



TE Internal #: 2825213-1
Socket Contact, Tin, 600 VAC, 22 – 18 AWG Wire Size, .33 – .82 mm² Wire Size, 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**
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]
Contact Underplating Material Thickness	.762 µm[30 µin]
Wire Contact Termination Area Plating Thickness	2.54 µm[100 µin]
Contact Mating Area Plating Material Thickness	2.54 µm[100 µin]
Contact Orientation	Straight
Contact Underplating Material	Nickel
Contact Type	Socket
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)	11 A

Termination Features



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

Mechanical Attachment

Wire Insulation Support	Without
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Dimensions

Compatible Insulation Diameter Range	1.5 – 3.1 mm[.06 – .122 in]
Wire Size	.33 – .82 mm²

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
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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: JUNE 2024 (241) Candidate List Declared Against: JAN 2024 (240) 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>

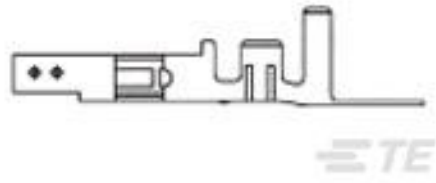
Compatible Parts

 TE Part # 2238017-1 VAL-U-LOK SKT BR SN 18-22AWG	 TE Part # 2238016-1 VAL-U-LOK PIN BR SN 18-22AWG	 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 # 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 # 2238020-1 VAL-U-LOK PIN BR TN 22-18 LP		

Customers Also Bought

 TE Part #4-1879073-9 THS10 6K8 5%	 TE Part #1-794954-2 12P RCPT VAL-U-LOK V2	 TE Part #5-104068-6 60 SYSTEM 50 HDR DRST SHRD	 TE Part #1586055-1 VAL-U-LOK SKT BR SN 16AWG
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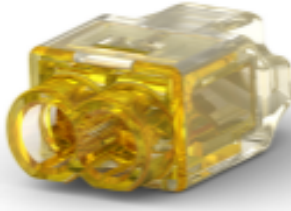




TE Part #794956-5
VAL-U-LOK SKT BR SN 18-22AWG



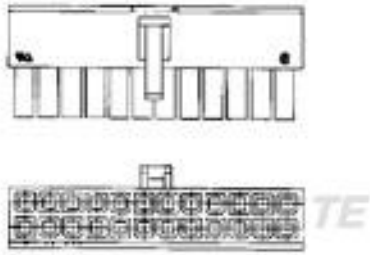
TE Part #1734205-1
MINI USB, TYPE B, PLUG. CABLE-KIT



TE Part #2324697-2
PUSH GRIP CONNECTOR 2P



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



TE Part #2-1586765-0
20P RCPT VAL-U-LOK GW



TE Part #696420-3
TERMINAL,PIDG PVF2 R 26-24 6

Documents

Product Drawings

VAL-U-LOK SKT HCS SN 22-18 LP

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2825213-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2825213-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2825213-1_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

Agency Approvals

VDE Certificate

2825213-1

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English