

CONSMA001-SMD ✓ ACTIVE

TE Internal #: CONSMA001-SMD

SMA RF Interface, Jack, 50 Ω , Threaded, 18 GHz Operating Frequency, 1 Position, Printed Circuit Board, Board Mount, -65 – 165 °C [-85 – 329 °F]

[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: **18 GHz**

Features

Product Type Features

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

Configuration Features

| | |
|----------------------------|----------|
| PCB Mount Orientation | Vertical |
| Number of Positions | 1 |
| Number of Coaxial Contacts | 1 |

Electrical Characteristics

| | |
|-----------|-------------|
| Impedance | 50 Ω |
|-----------|-------------|

Body Features

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|-----------------------------|----------|
| Cable Connector Orientation | Straight |
| Body Material | Brass |
| Body Material Finish | Plated |
| Body Plating Material | Nickel |

Contact Features

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|--|------|
| RF Connector Center Contact Plating Material | Gold |
|--|------|



| | |
|--------------------------------------|------------------|
| RF Connector Center Contact Material | Beryllium Copper |
|--------------------------------------|------------------|

Termination Features

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|---|---------------|
| Termination Method to Printed Circuit Board | Surface Mount |
|---|---------------|

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|------------------------------------|--------|
| Termination Method to Wire & Cable | Solder |
|------------------------------------|--------|

Mechanical Attachment

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|---------------------------------|----------|
| RF Connector Coupling Mechanism | Threaded |
|---------------------------------|----------|

| | |
|-------------------------|-------------|
| Connector Mounting Type | Board Mount |
|-------------------------|-------------|

| | |
|-------------------------------|------------|
| RF Contact Captivation Method | Mechanical |
|-------------------------------|------------|

| | |
|--------|---------|
| Detent | Without |
|--------|---------|

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -65 – 165 °C[-85 – 329 °F] |
|-----------------------------|----------------------------|

Operation/Application

| | |
|---------------------|--------|
| Operating Frequency | 18 GHz |
|---------------------|--------|

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|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

Packaging Features

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|--------------------|-----|
| Packaging Quantity | 100 |
|--------------------|-----|

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|------------------|------|
| Packaging Method | Bulk |
|------------------|------|

Other

| | |
|---------------------|------|
| Dielectric Material | PTFE |
|---------------------|------|

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 |
|-----------------------------|------------------|

| | |
|---|--------------------------------------|
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold |
|---|--------------------------------------|

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|--|--|
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2023 (235) Not Yet Reviewed |
|--|--|

| | |
|-----------------|--------------------------------------|
| Halogen Content | Not Yet Reviewed for halogen content |
|-----------------|--------------------------------------|

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|---------------------------|--|
| 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

Customers Also Bought



TE Part #T4062123004-001
RPC-M8-4MS-0.5SH-M8-4FS-PUR



TE Part #T4161410008-005
RPC-M12-FR-8CON-PVC-5.0SH



TE Part #TAA755A5501-001
Fieldbus, DeviceNet M12 A-Code 5p PUR DE



TE Part #2-1761608-3
IDC LOW PRO HDR 10P VERT SHT L



TE Part #42067-1
110 FATON REC 24-22 AWG TPBR



TE Part #8-1879215-1
CPF 0402 31K6 0.1% 25PPM 1K RL



TE Part #2293255-1
FASTON 187 REC 0.5-1.5MM2 TPBR



TE Part #2-1879216-1
CPF 0402 82K5 0.1% 25PPM 1K RL

Documents

Product Drawings

[SMA Jack 50 Ohm PCB Surface Mount](#)

English

[SMA Jack 50 Ohm PCB Surface Mount](#)



English

[Datasheets & Catalog Pages](#)

[SMA FEMALE PCB MOUNT SURFACE MOUNT](#)

English