



TE Internal #: 5415025-1  
RF Connectors, BNC RF Interface, Jack, RF Connector Mated Outer  
Diameter (Approximate) .572 in [14.53 mm], 50 Ω, Bayonet, 4GHz  
Operating Frequency  
[View on TE.com >](#)

Connectors > RF Coax Connectors > RF Connectors > BNC Right Angle M 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 Right Angle M Jack RF Connector, 50 Ohm, Bayonet Coupling Mechanism \(45\)](#)

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

|                            |             |
|----------------------------|-------------|
| Number of Positions        | 1           |
| PCB Mount Orientation      | Right Angle |
| Number of Coaxial Contacts | 1           |

Electrical Characteristics

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

Body Features

|                 |         |
|-----------------|---------|
| Body Insulation | Without |
|-----------------|---------|



|                       |      |
|-----------------------|------|
| Body Material         | Zinc |
| Body Plating Material | Tin  |

Contact Features

|                                                   |                 |
|---------------------------------------------------|-----------------|
| RF Connector Center Contact Underplating Material | Nickel          |
|                                                   | 1080 μin        |
| RF Connector Center Contact Plating Material      | Gold            |
| RF Connector Center Contact Material              | Phosphor Bronze |

Termination Features

|                                             |                       |
|---------------------------------------------|-----------------------|
| Termination Method to Wire & Cable          | Crimp                 |
| Termination Method to Printed Circuit Board | Through Hole - Solder |
| Termination Post & Tail Length              | 4.34 mm[.17 in]       |

Mechanical Attachment

|                                 |                    |
|---------------------------------|--------------------|
| Panel Attachment Style          | Rear Mount         |
| PCB Mount Retention             | Without            |
| Panel Mount Feature Type        | Lockwasher and Nut |
| RF Connector Coupling Mechanism | Bayonet            |
| Connector Mounting Type         | Panel Mount        |
| RF Contact Captivation Method   | Mechanical         |
| Detent                          | With               |

Dimensions

|                                                 |                   |
|-------------------------------------------------|-------------------|
| RF Connector Mated Outer Diameter (Approximate) | 14.53 mm[.572 in] |
| Height Above PC Board                           | 10.97 mm[.432 in] |

Usage Conditions

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

Operation/Application

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

Packaging Features

|                  |      |
|------------------|------|
| Packaging Method | Tray |
|------------------|------|

Other

|                     |                         |
|---------------------|-------------------------|
| Grade               | Commercial              |
| Additional Features | Hardware Included       |
| Dielectric Material | Polymethylpentene, 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 2021 (211)<br>Candidate List Declared Against: JUN 2020 (209)<br>SVHC > Threshold:<br>Pb (4% in 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                     | 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: Male (Jack) Assembly, Isolated Ground Protection, 50 Ohm



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



TE Part # 2-5221128-1  
PLUG,COMMERCIAL BNC



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



TE Part # 5227426-1  
BNC BLKHD RECPT SEALED



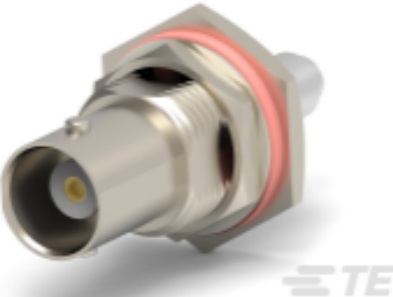
TE Part # 5-1634500-2  
BNC Str Plg Hex 50Ohm Nickel Pltd RG58C/



TE Part # 5413959-1  
PLUG RTANG BNC HEX 50 OHM



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



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



TE Part # 5227079-5  
COMM BNC PLUG



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



TE Part # 5228980-5  
JACK,BULKHEAD,COM'L,BNC



TE Part # 8-5227079-2  
COMM BNC PLUG



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



TE Part # 5227079-7  
COMM. BNC-PLUG



TE Part # 1-5227079-9  
COMM BNC PLUG



TE Part # 330876  
BNC PLUG



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

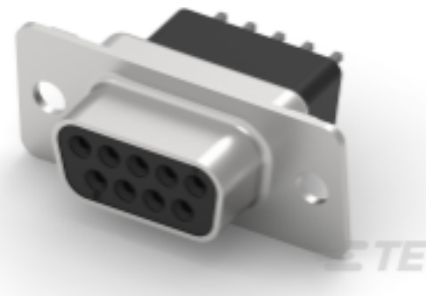


TE Part # 1-5221128-1  
PLUG,COMMERCIAL BNC



TE Part # 1-5227079-1  
COMM BNC PLUG

Customers Also Bought



TE Part #1-5747150-3  
D-Sub Receptacle Assembly: Vertical, Shell Size 1, 2.74mm



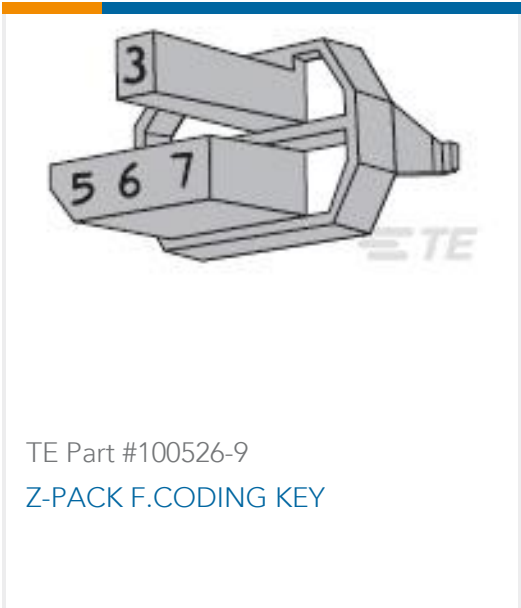
TE Part #T4131512041-000  
M12 Panel Mount Solder Cups



TE Part #1-1740194-2  
D-Sub Receptacle Assy: Eurostyle, Right Angle, Surface Mount, 2.74mm



TE Part #1-640389-2  
12P MTA156 HDR ASSY SQ R/A F/L



Documents

Product Drawings  
JACK, RTANG, PCB, 50 OHM, BNC  
English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_5415025-1\_A.3d\_igs.zip  
English  
Customer View Model  
ENG\_CVM\_5415025-1\_A.3d\_stp.zip  
English  
Customer View Model  
ENG\_CVM\_5415025-1\_A.2d\_dxf.zip  
English  
3D PDF  
English  
Customer View Model  
ENG\_CVM\_CVM\_5415025-1\_B.2d\_dxf.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_5415025-1\_B.3d\_igs.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_5415025-1\_B.3d\_stp.zip  
English



|                                                                                                                                                                                                                                                          |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| By downloading the CAD file I accept and agree to the <a href="#">Terms and Conditions</a> of use.                                                                                                                                                       |  |
|                                                                                                                                                                                                                                                          |  |
| <div>Datasheets &amp; Catalog Pages</div> <div>BNC Connectors</div> <div>English</div>                                                                                                                                                                   |  |
|                                                                                                                                                                                                                                                          |  |
| <div>Product Specifications</div> <div>Product Specification</div> <div>English</div> <div>AMP COMMON TERMINATION (CT), CONNECTOR, 2mm PITCH, M/T TYPE, LEAD FREE VERSION</div> <div>Japanese</div> <div>Product Specification</div> <div>Japanese</div> |  |
|                                                                                                                                                                                                                                                          |  |
| <div>Product Environmental Compliance</div> <div>TE Material Declaration</div> <div>English</div>                                                                                                                                                        |  |
|                                                                                                                                                                                                                                                          |  |
| <div>Instruction Sheets</div> <div>Instruction Sheet (U.S.)</div> <div>English</div>                                                                                                                                                                     |  |