

5227161-7 ✓ ACTIVE

TE Internal #: 5227161-7

BNC RF Interface, Jack, 50 Ω, Bayonet, 4 GHz Operating Frequency, Cable-to-Board, 1 Position, Printed Circuit Board, Panel Mount

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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 \(42\)](#)

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

| | |
|---|------------|
| EMI & RFI Protection & Suppression Type | PCB Ground |
| Impedance | 50 Ω |

Body Features



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

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

Contact Features

| | |
|---|--------|
| RF Connector Center Contact Underplating Material | Nickel |
|---|--------|

30 μ m

| | |
|--|------|
| RF Connector Center Contact Plating Material | Gold |
|--|------|

| | |
|--------------------------------------|-----------------|
| RF Connector Center Contact Material | Phosphor Bronze |
|--------------------------------------|-----------------|

Termination Features

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

| | |
|---|-----------------------|
| Termination Method to Printed Circuit Board | Through Hole - Solder |
|---|-----------------------|

Mechanical Attachment

| | |
|------------------------|------------|
| Panel Attachment Style | Rear Mount |
|------------------------|------------|

| | |
|---------------------|------|
| PCB Mount Retention | With |
|---------------------|------|

| | |
|--------------------------|--------------------|
| Panel Mount Feature Type | Lockwasher and Nut |
|--------------------------|--------------------|

| | |
|---------------------------------|---------|
| RF Connector Coupling Mechanism | Bayonet |
|---------------------------------|---------|

| | |
|-------------------------|-------------|
| Connector Mounting Type | Panel Mount |
|-------------------------|-------------|

| | |
|-------------------------------|--------|
| RF Contact Captivation Method | Solder |
|-------------------------------|--------|

| | |
|--------|------|
| Detent | With |
|--------|------|

Housing Features

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|---------------|-------|
| Housing Color | White |
|---------------|-------|

Dimensions

| | |
|----------------------|------------------|
| Mounting Post Length | 3.48 mm[.137 in] |
|----------------------|------------------|

| | |
|-------------------------|-------------------|
| Profile Height from PCB | 13.18 mm[.519 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 Quantity | 35 |
|--------------------|----|

| | |
|------------------|------------------|
| Packaging Method | Box & Tube, Tube |
|------------------|------------------|



Other

| | |
|----------------------|---|
| RF Connector Comment | If an Insulating Bushing is required, see Part Number 330620. |
| 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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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 |

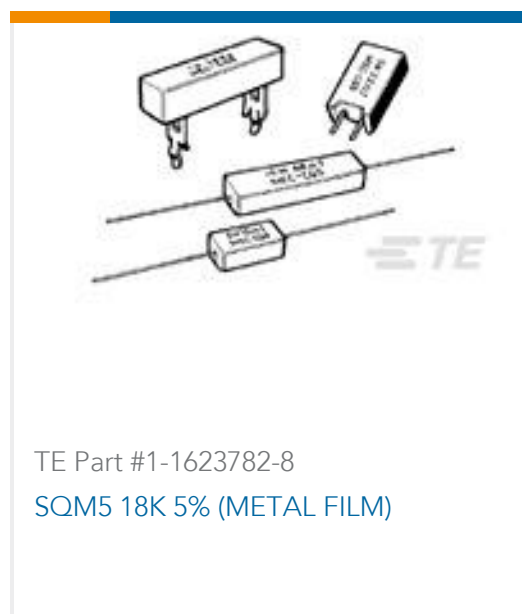
Product Compliance Disclaimer

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

| | | | |
|---|--|--|--|
|  <p>TE Part # CAT-076-BNCJKISG50 BNC RF Connector: Jack Assembly, Isolated Ground Protection, 50 Ohm</p> |  <p>TE Part # CAT-076-BNCJKSH50 BNC RF Connector: jack assembly - short, 50 Ohm, 4Ghz</p> |  <p>TE Part # 5413771-3 JACK BLKHD,COML BNC,HEX CRIMP</p> |  <p>TE Part # 1-5227079-6 COMM BNC PLUG</p> |
|  <p>TE Part # 5413779-3 COML BNC,50 OHM, HEX CRIMP</p> |  <p>TE Part # 1-329631-2 JAM NUT, PLATED</p> |  <p>TE Part # 5227169-5 BNC - SOLDER RECEPT</p> |  <p>TE Part # 5227169-7 BNC SOLDER JACK RECEPTACLE</p> |
|  <p>TE Part # 5227169-8 BNC - SOLDER RECEPT</p> |  <p>TE Part # 5228979-7 JACK,COML,SERIES BNC,GOLD PL</p> |  <p>TE Part # 5228980-6 JACK,BHD,COML,SERIES BNC,GOLD</p> |  <p>TE Part # 5227079-5 COMM BNC PLUG</p> |
|  <p>TE Part # 5227079-6 COMM. BNC-PLUG</p> |  <p>TE Part # 8-5227079-2 COMM BNC PLUG</p> |  <p>TE Part # 1-5227079-1 COMM BNC PLUG</p> |  <p>TE Part # 228979-7 JACK,COML,SERIES BNC,GOLD PL</p> |
|  <p>TE Part # 413779-3 COML BNC,50 OHM, HEX CRIMP</p> |  <p>TE Part # 5228980-7 JACK,BHD,COML,SERIES BNC,GOLD</p> |  <p>TE Part # 5330876 BNC PLUG</p> |  <p>TE Part # 228979-6 JACK,COML,SERIES BNC,GOLD PL</p> |

Customers Also Bought



Documents

Product Drawings

[RTANG JACK W/MTG PINS, BNC PCB](#)

English

CAD Files

[3D PDF](#)

3D

[Customer View Model](#)

[ENG_CVM_CVM_5227161-7_B.2d_dxf.zip](#)

English

[Customer View Model](#)

[ENG_CVM_CVM_5227161-7_B.3d_igs.zip](#)

English

[Customer View Model](#)

[ENG_CVM_CVM_5227161-7_B.3d_stp.zip](#)

English

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Datasheets & Catalog Pages



BNC Connectors

English

Product Specifications

Product Specification

English

Product Specification

English

Product Environmental Compliance

MD_5227161-7_05102012826

English

MD_5227161-7_05102012826

English

Instruction Sheets

Instruction Sheet (U.S.)

English