

5227161-3 ✓ ACTIVE

TE Internal #: 5227161-3

BNC RF Interface, Jack, 50 ohm, Bayonet, 4 GHz Operating Frequency, Cable-to-Board, 1 Position, Printed Circuit Board, Panel Mount

[View on TE.com >](#)



Connectors > RF Connectors > Coax Connectors > BNC RF Connector: Male (Jack), Right Angle



RF Interface: **BNC**

RF Connector Style: **Jack**

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

Impedance: **50  $\Omega$**

RF Connector Coupling Mechanism: **Bayonet**

[All BNC RF Connector: Male \(Jack\), Right Angle \(31\)](#)

## Features

### Contact Features

	30 $\mu$ m
RF Connector Center Contact Plating Material	Gold
RF Connector Center Contact Material	Phosphor Bronze
RF Connector Center Contact Underplating Material	Nickel

### Product Type Features

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

### Dimensions

RF Connector Mated Outer Diameter (Approximate)	14.53 mm[.572 in]
Mounting Post Length	3.48 mm[.137 in]



Profile Height from PCB	15.88 mm[.625 in]
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### Electrical Characteristics

Impedance	50 $\Omega$
EMI & RFI Protection & Suppression Type	PCB Ground

### Mechanical Attachment

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

### Operation/Application

Operating Frequency	4 GHz
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### Configuration Features

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

### Usage Conditions

Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]
Insulation Option	Uninsulated

### Body Features

Body Material	Zinc
Body Plating Material	Nickel

### Other

Dielectric Material	Polymethylpentene
EU RoHS Compliance	Compliant with Exemptions
EU ELV Compliance	Compliant with Exemptions
Grade	Commercial

### Packaging Features

Packaging Method	Tube
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### Termination Features



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

### Housing Features

Housing Color	White
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### 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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Pb (3.7% in Component Part) <b>Article Safe Usage Statements:</b> 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-BNCJKISG50  
BNC RF Connector: Jack Assembly, Isolated Ground Protection, 50 Ohm



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



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



TE Part # 1-5227079-6  
COMM BNC PLUG



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



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



TE Part # 5227169-5  
BNC - SOLDER RECEPT



TE Part # 5227169-7  
BNC SOLDER JACK RECEPTACLE



TE Part # 5227169-8  
BNC - SOLDER RECEPT



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



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



TE Part # 1-5221128-7  
PLUG,COMMERCIAL BNC



TE Part # 5227079-5  
COMM BNC PLUG



TE Part # 5227079-6  
COMM. BNC-PLUG



TE Part # 8-5227079-2  
COMM BNC PLUG



TE Part # 1-5227079-1  
COMM BNC PLUG



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



TE Part # 5330876  
BNC PLUG



TE Part # 1-5221128-0  
PLUG,COMMERCIAL BNC



TE Part # 5227079-7  
COMM. BNC-PLUG

## Customers Also Bought



TE Part #5499910-4  
A/L UNIV HDR 20P VERT SHT LAT



TE Part #1-640251-2  
12P SL156 HSG W/O LCK RAMP



TE Part #3-1462037-1  
IM42GR =IM RELAY 100mW 4.5V BIS



TE Part #5750638-1  
15 PLUG SP/FMS BRDLK



TE Part #63381-1  
PIN .125 TERMINAL REC 22-18 AWG  
BR



TE Part #1676472-2  
RN 0805 9K09 0.1% 10PPM 1KRL



TE Part #4-2176092-6  
RP 2A 0.25W 2K15 0.1% 25PPM 1K RL



TE Part #9-1437565-9  
FSMRACD=R/A,TACTILE,PB SWITCH



TE Part #2-1445094-4  
MICRO MNL HDR ASSY S/ROW AU LF

## Documents

### Product Drawings

[RTANG JK W/MTG PINS, BNC PCB](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5227161-3\\_B.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5227161-3\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5227161-3\\_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

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## Product Specifications

Product Specification

English

Product Specification

English

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## Instruction Sheets

Instruction Sheet (U.S.)

English