



VAL-U-LOK

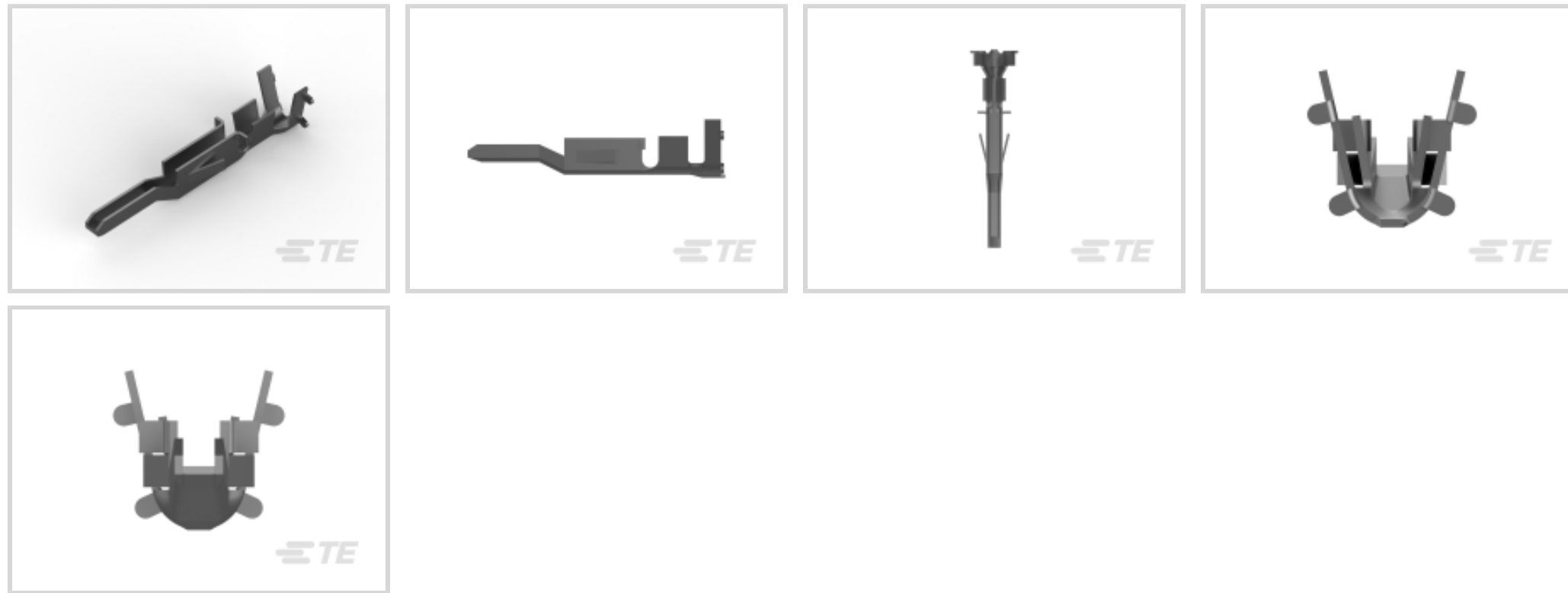
TE Internal #: 2238020-1

Pin Contact, Tin, 600 VAC, 22 - 18 AWG Wire Size, .33 - .82 mm<sup>2</sup>

Wire Size, Crimp, Brass, Power, -40 - 221 °F [-40 - 105 °C]

[View on TE.com >](#)

Connectors > Contacts > Connector Contacts



Contact Type: **Pin**

Contact Mating Area Plating Material: **Tin**

Wire Contact Termination Area Plating Material: **Pre-Tin**

Operating Voltage: **600 VAC**

Contact Retention Within Housing: **With**

**Features**

**Electrical Characteristics**

Operating Voltage	600 VAC
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**Contact Features**

Mating Square Post Dimension	1.14 mm[.045 in]
Wire Contact Termination Area Plating Thickness	2.54 μm[100 μin]
Wire Contact Termination Area Plating Material Finish	Bright
Contact Mating Area Plating Material Thickness	2.54 μm[100 μin]
Contact Orientation	Straight
Contact Type	Pin
Contact Mating Area Plating Material	Tin
Wire Contact Termination Area Plating Material	Pre-Tin
Contact Retention Within Housing	With
Contact Base Material	Brass
Contact Current Rating (Max)	9 A

**Termination Features**

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Termination Method to Wire & Cable	Crimp
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Product Terminates To	Wire & Cable
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### Mechanical Attachment

Wire Insulation Support	Without
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### Dimensions

Compatible Insulation Diameter Range	1.5 - 3.1 mm [.06 - .122 in]
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Wire Size	.33 - .82 mm <sup>2</sup>
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### Usage Conditions

Operating Temperature Range	-40 - 105 °C [-40 - 221 °F]
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### Operation/Application

Circuit Application	Power
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### Packaging Features

Packaging Method	Bag & Box
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## Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Not reviewed for solder process capability
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#### 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 # 1586054-1  
VAL-U-LOK PIN BR SN 16AWG



TE Part # 794955-3  
VAL-U-LOK PIN PHBZ SN 22-18AWG



TE Part # 2238017-1  
VAL-U-LOK SKT BR SN 18-22AWG



TE Part # 794955-1  
VAL-U-LOK PIN BR SN 22-18AWG



TE Part # 794956-5  
VAL-U-LOK SKT BR SN 18-22AWG



TE Part # 2238016-1  
VAL-U-LOK PIN BR SN 18-22AWG



TE Part # 2238018-1  
VAL-U-LOK PIN BR SN 22-26AWG



TE Part # 2238022-1  
VAL-U-LOK PIN BR SN 26-22 LP



TE Part # 2825210-1  
VAL-U-LOK PIN HCS SN 18-22AWG



TE Part # 2825212-1  
VAL-U-LOK PIN HCS TN 22-18 LP



TE Part # 2825213-1  
VAL-U-LOK SKT HCS SN 22-18 LP



TE Part # 2238021-1  
VAL-U-LOK SKT BR SN 22-18 LP

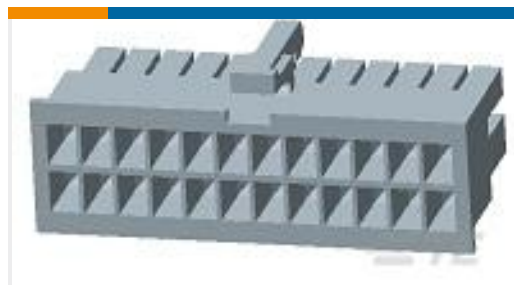


TE Part # 2415880-1  
VAL-U-LOK PIN BR SN 22-18AWG

## Customers Also Bought



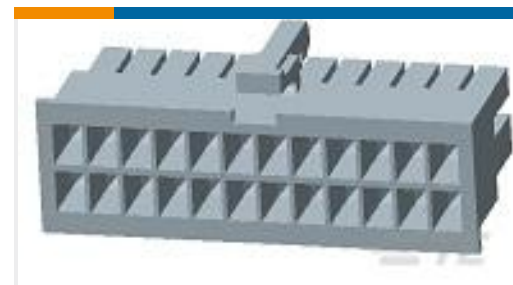
TE Part # 1969608-5  
5P VAL-U-LOK TPA 22-18 AWG



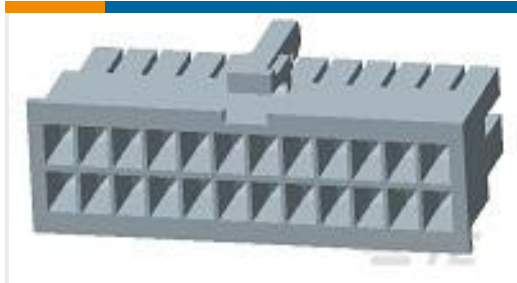
TE Part # 2-1969597-4  
24P RCPT VAL-U-LOK V2



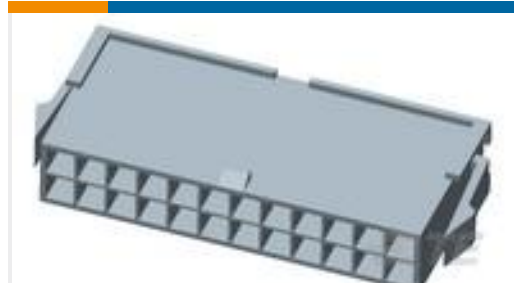
TE Part # CJ4552-000  
D-141-30-LF



TE Part # 1-1969614-2  
12P RCPT VAL-U-LOK V0



TE Part # 2-1969597-2  
22P RCPT VAL-U-LOK V2



TE Part # 2-1969599-4  
24P PM PLUG VAL-U-LOK V2

## Documents

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2238020-1\\_A\\_c-2238020-1-a.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2238020-1\\_A\\_c-2238020-1-a.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2238020-1\\_A\\_c-2238020-1-a.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

[1-1773730-3 VAL-U-LOK Connectors with TPA Flyer](#)

English

### Product Specifications

[Application Specification](#)

English

### Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English