

2081875-1 ✓ ACTIVE

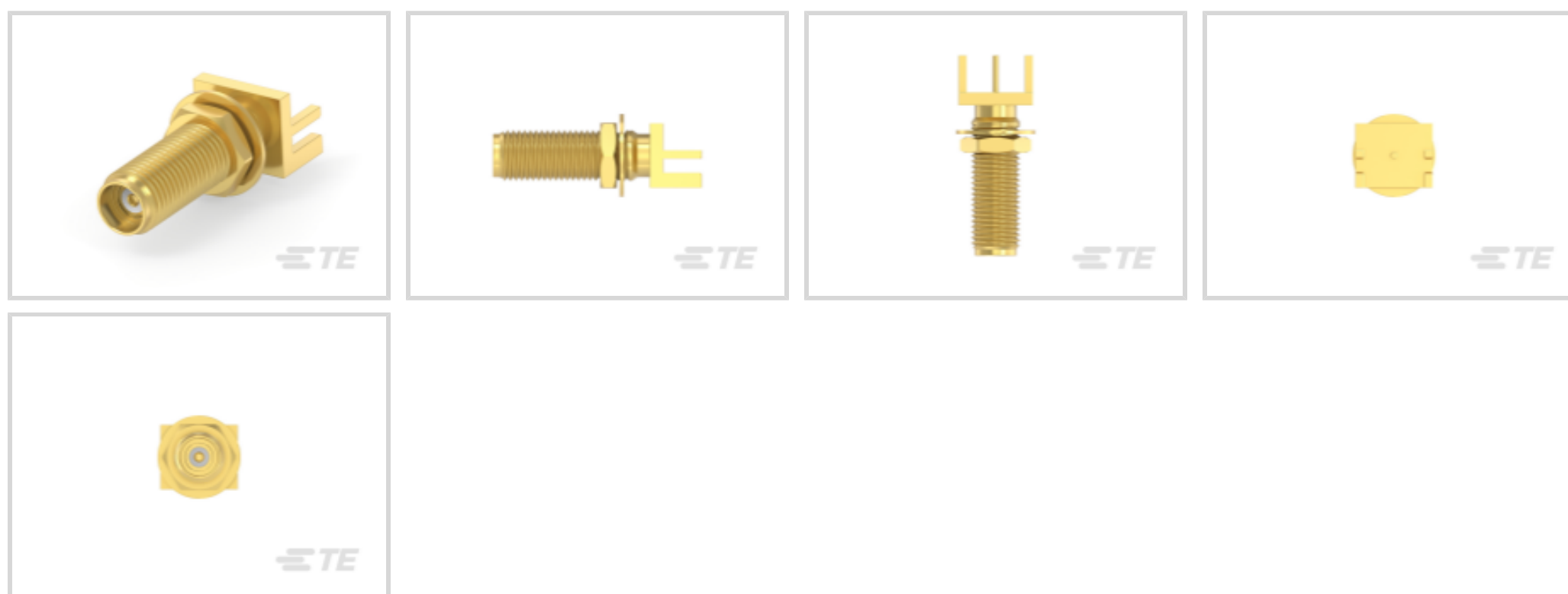
TE Internal #: 2081875-1

SMA RF Interface, Jack, 50 Ω , Screw, 27 GHz Operating Frequency,
Cable-to-Board, 1 Position, Printed Circuit Board, Board Mount, -55
– 155 °C

[View on TE.com >](#)



Connectors > RF Connectors > Coax Connectors



RF Interface: **SMA**

RF Connector Style: **Jack**

Impedance: **50 Ω**

RF Connector Coupling Mechanism: **Screw**

Operating Frequency: **27 GHz**

Features

Product Type Features

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

Configuration Features

PCB Mount Orientation	Right Angle
Number of Positions	1
Number of Coaxial Contacts	1

Electrical Characteristics

Impedance	50 Ω
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Body Features

Body Underplating Material	Nickel
Cable Connector Orientation	Right Angle



Body Material	Brass
Body Material Finish	Plated
Body Plating Material	Gold over Nickel

Contact Features

RF Connector Center Contact Plating Material	Gold (Au)
RF Connector Center Contact Material	Beryllium Copper

Mechanical Attachment

RF Connector Coupling Mechanism	Screw
Connector Mounting Type	Board Mount
RF Contact Captivation Method	Mechanical

Usage Conditions

Operating Temperature Range	-55 – 155 °C
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Operation/Application

Circuit Application	Signal
Operating Frequency	27 GHz

Packaging Features

Packaging Method	Bag & Box
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Other

Dielectric Material	PTFE
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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 (4.35% 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 # 2081884-1
EP-SMA,PLUG,27GHZ,STRAIGHT,086
CABLE



TE Part # 2466282-1
SMA PLUG STR SOLDER .085 .086 18
GHZ SUS



TE Part # 2016748-5
EP-SMA,27GHz,Str,M-M,.141,FLEX,
L500



TE Part # 2016753-7
EP-SMA,27GHz,STR,M-M,.047,FLEX,
L150



TE Part # 2016757-9
EP-SMA,27GHz,STR,M-M,.086,FLEX,
L350



TE Part # 2081886-1
EP-SMA,PLUG,STRAIGHT,27GHZ,141
CABLE



TE Part # 2467938-1
RF TERMINATOR SMA PLUG 18 GHZ
2W GOLD



TE Part # 2016748-1
HF,27GHz SMA M-M,RG402 FLEX,L500



TE Part # 2016748-2
EP-SMA,27GHz,Str,M-M,.141,FLEX,
L200



TE Part # 2016748-3
EP-SMA,27GHz,Str,M-M,.141,FLEX,
L300



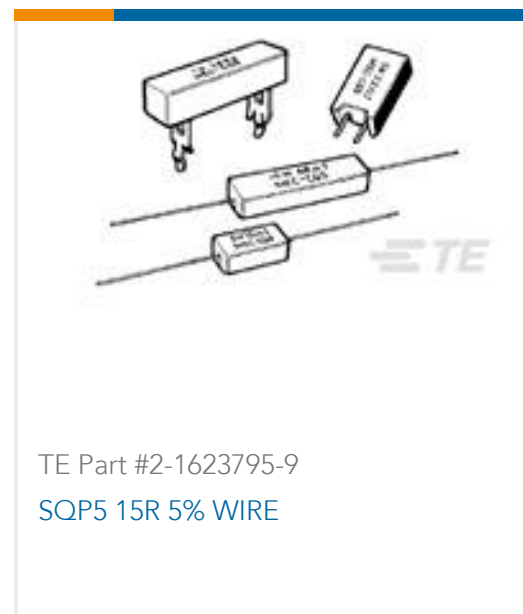
TE Part # 2016748-4
EP-SMA,27GHz,Str,M-M,.141,FLEX,
L400



TE Part # 2016748-6
EP-SMA,27GHz,Str,M-M,.141,FLEX,L50



Customers Also Bought



Documents

Product Drawings

EP-SMA,JACK,27GHZ,END LAUNCH,1.6MM BOARD

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2081875-1_1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2081875-1_1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2081875-1_1.3d_stp.zip](#)

English

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Product Specifications

Product Specification

English