



RP-SMA

TE Internal #: L9000254-01
RP-SMA Connector, Jack, 50 ohm, Threaded, 12 GHz, 1 Position,
Printed Circuit Board, Board Mount, -65 – 165 °C [-85 – 329 °F],
Solder, RP-SMA

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Connectors > RF Connectors > Coax Connectors



RF Interface: **RP-SMA**
RF Connector Style: **Jack**
Impedance: **50 Ω**
RF Connector Coupling Mechanism: **Threaded**
Operating Frequency Range: **12 GHz**

Features

Product Type Features

Connector Product Type	Connector Assembly
RF Interface	RP-SMA
RF Connector Style	Jack
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

PCB Mount Orientation	Edge
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

RF Connector Center Contact Plating Material	Gold (Au)
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RF Connector Center Contact Material	Brass
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Termination Features

Termination Method to Wire & Cable	Solder
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Mechanical Attachment

RF Connector Coupling Mechanism	Threaded
Connector Mounting Type	Board 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

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 # L9000010-01 Antenna 1/2 Wave Whip Swivel 1.4 GHz RPS	 TE Part # ANT-915-IPW1-RPS Antenna Whip IP67 915MHz LPWA Swivel RPS	 TE Part # ANT-DB1-RMS-RPS Antenna Vehicle DualBand RG58 4.3M RPS	 TE Part # ANT-916-CW-HW Antenna 1/2 Wave Dipole Whip 916MHz RPS
 TE Part # ANT-MAG-B66-RPS Antenna Magnetic Base 66mm RG174 4M RPS	 TE Part # ANT-433-MHW-RPS-L Antenna 433MHz Dipole MHW Long RPS	 TE Part # ANT-315-CW-RCS Antenna 1/4 Wave R-Angle 315MHz RPS	 TE Part # ANT-868-CW-QW Antenna 1/4 Wave Whip 868MHz
 TE Part # ANT-315-CW-HWR-RPS Antenna 1/2 Wave Whip Swivel 315MHz RPS	 TE Part # ANT-916-CW-RH Antenna 1/4 Wave Short 916MHz RPS	 TE Part # L9000031-01 Antenna 1/2 Wave Swivel 2.4GHz RPS	 TE Part # L9000350-01 Magnetic Base RPS Jack MR195 1M RPS Plug



TE Part # L9000015-01
Antenna CER Patch 20mm Sq 2.45GHz Adh



TE Part # L9000091-01
Antenna Whip 2.4GHz Tilt Swivel RPS



TE Part # ANT-868-CW-RAH
Antenna 1/4 Wave R-Angle 868MHz RPS



TE Part # ANT-916-WRT-RPS
Antenna Dome Compact 916MHz RG174 RPS



TE Part # ANT-868-WRT-RPS
Antenna Dome 868MHz RG174 216 RPS



TE Part # L9000009-01
Antenna 1/2 Wave Whip 1.4GHz RPS



TE Part # ANT-868-CW-RH
Antenna 1/4 Wave Short 868MHz RPS



TE Part # ANT-W63WS2-RPS
Antenna Blade Wifi6/6E Swivel RPS

Also in the Series | **RP-SMA**



RP-SMA RF Connectors(42)

Customers Also Bought



TE Part #DT04-2P
REC, 2P, GRY, N



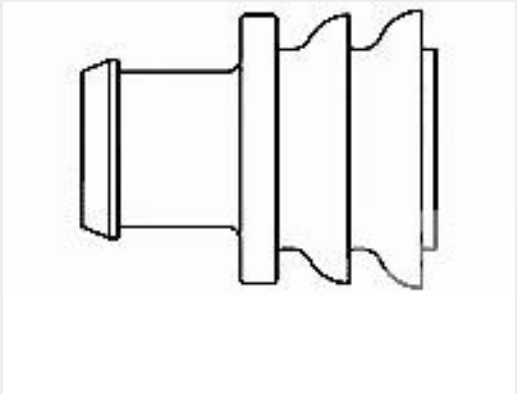
TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #CAT-D48-ST273
DEUTSCH Connector Solid Contacts



TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_L9000254-01_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_L9000254-01_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_L9000254-01_B.3d_stp.zip

English

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

Datasheets & Catalog Pages

RP-SMA FEMALE EDGE MULTI-MOUNT FOR 0.031INCH THICK BOARD

English