

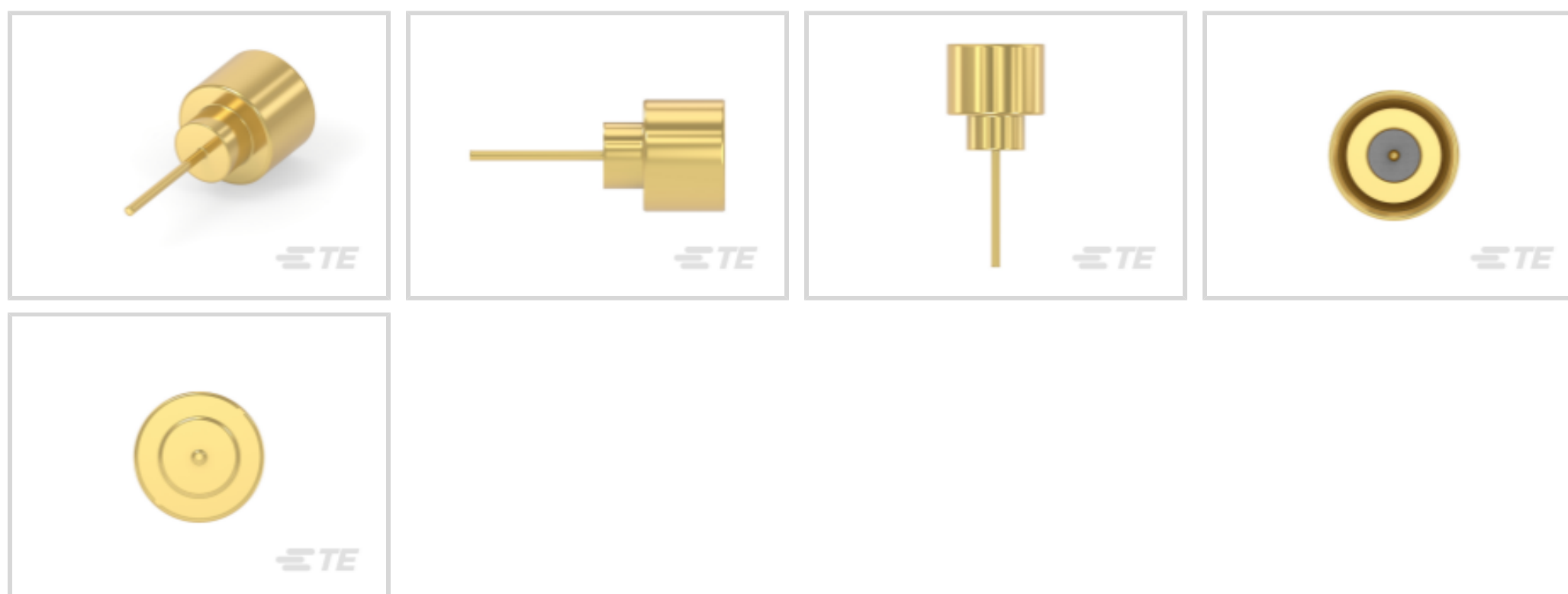
2406861-1 ✓ ACTIVE

TE Internal #: 2406861-1
SMP RF Interface, Plug, 50 Ω , Push-On, 35 GHz Operating Frequency, Cable-to-Board, 1 Position, Sealable, Printed Circuit Board

[View on TE.com >](#)



Connectors > RF Connectors > Coax Connectors



RF Interface: **SMP**

RF Connector Style: **Plug**

Impedance: **50 Ω**

RF Connector Coupling Mechanism: **Push-On**

Operating Frequency: **35 GHz**

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| Connector Seal & Plug Type | Seal |
| RF Interface | SMP |
| RF Connector Style | Plug |
| Connector System | Cable-to-Board |
| Sealable | Yes |
| 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 Underplating Material | Nickel |
|----------------------------|--------|



| | |
|---------------|-------------|
| Body Material | Kovar Alloy |
|---------------|-------------|

| | |
|----------------------|--------|
| Body Material Finish | Plated |
|----------------------|--------|

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

Contact Features

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

Termination Features

| | |
|---|-----------------------|
| Termination Method to Printed Circuit Board | Through Hole - Solder |
|---|-----------------------|

Mechanical Attachment

| | |
|---------------------------------|---------|
| RF Connector Coupling Mechanism | Push-On |
|---------------------------------|---------|

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

| | |
|--------|------|
| Detent | With |
|--------|------|

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -40 – 125 °C[-40 – 257 °F] |
|-----------------------------|----------------------------|

Operation/Application

| | |
|---------------------|--------|
| Operating Frequency | 35 GHz |
|---------------------|--------|

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

Packaging Features

| | |
|------------------|------|
| Packaging Method | Tray |
|------------------|------|

Other

| | |
|---------------------|--------------------|
| Dielectric Material | Corning Glass 7070 |
|---------------------|--------------------|

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 | Restricted Materials Above Threshold |
|---|--------------------------------------|

| | |
|--|--|
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) SVHC > Threshold: Pb (4% in Component Part) |
|--|--|

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.



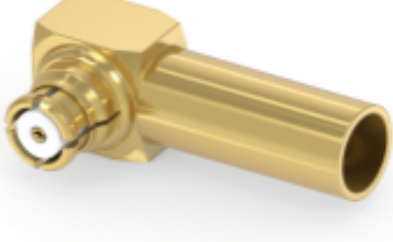


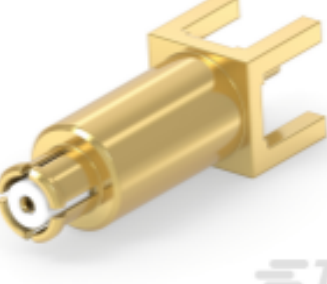


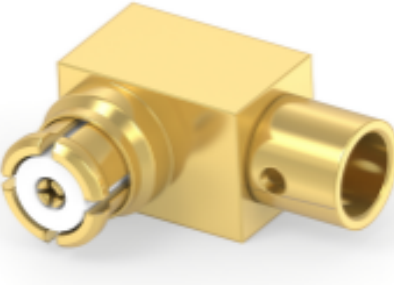





| | |
|---------------------------|--|
| Halogen Content | Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free |
| Solder Process Capability | Not reviewed for solder process capability |

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

| | | | |
|---|---|---|--|
|  <p>TE Part # 2406829-1 ADAPTER, SMP BULKHEAD JACK TO SMP PLUG</p> |  <p>TE Part # 2406846-1 SMP JACK ST SOLDER FOR TFLEX-405 CABLE</p> |  <p>TE Part # 2406847-1 SMP JACK RA FOR LMR-100A CABLE</p> |  <p>TE Part # 2406848-1 SMP JACK FOR RG316, LMR-100A CABLE</p> |
|  <p>TE Part # 2406855-1 SMP JACK ST FOR FLEX-405 CABLE</p> |  <p>TE Part # 2406857-1 SMP JACK ST PCB MOUNT</p> |  <p>TE Part # 2406863-1 SMP JACK ST SOLDER FOR PT-FLEX-047 CABLE</p> |  <p>TE Part # 2406865-1 SMP JACK ST FOR TFLEX-402, .141 CABLE</p> |
|  <p>TE Part # 2406869-1 SMP JACK RA FOR TFLEX-405 CABLE</p> |  <p>TE Part # 2406843-1 SMP JACK ST SOLDER FOR TFLEX-405 CABLE</p> |  <p>TE Part # 2406850-1 SMP JACK ST FOR FLEX-405 CABLE</p> |  <p>TE Part # 2406864-1 SMP JACK ST FOR TFLEX-402, .141 CABLE</p> |

Documents



Product Drawings

SMP PLUG ST SOLDER PCB LOUNCH

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2406861-1_1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2406861-1_1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2406861-1_1.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

1307191 RF Coax Products Catalog

English

Product Specifications

Product Specification

English