

2081887-1 ✓ ACTIVE



SMA

TE Internal #: 2081887-1

SMA Connector, Jack, 50 ohm, RG 141 Compatible With RF Cable Type, Screw, 27 GHz, Cable-to-Board, 1 Position, Wire & Cable, SMA

[View on TE.com >](#)

Connectors > RF Connectors > Coax Connectors



RF Interface: **SMA**

RF Connector Style: **Jack**

RF Connector Mated Outer Diameter (Approximate): **8 mm [.31 in]**

Impedance: **50 Ω**

Compatible With RF Cable Type: **RG 141**

Features

Product Type Features

Connector Shape	Circular
Connector Product Type	Connector Assembly
RF Interface	SMA
RF Connector Style	Jack
Compatible With RF Cable Type	RG 141
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	1
Number of Coaxial Contacts	1

Electrical Characteristics

Impedance	50 Ω
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Body Features



Body Material	Stainless Steel
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Body Material Finish	Passivated
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Contact Features

Ferrule Plating Material	Gold
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Ferrule Material	Brass
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RF Connector Center Contact Plating Thickness	.762 μ m
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RF Connector Center Contact Plating Material	Gold (Au)
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RF Connector Center Contact Material	Beryllium Copper
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Termination Features

Termination Method to Wire & Cable	Solder
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Mechanical Attachment

RF Connector Coupling Mechanism	Screw
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Connector Mounting Type	Cable Mount (Free-Hanging)
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RF Contact Captivation Method	Mechanical
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Detent	Without
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Housing Features

Body Orientation	Straight
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Dimensions

RF Connector Mated Outer Diameter (Approximate)	8 mm [.31 in]
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Usage Conditions

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

Circuit Application	Signal
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Operating Frequency Range	27 GHz
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Packaging Features

Packaging Quantity	50
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Packaging Method	Bag
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Other

Dielectric Material	Polytetrafluoroethylene (PTFE)
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Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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: 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 # 2016748-5
EP-SMA,27GHz,Str,M-M,,141,FLEX,
L500



TE Part # 2467918-2
RF TERMINATOR SMA PLUG 18 GHZ
SUS GOLD



TE Part # 2081892-1
EP-SMA,PLUG,STRAIGHT,27GHZ,0.23
MM PIN



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




TE Part # 2016753-1
EP-SMA,27GHZ,STR,M-M,.047,FLEX, L100



TE Part # 2016748-1
27 GHZ SMA M-M, RG402 FLEX, L100



TE Part # 2016748-2
EP-SMA,27GHZ,STR,M-M,.141,FLEX, L200



TE Part # 2016748-6
EP-SMA,27GHZ,STR,M-M,.141,FLEX,L50



TE Part # 2016748-4
EP-SMA,27GHZ,STR,M-M,.141,FLEX, L400



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



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



TE Part # 2476209-1
SMA Plug to QMA Jack Str 18 GHz



TE Part # 2016753-2
EP-SMA,27GHZ,STR,M-M,.047,FLEX, L200




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

Also in the Series

Customers Also Bought



TE Part #5052932105
RNF-100-1/16-WH-STK



TE Part #36149
PIDG R 22-16 COMM 22-18 MIL 6



TE Part #50334
TERMINAL,SOLIS R 26-22 2



TE Part #204515-2
AMPLIMITE,ASY,PLUG,STD,90,2



TE Part #1623720-2
CCR2 10K 10%



TE Part #5-2154874-2
LED Holder for Cree CXA15XX (1pc)



TE Part #2-2176309-2
RP 1E 0.1W 16R5 0.1% 25PPM 1K RL



TE Part #1-6609032-7
10VR7M=F7209 S0



Documents

Product Drawings

[EP-SMA,JACK,STRAIGHT,27GHZ,141 CABLE](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2081887-1_1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2081887-1_1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2081887-1_1.3d_stp.zip](#)

English

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Product Specifications

[Product Specification](#)

English