# 2825208-1 ✔ ACTIVE

TE Internal #: 2825208-1

Pin Contact, Tin, 600 VAC, 16 AWG Wire Size, 1.31 mm² Wire Size, Crimp, Copper Alloy, 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 |

### Contact Features

| | |
|---|---|
| Mating Square Post Dimension | 1.14 mm[.045 in] |
| Contact Underplating Material Thickness | .762 µm[30 µin] |
| 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 Underplating Material | Nickel |
| 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 | Copper Alloy |
| Contact Current Rating (Max) | 13 A |

## Termination Features

| | |
|---|---|
| Termination Method to Wire & Cable | Crimp |
| Product Terminates To | Wire & Cable |

## Mechanical Attachment

| | |
|---|---|
| Wire Insulation Support | Without |

## Dimensions

| | |
|---|---|
| Compatible Insulation Diameter Range | 1.5 – 3.1 mm[.059 – .122 in] |
| Wire Size | 1.31 mm² |

## Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -40 – 105 °C[-40 – 221 °F] |

## Operation/Application

| | |
|---|---|
| Circuit Application | Power |

## Packaging Features

| | |
|---|---|
| Packaging Method | Bag |

# Product Compliance

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

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



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



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



TE Part # 2825206-1
VAL-U-LOK PIN HCS SN 16AWG



TE Part # 2825207-1
VAL-U-LOK SKT HCS SN 16AWG



TE Part # 2825209-1
VAL-U-LOK SKT 16AWG HCS SN LP



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



TE Part # 2825211-1
VAL-U-LOK SKT 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

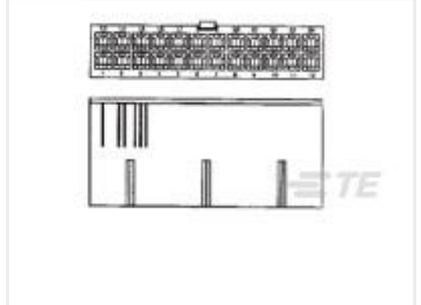


TE Part # 2415880-1
VAL-U-LOK PIN BR SN 22-18AWG

## Customers Also Bought



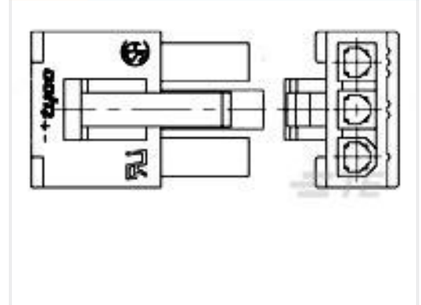
TE Part #11027566-00
55031 GEM THERM



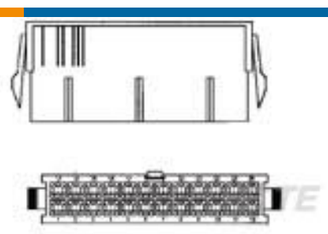
TE Part #1-1586000-0
10P FH PLUG VAL-U-LOK V2



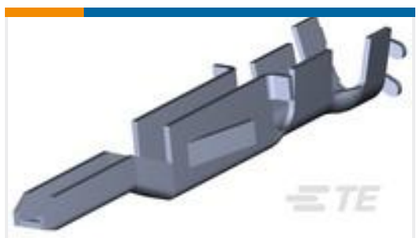
TE Part #1-1586765-0
10P RCPT VAL-U-LOK GW



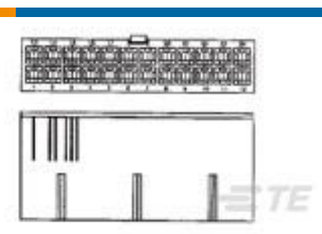
TE Part #1586027-5
5P SR RCPT VAL-U-LOK V0



TE Part #2-794953-0
20P PM PLUG VAL-U-LOK V2



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



TE Part #2-1586017-0
20P FH PLUG VAL-U-LOK V0



TE Part #2825209-1
VAL-U-LOK SKT 16AWG HCS SN LP



TE Part #1-1969612-0
10P FH PLUG VAL-U-LOK V0

## Documents

### Product Drawings

VAL-U-LOK PIN 16AWG HCS SN LP

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2825208-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2825208-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2825208-1_A.3d_stp.zip

English

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

### Product Specifications

Application Specification

English

### Instruction Sheets

Instruction Sheet (U.S.)

English