

414363-8 ✓ ACTIVE

TE Internal #: 414363-8

RF Connectors, SMB RF Interface, Plug, RF Connector Mated Outer

Diameter (Approximate) .187 in [4.75 mm], 50  $\Omega$

[View on TE.com >](#)



Connectors > RF Coax Connectors > RF Connectors > SMB Connector: Female (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  $\Omega$**

Compatible With RF Cable Type: **RG 178, RG 196**

[All SMB Connector: Female \(Plug\), Mated Outer Dia. 4.75mm, 50 Ohm \(32\)](#)

## Features

### Product Type Features

Connector Product Type	Connector Assembly
RF Interface	SMB
RF Connector Style	Plug
Compatible With RF Cable Type	RG 178, RG 196
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 $\Omega$
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### Body Features

Body Shape	Circular
Cable Connector Orientation	Right Angle
Body Material	Zinc
Body Plating Material	Nickel
Body Underplating Material	Copper



### Contact Features

RF Connector Center Contact Underplating Material	Nickel
RF Connector Center Contact Plating Material	Gold
RF Connector Center Contact Material	Beryllium Copper

### Termination Features

Termination Method to Wire & Cable	Crimp
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### Mechanical Attachment

RF Connector Coupling Mechanism	Snap-Fit
Connector Mounting Type	Cable Mount (Free-Hanging)
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 – 85 °C [-85 – 185 °F]
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### Operation/Application

Operating Frequency	3 GHz
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### Packaging Features

Packaging Method	Carton
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### Other

Grade	Consumer
Outer Contact Plating Material	Gold over Nickel
Dielectric Material	PTFE

### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Not Yet Reviewed
EU ELV Directive 2000/53/EC	Not Compliant
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 2021 (211) 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 # CAT-884-SMBF50  
SMB Connector: Female (Plug), Mated Outer Dia. 4.75mm, 50 Ohm



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



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



TE Part # CAT-884-SMBFRA50  
SMB Connector: Female (Plug), Right-Angle Mount, Mated Outer Dia. 4.75 mm



TE Part # 228553-1  
SMB COMML BLKHD ADAPTER

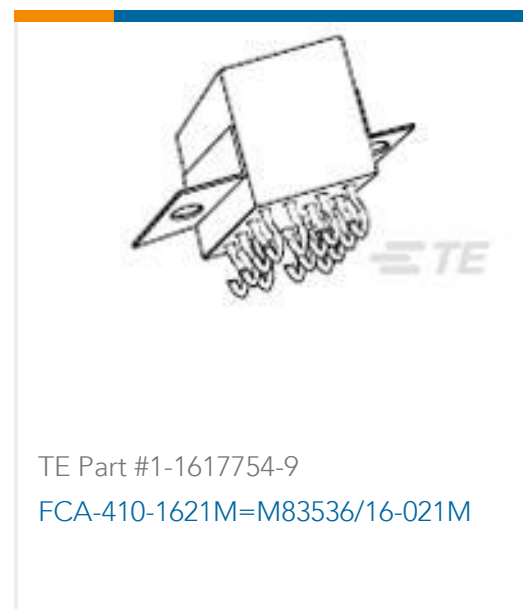


TE Part # 58483-1  
TRIPLE HEX DIE ASSY SMB



TE Part # 58499-1  
AMP PRO-CRIMPER ASSEMBLY

### Customers Also Bought



## Documents

### Product Drawings

PLUG,CABLE,RTANG,SMB

English

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_414363-8\\_K.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_414363-8\\_K.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_414363-8\\_K.3d\\_stp.zip](#)

English

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

### Instruction Sheets

414363-8

RF Connectors, SMB RF Interface, Plug, RF Connector Mated Outer Diameter  
(Approximate) .187 in [4.75 mm], 50  $\Omega$



[Instruction Sheet \(U.S.\)](#)

English