



SHV

TE Internal #: 51421-2
SHV Connector, Jack, Threaded, .3 GHz, Cable-to-Board, 1
Position, Wire & Cable, Panel Mount, -65 – 200 °C [-85 – 392 °F],
Solder, Straight, SHV
[View on TE.com >](#)

Connectors > RF Connectors > Coax Connectors



RF Interface: SHV
RF Connector Style: Jack
RF Connector Mated Outer Diameter (Approximate): 11.07 mm [.436 in]
RF Connector Coupling Mechanism: Threaded
Operating Frequency Range: .3 GHz

Features

Product Type Features

RF Interface	SHV
RF Connector Style	Jack
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	1
Number of Coaxial Contacts	1

Body Features

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	Brass
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Termination Features

Termination Method to Wire & Cable	Solder
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Mechanical Attachment

Panel Mount Feature Type	Flange
RF Connector Coupling Mechanism	Threaded
Connector Mounting Type	Panel Mount
RF Contact Captivation Method	Mechanical
Detent	With

Housing Features

Body Orientation	Straight
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Dimensions

RF Connector Mated Outer Diameter (Approximate)	11.07 mm[.436 in]
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Usage Conditions

Operating Temperature Range	-65 – 200 °C[-85 – 392 °F]
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Operation/Application

Operating Frequency Range	.3 GHz
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Packaging Features

Packaging Method	Carton
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Other

Dielectric Material	Polytetrafluoroethylene (PTFE)
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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 2024 (241) SVHC > Threshold: Pb (3.7% in Component Part) Article Safe Usage Statements:



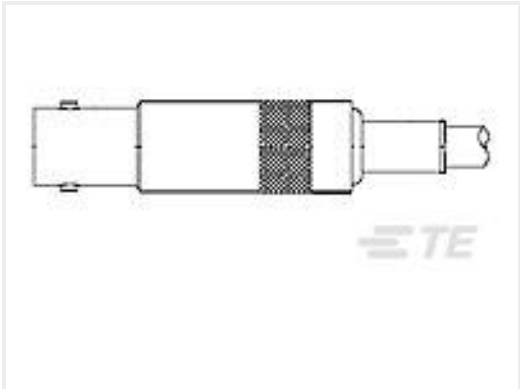
Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

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 # 5225087-5
SHV JACK



TE Part # 5051426-2
SAFE HIGH VOLTAGE PLUG



TE Part # 51426-2
SAFE HIGH VOLTAGE PLUG



TE Part # 5051426-5
SAFE HIGH VOLTAGE PLUG



TE Part # 5051426-4
SAFE HIGH VOLTAGE PLUG



TE Part # 5051426-8
SHV Plug Str Crimp RG-174, RG-188



TE Part # 5225059-3
SHV Jack Str Bulkhead Crimp RG-59, RG-62

Also in the Series | SHV



Coax Connectors(10)

Customers Also Bought



TE Part #1052098-1
2037 5100 02



TE Part #3-1437622-8
KN1751BS1/4=KNOB SPINNER L/HAI



TE Part #8-1625868-9
RP 2A 0.25W 44R2 0.1% 25PPM 1K RL



TE Part #6-1879501-1
CRGH2512 5% 330R 2W



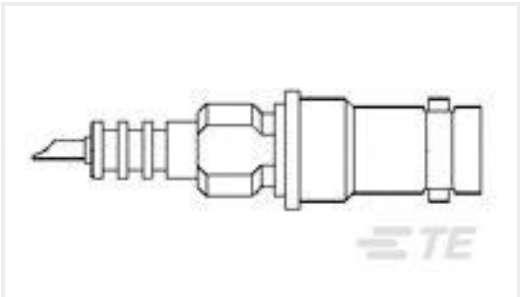
TE Part #1-1971906-4
HEADER ASSY 8POS,KEYING-A,NEW GIC3.3



TE Part #4-1971906-2
HEADER ASSY 4POS,KEYING-D,NEW GIC3.3



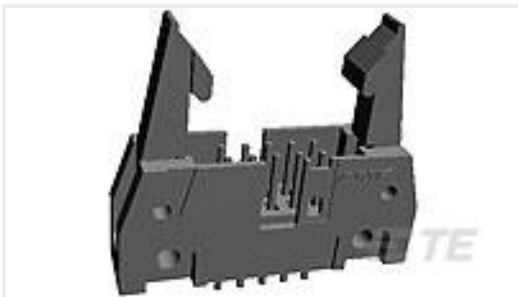
TE Part #2-2176323-5
SMV 2W 10M 5%



TE Part #5051494-1
SAFE HIGH VOLTAGE BLKHD RECEPT



TE Part #5413771-3
JACK BLKHD,COML BNC,HEX CRIMP



TE Part #3-5499206-0
A/L UNIV HDR 50P VERT LAT B

Documents

Product Drawings

SHV PANEL RECPT

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_51421-2_K.2d_dxf.zip



English

Customer View Model

[ENG_CVM_51421-2_K.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_51421-2_K.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

Coaxial High Voltage Connectors

English

[Application Specification](#)

English