# 2081935-1 ✔ ACTIVE

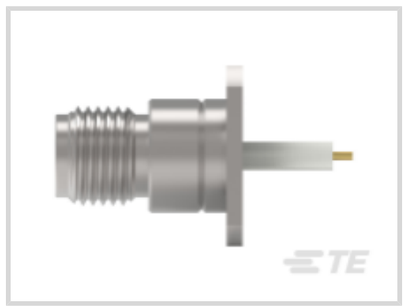
RF 2.4mm

TE Internal #: 2081935-1

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**

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

| | |
|---|---|
| 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 | 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 Range | 50 GHz |

## Packaging Features

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

## Other

| | |
|---|---|
| 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 | Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<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



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



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



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

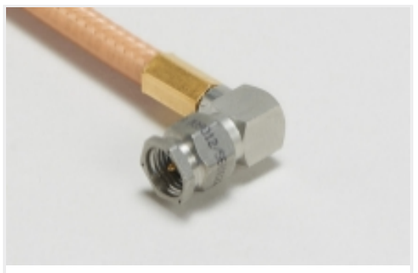


TE Part # 1-2016661-5
2.40 M DOUBLE,50G,1.5M,WITH ARMOR,BRAID

## Also in the Series | RF 2.4mm



Coax Connectors(7)



RF Cable Assemblies(13)

## Customers Also Bought



TE Part #55936-2
PIDG R 22-16 COMM 22-18MIL 1/4



TE Part #58433-3
PRO CR ASSY, RBY IS9252



TE Part #63721-1
RING 24-20 AWG TPBR



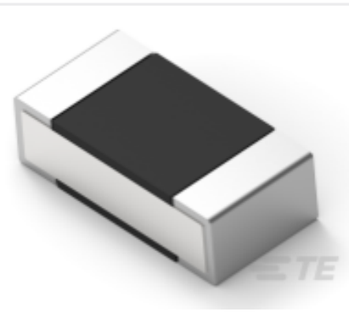
TE Part #350584-1
04P UMNL PIN HDR ASSY V2 NATL



TE Part #2-2141600-2
TAB 2.8x0.8 CONTACT CF SRC Ag



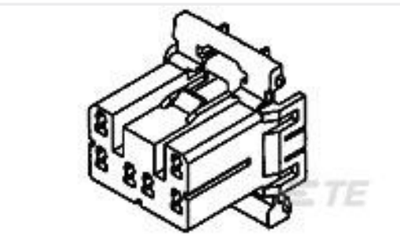
TE Part #2170703-1
CAGE ASSEMBLY, QSFP28 1X1, SPRING



TE Part #5-2176309-4
RP 1E 0.1W 35R7 0.1% 25PPM 1K RL



TE Part #2480661-2
SMA M to SMA M Str Hand Formable. 086 4"



TE Part #173851-1
070 MULTILOCK PLUG 12P



TE Part #2103245-1
Inner Housing, Split Hdr, Key A, HVA280

## 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