

# CONSMA014-R178-G ✓ ACTIVE

TE Internal #: CONSMA014-R178-G

SMA RF Interface, Jack, 50  $\Omega$ , RG 178 / RG 196, Threaded, 12.4 GHz

Operating Frequency, 1 Position, Sealable, Wire & Cable, Panel

Mount

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[Connectors >](#) [RF Connectors >](#) [Coax Connectors](#)



RF Interface: **SMA**

RF Connector Style: **Jack**

Impedance: **50  $\Omega$**

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

RF Connector Coupling Mechanism: **Threaded**

## Features

### Product Type Features

Connector Product Type	Connector Assembly
Connector Seal & Plug Type	O-Ring
RF Interface	SMA
RF Connector Style	Jack
Compatible With RF Cable Type	RG 178, RG 196
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable

### Configuration Features

Number of Positions	1
Number of Coaxial Contacts	1

### Electrical Characteristics

Impedance	50 $\Omega$
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### Body Features

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

### Contact Features



Ferrule Plating Material	Gold
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	Panel Mount
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	Tray

**Other**

Lockwasher Material	Brass
Gasket Material	Silicone Rubber
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) 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 # L9000274-01  
SMA Plug 50 Ohm .031 PCB Edge Mount



TE Part # NT-SMA-G  
Connector Nut For SMA Connectors Gold



TE Part # WS-SMA-G  
Connector Lockwasher For SMA Connectors



TE Part # WS-SMA-N  
Washer Nickel SMA Connector RoHS



TE Part # OR-SMA-R  
Rubber O-Ring SMA Connectors RoHS

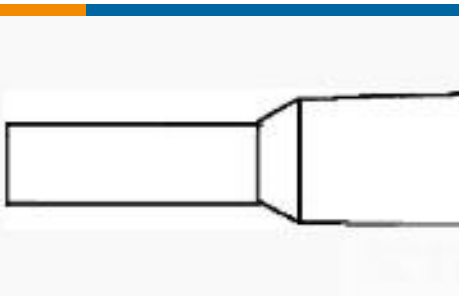
### Customers Also Bought



TE Part #3-640707-1  
SL 156 RECEPTACLE LP



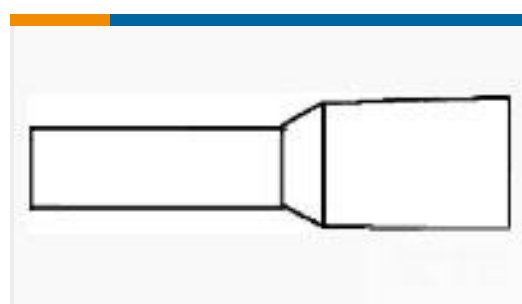
TE Part #1658670-4  
PIN CONTACT, 22 DF, LP, 22-28 AWG



TE Part #2-966067-6  
FER, WIRE, PL SLV, 16.00/6, L12, BLUE, LP



TE Part #61365-1  
250 FASTON TAB TPBR



TE Part #1-966067-9  
FER,WIRE,PL SLV,4.00/12,L10,GREY,LP



TE Part #1-2176345-5  
CRGCQ 1210 150R 1%



TE Part #1-829261-6  
HD FEMALE SCREWLOCK



TE Part #AKA012N00410200000  
623 EXTENSION, SPEEDTEC-READY



TE Part #CON SMA007-R178  
SMA Plug 50 Ohm Cable Crimp



TE Part #1337769-3  
50 OHM COAX BNC STR PLUG STR P

## Documents

### Datasheets & Catalog Pages

[SMA FEMALE BULK HEAD MOUNT CABLE END CRIMP WITH O-RING FOR RG-178 CABLE](#)

English