

5221123-2 ✓ ACTIVE

TE Internal #: 5221123-2

RF Connectors, BNC RF Interface, Jack, 50  $\Omega$ , Bayonet, 4 GHz

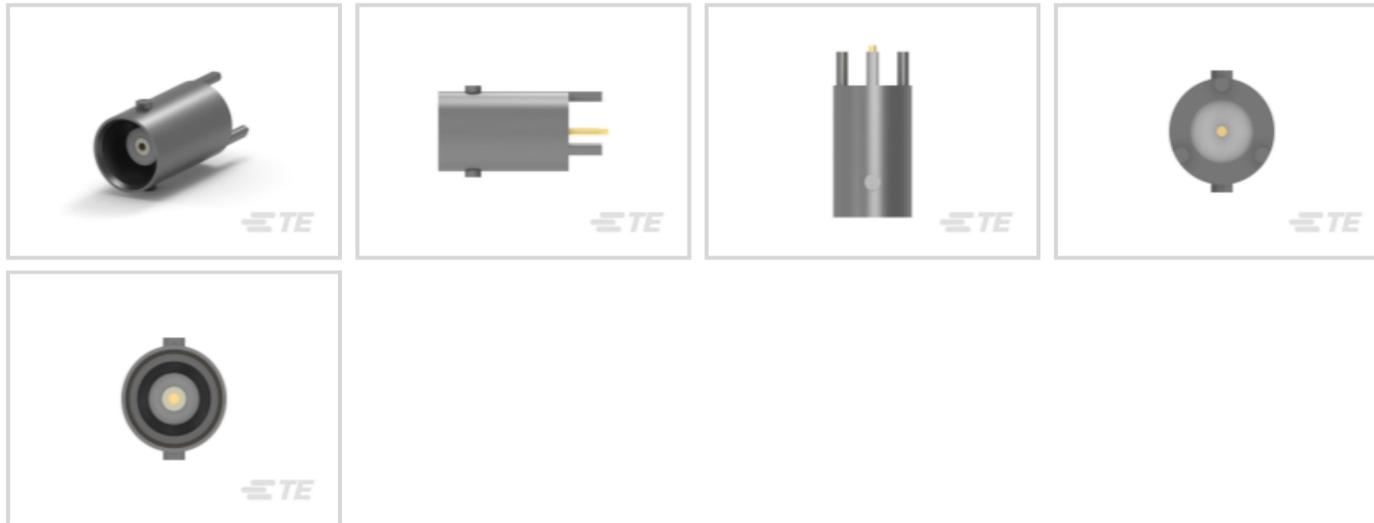
Operating Frequency, Cable-to-Board, 1 Position, Printed Circuit

Board, Board Mount

[View on TE.com >](#)



Connectors > RF Coax Connectors > RF Connectors > BNC Vertical 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  $\Omega$**

RF Connector Coupling Mechanism: **Bayonet**

[All BNC Vertical Jack RF Connector, 50 Ohm, Bayonet Coupling Mechanism \(32\)](#)

## 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

|                            |          |
|----------------------------|----------|
| PCB Mount Orientation      | Vertical |
| Number of Positions        | 1        |
| Number of Coaxial Contacts | 1        |

### Electrical Characteristics

|           |             |
|-----------|-------------|
| Impedance | 50 $\Omega$ |
|-----------|-------------|

### Body Features

|               |      |
|---------------|------|
| Body Material | Zinc |
|---------------|------|



|                       |          |
|-----------------------|----------|
| Body Plating Material | Tin-Lead |
|-----------------------|----------|

### Contact Features

|   |                 |
|---|-----------------|
| RF Connector Center Contact Underplating Material | Copper, Nickel  |
|   | 1080 $\mu$ m    |
| RF Connector Center Contact Plating Material      | Gold            |
| RF Connector Center Contact Material              | Phosphor Bronze |

### Termination Features

|   |                       |
|---|-----------------------|
| Termination Post & Tail Length              | 4.83 mm[.19 in]       |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

### Mechanical Attachment

|                                 |             |
|---------------------------------|-------------|
| PCB Mount Retention             | Without     |
| RF Connector Coupling Mechanism | Bayonet     |
| Connector Mounting Type         | Board Mount |
| RF Contact Captivation Method   | Mechanical  |
| Detent                          | With        |

### Dimensions

|   |                   |
|---|-------------------|
| Profile Height from PCB                         | 15.88 mm[.625 in] |
| RF Connector Mated Outer Diameter (Approximate) | 14.53 mm[.572 in] |

### Usage Conditions

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

### Operation/Application

|                     |       |
|---------------------|-------|
| Operating Frequency | 4 GHz |
|---------------------|-------|

### Packaging Features

|                  |        |
|------------------|--------|
| Packaging Method | Carton |
|------------------|--------|

### Other

|                     |            |
|---------------------|------------|
| Grade               | Commercial |
| Dielectric Material | VALOX      |

### 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)

SVHC &gt; Threshold:

Pb (4% 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 &gt; 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

TE Part # CAT-076-BNCJKISG50  
BNC RF Connector: Jack Assembly,  
Isolated Ground Protection, 50 Ohm



TE

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



TE

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



TE

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



TE

TE Part # 1-5227079-6  
COMM BNC PLUG



TE

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



TE Part # 5227169-5  
BNC - SOLDER RECEPT



TE Part # 5227169-7  
BNC SOLDER JACK RECEPTACLE



## Documents

### Product Drawings

[JACK,PCB,VERT,COMMERCIAL BNC](#)

English

### CAD Files

[3D PDF](#)

English

**Customer View Model**

[ENG\\_CVM\\_5221123-2\\_O.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_5221123-2\\_O.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_5221123-2\\_O.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