



TE Internal #: 5227161-6

RF Connectors, BNC RF Interface, Jack, 50 Ω , Bayonet, 4 GHz

Operating Frequency, Cable-to-Board, 1 Position, Printed Circuit

Board, Panel Mount

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Connectors > RF Coax Connectors > RF Connectors > BNC Right Angle M Jack RF Connector, 50 Ohm, Bayonet Coupling Mechanism



RF Interface: **BNC**

RF Connector Style: **Jack**

RF Connector Mated Outer Diameter (Approximate): **14.53 mm [.572 in]**

Impedance: **50 Ω**

RF Connector Coupling Mechanism: **Bayonet**

[All BNC Right Angle M Jack RF Connector, 50 Ohm, Bayonet Coupling Mechanism \(42\)](#)

Features

Product Type Features

RF Interface	BNC
RF Connector Style	Jack
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	1
PCB Mount Orientation	Right Angle
Number of Coaxial Contacts	1

Electrical Characteristics

EMI & RFI Protection & Suppression Type	PCB Ground
Impedance	50 Ω

Body Features



Body Insulation	Without
Body Material	Zinc
Body Plating Material	Nickel

Contact Features

RF Connector Center Contact Underplating Material	Nickel
	30 μin
RF Connector Center Contact Plating Material	Gold
RF Connector Center Contact Material	Phosphor Bronze

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
Termination Post & Tail Length	4.11 mm[.162 in]

Mechanical Attachment

Panel Attachment Style	Rear Mount
PCB Mount Retention	With
Panel Mount Feature Type	Lockwasher and Nut
RF Connector Coupling Mechanism	Bayonet
Connector Mounting Type	Panel Mount
RF Contact Captivation Method	Solder
Detent	With

Housing Features

Housing Color	Black
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Dimensions

Mounting Post Length	3.48 mm[.137 in]
RF Connector Mated Outer Diameter (Approximate)	14.53 mm[.572 in]
Profile Height from PCB	15.88 mm[.625 in]

Usage Conditions

Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]
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Operation/Application

Operating Frequency	4 GHz
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Packaging Features

Packaging Method	Tube
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Other

Grade	Commercial
Comment	If an Insulating Bushing is required, see Part Number 330620.
Dielectric Material	Polymethylpentene

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2022 (223) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Pb (3.7% in Component Part) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts



TE Part # CAT-076-BNCJKSH50
BNC RF Connector: jack assembly - short, 50 Ohm, 4Ghz



TE Part # 5-1634516-1
BNC RM BHJ Hex 50Ohm Nickel Pltd RG58C/U



TE Part # 5413771-3
JACK BLKHD,COML BNC,HEX CRIMP



TE Part # 5413779-3
COML BNC,50 OHM, HEX CRIMP



TE Part # 5227169-8
BNC - SOLDER RECEPT



TE Part # 5228979-7
JACK,COML,SERIES BNC,GOLD PL



TE Part # 5228980-6
JACK,BHD,COML,SERIES BNC,GOLD



TE Part # 5227426-1
BNC BLKHD RECPT SEALED



TE Part # 1-5227079-6
COMM BNC PLUG



TE Part # 1-329631-2
JAM NUT, PLATED



TE Part # 228979-7
JACK,COML,SERIES BNC,GOLD PL



TE Part # 413779-3
COML BNC,50 OHM, HEX CRIMP



TE Part # 5227169-5
BNC - SOLDER RECEPT



TE Part # 5227169-7
BNC SOLDER JACK RECEPTACLE



TE Part # 5228980-7
JACK,BHD,COML,SERIES BNC,GOLD



TE Part # 228979-6
JACK,COML,SERIES BNC,GOLD PL



TE Part # 228980-6
JACK,BHD,COML,SERIES BNC,GOLD



TE Part # 228980-7
JACK,BHD,COML,SERIES BNC,GOLD



TE Part # 414265-3
PLUG, TWIST ON, COML BNC



TE Part # 5228979-6
JACK,COML,SERIES BNC,GOLD PL

Customers Also Bought



TE Part #1-1827876-4
DYNAMIC 1200D HDR ASSY H 8PX
BLACK GOLD

TE Part #2-647123-4
04P MTA156 SHRD HDR ASSY SQ SN

TE Part #5-146128-6
08 MODII HDR SR SFMNT B/A .100

TE Part #2-5174341-5
68P S-MINI-MITE CAP HDR R-LEG

TE Part #1-1473562-4
RITS CONN. PLUG ASSY 4P RED

TE Part #6-534267-2
30 MODIV VRT DR DE 100/125

TE Part #6-146280-2
12 MODII HDR SRST B/A .100CL

TE Part #7-2151965-7
OCEAN_2.0_SPARE_PART_KIT-
066F134O

Documents

Product Drawings

RTANG JK W/MTG PINS, BNC PCB

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5227161-6_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5227161-6_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5227161-6_B.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

BNC Connectors

English

Product Specifications

Product Specification

English

Product Specification

English



Product Environmental Compliance

[MD_5227161-6_040520181020_dmtec](#)

English

[MD_5227161-6_040520181020_dmtec](#)

English

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English