



AMP SMA

TE Internal #: 1052991-1
AMP SMA, RF Connectors, SMA RF Interface, Jack, RF Connector
Mated Outer Diameter (Approximate) .25 in [6.35 mm], 50 Ω,
Threaded

[View on TE.com >](#)

Connectors > RF Coax Connectors > RF Connectors



RF Interface: **SMA**
RF Connector Style: **Jack**
RF Connector Mated Outer Diameter (Approximate): **6.35 mm [.25 in]**
Impedance: **50 Ω**
RF Connector Coupling Mechanism: **Threaded**

Features

Product Type Features

Connector Product Type	Connector Assembly
RF Interface	SMA
RF Connector Style	Jack
Connector System	Cable-to-Panel
Sealable	No

Configuration Features

Number of Positions	1
Number of Coaxial Contacts	1

Electrical Characteristics

Impedance	50 Ω
-----------	------

Body Features

Cable Connector Orientation	Right Angle
Body Material	Stainless Steel
Body Material Finish	Passivated

Contact Features

RF Connector Center Contact Underplating Material	Copper, Nickel
RF Connector Contact Configuration	Captivated Contacts
RF Connector Center Contact Plating Material	Gold



RF Connector Center Contact Material	Beryllium Copper
--------------------------------------	------------------

Termination Features

Termination Method to Wire & Cable	Slot Terminal
------------------------------------	---------------

Mechanical Attachment

Panel Attachment Style	Front Mount
Panel Mount Feature Type	Flange
RF Connector Coupling Mechanism	Threaded
Connector Mounting Type	Panel Mount
RF Contact Captivation Method	Mechanical
Detent	Without

Dimensions

Product Length	14.1 mm[.555 in]
RF Connector Mated Outer Diameter (Approximate)	6.35 mm[.25 in]

Usage Conditions

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

Operation/Application

Operating Frequency	18 GHz
---------------------	--------

Packaging Features

Packaging Method	Package
------------------	---------

Other

Comment	Captured Center Contact
Number of Panel Mounting Holes	4
Dielectric Material	TFE Fluorocarbon

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	Compliant with Exemptions
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 2021 (211) Candidate List Declared Against: JUL 2017 (174)



SVHC > Threshold:
Not Yet Reviewed

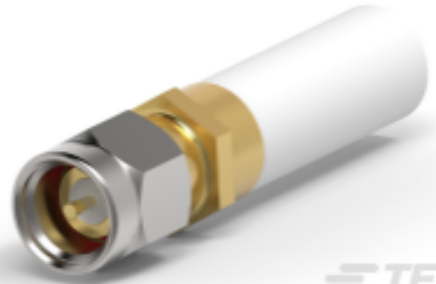
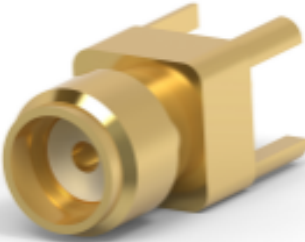
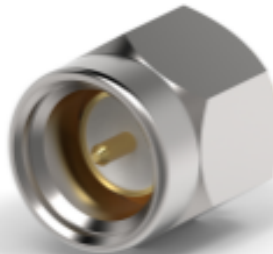
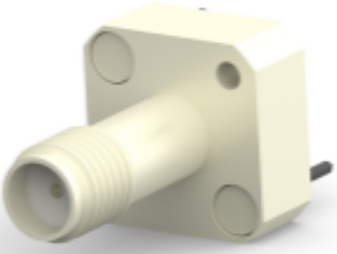
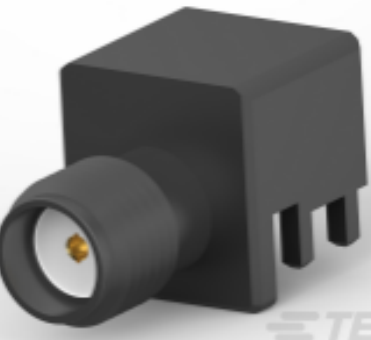
Halogen Content	Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free
-----------------	--

Solder Process CapabilityPin-in-Paste capable to 260°C

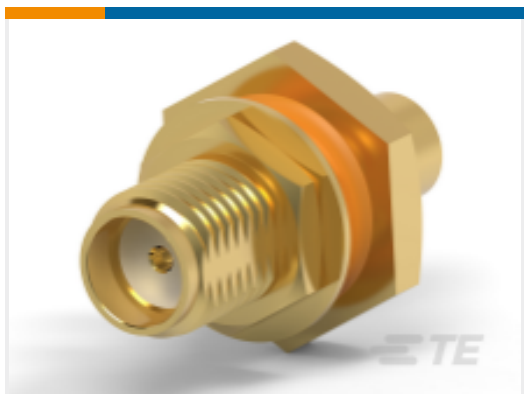
Product Compliance Disclaimer

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

 TE Part # 1051644-1 2031 5003 02	 TE Part # 221789-1 JACK,PCB,SERIES SMA	 TE Part # 1050547-1 2001 5032 00	 TE Part # 1050548-1 2001 5032 02
 TE Part # 6274096-1 JACK ASSEMBLY, ACTION PIN, SMA	 TE Part # 1056443-1 2831 7388 02	 TE Part # 1050525-1 2001 5003 02,SMA CABLE PLUG	 TE Part # 2081005-1 ASSY. SMA JACK PCB EDGE MOUNT



 TE Part # 1050611-1 2001 5443 02	 TE Part # 1050740-1 2001 7641 02	 TE Part # 1050770-1 2001 7985 02,SMA CABLE PLUG	 TE Part # 1050524-1 2001 5003 00,SMA CABLE PLUG
 TE Part # 1050541-1 2001 5031 00	 TE Part # 1050542-1 2001 5031 02	 TE Part # 1050735-1 2001 7585 02	 TE Part # 1050756-1 2001 7941 00
 TE Part # 1050757-1 2001 7941 02	 TE Part # 1050762-1 2001 7943 00,SMA CABLE PLUG	 TE Part # 1050769-1 2001 7985 00,SMA CABLE PLUG	 TE Part # 1051013-1 2004 7941 00

Also in the Series | AMP SMA

 Battery Holders(1)	 Between Series Adapters(3)	 Coax Contacts(1)	 Coax Terminators(1)
 In-Series Adapters(35)	 Rack & Panel Ferrules & Inserts(1)	 RF Cable Assemblies(2)	 RF Connector Hardware(2)



RF Connector Launchers(13)



RF Connector Shrouds(10)

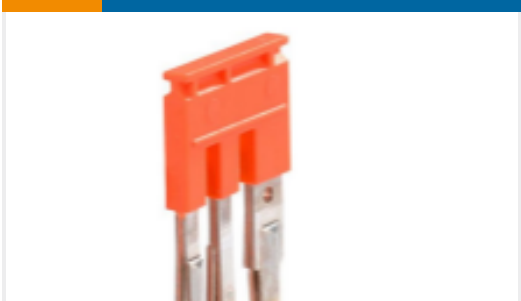


RF Connectors(527)

Customers Also Bought



TE Part #5-1618394-7
CAP202MSBFD=RELAY, DPST-NO



TE Part #1SNK900603R0000
JB85-3



TE Part #2-1761605-8
IDC LOW PRO HDR 24P RA BLUE



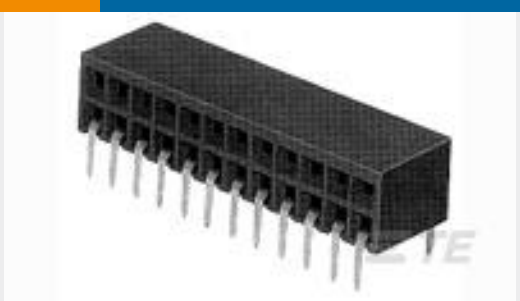
TE Part #2-332070-1
SOCKET,MIN-SPR SN-AU SER-4



TE Part #1617127-6
JM5C-18XP = M39016/11-040P



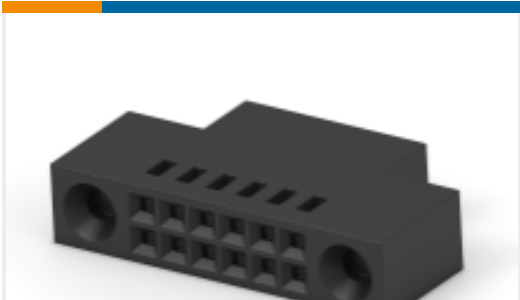
TE Part #YDTS20W15-19SAV001
D38999: Square Flange, 15-19 insert



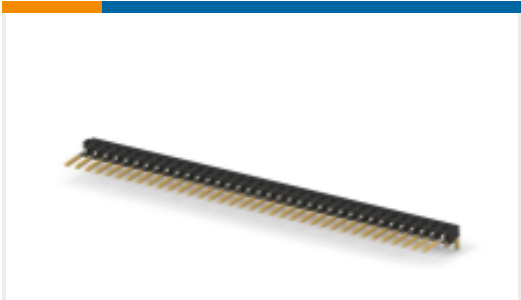
TE Part #1-87961-5
32 MOD II HORZ DR CE 100CL/115



TE Part #1617129-3
JMSP-26XM = M39016/11-024M



TE Part #2-87483-2
12 MODIV HSG DR MRKD .100 EARS



TE Part #3-87232-6
36 MODII HDR SRRA UNSHRD .100

Documents

Product Drawings

2054 1610 02

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1052991-1_A.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_1052991-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1052991-1_A.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[SMA Connectors](#)

English