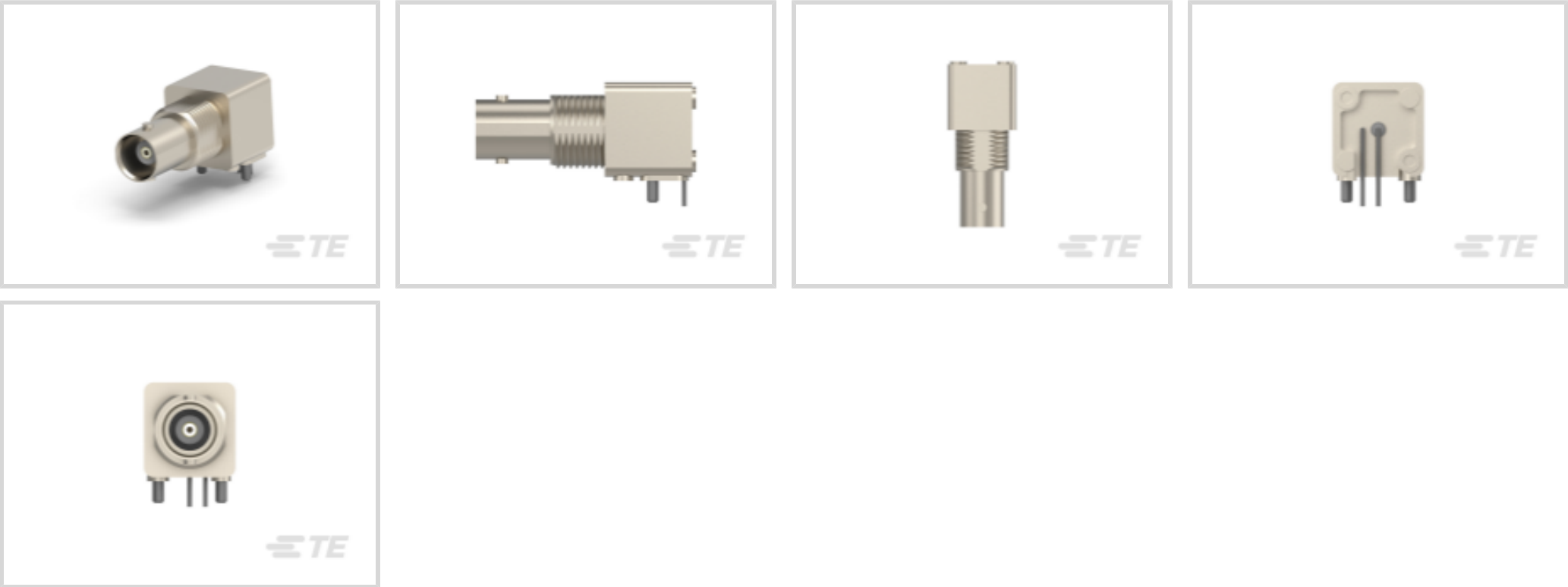




TE Internal #: 5227677-1  
BNC RF Interface, Jack, 50  $\Omega$ , Bayonet, 4 GHz Operating  
Frequency, Cable-to-Board, 1 Position, Printed Circuit Board, Panel  
Mount  
[View on TE.com >](#)

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 \(42\)](#)

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      | Right Angle |
| Number of Positions        | 1           |
| Number of Coaxial Contacts | 1           |

Electrical Characteristics

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

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              | 4.1 mm[.162 in]       |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

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

Dimensions

|   |                   |
|---|-------------------|
| Mounting Post Length                            | 3.48 mm[.137 in]  |
| 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 | 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: JAN 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<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                               | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free  |
| 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>


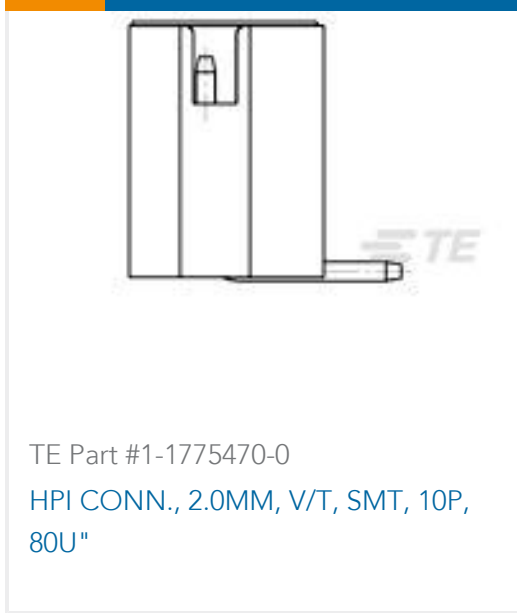


Compatible Parts

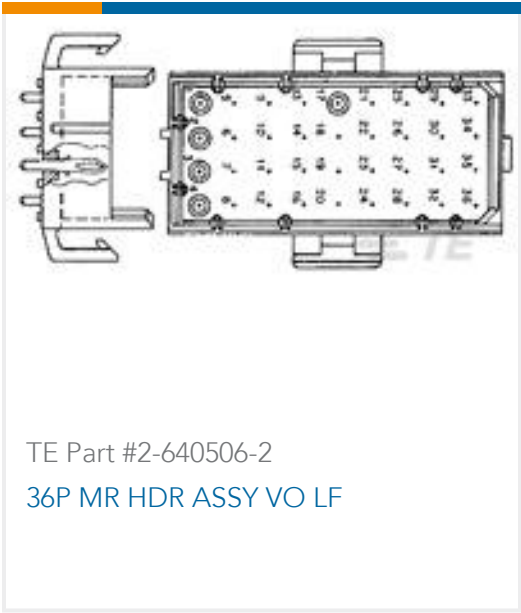
|   |   |   |  |
|---|---|---|--|
|  <p>TE Part # CAT-076-BNCJKISG50<br/>BNC RF Connector: Jack Assembly, Isolated Ground Protection, 50 Ohm</p> |  <p>TE Part # CAT-076-BNCJKSH50<br/>BNC RF Connector: jack assembly - short, 50 Ohm, 4Ghz</p> |  <p>TE Part # 5227426-1<br/>BNC BLKHD RECPT SEALED</p> |  <p>TE Part # 5413771-3<br/>JACK BLKHD,COML BNC,HEX CRIMP</p> |
|---|---|---|--|



|  |   |  |   |
|--|---|--|---|
|  <p>TE Part # 1-5227079-6<br/>COMM BNC PLUG</p>             |  <p>TE Part # 5413779-3<br/>COML BNC,50 OHM, HEX CRIMP</p>    |  <p>TE Part # 1-329631-2<br/>JAM NUT, PLATED</p>              |  <p>TE Part # 5227169-5<br/>BNC - SOLDER RECEPT</p>            |
|  <p>TE Part # 5227169-7<br/>BNC SOLDER JACK RECEPTACLE</p> |  <p>TE Part # 5227169-8<br/>BNC - SOLDER RECEPT</p>          |  <p>TE Part # 5228979-7<br/>JACK,COML,SERIES BNC,GOLD PL</p> |  <p>TE Part # 5228980-7<br/>JACK,BHD,COML,SERIES BNC,GOLD</p> |
|  <p>TE Part # 1-5221128-7<br/>PLUG,COMMERCIAL BNC</p>     |  <p>TE Part # 5227079-5<br/>COMM BNC PLUG</p>               |  <p>TE Part # 5227079-6<br/>COMM. BNC-PLUG</p>              |  <p>TE Part # 8-5227079-2<br/>COMM BNC PLUG</p>              |
|  <p>TE Part # 1-5227079-1<br/>COMM BNC PLUG</p>           |  <p>TE Part # 228979-7<br/>JACK,COML,SERIES BNC,GOLD PL</p> |  <p>TE Part # 413779-3<br/>COML BNC,50 OHM, HEX CRIMP</p>   |  <p>TE Part # 5330876<br/>BNC PLUG</p>                       |

Customers Also Bought

|  |  |  |   |
|--|--|--|---|
|  <p>TE Part #1-1418362-3<br/>62 POS MIXED HEADER CODA</p> |  <p>TE Part #1-1775470-0<br/>HPI CONN., 2.0MM, V/T, SMT, 10P, 80U"</p> |  <p>TE Part #5-2176305-1<br/>RP 1E 0.1W 357R 0.1% 25PPM 5K RL</p> |  <p>TE Part #4-2176392-4<br/>RQ 1206 374K 0.1% 10PPM 5K RL</p> |
|--|--|--|---|



Documents

Product Drawings

BNC PCB RT ANG JACK W/POST

English

CAD Files

3D PDF

English

Customer View Model

ENG\_CVM\_5227677-1\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_5227677-1\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_5227677-1\_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

Product Specification

English