



SMA

TE Internal #: CONSMA015
SMA Connector, Jack, 50 ohm, RG 174 / RG 188 / RG 316
Compatible With RF Cable Type, Threaded, 12 GHz, 1 Position,
Sealable, Wire & Cable, SMA

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Connectors > RF Connectors > Coax Connectors



RF Interface: **SMA**
RF Connector Style: **Jack**
Impedance: **50 Ω**
Compatible With RF Cable Type: **RG 174, RG 188, RG 316**
RF Connector Coupling Mechanism: **Threaded**

Features

Product Type Features

Connector Seal & Plug Type	O-Ring
Connector Product Type	Connector Assembly
RF Interface	SMA
RF Connector Style	Jack
Compatible With RF Cable Type	RG 174, RG 188, RG 316
Sealable	Yes
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	Brass
Body Material Finish	Plated
Body Plating Material	Nickel

Contact Features

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Ferrule Plating Material	Nickel
Ferrule Material	Brass
RF Connector Center Contact Plating Material	Gold (Au)
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

Housing Features

Body Orientation	Straight
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Usage Conditions

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

Circuit Application	Signal
Operating Frequency Range	12 GHz

Packaging Features

Packaging Quantity	100
Packaging Method	Bulk

Other

Gasket Material	Silicone Rubber
Lockwasher Material	Brass
Dielectric Material	Polytetrafluoroethylene (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	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) 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

Also in the Series | SMA



SMA RF Connectors(197)

Customers Also Bought

CONSMA015

SMA Connector, Jack, 50 ohm, RG 174 / RG 188 / RG 316 Compatible With RF Cable
Type, Threaded, 12 GHz, 1 Position, Sealable, Wire & Cable, SMA



TE Part #66361-2
III+ PIN, 18-14, TIN-LEAD, LP



TE Part #66589-1
TYPE VI PIN CONT, M-MATE, LP



TE Part #1-794612-0
PIN CONT 20-24 TIN PLATE L/P



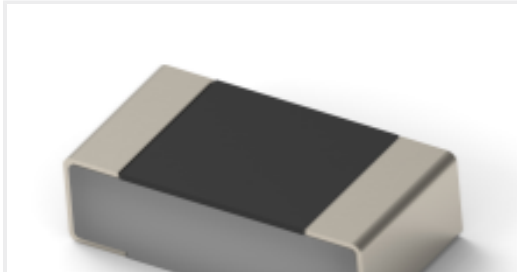
TE Part #1-794617-2
12POS, MICRO MNL, RCPT HSG



TE Part #5-1437624-1
PKES60B1/8=KNOB



TE Part #1488167-1
FERRULE, RTK031, 180 GRAD



TE Part #2176467-1
TLRP 1206 1.0W R008 1% 50PPM 5K RL



TE Part #2298506-1
MATE-AX, Pin outer contact, RG 174



TE Part #2298508-1
MATE-AX, Pin center contact, RG 174



TE Part #2310138-1
1P, MATE-AX, PIN HSG ASSY, 180DEG, COD A

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_CONSMA015_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_CONSMA015_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_CONSMA015_C.3d_stp.zip

English

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

Datasheets & Catalog Pages

SMA FEMALE BULKHEAD MOUNT CABLE END CRIMP WITH O-RING FOR RG174 CABLE

English