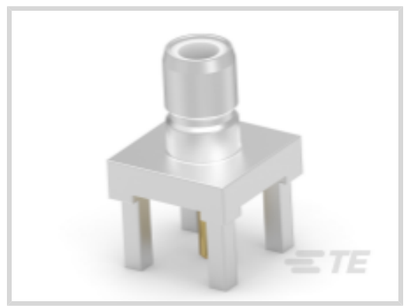
2477461-1 ✔ ACTIVE

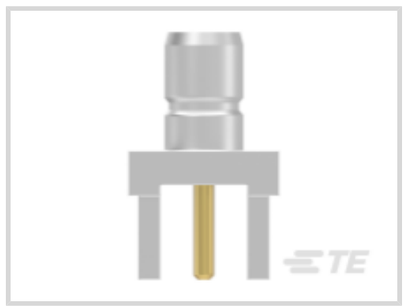
TE Internal #: 2477461-1

SMB RF Interface, Jack, 50 Ω, Snap-On, 0 – 6 GHz Operating Frequency, Cable-to-Board, 1 Position, Printed Circuit Board, Board Mount

View on TE.com >

Connectors > RF Connectors > Coax Connectors




RF Interface: **SMB**

RF Connector Style: **Jack**

RF Connector Mated Outer Diameter (Approximate): **7 mm [.275 in]**

Impedance: **50 Ω**

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

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

Impedance	50 Ω

Body Features

Body Underplating Material	Nickel
Body Material	Brass

Body Material Finish	Plated
Body Plating Material	Tin

Contact Features

RF Connector Center Contact Underplating Material	Nickel
	30 µin
RF Connector Contact Configuration	Captivated Contacts
RF Connector Center Contact Plating Material	Gold
RF Connector Center Contact Material	Brass

Termination Features

Termination Post & Tail Length	3.9 mm[.153 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

RF Connector Coupling Mechanism	Snap-On
Connector Mounting Type	Board Mount
RF Contact Captivation Method	Mechanical
Detent	Without

Dimensions

Profile Height from PCB	3.9 mm[.153 in]
Product Length	11.5 mm[.453 in]
RF Connector Mated Outer Diameter (Approximate)	7 mm[.275 in]

Usage Conditions

Operating Temperature Range	-65 – 155 °C[-85 – 311 °F]

Operation/Application

Circuit Application	Signal
Operating Frequency	0 – 6 GHz

Packaging Features

Packaging Quantity	1
Packaging Method	Bag

Other

Outer Contact Plating Material	Tin (Sn)
Dielectric Material	PTFE

Product Compliance

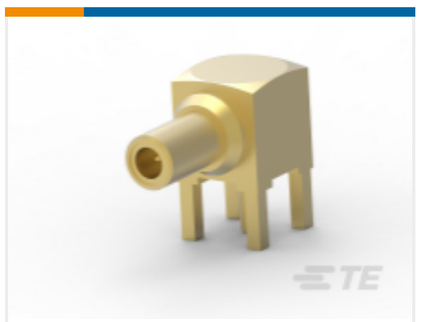
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Not Yet Reviewed
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 (3.34% 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 reviewed 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 # 1-1337481-0
SMB R/A PCB Skt 50Ohm Gold Plt

Documents

Product Drawings

SMB Male Str PCB Thru Hole 6 GHz 50 Ohm

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2477461-1_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2477461-1_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2477461-1_1.3d_stp.zip

English

Product Specifications

Product Specification

English