TE Internal #: 2081972-1

RF Connectors, 4.3-10 RF Interface, Plug, RF Connector Mated

Outer Diameter (Approximate) 1.378 in [35 mm], 50  $\Omega$ 

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#### Connectors > RF & Coax Connectors > RF Connectors



RF Interface: 4.3-10

RF Connector Style: Plug

RF Connector Mated Outer Diameter (Approximate): 35 mm [ 1.378 in ]

Impedance:  $50 \Omega$ 

Compatible With RF Cable Type: 7/8" Cable

## **Features**

## **Product Type Features**

Connector Product Type	Connector Assembly
RF Interface	4.3-10
RF Connector Style	Plug
Compatible With RF Cable Type	7/8" Cable
Connector System	Cable-to-Cable
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Connector Seal Type	Interface Seal
Configuration Features	
Number of Mounting Legs	0
Number of Signal Positions	1

## **Electrical Characteristics**

Number of Coaxial Contacts

Insulation Resistance	5000 MΩ
Voltage Rating	2500 VAC
Impedance	50 Ω

## **Body Features**

Body Shape	Circular
Body Shape	Circular



Body Material Finish Body Plating Meterial  Contact Features  8F Connector Center Contact Plating Material  8F Connector Center Contact Material  8F Connector Center C	Cable Connector Orientation	Straight
Body Plating Material White Bronze  Contact Features  RF Connector Center Contact Plating Material Silver  RF Connector Center Contact Material Bronze  Termination Features  Termination Method to Wire & Cable Clamp  Termination Post & Tail Length Omm[0 in]  Mechanical Attachment  Mounting Hardware Type Fixing Screw  Mating Retention Type Screw  Attractor Coupling Mechanism Screw  Connector Mounting Type Cable Mount (Free-Hanging)  RF Connector Mounting Type Cable Mount (Free-Hanging)  RF Contact Captivation Method Screw  Dimensions  Product Length Ss. 8 mm  RF Connector Mated Outer Diameter (Approximate) 35 mm[1.378 in]  Usage Conditions  Operating Temperature Range 40 – 85 °C, 40 – 85 °C[ 40 – 185 °F][ 40 – 185 °F]  Operating Trequency 0 – 6 GHz  Packaging Features  Packaging Quantity 100  Packaging Method Box  Other  Cable Entry Sitraight  Nickel  Coupling Nut Plating Material Nickel  Coupling Nut Plating Finish Plated	Body Material	Brass
Contact Features  RF Connector Center Contact Plating Material Silver  RF Connector Center Contact Material Bronze  Termination Features  Termination Method to Wire & Cable Clamp  Termination Post & Tail Length Omm(0 in)  Mechanical Attachment  Mounting Hardware Type Fixing Screw  Mating Retention Type Screw  RF Connector Coupling Mechanism Screw  Connector Mounting Type Cable Mount (Free-Hanging)  RF Contact Captivation Method Screw  Dimensions  Product Length SS.8 mm  RF Connector Mated Outer Diameter (Approximate) 35 mm[1.378 in]  Usage Conditions  Operating Temperature Range 40 85 °C, 40 85 °C[ 40 185 °F[ 40 185 °F[ 40 185 °F] 40 185 °F[ 40 185 °F] 40 185 °F[ 40 185 °F[ 40 185 °F] 40 185 °F[ 40 185 °F] 40 185 °F[ 40 185 °F[ 40 185 °F] 40 185 °F[ 40 185 °F[ 40 185 °F] 40 185 °F[ 40 185 °F[ 40 185 °F] 40 185 °F[ 40 185 °F[ 40 185 °F] 40 185 °F[ 40 185 °F[ 40 185 °F] 40 185 °F[ 40 185 °F[ 40 185 °F] 40 185 °F[ 40 185 °F[ 40 185 °F] 40 185 °F[ 40 185 °F[ 40 185 °F] 40 185 °F[ 40 185 °F[ 40 185 °F] 40 185 °F[ 40 185 °F[ 40 185 °F] 40 185 °F[ 40 185 °F[ 40 185 °F] 40 185 °F[ 40 185 °F[ 40 185 °F] 40 185 °F[ 40 185 °F[ 40 185 °F[ 40 185 °F] 40 185 °F[ 40 185 °F[ 40 185 °F[ 40 185 °F[ 40 185 °F] 40 185 °F[	Body Material Finish	Bright
RF Connector Center Contact Plating Material Bronze  Termination Features  Termination Method to Wire & Cable Clamp Termination Post & Tail Length 0 mm/[0 in]  Mechanical Attachment  Mounting Hardware Type Fixing Screw  Mating Retention Type Screw  RF Connector Coupling Mechanism Screw  Connector Mounting Type Cable Mount (Free-Hanging)  RF Contact Captivation Method Screw  Dimensions  Product Length S8 8 mm  RF Connector Mated Outer Diameter (Approximate) 35 mm/[1.378 in]  Usage Conditions  Operating Temperature Range 40 85 °C, 40 85 °C, 40 85 °C, 40 185 °F] (40 - 185	Body Plating Material	White Bronze
RF Connector Center Contact Material  Termination Features  Termination Method to Wire & Cable Clamp  Termination Post & Tail Length O mm[0 in]  Mechanical Attachment  Mounting Hardware Type Fixing Screw Mating Ratention Type Screw  RF Connector Coupling Mechanism Connector Mounting Type RF Contact Captivation Method Screw  Cable Mount (Free Hanging)  RF Contact Captivation Method Screw  Dimensions  Product Length Ri Connector Mated Outer Diameter (Approximate)  Usage Conditions  Operating Temperature Range 40 – 85 °C, 40 – 85 °C [40 – 185 °F][40 – 185 °F]  Operating Frequency Operating Frequency Packaging Features  Packaging Quantity 100 Packaging Method Box  Other  Cable Entry Cable Entry Coupling Nut Plating Material Coupling Nut Plating Material Coupling Nut Plating Finish Plated	Contact Features	
Termination Features  Termination Method to Wire & Cable Clamp  Termination Post & Tail Length 0 mm[0 in]  Mechanical Attachment  Mounting Hardware Type Eixing Screw  Mating Retention Type Screw  RI Connector Coupling Mechanism Screw  Connector Mounting Type Cable Mount (Free Hanging)  RF Contact Captivation Method Screw  Dimensions  Product Length 58.8 mm  RI Connector Mated Outer Diameter (Approximate) 35 mm[1.378 in]  Usage Conditions  Operating Temperature Range 40 = 40 = 85 °C, 40 = 85 °C[40 = 185 °F][40 = 185 °F]  Operating Temperature Range 100 = 6 GHz  Packaging Features  Packaging Quantity 100  Packaging Method Box  Other  Cable Entry Straight Coupling Nut Plating Material Nickel Coupling Nut Plating Finish Plated	RF Connector Center Contact Plating Material	Silver
Termination Method to Wire & Cable Termination Post & Tail Length Ormri[O in]  Mechanical Attachment  Mounting Hardware Type Fixing Screw Mating Retention Type Screw RF Connector Coupling Mechanism Screw Connector Mounting Type Cable Mount (Free-Hanging) RF Contact Captivation Method Screw  Dimensions  Product Length Rf Connector Mated Outer Diameter (Approximate)  Usage Conditions  Operating Temperature Range 40 – 85 °C, 40 – 85 °C] 40 – 185 °F] 40 – 185 °F]  Operation/Application  Operating Frequency 0 – 6 GHz  Packaging Features  Packaging Quantity 100 Packaging Method Box  Other  Cable Entry Cable Entry Straight Coupling Nut Plating Material Coupling Nut Plating Finish Plated	RF Connector Center Contact Material	Bronze
Termination Post & Tail Length  Mechanical Attachment  Mounting Hardware Type  Mating Retention Type  RF Connector Coupling Mechanism  Connector Mounting Type  RF Contact Captivation Method  Screw  Contact Captivation Method  Screw  Dimensions  Product Length  RF Connector Mated Outer Diameter (Approximate)  Usage Conditions  Operating Temperature Range  -40 - 85 °C, -40 - 85 °C[-40 - 185 °F][-40 - 185 °F]  Operation/Application  Operating Frequency  O-6 GHz  Packaging Features  Packaging Quantity  100  Packaging Method  Other  Cable Entry  Straight  Coupling Nut Plating Material  Nickel  Coupling Nut Plating Finish  Plated	Termination Features	
Mechanical Attachment       Fixing Screw         Mounting Flandware Type       Fixing Screw         Mating Retention Type       Screw         RF Connector Coupling Mechanism       Screw         Connector Mounting Type       Cable Mount (Free Hanging)         RF Contact Captivation Method       Screw         Dimensions         Product Length       58.8 mm         RF Connector Mated Outer Diameter (Approximate)       35 mm[1.378 in]         Usage Conditions         Operating Temperature Range       ~40 - 85 °C, ~40 - 85 °C[~40 - 185 °F][~40 - 185 °F][~40 - 185 °F]         Operating Temperature Range       0 - 6 GHz         Packaging Features         Packaging Gouantity       100         Packaging Method       Box         Other         Cable Entry       Straight         Coupling Nut Plating Material       Nickel         Coupling Nut Plating Finish       Plated	Termination Method to Wire & Cable	Clamp
Mounting Hardware Type  Mating Retention Type  Screw  RF Connector Coupling Mechanism  Connector Mounting Type  RF Contact Captivation Method  Screw  Conduct Length  RF Connector Mated Outer Diameter (Approximate)  Usage Conditions  Operating Temperature Range  -40 - 85 °C, -40 - 85 °C, -40 - 185 °F[-40 - 185 °F]-40 - 185 °F]  Operating Frequency  Operating Frequency  Packaging Features  Packaging Quantity  Packaging Quantity  Coupling Nut Plating Material  Coupling Nut Plating Finish  Plated	Termination Post & Tail Length	0 mm[0 in]
Mating Retention Type  RF Connector Coupling Mechanism  Screw  Connector Mounting Type  Cable Mount (Free-Hanging)  RF Contact Captivation Method  Screw  Dimensions  Product Length  RF Connector Mated Outer Diameter (Approximate)  Usage Conditions  Operating Temperature Range  -40 - 85 °C, -40 - 85 °C -40 - 185 °F  -40 - 185 °F  -40 - 185 °F   Operating Frequency  Operating Frequency  Packaging Features  Packaging Quantity  100  Packaging Method  Box  Other  Cable Entry  Coupling Nut Plating Material  Nickel  Coupling Nut Plating Finish	Mechanical Attachment	
RF Connector Coupling Mechanism  Connector Mounting Type  RF Contact Captivation Method  Screw  Dimensions  Product Length  RF Connector Mated Outer Diameter (Approximate)  Usage Conditions  Operating Temperature Range  Operation/Application  Operating Frequency  Packaging Features  Packaging Quantity  Packaging Method  Other  Cable Entry  Coupling Nut Plating Finish  Screw  Cable Mount (Free-Hanging)  Screw  Dalle Mount (Free-Hanging)  Screw  Dalle Mount (Free-Hanging)  Screw  Dimensions  Packaging Food  Screw  Dimensions  Packaging Features  Packaging Temperature Range  100  Box  Other  Cable Entry  Straight  Coupling Nut Plating Material  Nickel  Plated	Mounting Hardware Type	Fixing Screw
Connector Mounting Type Cable Mount (Free-Hanging)  RF Contact Captivation Method Screw  Dimensions  Product Length 58.8 mm  RF Connector Mated Outer Diameter (Approximate) 35 mm[1.378 in]  Usage Conditions  Operating Temperature Range 40 – 40 – 85 °C, -40 – 85 °C[-40 – 185 °F][-40 – 185 °F]  Operation/Application  Operating Frequency 0 – 6 GHz  Packaging Features  Packaging Quantity 100  Packaging Method Box  Other  Cable Entry Straight  Coupling Nut Plating Material Nickel  Coupling Nut Plating Finish Plated	Mating Retention Type	Screw
Dimensions  Product Length 58.8 mm  RF Connector Mated Outer Diameter (Approximate) 35 mm[1.378 in]  Usage Conditions  Operating Temperature Range -40 - 85 °C, -40 - 85 °C[-40 - 185 °F][-40 - 185 °F]  Operating Frequency 0 - 6 GHz  Packaging Features  Packaging Quantity 100  Packaging Method Box  Other  Cable Entry Straight  Coupling Nut Plating Material Nickel  Coupling Nut Plating Finish Plated	RF Connector Coupling Mechanism	Screw
Dimensions  Product Length 58.8 mm  RF Connector Mated Outer Diameter (Approximate) 35 mm[1.378 in]  Usage Conditions  Operating Temperature Range -40 - 85 °C, -40 - 85 °C[-40 - 185 °F][-40 - 185 °F]  Operation/Application  Operating Frequency 0 - 6 GHz  Packaging Features  Packaging Quantity 100  Packaging Method Box  Other  Cable Entry Straight  Coupling Nut Plating Material Nickel  Coupling Nut Plating Finish Plated	Connector Mounting Type	Cable Mount (Free-Hanging)
Product Length  RF Connector Mated Outer Diameter (Approximate)  Usage Conditions  Operating Temperature Range  -40 - 85 °C, -40 - 85 °C[-40 - 185 °F][-40 - 185 °F]  Operation/Application  Operating Frequency  O-6 GHz  Packaging Features  Packaging Quantity  Packaging Method  Other  Cable Entry  Coupling Nut Plating Material  Coupling Nut Plating Finish  Straight  Nickel  Coupling Nut Plating Finish	RF Contact Captivation Method	Screw
RF Connector Mated Outer Diameter (Approximate)  Usage Conditions  Operating Temperature Range  -40 - 85 °C, -40 - 85 °C[-40 - 185 °F][-40 - 185 °F][-40 - 185 °F]]  Operation/Application  Operating Frequency  O-6 GHz  Packaging Features  Packaging Quantity  100  Packaging Method  Box  Other  Cable Entry  Coupling Nut Plating Material  Nickel  Coupling Nut Plating Finish  Plated	Dimensions	
Usage Conditions  Operating Temperature Range -40 – 85 °C, -40 – 85 °C[-40 – 185 °F][-40 – 185 °F][-	Product Length	58.8 mm
Operating Temperature Range  -40 - 85 °C, -40 - 85 °C[-40 - 185 °F][-40	RF Connector Mated Outer Diameter (Approximate)	35 mm[1.378 in]
Operation/Application Operating Frequency Operating Frequency O - 6 GHz  Packaging Features Packaging Quantity 100 Packaging Method Box Other  Cable Entry Cable Entry Coupling Nut Plating Material Nickel Coupling Nut Plating Finish Plated	Usage Conditions	
Operating Frequency 0 – 6 GHz  Packaging Features  Packaging Quantity 100  Packaging Method Box  Other  Cable Entry Straight  Coupling Nut Plating Material Nickel  Coupling Nut Plating Finish Plated	Operating Temperature Range	· · · · · · · · · · · · · · · · · · ·
Packaging Features  Packaging Quantity  100  Packaging Method  Box  Other  Cable Entry  Coupling Nut Plating Material  Nickel  Coupling Nut Plating Finish  Plated	Operation/Application	
Packaging Quantity100Packaging MethodBoxOtherCable EntryStraightCoupling Nut Plating MaterialNickelCoupling Nut Plating FinishPlated	Operating Frequency	0 – 6 GHz
Packaging Method  Other  Cable Entry  Coupling Nut Plating Material  Coupling Nut Plating Finish  Plated	Packaging Features	
OtherCable EntryStraightCoupling Nut Plating MaterialNickelCoupling Nut Plating FinishPlated	Packaging Quantity	100
Cable Entry  Coupling Nut Plating Material  Coupling Nut Plating Finish  Plated	Packaging Method	Box
Coupling Nut Plating Material  Coupling Nut Plating Finish  Plated	Other	
Coupling Nut Plating Finish  Plated	Cable Entry	Straight
	Coupling Nut Plating Material	Nickel
Gasket Material Silicone Rubber	Coupling Nut Plating Finish	Plated



Coupling Nut Style	Hex
Coupling Nut Base Material	Brass
Dielectric Material	PTFE

## **Product Compliance**

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Not Yet Reviewed
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	Not reviewed for China RoHS compliance
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Not Yet Reviewed
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not reviewed 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 Model / Part # 2081974-1 4.3-10 STR JACK,FLANGE,SOLDER, 380 CABLE



RG141



## **Documents**

## **Product Drawings**

4.3-10 STR PLUG, SCREW, CLAMP, 7-8 CABLE

English

### **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_2081972-1\_A.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2081972-1\_A.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2081972-1\_A.3d\_stp.zip

English

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## **Product Specifications**

**Product Specification** 

English