



TE Internal #: 5413515-2  
 RF Connectors, BNC RF Interface, Jack, 50 Ω, Bayonet, 1 GHz  
 Operating Frequency, Cable-to-Board / Cable-to-Panel, 1 Position,  
 Printed Circuit Board

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Connectors > RF Coax Connectors > RF Connectors



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**

## Features

### Product Type Features

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

### Configuration Features

Number of Positions	1
Number of Coaxial Contacts	1

### Electrical Characteristics

Impedance	50 Ω
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### Body Features

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 Post & Tail Length	3.43 mm[.135 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

### Mechanical Attachment

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	Mechanical
Detent	With

### Dimensions

Mounting Post Length	4.01 mm[.158 in]
Profile Height from PCB	13.18 mm[.519 in]
RF Connector Mated Outer Diameter (Approximate)	14.53 mm[.572 in]

### Usage Conditions

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

Operating Frequency	1 GHz
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### Packaging Features

Packaging Method	Tube
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### Other

Grade	Commercial
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: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
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

 <p>TE Part # CAT-076-BNCJKISG50 BNC RF Connector: Jack Assembly, Isolated Ground Protection, 50 Ohm</p>	 <p>TE Part # CAT-076-BNCJKSH50 BNC RF Connector: jack assembly - short, 50 Ohm, 4Ghz</p>	 <p>TE Part # 5-1634516-1 BNC RM BHJ Hex 50Ohm Nickel Pltd RG58C/U</p>	 <p>TE Part # 5413771-3 JACK BLKHD,COML BNC,HEX CRIMP</p>
 <p>TE Part # 1-5227079-6 COMM BNC PLUG</p>	 <p>TE Part # 5413779-3 COML BNC,50 OHM, HEX CRIMP</p>	 <p>TE Part # 5227169-5 BNC - SOLDER RECEPT</p>	 <p>TE Part # 5227169-7 BNC SOLDER JACK RECEPTACLE</p>



## Documents

### CAD Files

3D PDF

English

### Customer View Model

[ENG\\_CVM\\_5413515-2\\_C.2d\\_dxf.zip](#)

English

### Customer View Model

[ENG\\_CVM\\_5413515-2\\_C.3d\\_igs.zip](#)

English

### Customer View Model

[ENG\\_CVM\\_5413515-2\\_C.3d\\_stp.zip](#)

English

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## Datasheets & Catalog Pages

### Decoupled Connectors

English

## Product Specifications



### PCB Decoupled BNC Straight & Right Angle Jacks

English

#### Product Specification

English

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#### Product Environmental Compliance

##### Product Compliance

English

##### Product Compliance

English