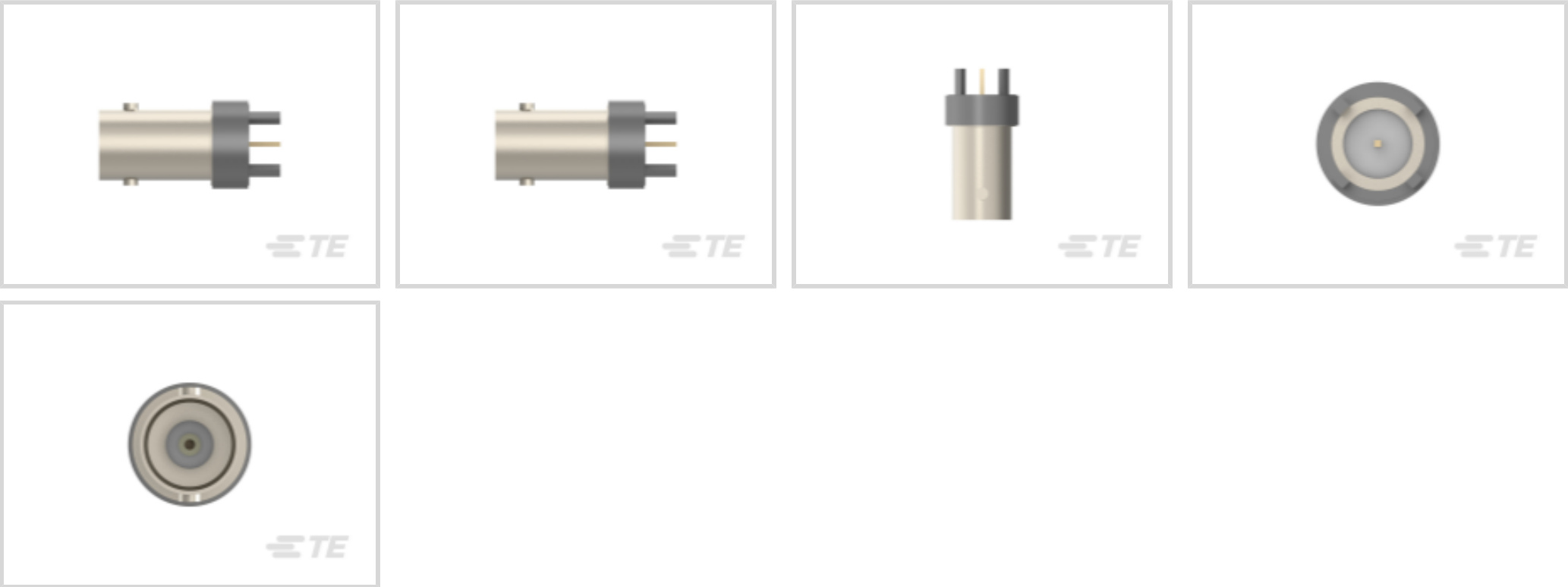




TE Internal #: 5222006-1  
BNC Connector, Jack, 50 ohm, Bayonet, 4 GHz, Cable-to-Board, 1  
Position, Printed Circuit Board, Board Mount, -55 – 85 °C [-67 – 185 °  
F], Zinc, Nickel  
[View on TE.com >](#)

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 \(25\)](#)

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 Ω |
|-----------|------|

Body Features

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



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

Contact Features

|                                                   |                  |
|---------------------------------------------------|------------------|
| RF Connector Center Contact Underplating Material | Nickel           |
|                                                   | 1080 µin         |
| RF Connector Center Contact Plating Material      | Gold (Au)        |
| RF Connector Center Contact Material              | Beryllium Copper |

Termination Features

|                                |                          |
|--------------------------------|--------------------------|
| Termination Method to PCB      | Through Hole - Press-Fit |
| Termination Post & Tail Length | 4.19 mm[.165 in]         |

Mechanical Attachment

|                                 |             |
|---------------------------------|-------------|
| PCB Mount Retention             | With        |
| RF Connector Coupling Mechanism | Bayonet     |
| Connector Mounting Type         | Board Mount |
| RF Contact Captivation Method   | Mechanical  |
| Detent                          | With        |

Dimensions

|                                                 |                   |
|-------------------------------------------------|-------------------|
| Profile Height from PCB                         | 20.57 mm[.81 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

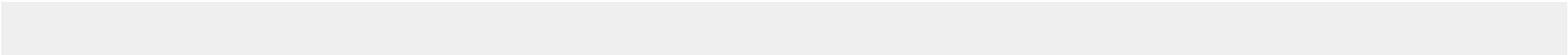
|                  |      |
|------------------|------|
| Packaging Method | Tube |
|------------------|------|

Other

|                     |            |
|---------------------|------------|
| Grade               | Commercial |
| Dielectric Material | PTFE       |

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 2025 (247)<br>Candidate List Declared Against: JUNE 2024 (241)<br>SVHC > Threshold:<br>Pb (.6% 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                               | Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free                                                                                                                                                                                                                                                                                                                                   |
| Solder Process Capability                     | Not applicable for solder process capability                                                                                                                                                                                                                                                                                                                                                                                 |

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 # 5227079-7  
COMM. BNC-PLUG



TE Part # 5221128-1  
PLUG,COMMERCIAL BNC



TE Part # 1-5227079-1  
COMM BNC PLUG

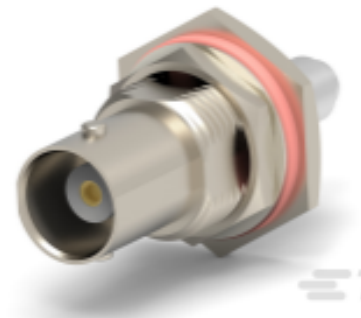


TE Part # CAT-076-BNCJKISG50  
BNC RF Connector: Jack Assembly,  
Isolated Ground Protection, 50 Ohm





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 # 5227079-6  
COMM. BNC-PLUG



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



TE Part # 1-221128-0  
PLUG,COMMERCIAL BNC



TE Part # 1-5227079-6  
COMM BNC PLUG



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



TE Part # 5227169-7  
BNC SOLDER JACK RECEPTACLE



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



TE Part # 5413959-3  
BNC HEX RT ANG PLUG 50 OHM



TE Part # 2-5221128-3  
PLUG,COMMERCIAL BNC



TE Part # 2016080-2  
JACK,PCB,COMMERCIAL BNC



TE Part # 8-5227079-2  
COMM BNC PLUG



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

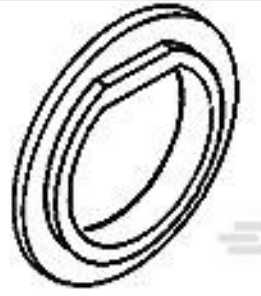


TE Part # 2-221128-3  
PLUG,COMMERCIAL BNC



TE Part # 5227169-5  
BNC - SOLDER RECEPT

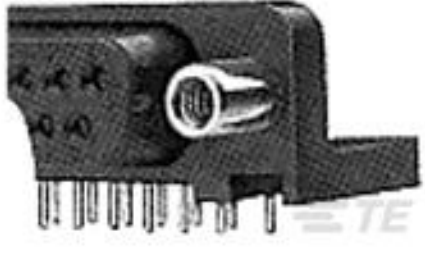
Customers Also Bought



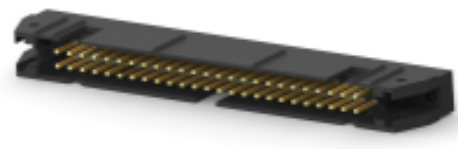
TE Part #222163-1  
BUSHING INSULATING



TE Part #5227222-6  
VERT JK W/MTG PINS, BNC PCB



TE Part #5788801-1  
25 HTMSFL ASSY RA 318 (SL,BL)



TE Part #CAT-AM74-UN384H  
AMP-LATCH UNIVERSAL HEADERS





TE Part #3-1437559-4  
MTL106D=(MSTL) SWITCH TOG LOCK



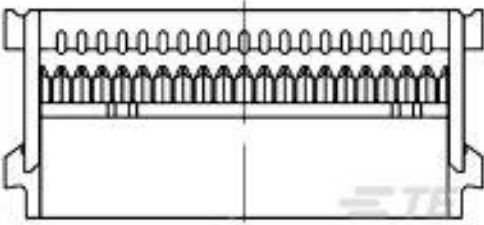
TE Part #2381881-3  
PBES16 23.8 RB NO LAMP 1NC 1NC



TE Part #6116418-1  
MJ,TE,8P,COMPL.PIN,CAT5,PN



TE Part #1618277-8  
K70C841=RELAY, PRESSURIZED, SP



TE Part #1-1658526-6  
609-2641LF FEM SOCKET,LEAD FREE

Documents

Product Drawings

RECEPTACLE,PRESS FIT,COML BNC

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_5222006-1\_B.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_5222006-1\_B.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_5222006-1\_B.3d\_stp.zip

English

3D PDF

English

Customer View Model

ENG\_CVM\_5222006-1\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_5222006-1\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_5222006-1\_A.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

Application Specification

English