



Connectors > RF Coax Connectors > RF Connectors > TNC Connector: Female (Plug), 50 Ohm



RF Interface: **TNC**

RF Connector Style: **Plug**

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

Impedance: **50 Ω**

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

[All TNC Connector: Female \(Plug\), 50 Ohm \(9\)](#)

Features

Product Type Features

RF Interface	TNC
RF Connector Style	Plug
Compatible With RF Cable Type	RG 174, RG 174A, RG 188, RG 188A, RG 316
Connector System	Cable-to-Cable
Sealable	No
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

Body Shape	Circular
Cable Connector Orientation	Right Angle
Body Material	Zinc
Body Plating Material	Nickel

Contact Features

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

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

RF Connector Coupling Mechanism	Push-On
RF Contact Captivation Method	Mechanical
Detent	Without

Dimensions

RF Connector Mated Outer Diameter (Approximate)	16.26 mm[.64 in]
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Usage Conditions

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

Operating Frequency	11 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	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JUN 2016 (169) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content

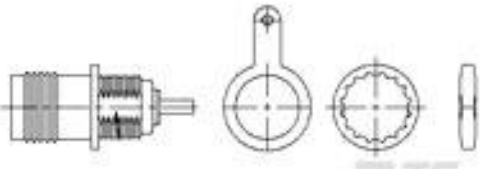
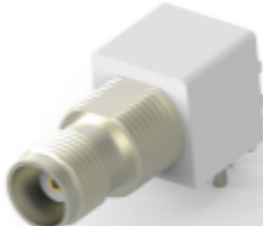
Solder Process Capability

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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

 TE Part # CAT-076-TNCM50 TNC Connector: Male (Jack), 50 Ohm	 TE Part # 5221199-5 JACK,75 OHM COML BNC	 TE Part # 5221185-8 PLUG,75 OHM,COMMERCIAL BNC	 TE Part # 1274568-3 PLUG KIT, STRAIGHT, MINI BNC
 TE Part # 5-1814804-1 TNC BHSkt + TAG 50Ohm Nickel Pltd	 TE Part # 5-1814804-3 TNC BHSkt + Tag 75Ohm Nickel Gold Pltd	 TE Part # 5-1814805-1 TNC Str PCB Skt 50Ohm Nickel Pltd 22.3	 TE Part # 5-1814807-1 TNC Ins PCB Skt 50Ohm White MP
 TE Part # 5221185-9 PLUG,75 OHM,COML BNC	 TE Part # 5227818-1 TNC PCB RT ANGLE	 TE Part # 5227835-1 TNC PCB VERT JACK W/POST	 TE Part # 413933-1 JACK, RTANG, PCB, 50 OHM, TNC



 TE Part # 5227839-1 TNC PCB RT ANGLE JACK	 TE Part # 227839-1 TNC PCB RT ANGLE JACK	 TE Part # 5-1814802-3 TNC RM BHJ Hex 50Ohm Nickel Pltd RG58	 TE Part # 5227820-1 TNC PCB VERT
 TE Part # 227765-2 TNC JACK ASS'Y	 TE Part # 227820-1 TNC PCB VERT	 TE Part # 5227764-2 TNC SOLDER RECEPT JACK LONG	

Customers Also Bought

 TE Part #273122-000 Bulbous Heat Shrink Boots: Lipped, Right Angle	 TE Part #398703-000 55PC0224-22-2/6CS2502	 TE Part #F85856-000 D-438-0101	 TE Part #CN3653-000 TTVF COLOR CODING FLAGGING PVF LABELS
 TE Part #5-1617802-5 FCAC-150NC-KU4=50 AMP NC W /AUX RELAY	 TE Part #248092-000 ST18-4-00	 TE Part #CU2128-000 22759/43-10-5	 TE Part #EF6026-000 22759/43-4-0
 TE Part #ZPF000000000148762 DMC-M 99-04 AN (=33537-P0000)	 TE Part #1811650-1 STRAIN RELIEF KIT,GPRB2		

Documents



Product Drawings

COML TNC R/A PLUG

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_414173-3_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_414173-3_H.3d_igs.zip

English

Customer View Model

ENG_CVM_414173-3_H.3d_stp.zip

English

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

Instruction Sheets

Instruction Sheet (U.S.)

English

AMP 50-OHM RF SERIES TNC RIGHT-ANGLE DUAL CRIMP PLUG CONNECTORS 414173-[]

English