414002-3 ✔ ACTIVE

TE Internal #: 414002-3

SMB RF Interface, Plug, 50 ohm / 75 ohm, RG 174 / RG 188 / RG 316, Snap-Fit, 4 GHz Operating Frequency, Cable-to-Cable, 1 Position, Wire & Cable

View on TE.com >

Connectors > RF Connectors > Coax Connectors > SMB Connector: Plug, Mated Outer Dia. 4.75mm, 50 Ohm






RF Interface: **SMB**

RF Connector Style: **Plug**

RF Connector Mated Outer Diameter (Approximate): **4.75 mm [.187 in]**

Impedance: **50 Ω, 75 Ω**

Compatible With RF Cable Type: **RG 174, RG 188, RG 316**

All SMB Connector: Plug, Mated Outer Dia. 4.75mm, 50 Ohm (13)

Features

Product Type Features

Connector Product Type	Connector Assembly
RF Interface	SMB
RF Connector Style	Plug
Compatible With RF Cable Type	RG 174, RG 188, RG 316
Connector System	Cable-to-Cable
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	1
Number of Coaxial Contacts	1

Electrical Characteristics

Impedance	50 Ω, 75 Ω

Body Features

Body Underplating Material	Copper
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
RF Connector Center Contact Material	Beryllium Copper

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

RF Connector Coupling Mechanism	Snap-Fit
RF Contact Captivation Method	Mechanical
Detent	With

Dimensions

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

Usage Conditions

Operating Temperature Range	-65 – 85 °C[-85 – 185 °F]

Operation/Application

Operating Frequency	4 GHz

Packaging Features

Packaging Method	Carton

Other

Outer Contact Plating Material	Gold over Nickel
Grade	Mil-Type
Dielectric Material	PTFE

Product Compliance

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

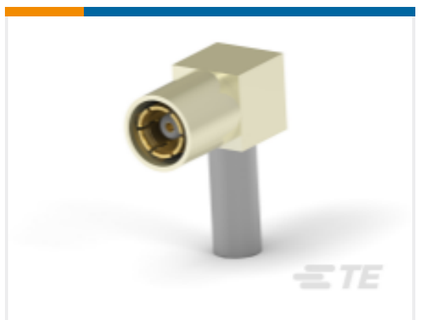
EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Pb (3.7% 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

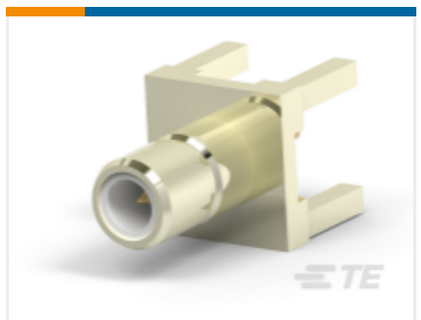
Product Compliance Disclaimer

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 # CAT-884-SMBF50
SMB Connector: Plug, Mated Outer Dia. 4.75mm, 50 Ohm



TE Part # CAT-884-SMBV50
SMB Connector: Jack, Vertical Mount, Mated Outer Dia. 4.75mm, 50 Ohm



TE Part # CAT-884-SMBMRA50
SMB Connector: Jack, Right-Angle Mount, Mated Outer Dia. 4.75mm



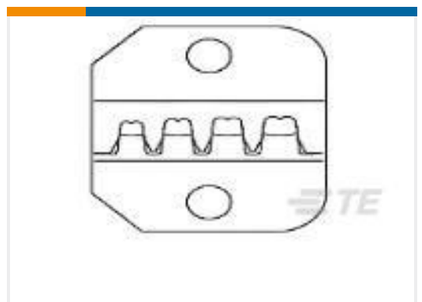
TE Part # CAT-884-SMBM50
SMB Connector: Male (Jack), Mated Outer Dia. 4.75mm, 50 Ohm



TE Part # 1060464-1
5164 5003 09

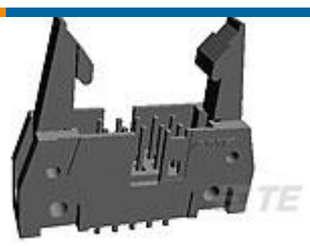


TE Part # 228553-1
SMB COMML BLKHD ADAPTER

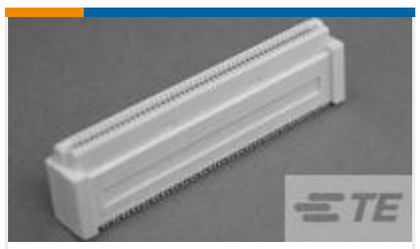


TE Part # 58483-1
TRIPLE HEX DIE ASSY SMB

Customers Also Bought



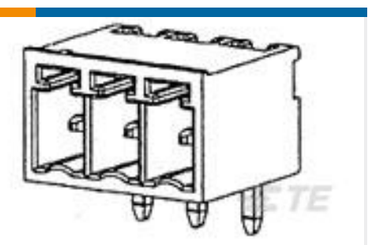
TE Part #5499910-8
A/L UNIV HDR 34P VERT SHT LAT



TE Part #5084616-1
0.8FH,R13H.5,040,08/Sn,TR,SC



TE Part #1-5177986-1
0.8FH,P06H.5,040,08/Sn,TR,SC



TE Part #1-284512-0
10 POS TERMI-BLOK HDR 900 POLA



TE Part #87499-8
04 MODIV HSG COMP SR .100CL



TE Part #9-146284-0
40 MODII HDR SRST B/A .100CL



TE Part #3-641190-2
02P MTA100 CONN ASSY RED LF



TE Part #175778-6
CT CRIMP REC HSG 6P NATURAL



TE Part #TCD1473A201-006
M12D4-MS-RJ-TPE-24SH-TEAL-7.0M

TE Part #11024450-00
DISC-DISCRETE

Documents

Product Drawings

PLUG,CABLE,RTANG,SMB,NI PLTD

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_414002-3_K.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_414002-3_K.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_414002-3_K.3d_stp.zip

English

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

Datasheets & Catalog Pages

SMB Connectors

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

SBCHE154R7K SBCHE64R7K 1-794222-0 1-962915-1 175977-2 2377783-2 3430B2F51RTDF 1393431-1 917696-1 936348-1 2005330-1 3-1393225-0 2-292161-3 2310537-1 2834055-1 CRGCQ2010J3K3 TE50BR39J MPT100C18RF 1969656-1 CPF0402B37K4E1 U5254-000005-030PA 141991-2 1743455-2 2380312-2 1903112-2 3631B101LL SMW73R0JT 650075-000 ROX05SJ18R RH73H2A40MKTN