



TE Internal #: 5415006-2

SMB RF Interface, Jack, 50 Ω , RD 316, Snap-Fit, 4 GHz Operating Frequency, Cable-to-Board, 1 Position, Wire & Cable, Panel Mount

[View on TE.com >](#)

Connectors > RF Connectors > Coax Connectors > SMB Connector: Male (Jack), Mated Outer Dia. 4.75mm, 50 Ohm



RF Interface: **SMB**

RF Connector Style: **Jack**

RF Connector Mated Outer Diameter (Approximate): **4.75 mm [.187 in]**

Impedance: **50 Ω**

Compatible With RF Cable Type: **RD 316**

[All SMB Connector: Male \(Jack\), Mated Outer Dia. 4.75mm, 50 Ohm \(2\)](#)

Features

Product Type Features

Connector Product Type	Connector Assembly
RF Interface	SMB
RF Connector Style	Jack
Compatible With RF Cable Type	RD 316
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	1
Number of Coaxial Contacts	1

Electrical Characteristics

Impedance	50 Ω
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Body Features

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Cable Connector Orientation	Straight
Body Material	Zinc Alloy
Body Plating Material	Nickel

Contact Features

RF Connector Center Contact Underplating Material	Nickel
	50 μin
RF Connector Center Contact Plating Material	Gold
RF Connector Center Contact Material	Brass

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Panel Attachment Style	Rear Mount
RF Connector Coupling Mechanism	Snap-Fit
Connector Mounting Type	Panel Mount
RF Contact Captivation Method	Mechanical
Detent	Without

Dimensions

RF Connector Mated Outer Diameter (Approximate)	4.75 mm[.187 in]
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Usage Conditions

Operating Temperature Range	-65 - 165 °C[-85 - 329 °F]
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Operation/Application

Operating Frequency	4 GHz
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Packaging Features

Packaging Method	Carton
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Other

Additional Features	Solderless
Grade	Mil-Type
Dielectric Material	PTFE

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
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) SVHC > Threshold: Pb (3.7% in Component Part) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Low Bromine/Chlorine - Br and Cl < 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 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 # CAT-884-SMBF50 SMB Connector: Plug, Mated Outer Dia. 4.75mm, 50 Ohm</p>	<p>TE Part # CAT-884-SMBMRA50 SMB Connector: Jack, Right-Angle Mount, Mated Outer Dia. 4.75mm</p>	<p>TE Part # CAT-884-SMBV50 SMB Connector: Jack, Vertical Mount, Mated Outer Dia. 4.75mm, 50 Ohm</p>	<p>TE Part # 1-1337478-0 SMB R/A Plg Hex 50Ohm Gold Pla</p>
<p>TE Part # 1060464-1 5164 5003 09</p>	<p>TE Part # 414946-1 PLUG ASSY,STR,SMB</p>	<p>TE Part # 228553-1 SMB COMML BLKHD ADAPTER</p>	



Customers Also Bought



TE Part # 541283-000
82A0111-4-9



TE Part # 5227161-7
RTANG JACK W/MTG PINS, BNC PCB



TE Part # 323755
TERM, SPLC, BUTT, STRAT, SOLIS, HR 12-10



TE Part # 335276-000
TTVF150WE-100



TE Part # 2-320569-5
TERMINAL,PIDG R IR 12 1/4



TE Part # 100503L
CONT SOC ASSY



TE Part # 328309
SPARE WIRE CAP,YEL, 12-10 AWG

Documents

Product Drawings

SMB BLKHD CBL JACK, PB FREE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5415006-2_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5415006-2_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5415006-2_A.3d_stp.zip

English

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

Datasheets & Catalog Pages

SMB Connectors

English