414048-6 ✔ ACTIVE

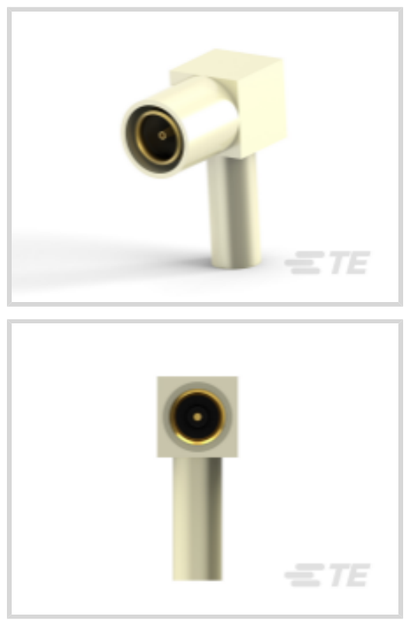
SMB

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], SMB

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**

RF Connector Coupling Mechanism: **Snap-Fit**

Features

Product Type Features

Connector Shape	Circular
Connector Product Type	Connector Assembly
RF Interface	SMB
RF Connector Style	Plug
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

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

Housing Features

Body Orientation	Right Angle

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 Range	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>

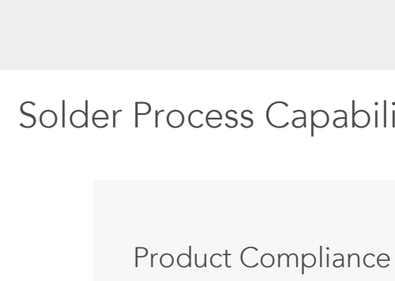
EU RoHS Directive 2011/65/EU	Compliant with Exemptions

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: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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

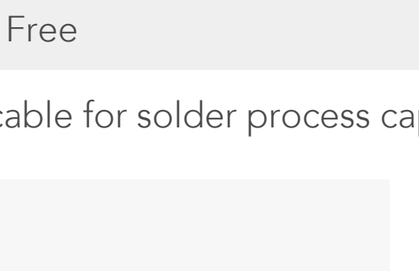


TE Part # 414244-1
75 OHM SMB PCB VERT JACK

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



TE Part # 58483-1
TRIPLE HEX DIE ASSY SMB

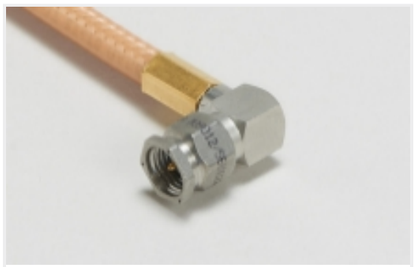


TE Part # 415504-4
JACK,PCB,MINI-SMB VERT 75 OHM

Also in the Series | SMB

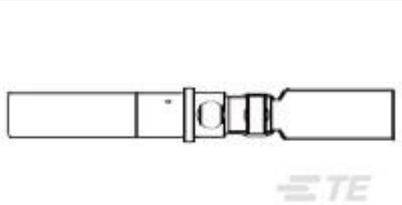


Coax Connectors(40)



RF Cable Assemblies(10)

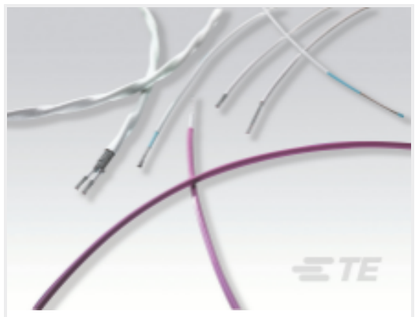
Customers Also Bought



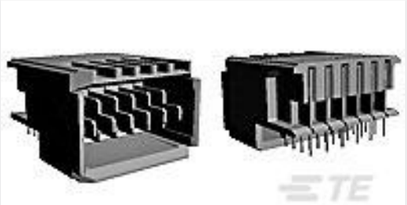
TE Part #152339-000
D-602-0123



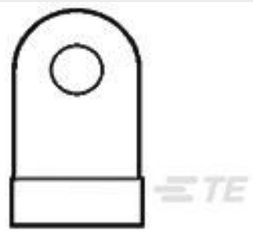
TE Part #812836-000
222K121-3-0



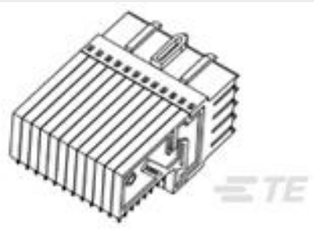
TE Part #982743-000
55A1134-22-MST3-9CS2275



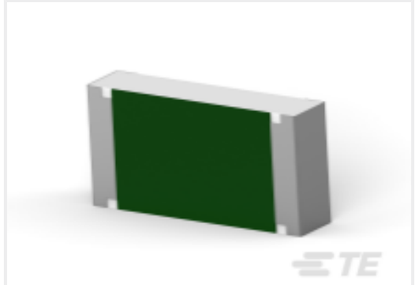
TE Part #120954-1
TE UPM R/A Header 4P HC Power, LLLL



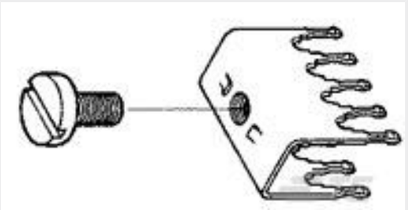
TE Part #321277-1
TERMINAL,SOLIS FLAG R 4/0 3/8



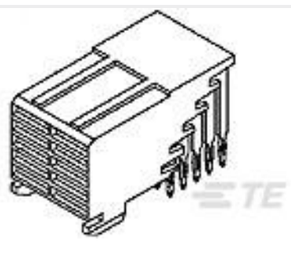
TE Part #1982738-1
Female Connector Telcordia



TE Part #2176398-9
3502 30K 1%



TE Part #5055323-9
06 POWER TAP ASSY .125



TE Part #5536649-1
2MM FB,ASY,010,PWR,REC,EN,SEQ

TE Part #274307N001
D-436-0184CS1102

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