



TE Internal #: 227161-2
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 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 Ω**
RF Connector Coupling Mechanism: **Bayonet**

[All BNC RF Connector: Male \(Jack\), Right Angle \(31\)](#)

Features

Product Type Features

| | |
|-----------------------------------|--------------------------------|
| Connector Shape | Circular |
| 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 | Right Angle |
| Number of Positions | 1 |
| Number of Coaxial Contacts | 1 |

Electrical Characteristics

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

Body Features



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

Contact Features

| | |
|---|-----------------|
| RF Connector Center Contact Underplating Material | Nickel |
| | 5080 µin |
| RF Connector Center Contact Plating Material | Tin |
| RF Connector Center Contact Material | Phosphor Bronze |

Termination Features

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|--------------------------------|-----------------------|
| Termination Post & Tail Length | 4.11 mm[.162 in] |
| Termination Method to PCB | 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 |

Housing Features

| | |
|---------------|-------|
| Housing Color | Black |
|---------------|-------|

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

| | |
|---------------------|-------------------|
| Additional Features | Hardware Included |
| 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) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Pb (3.7% in Component Part) Article Safe Usage Statements: 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 # 5227426-1
BNC BLKHD RECPT SEALED



TE Part # 413476-2
JACK, DECOUPLER, PCB, VERT, BNC



TE Part # 5330876
BNC PLUG



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



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



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



TE Part # 5221128-1
PLUG, COMMERCIAL BNC



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

Customers Also Bought



TE Part #5177983-6
0.8FH, R05H.5, 140, 08/Sn, TU



TE Part #9-215570-0
MICRO-MATCH PBC.20P



TE Part #4-1879021-1
SMW3 4R7 5%



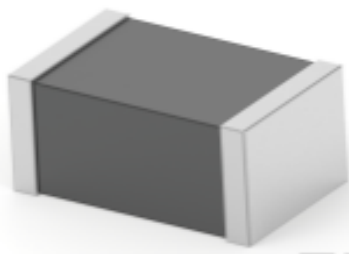
TE Part #2178415-1
MJ, RJ45, SMT, SHLD



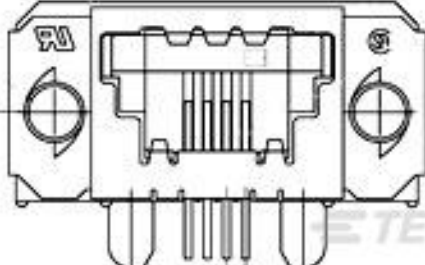
TE Part #1676419-2
RN 0805 6K98 0.1% 10PPM 1KRL



TE Part #2-1734035-2
MINI USB, TYPE B, R/A, SMT



TE Part #2176487-2
BMC 0805 60R 25% A Med C



TE Part #5-1761185-3
8 SDL SE GRND RCPT ASSY



TE Part #5-826648-0
50P AMPMODU II STIFT LEI

Documents



CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_227161-2_AV.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_227161-2_AV.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_227161-2_AV.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

Product Specification

English

Product Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English