2477301-1 ✔ ACTIVE

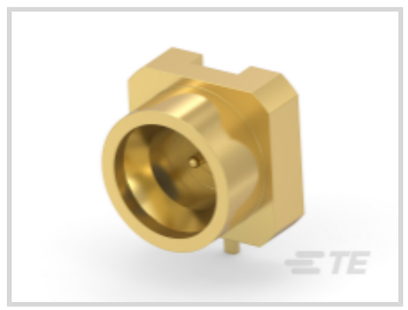
SMPM

TE Internal #: 2477301-1

SMPM Connector, Plug, 50 ohm, Push-On, 40 GHz, Board-to-Board, 1 Position, Printed Circuit Board, Board Mount, -65 – 165 °C [-85 – 329 °F], SMPM

View on TE.com >

Connectors > RF Connectors > Coax Connectors







RF Interface: **SMPM**

RF Connector Style: **Plug**

RF Connector Mated Outer Diameter (Approximate): **3.55 mm [.14 in]**

Impedance: **50 Ω**

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

Features

Product Type Features

RF Interface	SMPM
RF Connector Style	Plug
Connector System	Board-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 Material	Brass
Body Material Finish	Plated

Body Plating Material	Gold

Contact Features

Outer Contact Plating Material	Gold (Au)
RF Connector Contact Configuration	Captivated
RF Connector Center Contact Plating Thickness	.762 µm[30 µin]
RF Connector Center Contact Plating Material	Gold (Au)
RF Connector Center Contact Material	Brass

Termination Features

Termination Method to PCB	Surface Mount

Mechanical Attachment

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

Dimensions

Product Length	3.96 mm[.156 in]
Profile Height from PCB	2.74 mm[.108 in]
RF Connector Mated Outer Diameter (Approximate)	3.55 mm[.14 in]

Usage Conditions

Operating Temperature Range	-65 – 165 °C[-85 – 329 °F]

Operation/Application

Circuit Application	High Speed Data
Operating Frequency Range	40 GHz

Packaging Features

Packaging Quantity	500
Packaging Method	Reel & Carton

Other

Dielectric Material	Liquid Crystal Polymer (LCP)

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	有害物质含量超出标准 Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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.

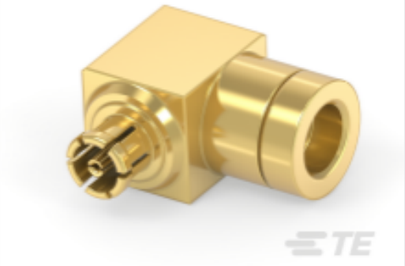
Compatible Parts



TE Part # 2406860-1
SMPM JACK RA FOR PT-FLEX-047 CABLE



TE Part # 2406845-1
SMPM JACK ST FOR TFLEX-405 CABLE



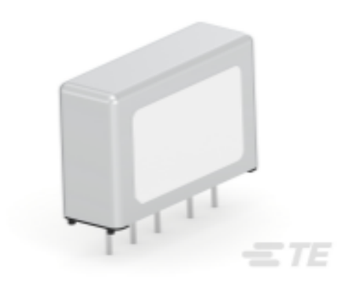
TE Part # 2406866-1
SMPM JACK RA SOLDER FOR TFLEX-405 CABLE

Also in the Series

Customers Also Bought



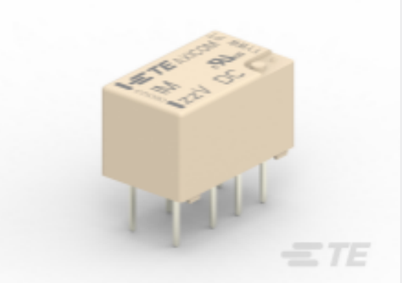
TE Part #CSE-SBRM-152-SBRM
SMB to SMB 152mm RG316



TE Part #800586-SF
FN406-1-02



TE Part #31423
TERMINAL,BUDG R 26-22, 0



TE Part #CAT-AX41-IM11A
Narrow Signal Relay 2 Form C



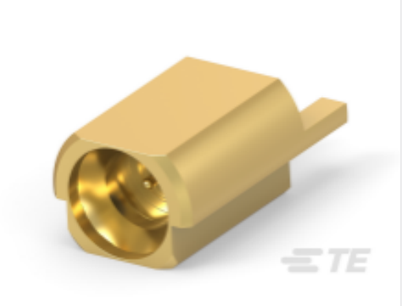
TE Part #1473150-4
SEMI-HARD TRAY ASSY DDR2 SODIMM 5.2H RV



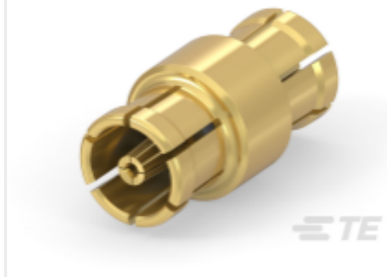
TE Part #2-1879208-5
CPF 0402 100R 0.1% 25PPM 1K RL



TE Part #2477244-1
SMPM M Smooth Bore SMD 40 GHz



TE Part #2477337-1
SMPM M Full Detent Tri-alloy Edge 40 GHz



TE Part #2477399-1
Adapter SMPM Jack to Jack 65 GHz 5.33 mm

Documents

Product Drawings

SMPM M Full Detent SMD 40 GHz

English

CAD Files

Customer View Model

ENG_CVM_CVM_2477301-1_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2477301-1_1.3d_igs.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2477301-1_1.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

SMPM_Connectors_Product_Extension-flyer

English

Product Specifications

Product Specification

English