

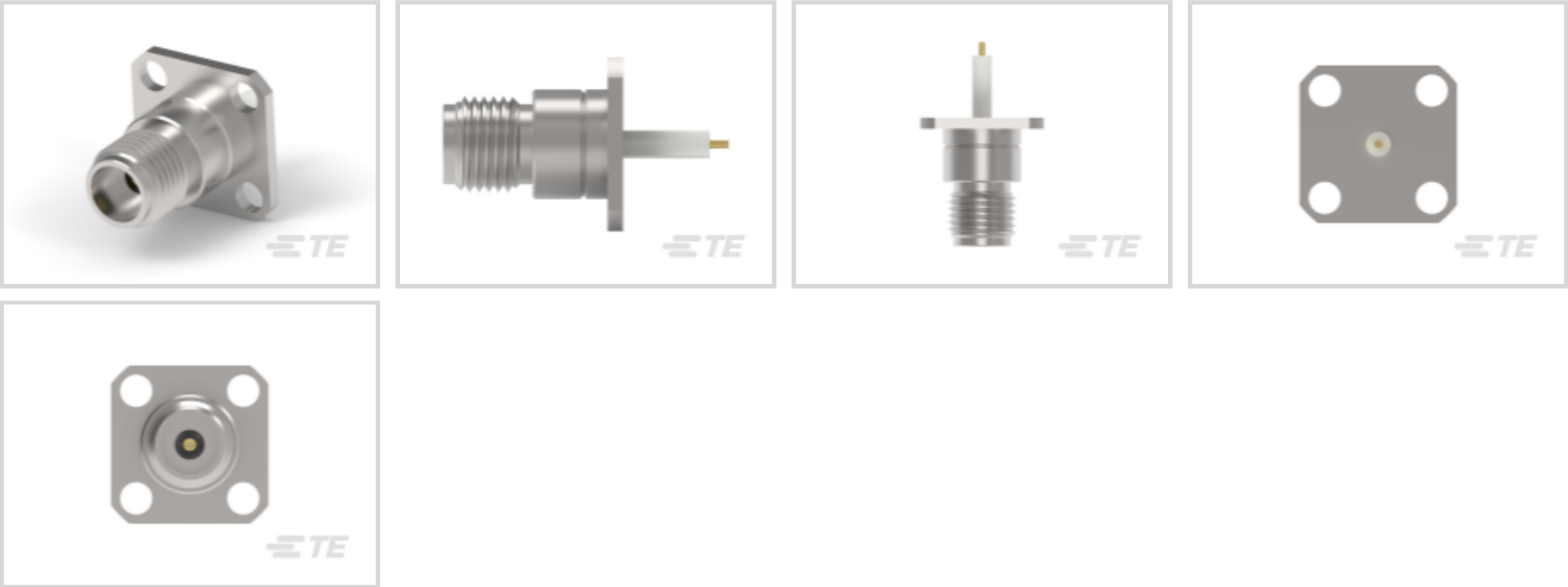


TE Internal #: 2081935-1

2.4mm Series Connector, Jack, 50 ohm, Screw, 50 GHz, Cable-to-Board, 1 Position, Printed Circuit Board, Panel Mount, -65 – 165 °C [-85 – 329 °F]

[View on TE.com >](#)

Connectors > RF Connectors > Coax Connectors



RF Interface: **2.4mm Series**

RF Connector Style: **Jack**

RF Connector Mated Outer Diameter (Approximate): **12.7 mm [ .5 in ]**

Impedance: **50 Ω**

RF Connector Coupling Mechanism: **Screw**

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| RF Interface                      | 2.4mm Series          |
| RF Connector Style                | Jack                  |
| Connector System                  | Cable-to-Board        |
| 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

|                             |                 |
|-----------------------------|-----------------|
| Cable Connector Orientation | Straight        |
| Body Material               | Stainless Steel |
| Body Material Finish        | Passivated      |



Contact Features

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

Mechanical Attachment

|                                 |             |
|---------------------------------|-------------|
| RF Connector Coupling Mechanism | Screw       |
| Connector Mounting Type         | Panel Mount |
| RF Contact Captivation Method   | Mechanical  |

Dimensions

|                                                 |                   |
|-------------------------------------------------|-------------------|
| Profile Height from PCB                         | 13.35 mm[.519 in] |
| RF Connector Mated Outer Diameter (Approximate) | 12.7 mm[.5 in]    |

Usage Conditions

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

Operation/Application

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
| Operating Frequency | 50 GHz         |

Packaging Features

|                  |           |
|------------------|-----------|
| Packaging Method | Bag & Box |
|------------------|-----------|

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        | Current ECHA Candidate List: JAN 2025 (247)<br>Candidate List Declared Against: JAN 2025 (247)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                |
| 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

Customers Also Bought



TE Part #223988-1  
UNV PWR MDL, GUIDE PIN PLTD



TE Part #0413-216-2005  
SEALING PLUG, SIZE 20, KEYING, RED



TE Part #DTM12P-BT-BK  
BOOT, 12P, REC, ST, BLK



TE Part #1028-034-1205  
BKSHL, 12P, BLK, REC, ST, NW 13/17



TE Part #5-2301995-2  
RJ45 JACK INT.MAG. 10/100 1X1 VERT.



TE Part #1010-042-1206  
SEAL, INTF, 12P, RED-ORG, DTM

Documents

Product Drawings

2.4MM JACK 4-HOLE FLANGE RECEPTACLE

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2081935-1\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2081935-1\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2081935-1\_A.3d\_stp.zip

English

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

Product Specifications

Product Specification

English