

5413969-2 ✓ ACTIVE

TE Internal #: 5413969-2

BNC RF Interface, Jack, 50 Ω, Bayonet, 4 GHz Operating

Frequency, Cable-to-Board, 1 Position, Printed Circuit Board, Board

Mount

[View on TE.com >](#)



Connectors > RF Connectors > Coax Connectors > BNC Vertical 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 Vertical Jack RF Connector, 50 Ohm, Bayonet Coupling Mechanism \(32\)](#)

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	Vertical
Number of Positions	1
Number of Coaxial Contacts	1

Electrical Characteristics

Impedance	50 Ω
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Body Features

Body Material	Zinc
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Body Plating Material	Tin
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Contact Features

RF Connector Center Contact Underplating Material	Nickel
	1080 μ m
RF Connector Center Contact Plating Material	Gold
RF Connector Center Contact Material	Beryllium Copper

Termination Features

Termination Post & Tail Length	3.3 mm[.13 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

PCB Mount Retention	Without
RF Connector Coupling Mechanism	Bayonet
Connector Mounting Type	Board Mount
RF Contact Captivation Method	Mechanical
Detent	With

Dimensions

Profile Height from PCB	20.57 mm[.81 in]
RF Connector Mated Outer Diameter (Approximate)	14.53 mm[.572 in]

Usage Conditions

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

Operation/Application

Operating Frequency	4 GHz
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Packaging Features

Packaging Method	Carton
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Other

Grade	Commercial
Dielectric Material	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	<p>Current ECHA Candidate List: JUNE 2023 (235)</p> <p>Candidate List Declared Against: JUNE 2023 (235)</p> <p>SVHC > Threshold:</p> <p>Pb (.6% in Component Part)</p> <p>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.</p>
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: Jack Assembly, Isolated Ground Protection, 50 Ohm



TE Part # CAT-076-BNCJKSH50
BNC RF Connector: jack assembly - short, 50 Ohm, 4Ghz



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



TE Part # 1-5227079-6
COMM BNC PLUG

 <p>TE Part # 5413779-3 COML BNC,50 OHM, HEX CRIMP</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 # 2016080-2 JACK,PCB,COMMERCIAL BNC</p>	 <p>TE Part # 228979-6 JACK,COML,SERIES BNC,GOLD PL</p>	 <p>TE Part # 228980-6 JACK,BHD,COML,SERIES BNC,GOLD</p>

Customers Also Bought

 <p>TE Part #1-5747871-4 09 PLUG SP/FMS SCRLK</p>	 <p>TE Part #641972-3 09P UMNL PIN HDR ASSY 94VO LF</p>	 <p>TE Part #2-1956164-5 RY900137R (RY211024R)</p>
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Documents



Product Drawings

[JACK,PCB,VERT,COMMERCIAL BNC](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_5413969-2_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5413969-2_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5413969-2_A.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[BNC Connectors](#)

English

Product Specifications

[Product Specification](#)

English

Product Environmental Compliance

[MD_5413969-2_04222014154_dmtec](#)

English

[MD_5413969-2_04222014154_dmtec](#)

English

Instruction Sheets

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

English