2081937-1 ✔ ACTIVE

RF 1.85mm

TE Internal #: 2081937-1

1.85mm Series Connector, Jack, 50 ohm, Screw, 67 GHz, Cable-to-Board, 1 Position, Printed Circuit Board, Board Mount, RF 1.85mm

View on TE.com >

Connectors > RF Connectors > Coax Connectors







RF Interface: **1.85mm Series**

RF Connector Style: **Jack**

Impedance: **50 Ω**

RF Connector Coupling Mechanism: **Screw**

Operating Frequency Range: **67 GHz**

Features

Product Type Features

RF Interface	1.85mm 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

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	Board Mount
RF Contact Captivation Method	Mechanical

Housing Features

Body Orientation	Straight

Dimensions

Profile Height from PCB	11.18 mm[.437 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal
Operating Frequency Range	67 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	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 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 # 1-2016487-2
HF CA,1.85 M-M,70GHz,L1220



TE Part # 1-2016489-5
HF CA,1.85 M-F,70GHz,L1500



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



TE Part # 1-2016659-0
1.85 F DOUBLE,67G,1.0M WITH ARMOR,BRAID



TE Part # 2016487-9
HF CA,1.85 M-M,70GHz,L910



TE Part # 2016489-9
HF CA,1.85 M-F,70GHz,L910



TE Part # 2016489-3
HF CA,1.85 M-F,70GHz,L300



TE Part # 2016487-6
HF CA,1.85 M-M,70GHz,L610



TE Part # 2016489-6
HF CA,1.85 M-F,70GHz,L610



TE Part # 2-2016487-0
HF CA,1.85 M TO M,70GHz,L2000



TE Part # 1-2016487-5
HF CA,1.85 M-M,70GHz,L1500



TE Part # 2016487-3
HF CA,1.85 M-M,70GHz,L300



TE Part # 1-2016487-0
HF CA,1.85 M-M,70GHz,L1000



TE Part # 1-2016489-0
HF CA,1.85 M-F,70GHz,L1000



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



TE Part # 2-2016489-0
HF CA,1.85 M TO F,70GHz,L2000



TE Part # 1-2016489-2
HF CA,1.85 M-F,70GHz,L1220



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

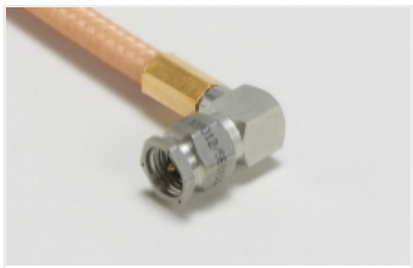


TE Part # 2081549-1
ADAPTOR 1.85MM PLUG TO 1.85MM PLUG

Also in the Series | RF 1.85mm



Coax Connectors(1)



RF Cable Assemblies(29)

Customers Also Bought



TE Part #DPP901Z000
PMOD_MS8607



TE Part #1-917809-3
DYNAMIC D-5 TAB HSG D/R 6P X-X

Documents

Product Drawings

1.85MM JACK 2-HOLE FLANGE SOLDERLESS

English

CAD Files

3D PDF

3D

Customer View Model
ENG_CVM_CVM_2081937-1_A.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_2081937-1_A.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_2081937-1_A.3d_stp.zip

English

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Product Specifications

Product Specification

English