# 2825207-1 ✔ ACTIVE

TE Internal #: 2825207-1

Tin (Sn), Socket Contact, 16 AWG, 600 VAC, 1.31 mm² Wire, Crimp, Copper Alloy, Power, -40 – 105 °C [-40 – 221 °F]

View on TE.com >

Connectors > Contacts > Connector Contacts







Contact Type: **Socket**

Contact Mating Area Plating Material: **Tin (Sn)**

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

| | |
|---|---|
| Contact Type | Socket |
| Contact Mating Area Plating Material | Tin (Sn) |
| Wire Contact Termination Area Plating Material | Pre-Tin |
| Contact Retention Within Housing | With |
| Contact Base Material | Copper Alloy |
| Contact Current Rating (Max) | 13 A |
| Mating Square Post Dimension | 1.14 mm[.045 in] |
| Contact Mating Area Plating Material Thickness | .254 µm[100 µin] |
| Wire Contact Termination Area Plating Thickness | 2.54 µm[100 µin] |
| Wire Contact Termination Area Plating Material Finish | Bright |
| Contact Orientation | Straight |
| Contact Underplating Material | Nickel |
| Contact Underplating Material Thickness | .762 µm[30 µin] |

## Termination Features

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

## Mechanical Attachment

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

## Dimensions

| | |
|---|---|
| Wire Size | 1.31 mm² |
| Compatible Insulation Diameter Range | 1.5 – 3.1 mm[.06 – .122 in] |

## Usage Conditions

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

## Operation/Application

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

## Packaging Features

| | |
|---|---|
| Packaging Method | Reel |

# 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 | Not Yet Reviewed |
| 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: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| Solder Process Capability | Not reviewed for solder process capability |

Product Compliance Disclaimer

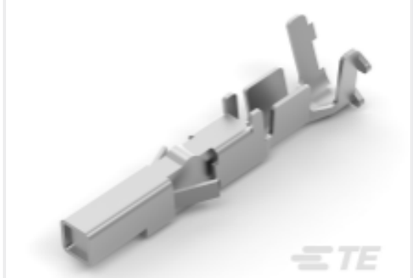
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 2151667-1
OCEAN_2.0_Applicator-S-070F125F-RSM



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



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



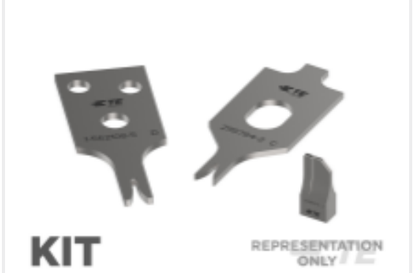
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TE Part # 2825212-1
VAL-U-LOK PIN HCS TN 22-18 LP

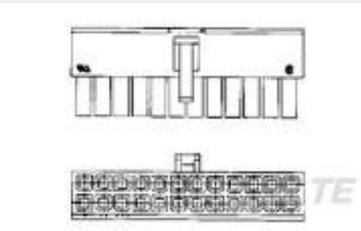


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VAL-U-LOK PIN 16AWG HCS SN LP

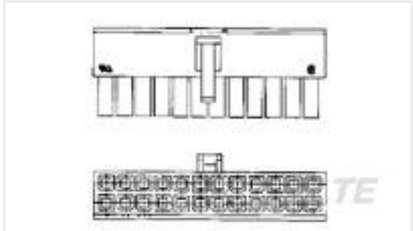



TE Part # 7-2151667-7
OCEAN_2.0_SPARE_PART_KIT-070F125F

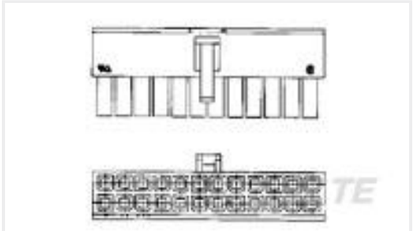
## Customers Also Bought



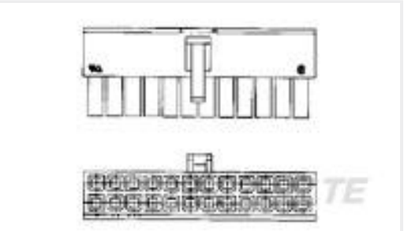
TE Part #794954-4
4P RCPT VAL-U-LOK V2



TE Part #794954-6
6P RCPT VAL-U-LOK V2



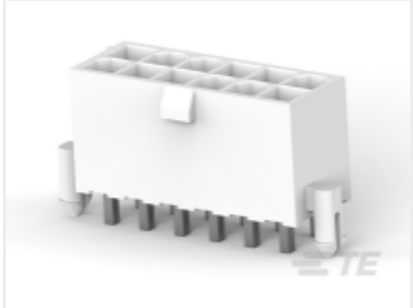
TE Part #1-794954-2
12P RCPT VAL-U-LOK V2



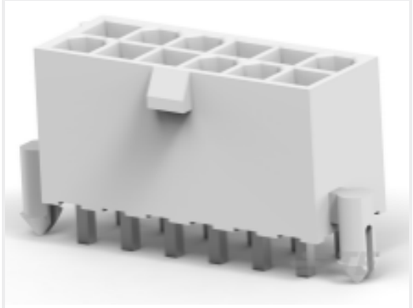
TE Part #1-794954-6
16P RCPT VAL-U-LOK V2



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



TE Part #1-2825261-2
12P VAL-U-LOK HCS VRT HDR W/P V0



TE Part #1-2825274-2
12P VAL-U-LOK HCS VRTHDR W/PGS GW

## Documents

### Product Drawings

VAL-U-LOK SKT HCS SN 16AWG

English

## CAD Files

### 3D PDF

3D

**Customer View Model**

ENG_CVM_CVM_2825207-1_A.2d_dxf.zip

English

**Customer View Model**

ENG_CVM_CVM_2825207-1_A.3d_igs.zip

English

**Customer View Model**

ENG_CVM_CVM_2825207-1_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