

3-1478978-1 ✓ ACTIVE

AMP | SMA

TE Internal #: 3-1478978-1

SMA Connector, Jack, 50 ohm, Screw, 6 GHz, Cable-to-Board, 1 Position, Printed Circuit Board, Board Mount, -65 – 165 °C [-85 – 329 °F], Brass, SMA

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Connectors > RF Connectors > Coax Connectors



RF Interface: **SMA**

RF Connector Style: **Jack**

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

Impedance: **50 Ω**

RF Connector Coupling Mechanism: **Screw**

Features

Product Type Features

Connector Product Type	Connector Assembly
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 Material	Brass
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Body Plating Material	Gold
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Contact Features

RF Connector Contact Configuration	Not Captivated
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RF Connector Center Contact Underplating Material	Copper
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RF Connector Center Contact Plating Material	Gold (Au)
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RF Connector Center Contact Material	Phosphor Bronze
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Termination Features

Termination Method to PCB	Through Hole - Solder
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Termination Post & Tail Length	3.4 mm[.133 in]
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Mechanical Attachment

RF Connector Coupling Mechanism	Screw
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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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Dimensions

Product Length	13.5 mm[.532 in]
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Profile Height from PCB	10.1 mm[.397 in]
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RF Connector Mated Outer Diameter (Approximate)	6.35 mm[.25 in]
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Usage Conditions

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

Operating Frequency Range	6 GHz
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Packaging Features

Packaging Quantity	30
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Packaging Method	Bag
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Other

Grade	Commercial
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Dielectric Material	Polyoxymethylene (POM)
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Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>



EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	<p>Current ECHA Candidate List: JUNE 2025 (250)</p> <p>Candidate List Declared Against: JUNE 2025 (250)</p> <p>SVHC > Threshold: Pb (3.15% in M-16003-10)</p> <p>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.</p>
Halogen Content	Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free
Solder Process Capability	Wave solder capable to 265°C

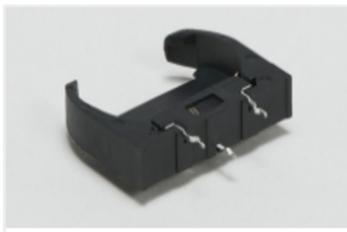
Product Compliance Disclaimer

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



Also in the Series | SMA



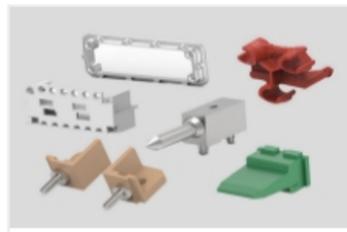
Battery Holders(1)



Connector Adapters & Connector Savers(8)



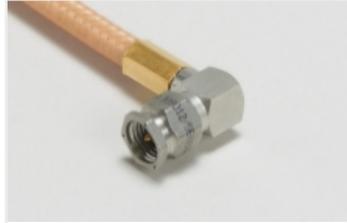
Connector Caps & Covers(3)



Connector Hardware(2)



Connector Strain Relief(1)

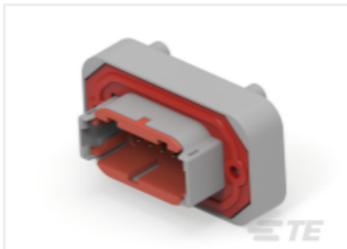


RF Cable Assemblies(119)



RF Terminators(1)

Customers Also Bought



TE Part #DTM15-12PD
HDR, 12P, GRY, ST, NI/CU, D



TE Part #3-641126-2
02P MTA100 HDR ASY FL/STR LF



TE Part #826470-5
2X5P MOD II SHROUDED HEADER,
RT ANG.



TE Part #9-1676481-6
CPF 0603 82K 0.1% 25PPM 1K RL



TE Part #2-1761465-2
PCI Express RA assy 5.8mm slot 2.3
mm pc



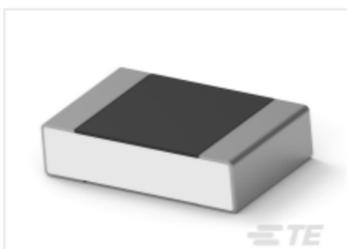
TE Part #1-1879138-2
RN 0603 2K05 0.1% 10PPM 5K RL



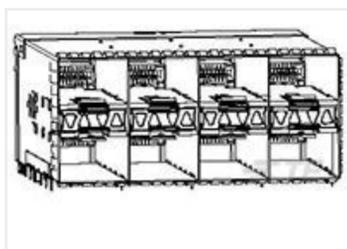
TE Part #7-1879497-5
CRGH1206 5% 1K2 0.5W



TE Part #8-1879501-1
CRGH2512 5% 2K2 2W



TE Part #2176376-7
RQ 0805 14K3 0.1% 10PPM 1K RL



TE Part #2180324-6
zSFP+ STACKED 2X4 RECEPTACLE
ASSEMBLY

Documents



Product Drawings

SMA R/A PCB SKT GB

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_3-1478978-1_F.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-1478978-1_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-1478978-1_F.3d_stp.zip](#)

English

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