



TE Internal #: 2081937-1
1.85mm Series Connector, Jack, 50 ohm, Screw, 67 GHz, Cable-to-Board, 1 Position, Printed Circuit Board, Board Mount, -55 – 125 °C [-67 – 257 °F]
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Connectors > RF Connectors > Coax Connectors



RF Interface: **1.85mm Series**
RF Connector Style: **Jack**
Impedance: **50 Ω**
RF Connector Coupling Mechanism: **Screw**
Operating Frequency: **67 GHz**

Features

Dimensions

Profile Height from PCB	11.18 mm[.437 in]
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Configuration Features

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

Operation/Application

Circuit Application	Power & Signal
Operating Frequency	67 GHz

Product Type Features

RF Interface	1.85mm Series
RF Connector Style	Jack
Connector System	Cable-to-Board
Connector & Contact Terminates To	Printed Circuit Board

Electrical Characteristics



Impedance	50 Ω
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Mechanical Attachment

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

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

Usage Conditions

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

Packaging Method	Bag & Box
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Other

Dielectric Material	Polyetherimide (PEI)
EU RoHS Compliance	Compliant with Exemptions
EU ELV Compliance	Compliant with Exemptions

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

 <p>TE Part # 1-2016661-0 2.40 MALE-MALE,50G,L1000,WITH ARMOR</p>	 <p>TE Part # 1-2016487-5 HF CA,1.85 M-M,70GHz,L1500</p>	 <p>TE Part # 1-2016489-0 HF CA,1.85 M-F,70GHz,L1000</p>	 <p>TE Part # 2-2016487-0 HF CA,1.85 M TO M,70GHz,L2000</p>
 <p>TE Part # 2016487-3 HF CA,1.85 M-M,70GHz,L300</p>	 <p>TE Part # 1-2016487-0 HF CA,1.85 M-M,70GHz,L1000</p>	 <p>TE Part # 2016489-6 HF CA,1.85 M-F,70GHz,L610</p>	 <p>TE Part # 2016489-3 HF CA,1.85 M-F,70GHz,L300</p>
 <p>TE Part # 2016487-6 HF CA,1.85 M-M,70GHz,L610</p>	 <p>TE Part # 2016487-9 HF CA,1.85 M-M,70GHz,L910</p>	 <p>TE Part # 1-2016659-0 1.85 F DOUBLE,67G,1.0M WITH ARMOR,BRAID</p>	 <p>TE Part # 1-2016487-2 HF CA,1.85 M-M,70GHz,L1220</p>





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



TE Part # 2016489-9
[HF CA,1.85 M-F,70GHz,L910](#)



TE Part # 2081552-1
[ADAPTOR 2.4MM PLUG TO 1.85MM JACK](#)



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



TE Part # 2081551-1
[ADAPTOR 2.4MM PLUG TO 1.85MM PLUG](#)



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



TE Part # 2081549-1
[ADAPTOR 1.85MM PLUG TO 1.85MM PLUG](#)

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