



TE Internal #: 414048-6
SMB Connector, Plug, 75 ohm, Snap-Fit, 4 GHz, Cable-to-Cable, 1
Position, Wire & Cable, Cable Mount (Free-Hanging), -65 – 165 °C
[-85 – 329 °F], Crimp
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Connectors > RF Connectors > Coax Connectors



RF Interface: **SMB**
RF Connector Style: **Plug**
RF Connector Mated Outer Diameter (Approximate): **4.75 mm [.187 in]**
Impedance: **75 Ω**
Compatible With RF Cable Type: **RG 179, RG 187**

Features

Product Type Features

| | |
|-----------------------------------|--------------------|
| Connector Shape | Circular |
| Connector Product Type | Connector Assembly |
| RF Interface | SMB |
| RF Connector Style | Plug |
| Compatible With RF Cable Type | RG 179, RG 187 |
| Connector System | Cable-to-Cable |
| Sealable | No |
| Connector & Contact Terminates To | Wire & Cable |

Configuration Features

| | |
|----------------------------|-------------|
| PCB Mount Orientation | Right Angle |
| Number of Positions | 1 |
| Number of Coaxial Contacts | 1 |

Electrical Characteristics

| | |
|-----------|------|
| Impedance | 75 Ω |
|-----------|------|



Body Features

| | |
|-----------------------------|-------------|
| Cable Connector Orientation | Right Angle |
| Body Material | Brass |
| Body Plating Material | Nickel |

Contact Features

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

Termination Features

| | |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|

Mechanical Attachment

| | |
|---------------------------------|----------------------------|
| RF Connector Coupling Mechanism | Snap-Fit |
| Connector Mounting Type | Cable Mount (Free-Hanging) |
| RF Contact Captivation Method | Mechanical |
| Detent | Without |

Dimensions

| | |
|---|------------------|
| RF Connector Mated Outer Diameter (Approximate) | 4.75 mm[.187 in] |
|---|------------------|

Usage Conditions

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

Operation/Application

| | |
|---------------------|-------|
| Operating Frequency | 4 GHz |
|---------------------|-------|

Packaging Features

| | |
|------------------|--------|
| Packaging Method | Carton |
|------------------|--------|

Other

| | |
|---------------------|------------|
| Grade | Commercial |
| Dielectric Material | TFE |

Product Compliance

For compliance documentation, visit the product page on TE.com>

| | |
|------------------------------|---------------------------|
| EU RoHS Directive 2011/65/EU | Compliant with Exemptions |
|------------------------------|---------------------------|

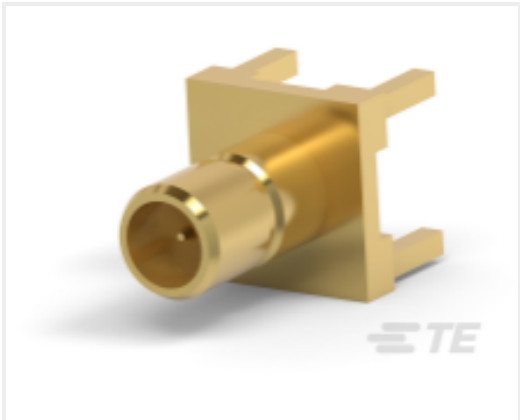


| | |
|---|--|
| EU ELV Directive 2000/53/EC | Compliant with Exemptions |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (3.18% in 4745076) 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 applicable 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>

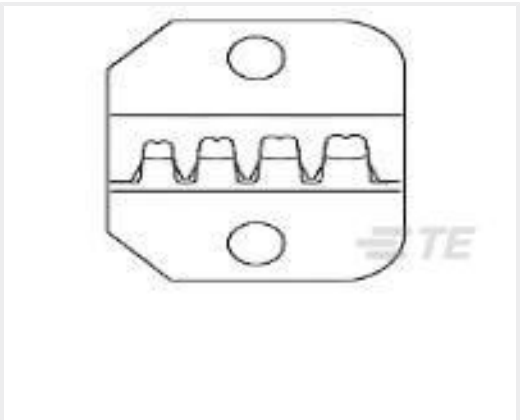
Compatible Parts



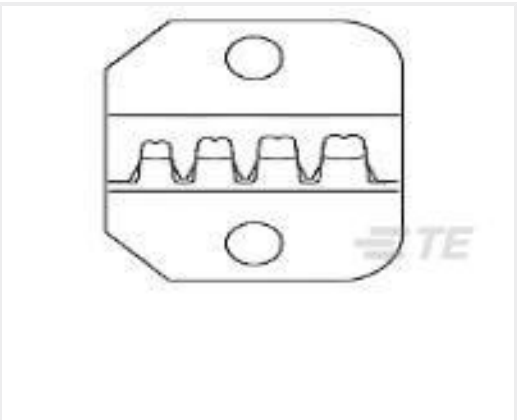
TE Part # 415504-4
JACK,PCB,MINI-SMB VERT 75 OHM



TE Part # 414244-1
75 OHM SMB PCB VERT JACK

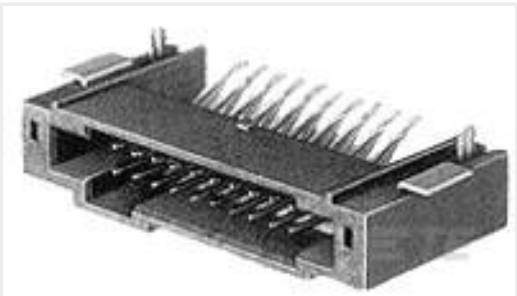


TE Part # 58483-1
TRIPLE HEX DIE ASSY SMB



TE Part # 58489-1
TRIPLE HEX DIE ASSY SMB COMM

Customers Also Bought



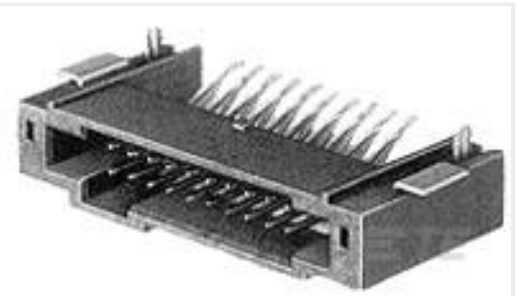
TE Part #104894-5
50 50/50 GRID RA HDR



TE Part #5767130-1
MICT,RCPT,038,ASY,GOLD,EXTD



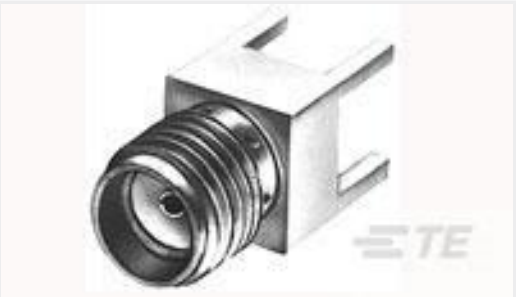
TE Part #1658694-6
A/L UNIV HDR 10P ACT PIN



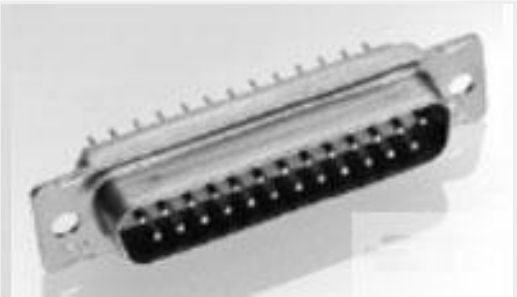
TE Part #1-104894-0
100 50/50 GRID RA HDR



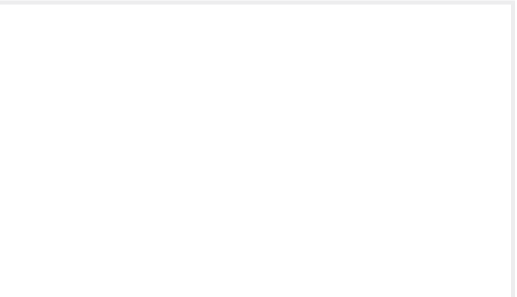
TE Part #1218434-2
R/A RCP ASSY 15 POS SER 109



TE Part #1053372-1
2062 8001 90,OSM JACK, QPL



TE Part #443976-5
AMPLIMITE,ASY,RCPT,POSTD,109,5



TE Part #CTR06-5100SY-5144
PLUG ASSY



TE Part #36157
TERMINAL,PIDG R 16-14 6



TE Part #6609072-1
20AYP6C J0=F7470

Documents

Product Drawings

CABLE PLUG,FEMALE,RTANG SMB

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_414048-6_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_414048-6_H.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_414048-6_H.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Product Specifications



75 Ohm Mini-SMB Series Coaxial Connector

English

Product Specification

English

Product Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English