TE Internal #: CONSMA007-G

SMA RF Interface, Plug, 50 Ω , RG 188 / RG 174 / RG 316, Threaded,

18 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: 50Ω

Compatible With RF Cable Type: RG 174, RG 188, RG 316

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 174, RG 188, RG 316
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	Brass
Body Material Finish	Plated

Gold

Gold

Body Plating Material

Ferrule Plating Material

Contact Features



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
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]
Operation/Application	
Operating Frequency	18 GHz
Circuit Application	Signal
Packaging Features	
Packaging Quantity	100
Packaging Method	Tray
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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) SVHC > Threshold: Pb (4% 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.

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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 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



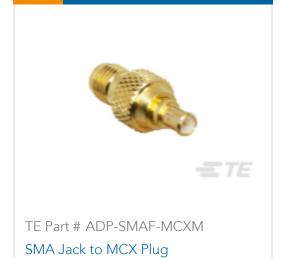
TE Part # ADP-RPSM-SMAF RP-SMA Plug to SMA Jack



TE Part # ADP-RPSM-SMAF-G RP-SMA Plug to SMA Jack



TE Part # ADP-SMAF-BNCM SMA Jack to BNC Plug















TE Part # ADP-SMAF-SMAF-F-G

SMA Jack to SMA Jack Flange











TE Part # ADP-SMAF-SMBM-G

SMA Jack to SMB Plug

SMA



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



SMA Jack to SMP Plug Bulkhead





SMA Jack to U.FL/MHF1 Plug





Customers Also Bought



TE Part #213932-3 M-SERIES KIT,V.35,34P,UNASSM



TE Part #4-1633738-3 CRIMPER, WIRE F



TE Part #CONREVSMA012-R58
RP-SMA RA Plug 50 Ohm PCB Cable
Crimp



TE Part #L9000266-01 SMA Jack 50 Ohm .062 PCB Edge Mount



SMA RA Plug 50 Ohm Cable Crimp



TE Part #CONSMA012-R58

SMA Plug 50 Ohm Cable Crimp



TE Part #CONSMA018-4-G SMA Jack 50 Ohm Panel Mount



TE Part #CSD-SMAM-610-NM SMA to SMA 610mm RG58



RCPT

Documents

SMA RF Interface, Plug, 50 Ω , RG 188 / RG 174 / RG 316, Threaded, 18 GHz Operating Frequency, 1 Position, Wire & Cable, Cable Mount (Free-Hanging)



Product Drawings

SMA Plug 50 Ohm Cable Crimp

English

Datasheets & Catalog Pages

SMA CABLE END CRIMP FOR RD-174 CABLE

English