

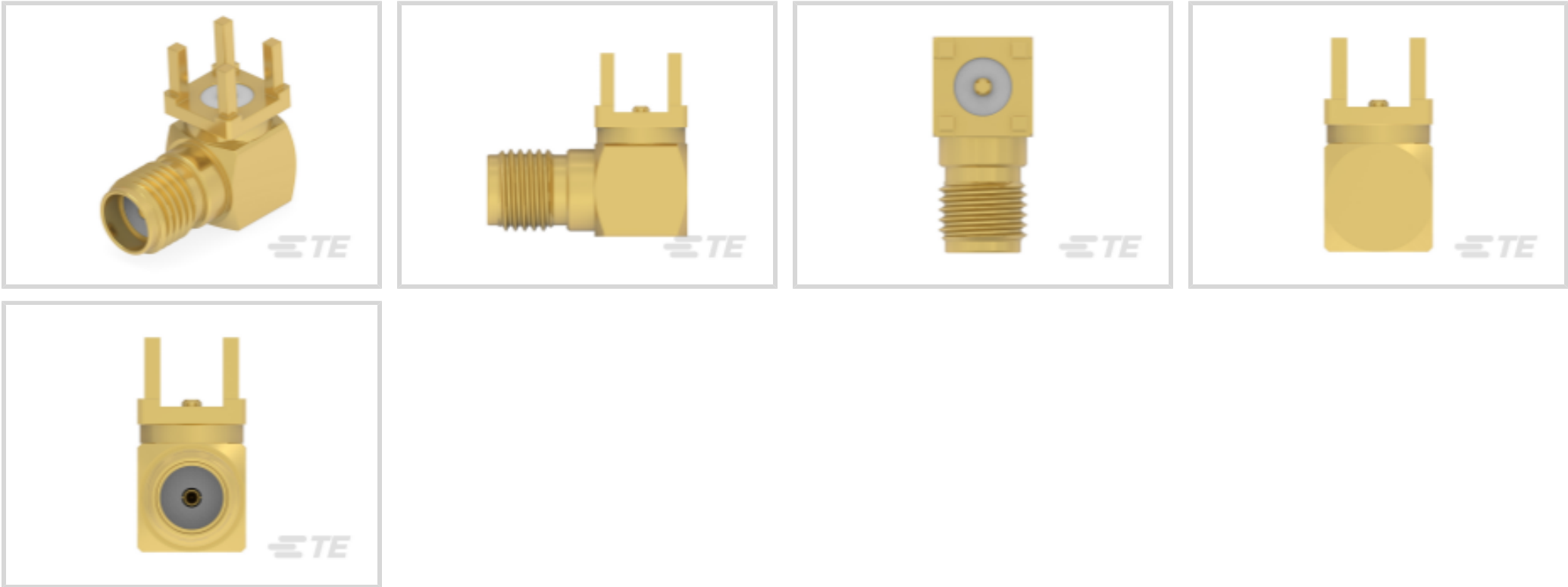


SMA

TE Internal #: 2484786-1
SMA Connector, Jack, 50 ohm, Threaded, 18 GHz, Cable-to-Board,
1 Position, Printed Circuit Board, Board Mount, -65 – 165 °C [-85 –
329 °F], Brass, SMA

[View on TE.com >](#)

Connectors > RF Connectors > Coax Connectors



RF Interface: **SMA**
RF Connector Style: **Jack**
Impedance: **50 Ω**
RF Connector Coupling Mechanism: **Threaded**
Operating Frequency Range: **18 GHz**

Features

Product Type Features

RF Interface	SMA
RF Connector Style	Jack
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

PCB Mount Orientation	Right Angle
Number of Positions	1
Number of Coaxial Contacts	1

Electrical Characteristics

Impedance	50 Ω
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Body Features

Body Underplating Material	Nickel
Body Material	Brass



Body Material Finish	Plated
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Body Plating Material	Gold
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Contact Features

	30 µin
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Outer Contact Plating Material	Gold (Au)
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RF Connector Contact Configuration	Captivated
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RF Connector Center Contact Underplating Material	Nickel
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RF Connector Center Contact Plating Material	Gold (Au)
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RF Connector Center Contact Material	Beryllium Copper
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Termination Features

Termination Method to PCB	Surface Mount
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Mechanical Attachment

RF Connector Coupling Mechanism	Threaded
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Connector Mounting Type	Board Mount
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RF Contact Captivation Method	Mechanical
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Detent	Without
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Usage Conditions

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

Circuit Application	Signal
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Operating Frequency Range	18 GHz
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Packaging Features

Packaging Quantity	100
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Packaging Method	Tray
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Other

Dielectric Material	Polytetrafluoroethylene (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
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EU ELV Directive 2000/53/EC	Not Yet Reviewed
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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) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (3.34% 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.
Halogen Content	Low Halogen - Br, Cl, F < 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 # CSE-SGAM-305-SGAM
SMA to SMA 305mm RG316

TE Part # 2466282-1
SMA PLUG STR SOLDER .085 .086 18 GHZ SUS

TE Part # CONSMA007
SMA Plug 50 Ohm Cable Crimp

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

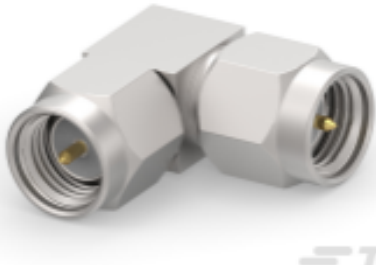




TE Part # CSA-SMAM-216-RSFB
[SMA to RP-SMA 216mm RG174](#)



TE Part # CONSMA012
[SMA RA Plug 50 Ohm Cable Crimp](#)



TE Part # 2477465-1
[SMA Plug to SMA Plug RA 18 GHz SUS](#)

Also in the Series | SMA



Battery Holders(1)



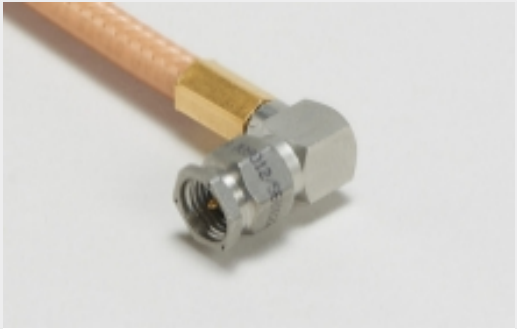
Connector Adapters & Connector Savers(8)



Connector Caps & Covers(3)



Connector Strain Relief(1)



RF Cable Assemblies(119)

Documents

Product Drawings

SMA Jack RA SMD Pin Thru Hole 18 GHz

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2484786-1_1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2484786-1_1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2484786-1_1.3d_stp.zip](#)

English



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

Datasheets & Catalog Pages

[rf-connectors-product-extension-flyer-en](#)

English

[test-probe-connector-en-flyer](#)

English

Product Specifications

[Product Specification](#)

English