

CONSMA007-R178 ✓ ACTIVE

TE Internal #: CONSMA007-R178

SMA RF Interface, Plug, 50 Ω , RG 178 / RG 196, Threaded, 12.4 GHz

Operating Frequency, 1 Position, Wire & Cable, Cable Mount (Free-Hanging)

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Connectors > RF Connectors > Coax Connectors



RF Interface: **SMA**

RF Connector Style: **Plug**

Impedance: **50 Ω**

Compatible With RF Cable Type: **RG 178, RG 196**

RF Connector Coupling Mechanism: **Threaded**

Features

Product Type Features

Connector Product Type	Connector Assembly
RF Interface	SMA
RF Connector Style	Plug
Compatible With RF Cable Type	RG 178, RG 196
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

Cable Connector Orientation	Straight
Body Material	Brass
Body Material Finish	Plated
Body Plating Material	Nickel

Contact Features

Ferrule Plating Material	Nickel
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Ferrule Material	Brass
RF Connector Center Contact Plating Material	Gold
RF Connector Center Contact Material	Beryllium Copper

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

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

Usage Conditions

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

Operating Frequency	12.4 GHz
Circuit Application	Signal

Packaging Features

Packaging Quantity	100
Packaging Method	Bulk

Other

Dielectric Material	PTFE
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Product Compliance

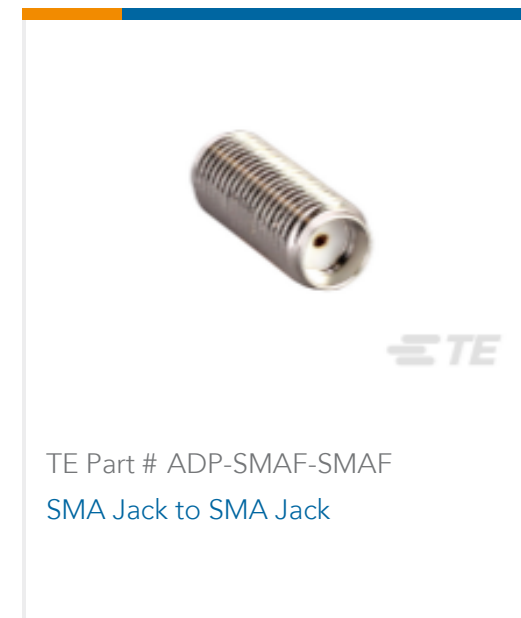
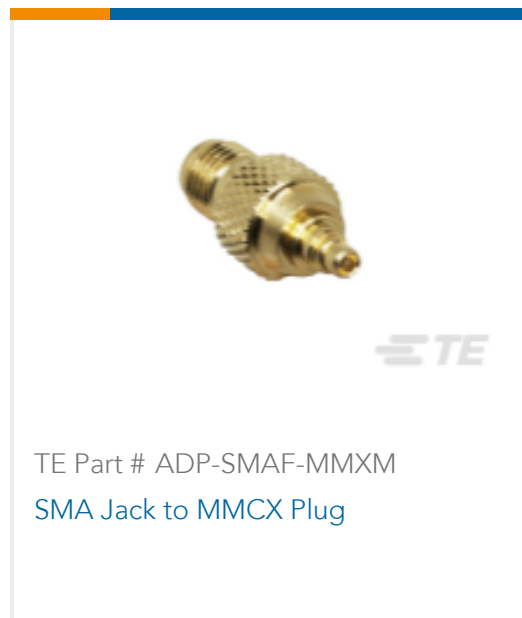
[For compliance documentation, visit the product page on TE.com>](#)

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 2023 (235) Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content
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






TE Part # ADP-SMAF-SMBM-G
SMA Jack to SMB Plug



TE Part # ADP-SMAF-SMPF-G
SMA Jack to SMP Jack



TE Part # ADP-SMAF-SMPM-SSB
SMA Jack to SMP Plug Bulkhead



TE Part # ADP-SMAF-TNCF-B
SMA Jack to TNC Jack Bulkhead



TE Part # ADP-SMAF-UFLM
SMA Jack to U.FL/MHF1 Plug



TE Part # ADP-SMAM-SMAF-T-G
SMA Plug to SMA Jack (2) Tee



TE Part # L9000351-01
Magnetic Base RPS Jack MR195 1M SMA Plug



TE Part # L9000354-01
Magnetic Base SMA Jack MR195 1M SMA Plug

Customers Also Bought



TE Part #1445022-9
MICRO MNL RFECEPT HSG SINGLE R



TE Part #321632
TERMINAL,SOLIS HK 12-10 1/4



TE Part #322307
PI FLAG R 20-16 HD , 14



TE Part #403072-000
STD03W-5



TE Part #CTD126E01A-513
MODULE ASSY



TE Part #1-829261-6
HD FEMALE SCREWLOCK



TE Part #AKA012N00410200000
623 EXTENSION, SPEEDTEC-READY



TE Part #CON SMA012-R178
SMA Plug 50 Ohm Cable Crimp



TE Part #CON SMA014-R178-G
SMA Jack 50 Ohm Cable Crimp Panel Mount



TE Part #L9000277-01
SMA Jack 50 Ohm .031 PCB Edge Mount

Documents



Product Drawings

[SMA Plug 50 Ohm Cable Crimp](#)

English

Datasheets & Catalog Pages

[SMA MALE CABLE END CRIMP FOR RG-178 CABLE](#)

English