# 2081936-1 ✔ ACTIVE

RF 2.4mm

TE Internal #: 2081936-1

2.4mm Series Connector, Jack, 50 ohm, Screw, 50 GHz, Cable-to-Board, 1 Position, Printed Circuit Board, Panel Mount, RF 2.4mm

View on TE.com >

Connectors > RF Connectors > Coax Connectors



RF Interface: **2.4mm Series**

RF Connector Style: **Jack**

Impedance: **50 Ω**

RF Connector Coupling Mechanism: **Screw**

Operating Frequency Range: **50 GHz**

## 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

| | |
|---|---|
| EMI & RFI Protection & Suppression Type | PCB Ground |
| Impedance | 50 Ω |

### Body Features

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

## Housing Features

| | |
|---|---|
| Body Orientation | Straight |

## Dimensions

| | |
|---|---|
| Profile Height from PCB | 11.4 mm[.445 in] |

## Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -55 – 125 °C[-67 – 257 °F] |

## Operation/Application

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

## Packaging Features

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

## Other

| | |
|---|---|
| Dielectric Material | Polyetherimide (PEI) |

# 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 2025 (250)<br>Candidate List Declared Against: JAN 2025 (247)<br>SVHC > Threshold:<br>Pb (4.35% in Component Part)<br>**Article Safe Usage Statements:**<br>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



TE Part # 2016661-6
2.40 M DOUBLE,50G,0.6M,WITH ARMOR,BRAID



TE Part # 1-2016661-5
2.40 M DOUBLE,50G,1.5M,WITH ARMOR,BRAID



TE Part # 2081551-1
ADAPTOR 2.4MM PLUG TO 1.85MM PLUG



TE Part # 2467900-1
RF TERMINATOR 2.4MM PLUG 50 GHZ 1W SUS



TE Part # 2081549-1
ADAPTOR 1.85MM PLUG TO 1.85MM PLUG



TE Part # 1-2016661-0
2.40 MALE-MALE,50G,L1000,WITH ARMOR

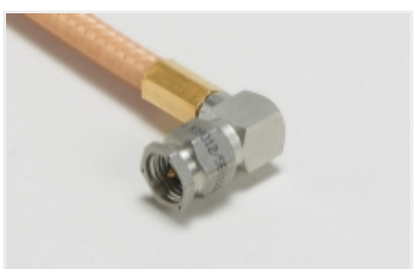


TE Part # 2081552-1
ADAPTOR 2.4MM PLUG TO 1.85MM JACK

## Also in the Series | RF 2.4mm

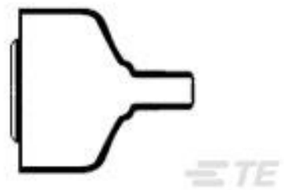


Coax Connectors(7)



RF Cable Assemblies(13)

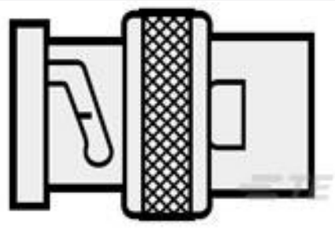
# Customers Also Bought



TE Part #806677-000
214A032-25-0



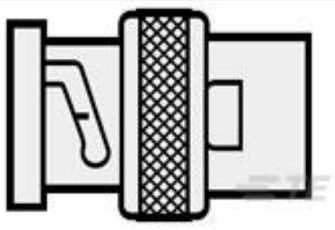
TE Part #430079-000
7528A5314-0



TE Part #918455-000
RBD-75-S-00



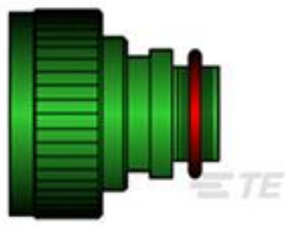
TE Part #980286-000
242W042-25-0



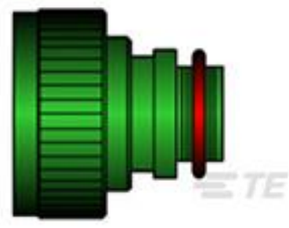
TE Part #900469-000
RBD-50-M-00



TE Part #165805-000
D-602-0144



TE Part #293973-000
TXR40AB00-1612AI



TE Part #658819-000
TXR40AB00-1006AI



TE Part #554173-000
TXR40AB00-1406AI



TE Part #4451903001
0024A0311-0

# Documents

## Product Drawings

2.4MM JACK 2-HOLE FLANGE SOLDERLESS

English

## CAD Files

3D PDF

3D

### Customer View Model

ENG_CVM_CVM_2081936-1_A.2d_dxf.zip

English

### Customer View Model

ENG_CVM_CVM_2081936-1_A.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_2081936-1_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