



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
[View on TE.com >](#)

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
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Body Features

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

Contact Features

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
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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]
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Usage Conditions

Operating Temperature Range	-65 – 165 °C[-85 – 329 °F]
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Operation/Application

Operating Frequency	4 GHz
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Packaging Features

Packaging Method	Carton
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Other

Outer Contact Plating Material	Gold (Au)
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
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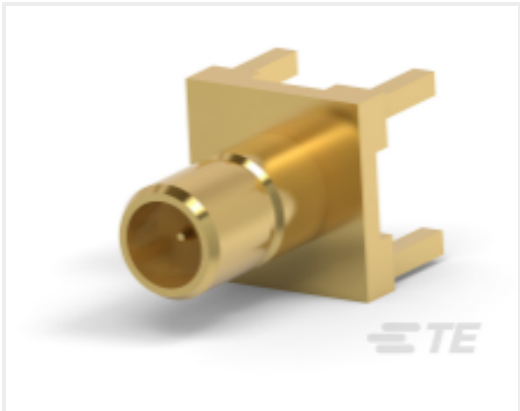


EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Pb (2.13% in 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 applicable for solder process capability

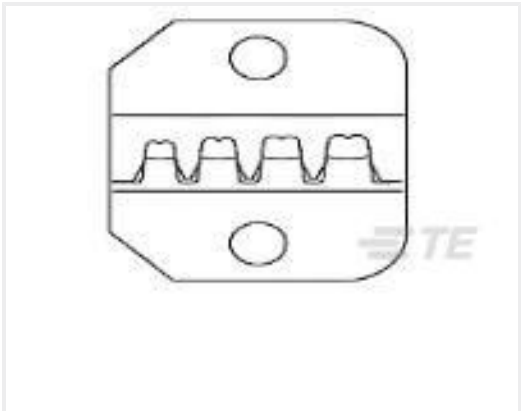
Product Compliance Disclaimer

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>

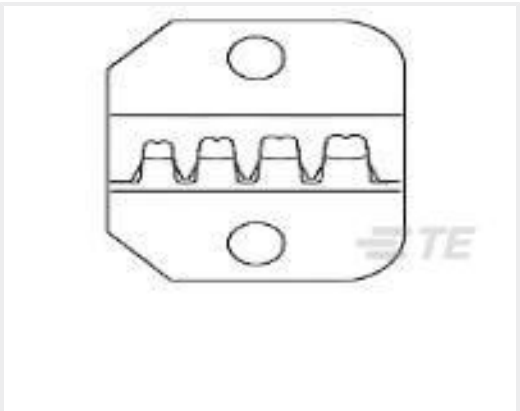
Compatible Parts



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



TE Part # 58483-1
TRIPLE HEX DIE ASSY SMB



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

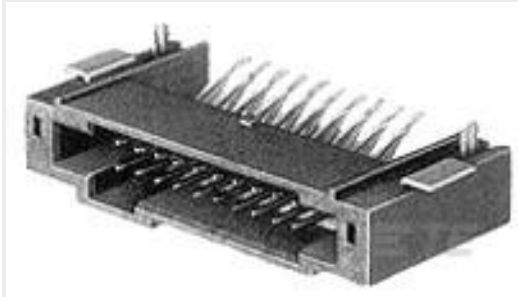


TE Part # 414244-1
75 OHM SMB PCB VERT JACK

Customers Also Bought



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



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



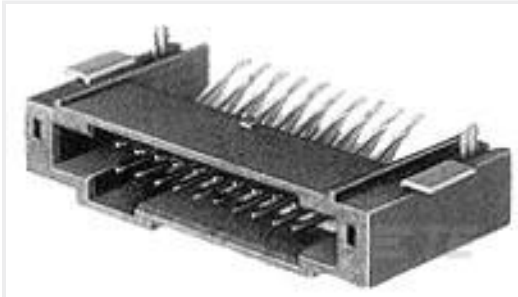
TE Part #443976-5
AMPLIMITE,ASY,RCPT,POSTD,109,5



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



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



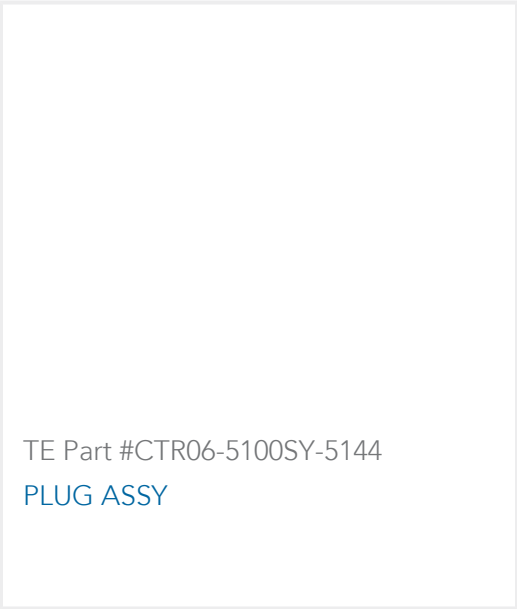
TE Part #1-104894-0
100 50/50 GRID RA HDR



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



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



TE Part #CTR06-5100SY-5144
PLUG ASSY



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