



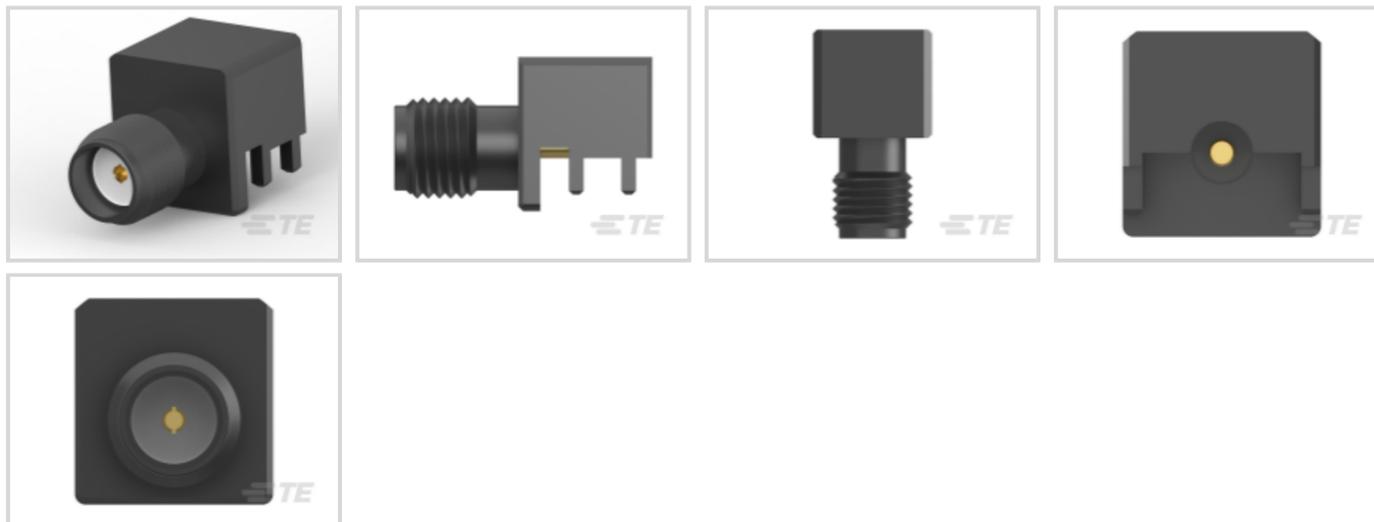
AMP SMA

TE Internal #: 2081005-1

SMA RF Interface, Jack, 50 ohm, Screw, 11 GHz Operating Frequency, Cable-to-Board, 1 Position, Printed Circuit Board, Panel Mount, AMP 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 |
|-----------|------|

Body Features

| | |
|---------------|------|
| Body Material | Zinc |
|---------------|------|



| | |
|----------------------|--------|
| Body Material Finish | Bright |
|----------------------|--------|

| | |
|-----------------------|-----|
| Body Plating Material | Tin |
|-----------------------|-----|

Contact Features

| | |
|---|--------|
| RF Connector Center Contact Underplating Material | Nickel |
|---|--------|

| | |
|------------------------------------|----------------|
| RF Connector Contact Configuration | Not Captivated |
|------------------------------------|----------------|

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

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

Termination Features

| | |
|--------------------------------|------------------|
| Termination Post & Tail Length | 2.92 mm[.115 in] |
|--------------------------------|------------------|

| | |
|---------------------------|-----------------------|
| Termination Method to PCB | Through Hole - Solder |
|---------------------------|-----------------------|

Mechanical Attachment

| | |
|---------------------------------|-------|
| RF Connector Coupling Mechanism | Screw |
|---------------------------------|-------|

| | |
|-------------------------|-------------|
| Connector Mounting Type | Panel Mount |
|-------------------------|-------------|

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

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

Dimensions

| | |
|-------------------------|------------------|
| Profile Height from PCB | 9.68 mm[.381 in] |
|-------------------------|------------------|

| | |
|----------------|------------------|
| Product Length | 16.4 mm[.646 in] |
|----------------|------------------|

| | |
|---|-----------------|
| RF Connector Mated Outer Diameter (Approximate) | 6.35 mm[.25 in] |
|---|-----------------|

Usage Conditions

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

Operation/Application

| | |
|---------------------|--------|
| Operating Frequency | 11 GHz |
|---------------------|--------|

Packaging Features

| | |
|--------------------|-----|
| Packaging Quantity | 250 |
|--------------------|-----|

| | |
|------------------|------|
| Packaging Method | Reel |
|------------------|------|

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 |
| 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 2024 (241)</p> <p>Candidate List Declared Against: JUNE 2022 (224)</p> <p>SVHC > Threshold:</p> <p>Pb (4% in Component part)</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 Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| Solder Process Capability | Reflow solder capable to 260°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

| | | | |
|---|---|---|---|
|  <p>TE Part # 1052566-1 2052 1618 02,SMA FM JACK RECPT</p> |  <p>TE Part # 1050547-1 2001 5032 00</p> |  <p>TE Part # 1050548-1 2001 5032 02</p> |  <p>TE Part # 1052422-1 2052 0000 02,SMA FM JACK RECPT</p> |
|---|---|---|---|




TE Part # 1050524-1
2001 5003 00,SMA CABLE PLUG



TE Part # 1050859-1
2002 5016 00



TE Part # 1052098-1
2037 5100 02



TE Part # 1052552-1
2052 1352 02,SMA FM JACK RECPT



TE Part # 1050720-1
2001 7188 00



TE Part # 1052514-1
2052 1133 00



TE Part # 1050602-1
2001 5395 02



TE Part # 1050525-1
2001 5003 02,SMA CABLE PLUG



TE Part # 1052902-1
2052 5674 02



TE Part # 1056462-1
2837 7388 02



TE Part # 1051110-1
2007 5054 02



TE Part # 1051664-1
2031 5012 00



TE Part # 1052066-1
2037 5006 00,SMA RA CABLE PLUG



TE Part # 1052075-1
2037 5008 00,SMA RA CABLE PLUG



TE Part # 1056456-1
2837 7316 02



TE Part # 1408442-3
SMA STRAIGHT PLUG CABLE END

Also in the Series | AMP SMA



Battery Holders(1)



Coax Connectors(71)



Connector Adapters & Connector Savers(8)



Connector Caps & Covers(3)



Connector Hardware(2)



Connector Strain Relief(1)



RF Cable Assemblies(2)

Customers Also Bought



Documents

Product Drawings

[ASSY. SMA JACK PCB EDGE MOUNT](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_2081005-1_A.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2081005-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2081005-1_A.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[1-1773725-8_RF_COAX_QRG](#)

English

Product Specifications

[Product Specification](#)

English

[Product Specification](#)



English