5414946-5

SMB

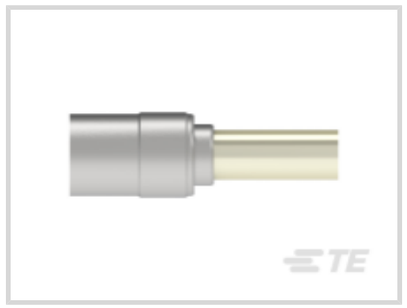
TE Internal #: 5414946-5

TE Internal Description: PLUG, CBL, STR, SMB, PB FREE

SMB Connector: Plug, Mated Outer Dia. 4.75mm, 50 Ohm

View on TE.com >

Connectors > RF Connectors > Coax Connectors > SMB Connector: Plug, Mated Outer Dia. 4.75mm, 50 Ohm




RF Interface: **SMB**

RF Connector Style: **Plug**

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

Impedance: **50 Ω**

RF Connector Coupling Mechanism: **Snap-Fit**

All SMB Connector: Plug, Mated Outer Dia. 4.75mm, 50 Ohm (11)

Features

Product Type Features

Connector Product Type	Connector Assembly
RF Interface	SMB
RF Connector Style	Plug
Connector System	Cable-to-Cable
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	1
Number of Coaxial Contacts	1

Electrical Characteristics

Impedance	50 Ω

Body Features

Body Material	Zinc Alloy

Body Plating Material	Nickel

Contact Features

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

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

RF Connector Coupling Mechanism	Snap-Fit
Connector Mounting Type	Cable Mount (Free-Hanging)
RF Contact Captivation Method	Mechanical
Detent	With

Housing Features

Body Orientation	Straight

Dimensions

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

Operation/Application

Operating Frequency Range	4 GHz

Packaging Features

Packaging Method	Carton

Other

Additional Features	Solderless
Grade	Consumer
Dielectric Material	Polytetrafluoroethylene (PTFE)

Product Compliance

For compliance documentation, visit the product page on TE.com>

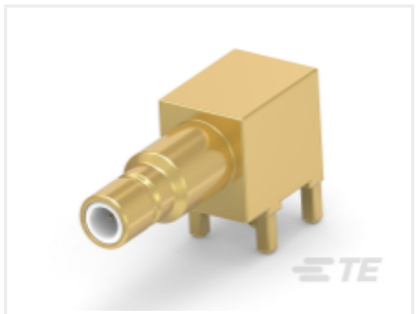
EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold

EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUN 2016 (169) SVHC > Threshold: Not Yet Reviewed
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

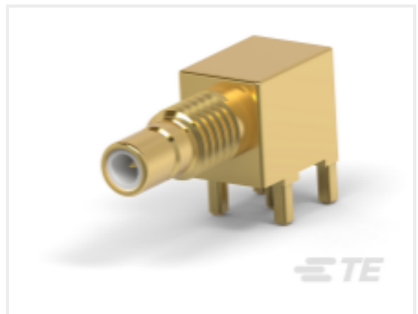
Product Compliance Disclaimer

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



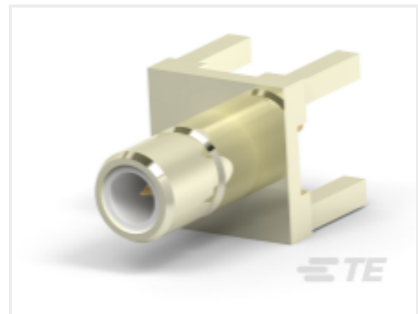
TE Part # 414963-3
SMB PCB R/A JACK



TE Part # 414963-4
SMB PCB R/A JACK



TE Part # CAT-884-SMBF50
SMB Connector: Plug, Mated Outer Dia. 4.75mm, 50 Ohm



TE Part # CAT-884-SMBV50
SMB Connector: Jack, Vertical Mount, Mated Outer Dia. 4.75mm, 50 Ohm



TE Part # 1060464-1
5164 5003 09



TE Part # CAT-884-SMBM50
SMB Connector: Male (Jack), Mated Outer Dia. 4.75mm, 50 Ohm



TE Part # CAT-884-SMBMRA50
SMB Connector: Jack, Right-Angle Mount, Mated Outer Dia. 4.75mm

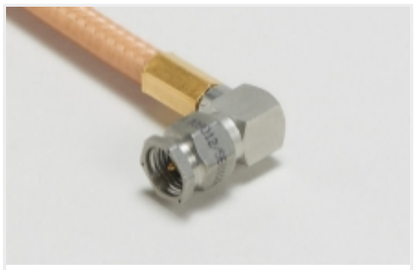


TE Part # 228553-1
SMB COMML BLKHD ADAPTER

Also in the Series | SMB

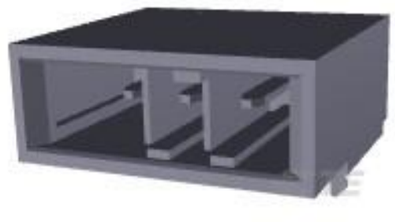


Coax Connectors(40)



RF Cable Assemblies(10)

Customers Also Bought



TE Part #1-178138-3
DYNAMIC 3200 HDR H 3P ASSY PdNi & Au



TE Part #5-534237-5
07 MODII VRT SR CE 100/115



TE Part #1658620-4
20 NOVO MIL 15DP, LEAD FREE



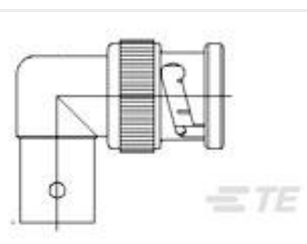
TE Part #5227161-3
RTANG JK W/MTG PINS, BNC PCB



TE Part #5221111-1
JACK,PCB,VERTICAL,SERIES SMB



TE Part #5413589-8
KIT,PLUG,COML BNC,HEX CRP



TE Part #5-1634526-1
BNC R/A Adp PJ 50Ohm Nickel Pltd

Documents

Product Drawings

PLUG, CBL, STR, SMB, PB FREE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5414946-5_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5414946-5_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5414946-5_B.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