



TE Internal #: 5415025-1

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

Operating Frequency, Cable-to-Board, 1 Position, Printed Circuit Board, Panel Mount

[View on TE.com >](#)

Connectors > RF Coax Connectors > RF 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

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 μin
RF Connector Center Contact Plating Material	Gold
RF Connector Center Contact Material	Phosphor Bronze

Termination Features

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

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

Profile Height from PCB	10.97 mm[.432 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
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Packaging Features

Packaging Method	Tray
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Other

Additional Features	Hardware Included
Grade	Commercial
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: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Pb (4% 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	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
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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 # 5-1634516-1 BNC RM BHJ Hex 50Ohm Nickel Pltd RG58C/U	 TE Part # 5413771-3 JACK BLKHD,COML BNC,HEX CRIMP
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TE Part # 1-5227079-6
COMM BNC PLUG



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



TE Part # 5227169-5
BNC - SOLDER RECEPT



TE Part # 5227169-7
BNC SOLDER JACK RECEPTACLE



TE Part # 5227169-8
BNC - SOLDER RECEPT



TE Part # 5228979-7
JACK,COML,SERIES BNC,GOLD PL



TE Part # 5228980-6
JACK,BHD,COML,SERIES BNC,GOLD



TE Part # 5228980-7
JACK,BHD,COML,SERIES BNC,GOLD



TE Part # 5227426-1
BNC BLKHD RECPT SEALED



TE Part # 228979-7
JACK,COML,SERIES BNC,GOLD PL



TE Part # 413779-3
COML BNC,50 OHM, HEX CRIMP



TE Part # 228979-6
JACK,COML,SERIES BNC,GOLD PL



TE Part # 228980-6
JACK,BHD,COML,SERIES BNC,GOLD



TE Part # 228980-7
JACK,BHD,COML,SERIES BNC,GOLD



TE Part # 414265-3
PLUG, TWIST ON, COML BNC



TE Part # 5228979-6
JACK,COML,SERIES BNC,GOLD PL

Documents

Product Drawings

JACK, RTANG, PCB, 50 OHM, BNC

English

CAD Files

3D PDF

3D

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

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

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Datasheets & Catalog Pages

[BNC Connectors](#)

English

Product Specifications

[Product Specification](#)

English

[AMP COMMON TERMINATION \(CT\), CONNECTOR, 2mm PITCH, M/T TYPE, LEAD FREE VERSION](#)

Japanese

[Product Specification](#)

Japanese

Product Environmental Compliance

[TE Material Declaration](#)

English

Instruction Sheets

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

English