



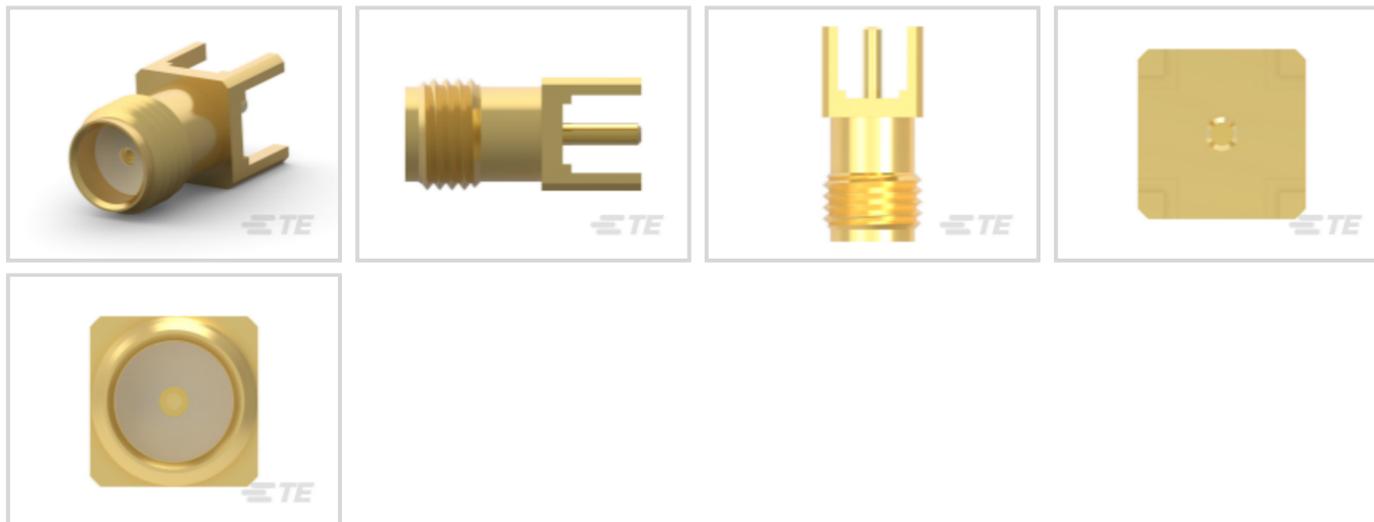
SMA

TE Internal #: 5-1814832-2

SMA Connector, Jack, 50 ohm, Threaded, 3 GHz, Cable-to-Board, 1 Position, Printed Circuit Board, Board Mount, -55 – 85 °C [-67 – 185 °F], SMA

[View on TE.com >](#)

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: **Threaded**

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 | Vertical |
| Number of Positions | 1 |
| Number of Coaxial Contacts | 1 |

Electrical Characteristics

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

Body Features

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



| | |
|-----------------------|------|
| Body Plating Material | Gold |
|-----------------------|------|

Contact Features

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

| | |
|--|-----------|
| RF Connector Center Contact Plating Material | Gold (Au) |
|--|-----------|

| | |
|--------------------------------------|-----------------|
| RF Connector Center Contact Material | Phosphor Bronze |
|--------------------------------------|-----------------|

Termination Features

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

| | |
|--------------------------------|---------------|
| Termination Post & Tail Length | 4 mm[.157 in] |
|--------------------------------|---------------|

Mechanical Attachment

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

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

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

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

Dimensions

| | |
|----------------|------------------|
| Product Length | 13.5 mm[.532 in] |
|----------------|------------------|

| | |
|-------------------------|-----------------|
| Profile Height from PCB | 7.8 mm[.307 in] |
|-------------------------|-----------------|

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

Usage Conditions

| | |
|-----------------------------|---------------------------|
| Operating Temperature Range | -55 – 85 °C[-67 – 185 °F] |
|-----------------------------|---------------------------|

Operation/Application

| | |
|---------------------------|-------|
| Operating Frequency Range | 3 GHz |
|---------------------------|-------|

Packaging Features

| | |
|--------------------|---|
| Packaging Quantity | 1 |
|--------------------|---|

| | |
|------------------|-----|
| Packaging Method | Box |
|------------------|-----|

Other

| | |
|-------|------------|
| Grade | Commercial |
|-------|------------|

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

Compliant with Exemptions

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)
Candidate List Declared Against: JUNE 2025 (250)
Does not contain REACH SVHC

Halogen Content

Low Bromine/Chlorine - Br and Cl < 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 # 2032439-3
RF CA,SMA PG ST TO UMCC GEN1, L100MM



TE Part # 2363696-5
PUCK ANT CELL/WIFI/GPS SMA 2M



TE Part # 2108923-2
External Ant., SMA, Wi-Fi 7(White)



TE Part # 2195632-1
EXTERNAL DUAL BAND GSM ANTENNA



TE Part # 2487514-1
WHIP ANT, SMA-STRAIGHT, 617-5000MHz



TE Part # 2479976-5
SMA M to SMA M Str 18G Flexible.086 60"



TE Part # 2479976-3
SMA M to SMA M Str 18G Flexible.086 36"



TE Part # 2479976-1
SMA M to SMA M Str 18G Flexible.086 12"




TE Part # 2118879-2
PCB Ant., SMA RA, 457mm, 0.7-2.7GHz



TE Part # 2108923-1
External Ant., SMA, Wi-Fi 7(Black)



TE Part # 619135-1
BOARD TO BOARD CONNECTOR



TE Part # 2118879-6
PCB Antenna,cable,SMA,690-2700MHz



TE Part # 2479976-4
SMA M to SMA M Str 18G Flexible.086 48"



TE Part # 2479976-7
SMA M to SMA M Str 18G Flexible.086 120"



TE Part # 2479976-6
SMA M to SMA M Str 18G Flexible.086 72"



TE Part # 2195889-2
External Ant, SMA, 600-6000MHz 72"



TE Part # 2108940-2
Terminal Ant,RP-SMA,LTE,GNSS,698-2700MHz



TE Part # 2479976-2
SMA M to SMA M Str 18G Flexible.086 24"



TE Part # 2118879-1
PCB Ant., SMA RA, 254mm, 0.7-2.7GHz



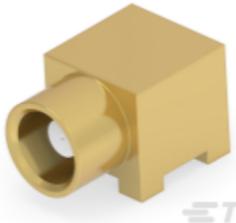
TE Part # 2118879-4
PCB Ant., SMA, 130mm, 0.7-2.7GHz

Also in the Series | SMA



Connector Caps & Covers(3)

Customers Also Bought



TE Part #CONMCX002-SMD-T
MCX Jack 50 Ohm PCB Surface Mount



TE Part #4-1415535-9
PE034012



TE Part #1462041-3
IMB06CGR=IM RELAY 140mW 12V HDV



TE Part #1614354-6
RN 0603 4K64 0.1% 10PPM CUT LENGTH



Documents

Product Drawings

SMA Str PCB Skt GZD

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_5-1814832-2_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-1814832-2_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-1814832-2_C.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

Economy RF Coaxial Connectors

English

Product Specification

English

5-1814832-2

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