

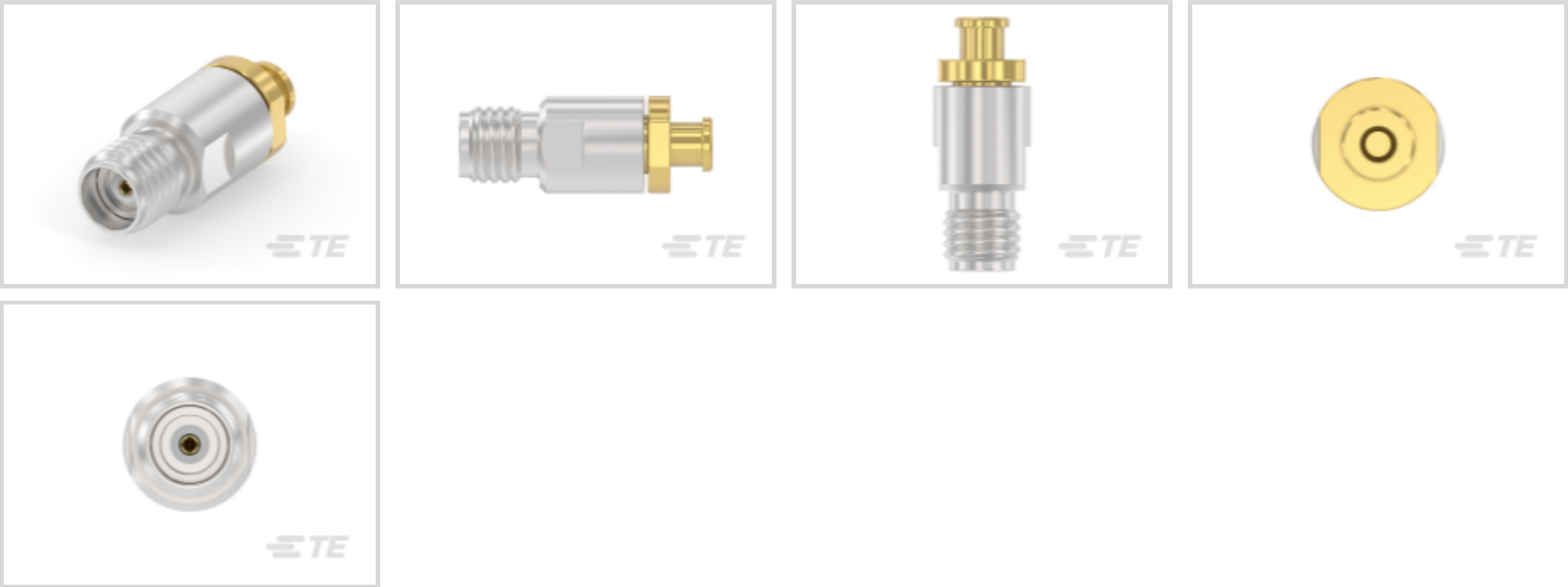


TE Internal #: 2081898-1

SMA RF Interface, Jack, 50 ohm, .047 Semi-Rigid or Flex, Screw, 0 – 27 GHz Operating Frequency, Cable-to-Cable, 1 Position, Wire & Cable

[View on TE.com >](#)

Connectors > RF Connectors > Coax Connectors



RF Interface: **SMA**

RF Connector Style: **Jack**

Impedance: **50 Ω**

Compatible With RF Cable Type: **.047 Semi-Rigid or Flex**

RF Connector Coupling Mechanism: **Screw**

Features

Product Type Features

RF Interface	SMA
RF Connector Style	Jack
Compatible With RF Cable Type	.047 Semi-Rigid or Flex
Connector System	Cable-to-Cable
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	1
Number of Coaxial Contacts	1

Electrical Characteristics

Impedance	50 Ω
-----------	------

Body Features

Cable Connector Orientation	Straight
Body Material	Stainless Steel



Body Material Finish	Passivated
----------------------	------------

Contact Features

RF Connector Center Contact Plating Material	Gold
RF Connector Center Contact Material	Beryllium Copper

Mechanical Attachment

RF Connector Coupling Mechanism	Screw
RF Contact Captivation Method	Mechanical
Detent	Without

Usage Conditions

Operating Temperature Range	-55 – 165 °C[-55 – 165 °F]
-----------------------------	----------------------------

Operation/Application

Circuit Application	Signal
Operating Frequency	0 – 27 GHz

Packaging Features

Packaging Method	Bag & Box
------------------	-----------

Other

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Pb (4.75% 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 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 # 2081899-1 EP-SMA,PLUG,STRAIGHT,27GHZ,047 CABLE	TE Part # 2490865-1 RF .047 Assembly, SMPM Jack - SMA Plug	TE Part # 2490857-2 RF .047 Assembly, SMPM Plug - SMA Plug	TE Part # 2490858-2 RF .047 Assy, NanoRF Socket - SMA Plug
TE Part # 2490861-2 RF .047 Assembly, NanoRF Pin - SMA Plug	TE Part # 2490865-2 RF .047 Assembly, SMPM Jack - SMA Plug	TE Part # 2490862-1 RF .047 Assy, NanoRF Pin - SMPM Jack	TE Part # 2490861-1 RF .047 Assembly, NanoRF Pin - SMA Plug
TE Part # 2490858-1 RF .047 Assy, NanoRF Socket - SMA Plug	TE Part # 2490857-1 RF .047 Assembly, SMPM Plug - SMA Plug		

Documents

- Product Drawings
- EP-SMA,JACK,STRAIGHT,27GHZ,047 CABLE
- English
- CAD Files
- 3D PDF



3D

Customer View Model

[ENG_CVM_CVM_2081898-1_1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2081898-1_1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2081898-1_1.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

[Product Specification](#)

English