2825209-1 ✔ ACTIVE

TE Internal #: 2825209-1

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	2.54 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	Bag

Product Compliance

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

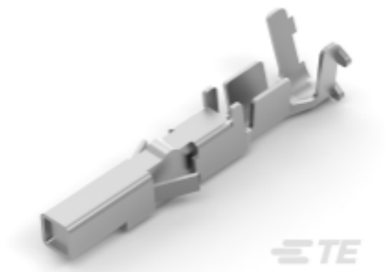
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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

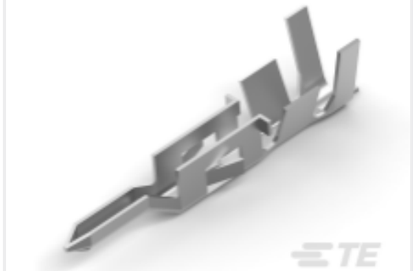
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 2825213-1
VAL-U-LOK SKT HCS SN 22-18 LP



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



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



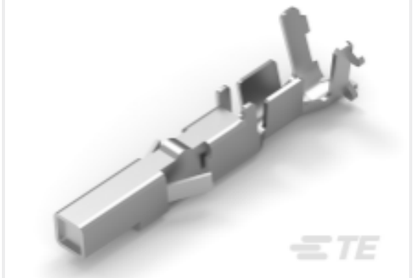
TE Part # 2825208-1
VAL-U-LOK PIN 16AWG HCS SN LP



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



TE Part # 1586055-1
VAL-U-LOK SKT BR SN 16AWG



TE Part # 2825211-1
VAL-U-LOK SKT HCS SN 18-22AWG



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



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

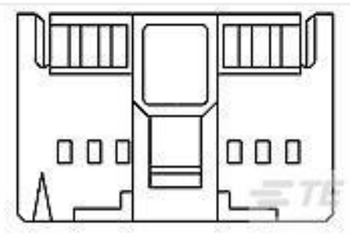


TE Part # 1586055-3
VAL-U-LOK SKT PHBZ SN 16AWG

Customers Also Bought



TE Part #52941
TERMINAL,PIDG SPR SPD 12-10 6



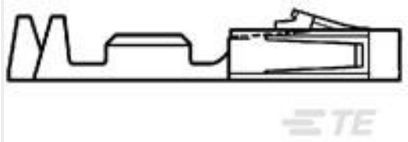
TE Part #103681-5
16 MTE COUPLING SHRD DR



TE Part #5-104068-6
60 SYSTEM 50 HDR DRST SHRD



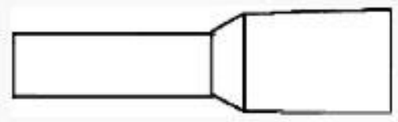
TE Part #104257-3
04 MTE RCPT HSG SR LATCH .100



TE Part #1-104481-3
SHORT POINT RECP CONT LP



TE Part #321019
TERMINAL,PIDG R 26-22 6



TE Part #966292-2
FER,WIRE,PL SLV,.14/26,L8,BROWN,LP



TE Part #3-1437622-0
KN1251B1/4=KNOB BLK KNURL L/HA



TE Part #5745833-1
CABLE CLAMP KIT,SZ 3



TE Part #MS121-00000U-100PG
PRESS XDCR MS121-00000U-100PG

Documents

Product Drawings

VAL-U-LOK SKT 16AWG HCS SN LP

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2825209-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2825209-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2825209-1_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