TE Internal #: 2477357-1

SMPM RF Interface, Plug, 50  $\Omega$ , Push-On, 0 – 40 GHz Operating

Frequency, Board-to-Board, 1 Position, Printed Circuit Board,

**Board Mount** 

View on TE.com >



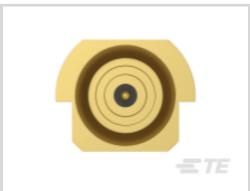
#### Connectors > RF Connectors > Coax Connectors











RF Interface: **SMPM** 

RF Connector Style: Plug

RF Connector Mated Outer Diameter (Approximate): 4.1 mm [ .15 in ]

Impedance:  $50 \Omega$ 

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	Horizontal
Number of Positions	1
Number of Coaxial Contacts	1

## **Electrical Characteristics**

Impedance	50 Ω	

## **Body Features**

Body Material	Stainless Steel
Body Material Finish	Plated



Body Plating Material	Gold
Contact Features	
	30 μin
RF Connector Center Contact Plating Material	Gold
RF Connector Center Contact Material	Beryllium Copper
Termination Features	
Termination Post & Tail Length	1.42 mm[.056 in]
Termination Method to Printed Circuit Board	Surface Mount
Mechanical Attachment	
Detent Type	Smooth Bore
RF Connector Coupling Mechanism	Push-On
Connector Mounting Type	Board Mount
RF Contact Captivation Method	Mechanical
Detent	Without
Dimensions	
Product Length	5.6 mm[.023 in]
RF Connector Mated Outer Diameter (Approximate)	4.1 mm[.15 in]
Usage Conditions	
Operating Temperature Range	-65 – 165 °C[-85 – 329 °F]
Operation/Application	
Circuit Application	High Speed Data
Operating Frequency	0 – 40 GHz
Packaging Features	
Packaging Quantity	50
Packaging Method	Tray
Other	
Outer Contact Plating Material	Gold (Au)
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**







### **Documents**

**Product Drawings** 

SMPM M Smooth Bore SUS Edge Mnt 40 GHz

English



### **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_2477357-1\_1.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2477357-1\_1.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2477357-1\_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