

2016504-1 ✓ ACTIVE

AMP SMA

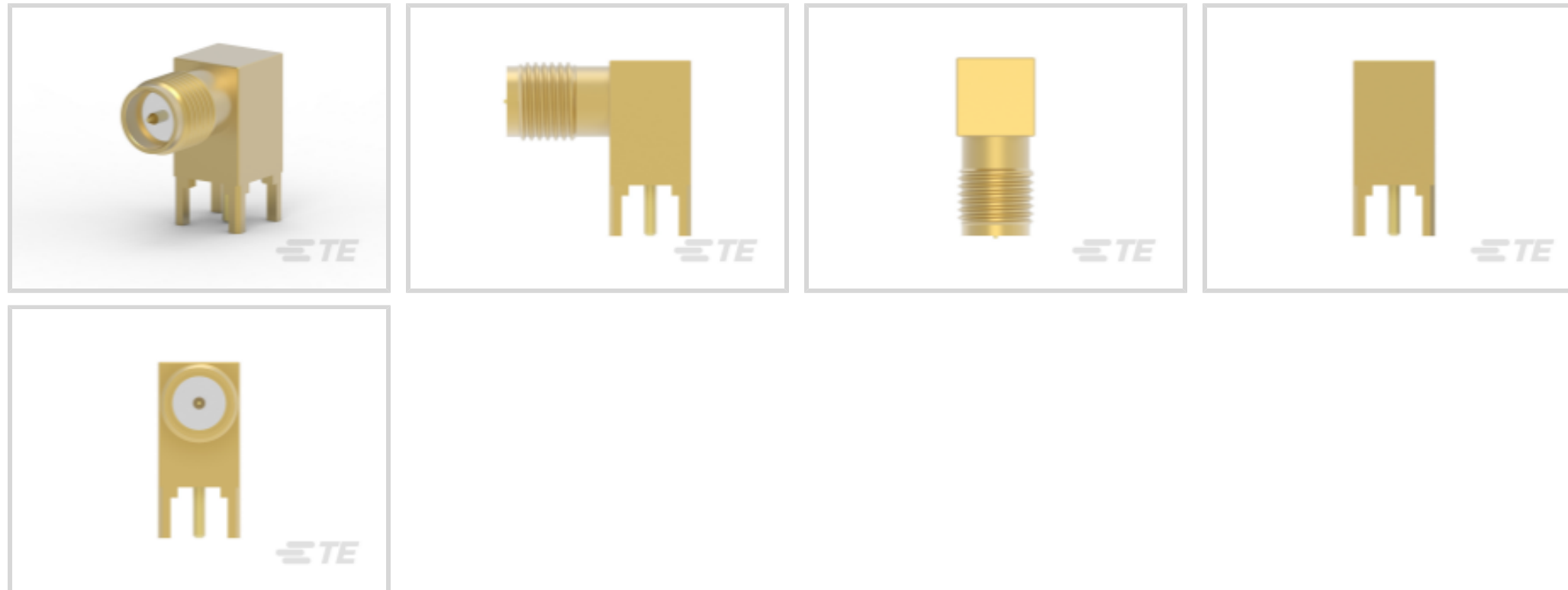
TE Internal #: 2016504-1

AMP SMA, RF Connectors, SMA RF Interface, RF Connector Mated
Outer Diameter (Approximate) .25 in [6.35 mm], 50 Ω, Bayonet,
6GHz Operating Frequency

[View on TE.com >](#)



Connectors > RF Coax Connectors > RF Connectors



RF Interface: **SMA**

RF Connector Mated Outer Diameter (Approximate): **6.35 mm [.25 in]**

Impedance: **50 Ω**

RF Connector Coupling Mechanism: **Bayonet**

Operating Frequency: **6 GHz**

Features

Product Type Features

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

Configuration Features

Number of Mounting Legs	4
Number of Positions	1
PCB Mount Orientation	Right Angle
Number of Coaxial Contacts	1

Electrical Characteristics

Impedance	50 Ω
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Body Features

Body Material	Zinc Alloy
Body Material Finish	Plated



Body Plating Material	Gold
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Contact Features

RF Connector Center Contact Underplating Material	Nickel
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RF Connector Center Contact Plating Material	Gold
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RF Connector Center Contact Material	Brass
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Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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Termination Post & Tail Length	3.1 mm[.122 in]
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Mechanical Attachment

Screw & Hole Thread Size	1/4-36UNS-2A
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RF Connector Coupling Mechanism	Bayonet
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Detent	Without
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Dimensions

RF Connector Mated Outer Diameter (Approximate)	6.35 mm[.25 in]
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Height Above PC Board	10.43 mm[.41 in]
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Usage Conditions

Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
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Operation/Application

Operating Frequency	6 GHz
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Circuit Application	Signal
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Packaging Features

Packaging Method	Single Pack
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Other

Outer Contact Plating Material	Gold (Au)
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PCB Leg Plating Material	Gold (Au)
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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
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EU ELV Directive 2000/53/EC	Compliant with Exemptions
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China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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.
Halogen Content	Low Halogen - Br, Cl, F, I < 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 Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts



TE Part # 2195772-1
Terminal Antenna, RP-SMA, Wi-Fi, 2.4-2.5GHz



TE Part # 2108923-3
External Ant., RP-SMA, Wi-Fi 6E(Black)



TE Part # 2108923-4
External Ant., RP-SMA, Wi-Fi 6E(White)



TE Part # 2195630-1
WLAN Dual Band Terminal Antenna



TE Part # 2195899-1
External Ant, RP-SMA, Wi-Fi, 2.4-2.5GHz

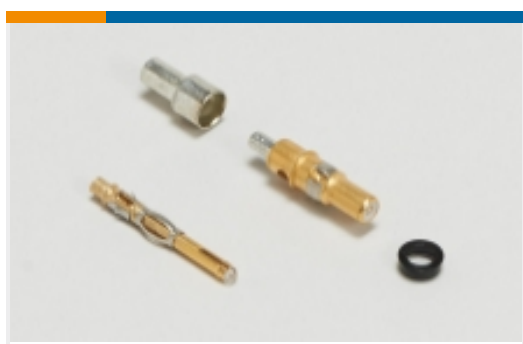
Also in the Series | **AMP SMA**



Battery Holders(1)



Between Series Adapters(3)



Coax Contacts(1)



Coax Terminators(1)



In-Series Adapters(35)



Rack & Panel Ferrules & Inserts(1)



RF Cable Assemblies(2)



RF Connector Hardware(2)



RF Connector Launchers(13)



RF Connector Shrouds(10)



RF Connectors(527)

Customers Also Bought



TE Part #1623788-1
Wirewound Resistor: Vertical Mount



TE Part #1-1827872-0
DYNAMIC 1100 HDR ASSY



TE Part #1-1415898-4
PCB Power Relay: 16 Amp, Inrush



TE Part #1-2040832-4
0.25mm FPC Connectors



TE Part #1558660-1
PCB Power Relay: 30 amp, Monostable DC



TE Part #1393240-1
RT314048



TE Part #1-829315-0
2X10P MOD2 STIFTLI



TE Part #9835394001
LSTT-2.4-0-SP



Documents

Product Drawings

SMA RIGHT ANGLE, PCB, RP

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2016504-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2016504-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2016504-1_A.3d_stp.zip

English

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

Datasheets & Catalog Pages

SMA Connectors

English

Product Specifications

Economy RF Coaxial Connectors

English

Product Specification

English