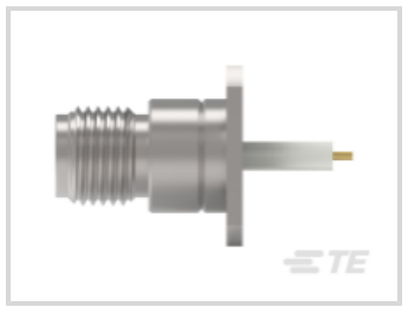
2081935-1 ✔ ACTIVE

TE Internal #: 2081935-1

2.4mm Series RF Interface, Jack, 50 ohm, Screw, 50 GHz Operating Frequency, Cable-to-Board, 1 Position, Printed Circuit Board, Panel Mount

View on TE.com >

Connectors > RF Connectors > Coax Connectors


RF Interface: **2.4mm Series**

RF Connector Style: **Jack**

RF Connector Mated Outer Diameter (Approximate): **12.7 mm [.5 in]**

Impedance: **50 Ω**

RF Connector Coupling Mechanism: **Screw**

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

Impedance	50 Ω

Body Features

Cable Connector Orientation	Straight
Body Material	Stainless Steel
Body Material Finish	Passivated

Contact Features

RF Connector Center Contact Plating Material	Gold
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	13.35 mm[.519 in]
RF Connector Mated Outer Diameter (Approximate)	12.7 mm[.5 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal
Operating Frequency	50 GHz

Packaging Features

Packaging Method	Bag & Box

Other

Dielectric Material	PTFE

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 # 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 # 1-2016661-0
2.40 MALE-MALE,50G,L1000,WITH ARMOR

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

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

TE Part # 2467900-1
RF TERMINATOR 2.4MM PLUG 50 GHZ 1W SUS

Customers Also Bought

TE Part #7-2176070-3
3521 10K 1% 2W

TE Part #5-2301995-2
RJ45 JACK INT.MAG. 10/100 1X1 VERT.

Documents

Product Drawings

2.4MM JACK 4-HOLE FLANGE RECEPTACLE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2081935-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2081935-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2081935-1_A.3d_stp.zip

English

Product Specifications

Product Specification

English