

5414168-3 ✓ ACTIVE

TE Internal #: 5414168-3

RF Connectors, TNC RF Interface, Jack, 50 Ω , RG 174 / RG 316 / RG 188, Threaded, 4 GHz Operating Frequency, Cable-to-Cable, 1 Position, Sealable

[View on TE.com >](#)



Connectors > RF Coax Connectors > RF Connectors > TNC Connector: Jack, 50 Ohm



RF Interface: **TNC**

RF Connector Style: **Jack**

RF Connector Mated Outer Diameter (Approximate): **16.26 mm [.64 in]**

Impedance: **50 Ω**

Compatible With RF Cable Type: **RG 174, RG 188, RG 316**

[All TNC Connector: Jack, 50 Ohm \(3\)](#)

Features

Product Type Features

Connector Seal Type	Gasket
RF Interface	TNC
RF Connector Style	Jack
Compatible With RF Cable Type	RG 174, RG 188, RG 316
Connector System	Cable-to-Cable
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	1
Number of Coaxial Contacts	1

Electrical Characteristics

Impedance	50 Ω
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Body Features



Cable Connector Orientation	Straight
Body Material	Zinc
Body Plating Material	Nickel

Contact Features

RF Connector Center Contact Underplating Material	Nickel
Crimp Type	Dual
RF Connector Center Contact Plating Material	Gold
RF Connector Center Contact Material	Beryllium Copper

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

PCB Mount Retention	Without
RF Connector Coupling Mechanism	Threaded
Connector Mounting Type	Panel Mount
RF Contact Captivation Method	Mechanical
Detent	Without

Dimensions

Panel Thickness (Recommended)	6.35 mm[.25 in]
RF Connector Mated Outer Diameter (Approximate)	16.26 mm[.64 in]

Usage Conditions

Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]
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Operation/Application

Operating Frequency	4 GHz
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Packaging Features

Packaging Method	Carton
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Other

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	<p>Current ECHA Candidate List: JUNE 2022 (224)</p> <p>Candidate List Declared Against: JUNE 2022 (224)</p> <p>SVHC > Threshold: Pb (3.7% 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	Not applicable for solder process capability

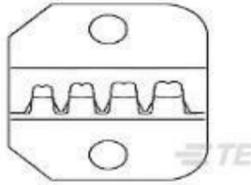
Product Compliance Disclaimer

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 # 1-329631-2
JAM NUT, PLATED



TE Part # 318450-2
PROCRIMP DIE ASSY, BNC, TNC



TE Part # 225555-6
TNC PLUG DUAL W/P TR



TE Part # 1-225554-1
TNC-DUAL CMP R/ANGLE PLUG-W/P



Documents

Product Drawings

[JACK,BULKHEAD,COM'L TNC](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_5414168-3_O.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5414168-3_O.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5414168-3_O.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[TNC Connectors](#)

English

Product Specifications

[Connector, TNC Series, Coaxial, Commercial](#)

English

[Product Specification](#)

English

[Product Specification](#)

English

[Commercial BNC Coaxial Bulkhead Jacks](#)

English