51494-2 ✔ ACTIVE

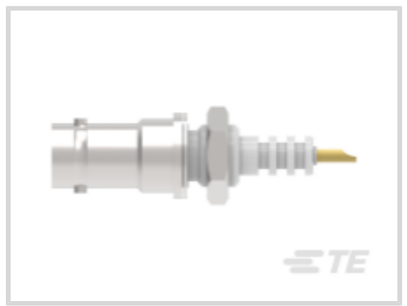
SHV

TE Internal #: 51494-2

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): **12.7 mm [.5 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

Termination Features

Termination Method to Wire & Cable	Solder

Mechanical Attachment

RF Connector Coupling Mechanism	Threaded
Connector Mounting Type	Panel Mount
RF Contact Captivation Method	Mechanical
Detent	Without

Housing Features

Body Orientation	Straight

Dimensions

Panel Thickness (Recommended)	4.75 mm[.187 in]
RF Connector Mated Outer Diameter (Approximate)	12.7 mm[.5 in]

Usage Conditions

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

Operation/Application

Operating Frequency Range	.3 GHz

Packaging Features

Packaging Method	Carton

Other

Dielectric Material	Polytetrafluoroethylene (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 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 # 5225059-3
SHV Jack Str Bulkhead Crimp RG-59, RG-62



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



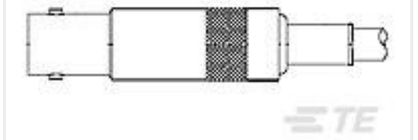
TE Part # 5051426-2
SAFE HIGH VOLTAGE PLUG



TE Part # 5051426-5
SAFE HIGH VOLTAGE PLUG



TE Part # 51426-2
SAFE HIGH VOLTAGE PLUG



TE Part # 5225087-5
SHV JACK



TE Part # 5051426-4
SAFE HIGH VOLTAGE PLUG

Also in the Series | SHV

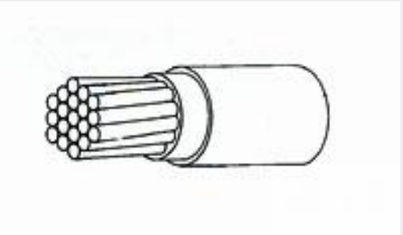


Coax Connectors(10)

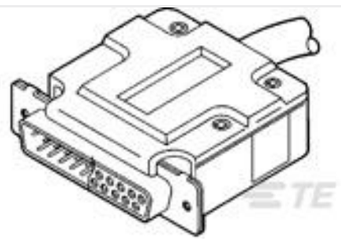
Customers Also Bought



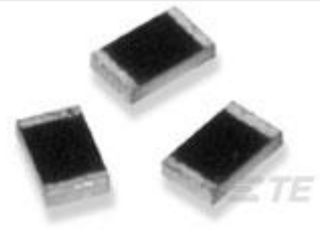
TE Part #823243-SF
RV8541-16-S16



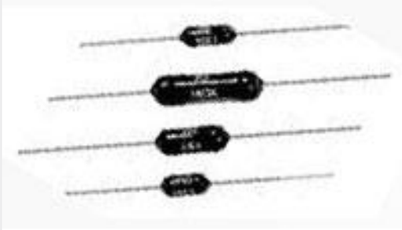
TE Part #267522-000
22759/34-14-0



TE Part #207467-2
CABLE CLAMP ASSY,SZ 1,BULK PKG



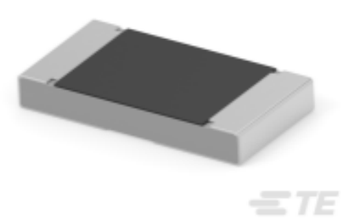
TE Part #2-1879264-2
RP 2B 75K 0.1% 15PPM CUT LENGTH



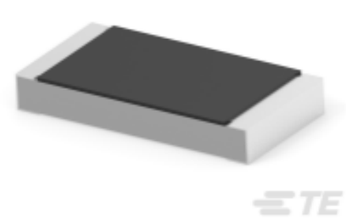
TE Part #5-1879667-8
H4 39R2 0.1% 25PPM



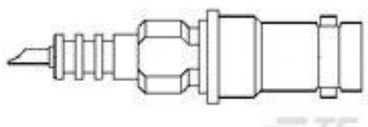
TE Part #2176471-9
HPCR 0819 A 10% 27R Std T&R



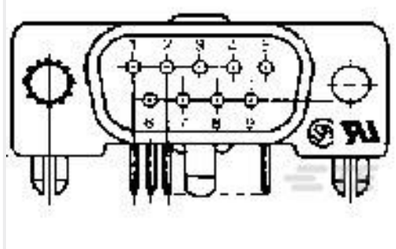
TE Part #4-2176526-5
3503G 2B 147R 1% 5K RL



TE Part #9-2176605-2
RLC73PD 3A R499 1% 2K RL



TE Part #5051494-1
SAFE HIGH VOLTAGE BLKHD RECEPT



TE Part #5745001-3
HDJ PLUG 9P RA 590

Documents

Product Drawings

STD HIGH VOLTAGE BLKHD RECEPT

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_51494-2_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_51494-2_H.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_51494-2_H.3d_stp.zip

English

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

Product Specifications

Product Specification

English

Product Specification

English