

5227222-1 ✓ ACTIVE



TE Internal #: 5227222-1

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

[View on TE.com >](#)

Connectors > RF Connectors > Coax 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 Ω**

RF Connector Coupling Mechanism: **Bayonet**

[All BNC Vertical Jack RF Connector, 50 Ohm, Bayonet Coupling Mechanism \(28\)](#)

## 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

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

### Electrical Characteristics

|           |      |
|-----------|------|
| Impedance | 50 Ω |
|-----------|------|

### Body Features

|               |                |
|---------------|----------------|
| Body Material | Polyester, PBT |
|---------------|----------------|



|                      |            |
|----------------------|------------|
| Body Material Finish | Passivated |
|----------------------|------------|

|                       |        |
|-----------------------|--------|
| Body Plating Material | Nickel |
|-----------------------|--------|

### Contact Features

|   |        |
|---|--------|
| RF Connector Center Contact Underplating Material | Nickel |
|---|--------|

|  |              |
|--|--------------|
|  | 5080 $\mu$ m |
|--|--------------|

|  |     |
|--|-----|
| RF Connector Center Contact Plating Material | Tin |
|--|-----|

|                                      |                 |
|--------------------------------------|-----------------|
| RF Connector Center Contact Material | Phosphor Bronze |
|--------------------------------------|-----------------|

### Termination Features

|                                |                 |
|--------------------------------|-----------------|
| Termination Post & Tail Length | 5.33 mm[.21 in] |
|--------------------------------|-----------------|

|                           |                       |
|---------------------------|-----------------------|
| Termination Method to PCB | Through Hole - Solder |
|---------------------------|-----------------------|

### Mechanical Attachment

|                     |      |
|---------------------|------|
| PCB Mount Retention | With |
|---------------------|------|

|                        |            |
|------------------------|------------|
| Panel Attachment Style | Rear Mount |
|------------------------|------------|

|                                 |         |
|---------------------------------|---------|
| RF Connector Coupling Mechanism | Bayonet |
|---------------------------------|---------|

|                         |             |
|-------------------------|-------------|
| Connector Mounting Type | Panel Mount |
|-------------------------|-------------|

|                               |            |
|-------------------------------|------------|
| RF Contact Captivation Method | Mechanical |
|-------------------------------|------------|

|        |      |
|--------|------|
| Detent | With |
|--------|------|

### Housing Features

|               |       |
|---------------|-------|
| Housing Color | White |
|---------------|-------|

### Dimensions

|                      |                  |
|----------------------|------------------|
| Mounting Post Length | 3.48 mm[.137 in] |
|----------------------|------------------|

|                         |                    |
|-------------------------|--------------------|
| Profile Height from PCB | 34.93 mm[1.375 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 | Tube |
|------------------|------|

### 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 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>SVHC > Threshold:<br>Pb (3.7% in Component Part)<br><b>Article Safe Usage Statements:</b><br>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 # 5227426-1  
BNC BLKHD RECPT SEALED



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

### Customers Also Bought



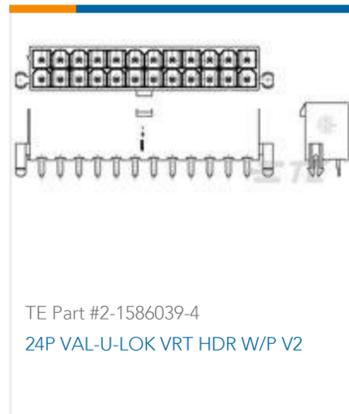
TE Part #32498  
PIDG SPDFLG 22-16COM22-18MIL 8



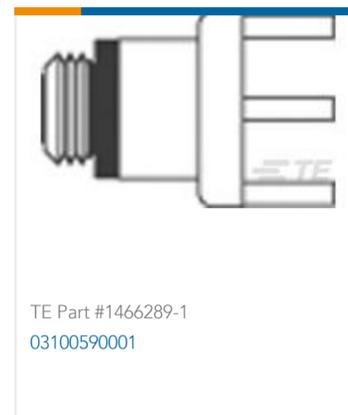
TE Part #3-644695-4  
04P MTA100 STR HDR RETENTIVE



TE Part #66569-2  
20DF SOCKET,PLATED



TE Part #2-1586039-4  
24P VAL-U-LOK VRT HDR W/P V2



## Documents

### Product Drawings

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

English

### CAD Files

[3D PDF](#)

3D

**Customer View Model**

[ENG\\_CVM\\_CVM\\_5227222-1\\_C.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_5227222-1\\_C.3d\\_igs.zip](#)

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[ENG\\_CVM\\_CVM\\_5227222-1\\_C.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

[BNC Connectors](#)

English

### Product Specifications

[Product Specification](#)

English

[Product Specification](#)

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[Instruction Sheets](#)

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

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