

**1-5227161-7**  ACTIVE

TE Internal #: 1-5227161-7  
BNC Connector, Jack, 50 ohm, Bayonet, 4 GHz, Cable-to-Board, 1 Position, Printed Circuit Board, Panel Mount, -55 – 85 °C [-67 – 185 °F]

[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

### Housing Features

Housing Color	Black
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### Termination Features

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

### Other

Grade	Commercial
Lockwasher Material	Phosphor Bronze
Additional Features	Hardware Included
Coupling Nut Base Material	Brass
Dielectric Material	Polymethylpentene
EU RoHS Compliance	Compliant with Exemptions
EU ELV Compliance	Compliant with Exemptions

### 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

### Usage Conditions

Insulation Option	Uninsulated
Operating Temperature Range	-55 – 85 °C [-67 – 185 °F]

### Configuration Features

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

### 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

### Electrical Characteristics

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

### 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]

### Product Type Features

Connector Product Type	Connector Kit
Connector Shape	Circular
RF Interface	BNC
RF Connector Style	Jack
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

### Operation/Application

Operating Frequency	4 GHz
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## Body Features

Body Material	Polyester, PBT
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## Packaging Features

Packaging Method	Package
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## Product Compliance

For compliance documentation, visit the product page on [TE.com](http://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: JAN 2021 (211) SVHC > Threshold: Pb (3.7% in Component part) <small>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.</small>
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

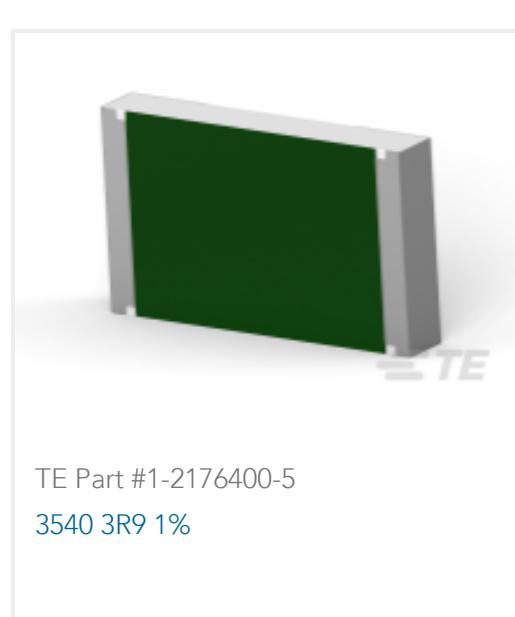
### Product Compliance Disclaimer

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

TE Part # 5413959-3  
BNC HEX RT ANG PLUG 50 OHMTE Part # 2-5221128-3  
PLUG,COMMERCIAL BNCTE Part # 2-329631-0  
JAM NUT, PLATEDTE Part # 2-221128-3  
PLUG,COMMERCIAL BNCTE Part # 1-221128-0  
PLUG,COMMERCIAL BNCTE Part # 5221128-1  
PLUG,COMMERCIAL BNC

## Customers Also Bought

TE Part #4-1825059-1  
ADF08ST04=DIP SWT,FLUSH,SMT-GWTE Part #5535512-1  
12 MODII HORZ DR CETE Part #7-1879208-0  
CPF 0402 7K5 0.1% 25PPM 1K RLTE Part #1761681-9  
IDC LOW PRO HDR 26P VERT HT  
BLACKTE Part #1-2176400-5  
3540 3R9 1%TE Part #1-928776-6  
MOD2 STIFT M A-PINTE Part #7-1676914-7  
YR1 0.1% 634RTE Part #6368419-1  
INV MJ,1X2,PNL GRD,LED (G/Y)TE Part #364100-E  
DRCBTB 1,27 12 M BTB32 30,2 137 \*  
094 TRTE Part #5749765-3  
SCREWLOCK M2.6 FEM PLTD

## Documents

## CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-5227161-7\\_B.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-5227161-7\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-5227161-7\\_B.3d\\_stp.zip](#)

English

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

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## Product Specifications

[Product Specification](#)

English

[Product Specification](#)

English

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## Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English