

TE Internal #: 2484640-1

SMP RF Interface, Plug, 50  $\Omega$ , Push-On, 0 – 18 GHz Operating

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

Mount

View on TE.com >

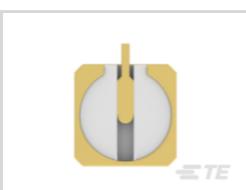


#### Connectors > RF Connectors > Coax Connectors











RF Interface: SMP

RF Connector Style: Plug

Impedance:  $50 \Omega$ 

RF Connector Coupling Mechanism: Push-On

Operating Frequency: 0 – 18 GHz

## **Features**

## Product Type Features

RF Interface	SMP
RF Connector Style	Plug
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	Beryllium Copper



Body Material Finish	Plated		
Body Plating Material	Gold		
Contact Features			
RF Connector Contact Configuration	Captivated Contacts		
RF Connector Center Contact Plating Material	Gold (Au)		
RF Connector Center Contact Material	Beryllium Copper		
Termination Features			
Termination Method to Printed Circuit Board	Surface Mount		
Mechanical Attachment			
RF Connector Coupling Mechanism	Push-On		
Connector Mounting Type	Board Mount		
RF Contact Captivation Method	Mechanical		
Usage Conditions			
Operating Temperature Range	-40 - 125 °C[-40 - 257 °F]		
Operation/Application			
Circuit Application	Signal		
Operating Frequency	0 – 18 GHz		
Packaging Features			
Packaging Quantity	100		
Packaging Method	Tray		
Other			
Dielectric Material	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	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JAN 2024 (240) SVHC > Threshold: Pb (4% in Component Part)



Article	Safe	Usage	Statements
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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**

SMP M Limited Detent SMD 18 GHz 50 Ohm

English

#### **CAD Files**

**Customer View Model** 

ENG\_CVM\_CVM\_2484640-1\_1.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2484640-1\_1.3d\_igs.zip

English

**Customer View Model** 

SMP RF Interface, Plug, 50  $\Omega$ , Push-On, 0 – 18 GHz Operating Frequency, Cable-to-Board, 1 Position, Printed Circuit Board, Board Mount



## ENG\_CVM\_CVM\_2484640-1\_1.3d\_stp.zip

English

3D PDF

3D

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

**Product Specifications** 

**Product Specification** 

English