2081598-1 ✔ ACTIVE

RF 2.4mm

TE Internal #: 2081598-1

2.4mm Series Connector, Jack, 50 ohm, Screw, 50 GHz, Cable-to-Board, 1 Position, Wire & Cable, Panel Mount, -55 – 125 °C [-67 – 257 °F], RF 2.4mm

View on TE.com >

Connectors > RF Connectors > Coax Connectors



RF Interface: **2.4mm Series**

RF Connector Style: **Jack**

Impedance: **50 Ω**

RF Connector Coupling Mechanism: **Screw**

Operating Frequency Range: **50 GHz**

Features

Product Type Features

RF Interface	2.4mm Series
RF Connector Style	Jack
Connector System	Cable-to-Board
Connector & Contact Terminates To	Wire & Cable

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	1
Number of Coaxial Contacts	1

Electrical Characteristics

EMI & RFI Protection & Suppression Type	PCB Ground
Impedance	50 Ω

Body Features

Body Material	Stainless Steel
Body Material Finish	Passivated

Contact Features

RF Connector Center Contact Plating Material	Gold (Au)
RF Connector Center Contact Material	Beryllium Copper

Mechanical Attachment

RF Connector Coupling Mechanism	Screw
Connector Mounting Type	Panel Mount
RF Contact Captivation Method	Mechanical

Dimensions

Profile Height from PCB	10.94 mm[.431 in]

Usage Conditions

Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]

Operation/Application

Circuit Application	Power & Signal
Operating Frequency Range	50 GHz

Packaging Features

Packaging Method	Bag & Box

Other

Dielectric Material	Polyetherimide (PEI)

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	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 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 # 2467900-1
RF TERMINATOR 2.4MM PLUG 50 GHZ 1W SUS



TE Part # 2081549-1
ADAPTOR 1.85MM PLUG TO 1.85MM PLUG



TE Part # 2081551-1
ADAPTOR 2.4MM PLUG TO 1.85MM PLUG



TE Part # 2081552-1
ADAPTOR 2.4MM PLUG TO 1.85MM JACK



TE Part # 1-2087893-1
CENTER CONTACT



TE Part # 1-2016661-0
2.40 MALE-MALE,50G,L1000,WITH ARMOR



TE Part # 2016661-6
2.40 M DOUBLE,50G,0.6M,WITH ARMOR,BRAID

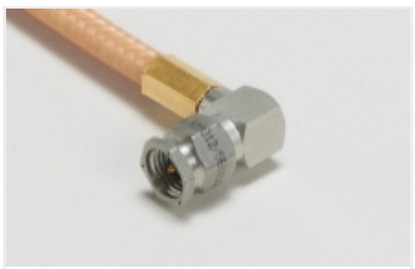


TE Part # 1-2016661-5
2.40 M DOUBLE,50G,1.5M,WITH ARMOR,BRAID

Also in the Series | RF 2.4mm



Coax Connectors(7)



RF Cable Assemblies(13)

Customers Also Bought



TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



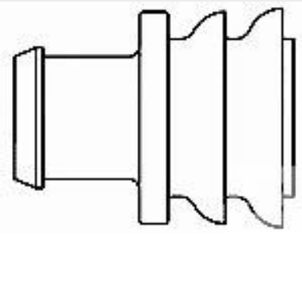
TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #DT04-2P
REC, 2P, GRY, N



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM,
CONNECTOR HOUSING

Documents

Product Drawings

2.4MM JACK 2-HOLE FLANGE RECEPTACLE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2081598-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2081598-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2081598-1_A.3d_stp.zip

English

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Product Specifications

Product Specification

English