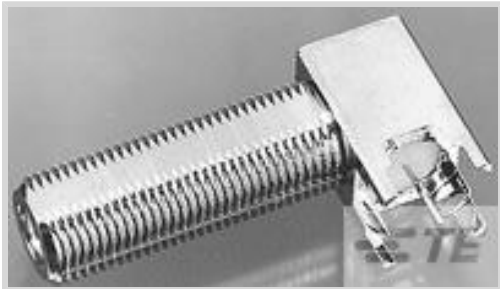




Connectors > RF & Coax Connectors > RF Connectors



RF Interface: **F Series**

RF Connector Style: **Jack**

RF Connector Mated Outer Diameter (Approximate): **9.65 mm [.38 in]**

Impedance: **75 Ω**

RF Connector Coupling Mechanism: **Screw**

Features

Product Type Features

RF Interface	F Series
RF Connector Style	Jack
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Port Configuration	Single Port
Number of Positions	1
PCB Mount Orientation	Right Angle
Number of Coaxial Contacts	1

Electrical Characteristics

Impedance	75 Ω
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Body Features

Body Material	Brass
Body Plating Material	Nickel

Contact Features

RF Connector Center Contact Plating Material	Tin
RF Connector Center Contact Material	Phosphor Bronze

Termination Features



Termination Method to Printed Circuit Board	Through Hole
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Mechanical Attachment

RF Connector Coupling Mechanism	Screw
Connector Mounting Type	Board Mount
RF Contact Captivation Method	Mechanical
Detent	Without

Dimensions

RF Connector Mated Outer Diameter (Approximate)	9.65 mm[.38 in]
Height Above PC Board	13.99 mm[.551 in]
PCB Tail Length	3.937 mm[.155 in]

Usage Conditions

Operating Temperature Range	-65 – 165 °C[-85 – 329 °F]
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Operation/Application

Operating Frequency	1 GHz
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Packaging Features

Packaging Method	Box
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Other

Dielectric Material	Bottom-Acetal/Middle-Acetal/Front-Polypropylene
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Product Compliance

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








EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Not Compliant
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 2019 (197) Candidate List Declared Against: JUN 2012 (84)
Halogen Content	Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free
Solder Process Capability	Not lead free process capable

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 # 5-1814822-7 F Type Str Plg T/O 75 Ohm CT125	TE Part # 5-1814822-5 F Type Str Plg T/O 75 Ohm CT100	TE Part # 5415226-1 PLUG, SERIES F	TE Part # 5-1814821-1 F Type Str Plg Hex 75 Ohm RG59B/U, 62A/U
			
TE Part # 5-1814821-3 F Type Str Plg Hex 75 Ohm RG6/U	TE Part # 5-1814822-3 F Type Str Plg T/O 75 Ohm RG6/	TE Part # 5-1814821-7 F Type Str Plg Hex 75 Ohm CT125	

Also in the Series | MEAS G Series

			
In-Series Adapters(3)	RF Connectors(32)	RJ45 Connectors(1)	Tilt Sensors & Inclnometers(1)

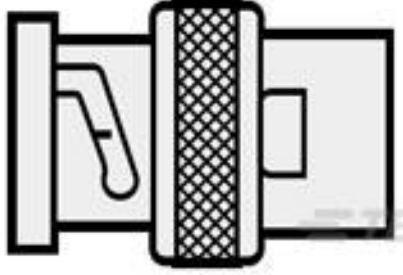
Customers Also Bought



TE Part #412750-000
[TXR40AB00-2010AI](#)



TE Part #293973-000
[TXR40AB00-1612AI](#)



TE Part #900469-000
[RBD-50-M-00](#)



TE Part #668131-000
[RTD-50-M-00](#)



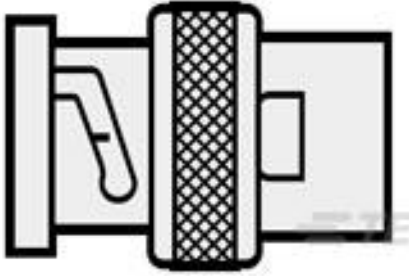
TE Part #658819-000
[TXR40AB00-1006AI](#)



TE Part #165805-000
[D-602-0144](#)



TE Part #430079-000
[7528A5314-0](#)



TE Part #918455-000
[RBD-75-S-00](#)



TE Part #440063-007
[7528A1317-0](#)



TE Part #4451903001
[0024A0311-0](#)

Documents

[Product Drawings](#)
[JACK,R/A,PCB,F-SERIES](#)

English

[CAD Files](#)
Customer View Model
[ENG_CVM_415024-1_H.2d_dxf.zip](#)

English

Customer View Model
[ENG_CVM_415024-1_H.3d_igs.zip](#)

English

Customer View Model
[ENG_CVM_415024-1_H.3d_stp.zip](#)

English

[3D PDF](#)

English

[Product Specifications](#)
[Product Specification](#)



English

Connector, Economy F Series, RF Coaxial, PCB

English