

227079-7 ✓ ACTIVE

TE Internal #: 227079-7

RF Connectors, BNC RF Interface, Plug, RF Connector Mated Outer Diameter (Approximate) .572 in [14.53 mm], 50 Ω

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Connectors > RF Coax Connectors > RF Connectors



RF Interface: **BNC**

RF Connector Style: **Plug**

RF Connector Mated Outer Diameter (Approximate): **14.53 mm [ .572 in ]**

Impedance: **50 Ω**

Compatible With RF Cable Type: **RG 59, RG 59A, RG 59B, RG 62, RG 62A, RG 62B**

## Features

### Product Type Features

|                                   |  |
|-----------------------------------|--|
| RF Interface                      | BNC  |
| RF Connector Style                | Plug   |
| Compatible With RF Cable Type     | RG 59, RG 59A, RG 59B, RG 62, RG 62A, RG 62B |
| Connector System                  | Cable-to-Cable                               |
| Sealable                          | Yes  |
| Connector & Contact Terminates To | Wire & Cable                                 |
| Connector Seal Type               | Gasket                                       |

### Configuration Features

|                            |   |
|----------------------------|---|
| Number of Positions        | 1 |
| Number of Coaxial Contacts | 1 |

### Electrical Characteristics

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

### Body Features

|                             |          |
|-----------------------------|----------|
| Body Insulation             | Without  |
| Body Shape                  | Circular |
| Cable Connector Orientation | Straight |
| Body Material               | Brass    |
| Body Plating Material       | Nickel   |

### Contact Features



|   |               |
|---|---------------|
| RF Connector Center Contact Underplating Material | Nickel        |
|   | 1080 $\mu$ in |
| Crimp Type  | Dual          |
| RF Connector Center Contact Plating Material      | Gold          |
| RF Connector Center Contact Material              | Brass         |

### Termination Features

|                                    |       |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|

### Mechanical Attachment

|                                 |                            |
|---------------------------------|----------------------------|
| RF Connector Coupling Mechanism | Bayonet                    |
| Connector Mounting Type         | Cable Mount (Free-Hanging) |
| RF Contact Captivation Method   | Mechanical                 |
| Detent                          | With                       |

### Dimensions

|   |                   |
|---|-------------------|
| RF Connector Mated Outer Diameter (Approximate) | 14.53 mm[.572 in] |
|---|-------------------|

### Usage Conditions

|                             |   |
|-----------------------------|---|
| Operating Temperature Range | -55 – 85 $^{\circ}$ C[-67 – 185 $^{\circ}$ F] |
|-----------------------------|---|

### Operation/Application

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

### Packaging Features

|                    |        |
|--------------------|--------|
| Packaging Quantity | 100    |
| Packaging Method   | Carton |

### Other

|                            |              |
|----------------------------|--------------|
| Grade                      | Commercial   |
| Coupling Nut Base Material | Brass        |
| Dielectric Material        | Polyethylene |

### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

|   |                                      |
|---|--------------------------------------|
| EU RoHS Directive 2011/65/EU                  | Not Yet Reviewed                     |
| 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 2021 (211)

Candidate List Declared Against: JUL 2017 (174)

SVHC > Threshold:  
Not Yet Reviewed

Halogen Content

BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

### Compatible Parts



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



TE Part # CAT-076-BNCVTBAY  
BNC Vertical Male (Jack) RF Connector, 50 Ohm, Bayonet Coupling Mechanism



TE Part # CAT-076-BNCRABAY  
BNC Right Angle M Jack RF Connector, 50 Ohm, Bayonet Coupling Mechanism



TE Part # CAT-076-BNCJKRA75C  
BNC RF Connector: Male (Jack), Right-angle, 75 Ohm



TE Part # CAT-076-BNCJKRA752  
BNC RF Connector: Male (Jack), Right-angle, 75 Ohm, 2 Ghz



TE Part # CAT-076-BNCPK4GMG  
BNC RF Connector: Plug Kit, Straight, 4 GHz, Military Grade



TE Part # CAT-076-BNCJKSH50  
BNC RF Connector: Male (Jack) assembly - short, 50 Ohm, 4Ghz




TE Part # 1-1337543-0  
BNC Ins R/A PCB Skt 50Ohm White



|   |   |  |   |
|---|---|--|---|
|  <p>TE Part # 1-1337494-0<br/>BNC R/A Shld PCB Skt 50Ohm Nickel Pltd</p> |  <p>TE Part # 2-5221128-1<br/>PLUG,COMMERCIAL BNC</p>                      |  <p>TE Part # 5225395-1<br/>BNC PLUG DUAL CRIMP RG58,A,B,C</p>      |  <p>TE Part # 5413589-8<br/>KIT,PLUG,COML BNC,HEX CRP</p>  |
|  <p>TE Part # 1-1634612-0<br/>BNC Ins R/A PCB Skt 50Ohm Black</p>        |  <p>TE Part # 5-1634500-2<br/>BNC Str Plg Hex 50Ohm Nickel Pltd RG58C/</p> |  <p>TE Part # 5-1634503-1<br/>BNC Str PCB Skt 50Ohm Nickel Pltd</p> |  <p>TE Part # 5413959-3<br/>BNC HEX RT ANG PLUG 50 OHM</p> |
|  <p>TE Part # 5-1634503-3<br/>BNC Str PCB Skt 75Ohm Nickel Pltd</p>    |  <p>TE Part # 5227079-5<br/>COMM BNC PLUG</p>                            |  <p>TE Part # 6274291-2<br/>JACK,VERT,PCB,75OHM,BNC</p>           |  <p>TE Part # 5225398-7<br/>BNC DUAL CRIMP JACJ</p>      |

### Customers Also Bought

|  |  |   |  |
|--|--|---|--|
|  <p>TE Part #485893-9<br/>011 HOUSING FFC PIN 100CL SR</p>  |  <p>TE Part #66565-3<br/>III+ SKT,24-20,15AU/FL,LP</p>                     |  <p>TE Part #221069-000<br/>TXR40AB90-2406AI</p>     |  <p>TE Part #3-643816-9<br/>Nylon Tin Plated Receptacle: 2.54mm, With Mating Alignment, MTA 100</p> |
|  <p>TE Part #3-643828-2<br/>Nylon Tin Plated Receptacle: 2.54mm, No Mating Alignment, MTA 100</p> |  <p>TE Part #YDTS26W15-19HNV001<br/>D38999: Straight Plug, 15-19 Insert</p> |  <p>TE Part #1-1761183-6<br/>16 SDL TE RCPT ASSY</p> |  <p>TE Part #1-57748-5<br/>Madison Spec 100-7178 Rev. 2</p>   |



## Documents

### CAD Files

[3D PDF](#)

[3D](#)

**Customer View Model**

[ENG\\_CVM\\_CVM\\_227079-7\\_BU.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_227079-7\\_BU.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_227079-7\\_BU.3d\\_stp.zip](#)

English

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### Product Specifications

[Product Specification](#)

English

[Plug, Coaxial, Commercial BNC](#)

English

### Agency Approvals

[UL Report](#)

English