

414766-8 ✓ ACTIVE

TE Internal #: 414766-8

RF Connectors, F Type RF Interface, Plug, 75 Ω , RG 59, Threaded, 1 GHz Operating Frequency, Cable-to-Cable, 1 Position, Wire & Cable

[View on TE.com >](#)



Connectors > RF Coax Connectors > RF Connectors > F Type Coax Connector: Plug, 75 Ohm



RF Interface: **F Type**

RF Connector Style: **Plug**

RF Connector Mated Outer Diameter (Approximate): **6.79 mm [.43 in]**

Impedance: **75 Ω**

Compatible With RF Cable Type: **RG 59**

[All F Type Coax Connector: Plug, 75 Ohm \(5\)](#)

Features

Product Type Features

RF Interface	F Type
RF Connector Style	Plug
Compatible With RF Cable Type	RG 59
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	75 Ω
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Body Features

Cable Connector Orientation	Straight
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Body Material	Brass
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Body Plating Material	Nickel
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Contact Features

RF Connector Center Contact Underplating Material	Nickel
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Crimp Type	Hex
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RF Connector Center Contact Material	Brass
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Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

RF Connector Coupling Mechanism	Threaded
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RF Contact Captivation Method	Mechanical
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Detent	Without
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Dimensions

RF Connector Mated Outer Diameter (Approximate)	6.79 mm [.43 in]
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Usage Conditions

Operating Temperature Range	-65 – 85 °C [-85 – 185 °F]
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Operation/Application

Operating Frequency	1 GHz
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Packaging Features

Packaging Method	Carton
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Other

Dielectric Material	PTFE
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
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EU ELV Directive 2000/53/EC	Compliant with Exemptions
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China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JAN 2017 (173) SVHC > Threshold:
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Not Yet Reviewed

Halogen Content

Low Halogen - Br, Cl, F, I < 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 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 # 5-1814823-1
F Type Bulkhead Socket 75 Ohm



TE Part # 5415322-2
SURFACE MOUNT JACK, F SERIES




TE Part # 5887046-1
JACK,PCB,VERTICAL,F SERIES



TE Part # 58425-3
DIE,COAX 151/324X042 SQ IS9657



TE Part # 6274020-1
JACK, VERTICAL, PCB, F SERIES



TE Part # 58436-2
DIE,COAX 100/324X068HEX IS9657

Documents

Product Drawings
PLUG, SERIES F

English

CAD Files



Customer View Model

[ENG_CVM_CVM_414766-8_N.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_414766-8_N.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_414766-8_N.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[F Series and G Series Connectors](#)

English

Instruction Sheets

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

English

[Coaxial Series F Plug Connectors](#)

English