

413990-1 ✓ ACTIVE

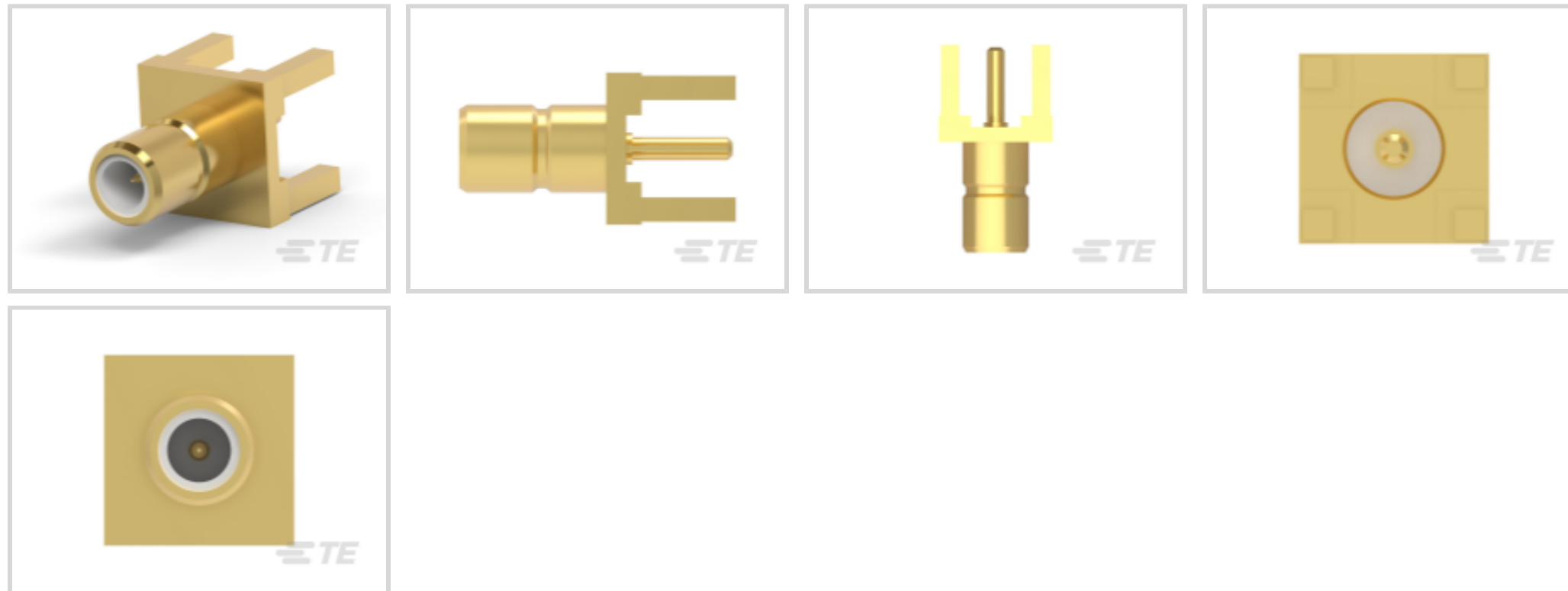
TE Internal #: 413990-1

RF Connectors, SMB RF Interface, Jack, 50  $\Omega$ , Snap-Fit, Cable-to-Board, 1 Position, Printed Circuit Board, Board Mount, -65 – 85 °C [-85 – 185 °F]

[View on TE.com >](#)



Connectors > RF Coax Connectors > RF Connectors > SMB Connector: Jack, Vertical Mount, 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  $\Omega$**

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

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

## Features

### Product Type Features

Connector Product Type	Connector Assembly
RF Interface	SMB
RF Connector Style	Jack
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

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

### Electrical Characteristics

Impedance	50 $\Omega$
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### Body Features



Body Shape	Square
Body Material	Brass
Body Material Finish	Plated
Body Plating Material	Gold
Body Underplating Material	Nickel

#### Contact Features

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

#### Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
Termination Post & Tail Length	3.94 mm[.155 in]

#### Mechanical Attachment

RF Connector Coupling Mechanism	Snap-Fit
Connector Mounting Type	Board Mount
Detent	Without

#### Dimensions

RF Connector Mated Outer Diameter (Approximate)	4.75 mm[.187 in]
Profile Height from PCB	7.62 mm[.3 in]

#### Usage Conditions

Operating Temperature Range	-65 – 85 °C[-85 – 185 °F]
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#### Packaging Features

Packaging Method	Carton
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#### Other

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
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 2022 (223)

Candidate List Declared Against: JAN 2022 (223)

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

Pin-in-Paste capable to 260°C

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

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

TE Part # 1-1337478-0  
SMB R/A Plg Hex 50Ohm Gold Pla

TE Part # 1060442-1  
5158 5010 09

TE Part # 1060183-1  
5007 5008 09

## Customers Also Bought



## Documents

### Product Drawings

#### STR JACK, SMB, PCB

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_413990-1\\_J.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_413990-1\\_J.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_413990-1\\_J.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

### Product Specifications

#### Product Specification

English

#### Product Specification

English



## Product Environmental Compliance

### TE Material Declaration

English

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## Instruction Sheets

### Instruction Sheet (U.S.)

English

**AMP SMB PRINTED CIRCUIT (PC) BOARD VERTICAL JACK CONNECTOR P/N 413990**

English