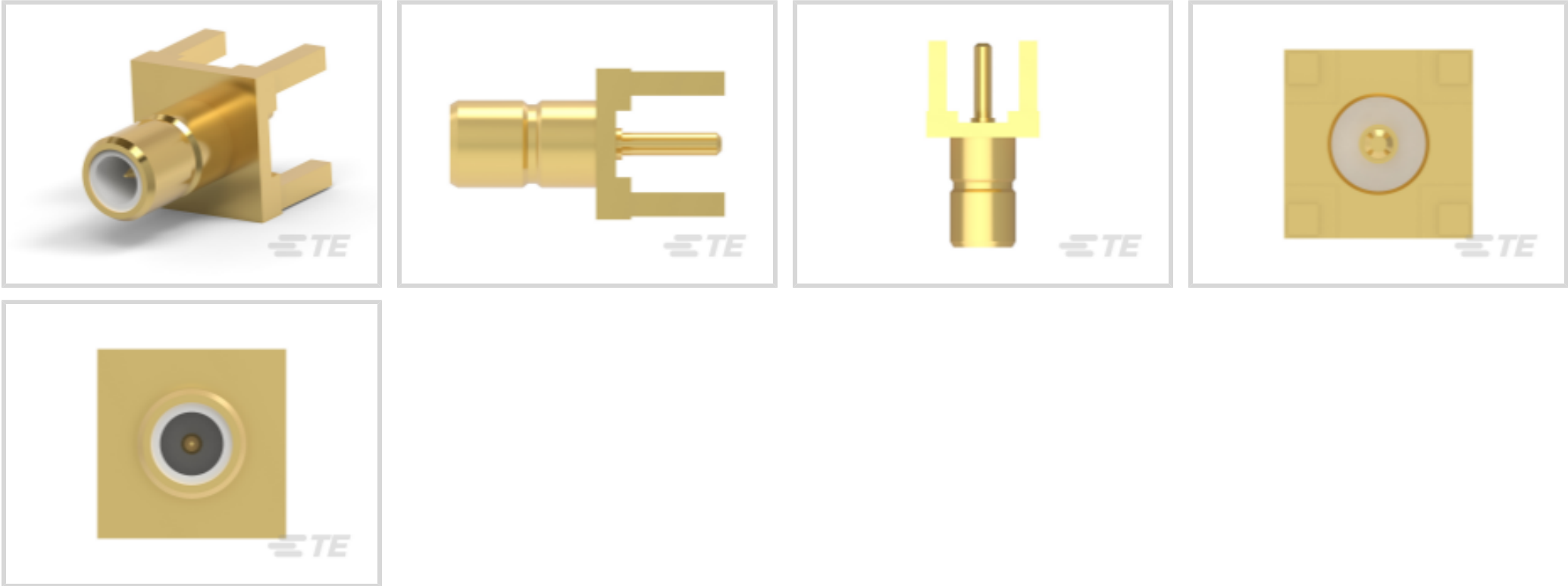




TE Internal #: 413990-1
SMB Connector, Jack, 50 ohm, Snap-Fit, Cable-to-Board, 1
Position, Printed Circuit Board, Board Mount, -65 – 85 °C [-85 – 185 °
F], Brass, Plated, Gold
[View on TE.com >](#)

Connectors > RF Connectors > Coax 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 Ω**
RF Connector Coupling Mechanism: **Snap-Fit**

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

Features

Termination Features

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

Other

Grade	Mil-Type
Dielectric Material	PTFE
EU RoHS Compliance	Compliant with Exemptions
EU ELV Compliance	Compliant with Exemptions

Contact Features

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

Body Features

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

Configuration Features

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

Dimensions

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

Product Type Features

Connector Shape	Rectangular
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

Electrical Characteristics

Impedance	50 Ω
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Mechanical Attachment

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

Usage Conditions

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

Packaging Method	Carton
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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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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-SMBM50
SMB Connector: Male (Jack), Mated
Outer Dia. 4.75mm, 50 Ohm

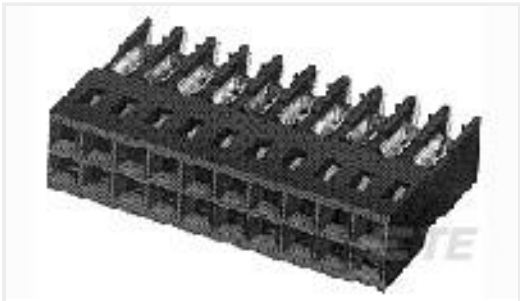


TE Part # 1-1337478-0
SMB R/A Plg Hex 50Ohm Gold Pla



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

Customers Also Bought



TE Part #102398-3
10 AMPMODU MT ASSY DR .100CL



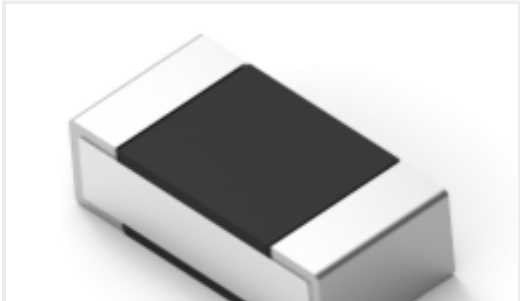
TE Part #1-2308330-1
FULL METAL HOODS SIZE 4 (1)



TE Part #1625893-6
5W SM M/OX 5% 150K



TE Part #1-2176307-5
RP 1E 0.1W 17K4 0.1% 25PPM 5K RL



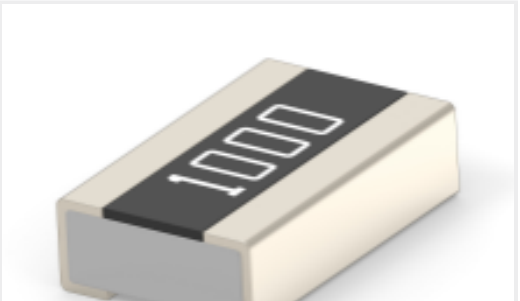
TE Part #2-2176307-3
RP 1E 0.1W 21K 0.1% 25PPM 5K RL



TE Part #1-338069-6
MICRO-MATCH SMD FTE



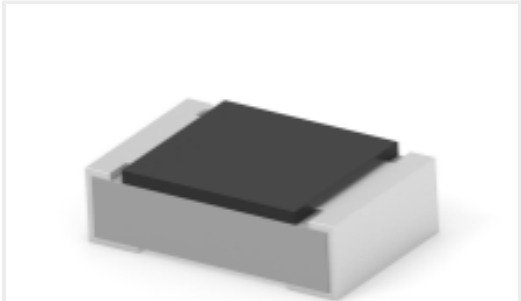
TE Part #1-964300-3
TAB A 2.8x0.8 CONTACT CS SWS Au



TE Part #3-2176554-6
3430 A2 1% 27R 100ppm 1k RL



TE Part #474835-E
SRCP 1,27 12 F 1-KS IDC22 137 E1 162 1,2



TE Part #2176575-1
RLC73PV 2A R02 1% 1K RL

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

Instruction Sheets

Instruction Sheet (U.S.)

English

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

English