dropper Innovation Channel Co.,Ltd.

ITEM NO: NJ-06-BT-04

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