

1586841-1 ✓ ACTIVE



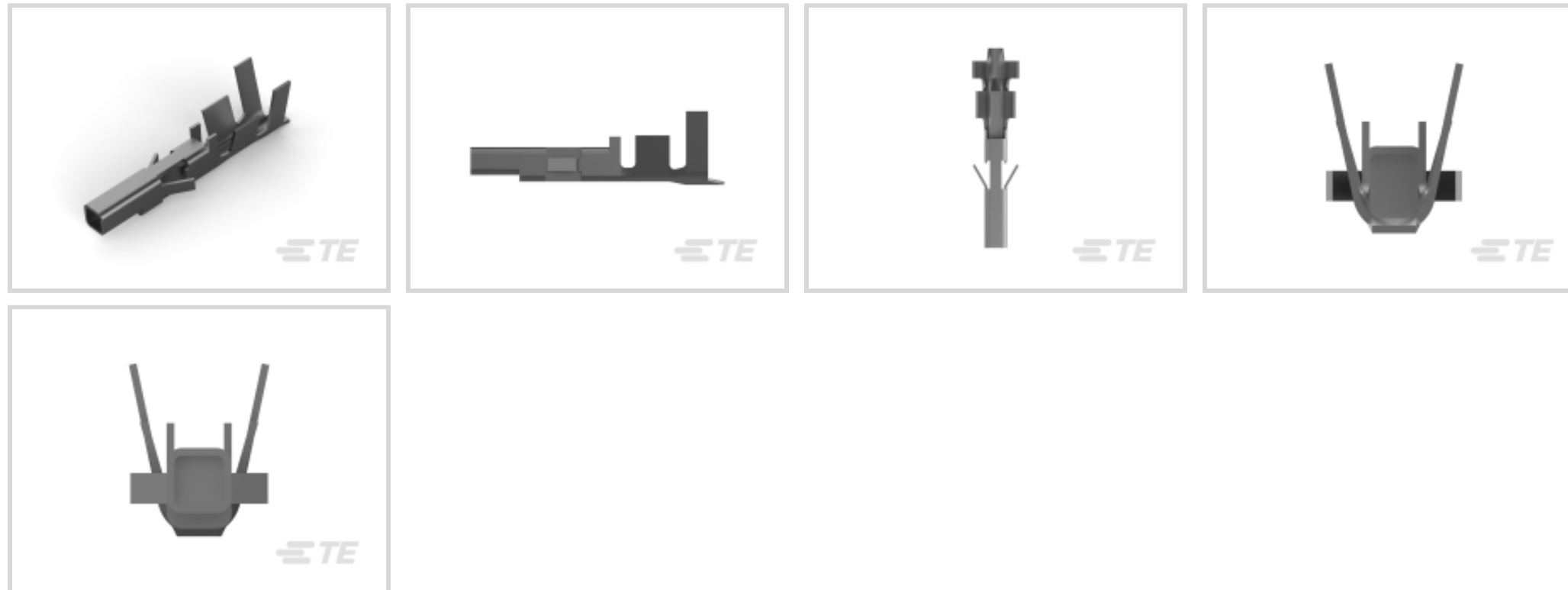
## VAL-U-LOK

TE Internal #: 1586841-1

Power Contacts, Contact, 600 VAC, Tin, 16 AWG Wire Size, 1.31 mm<sup>2</sup> Wire Size, Wire & Cable, Crimp, Power, Socket, -40 – 105 °C [-40 – 221 °F], Brass

[View on TE.com >](#)

Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**

Operating Voltage: **600 VAC**

Contact Mating Area Plating Material: **Tin**

Wire Size: **1.31 mm<sup>2</sup>**

### Features

#### Product Type Features

Power Contact Type	Contact
Connector & Contact Terminates To	Wire & Cable

#### Electrical Characteristics

Operating Voltage	600 VAC
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#### Contact Features

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



Contact Orientation	Straight
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### Termination Features

Termination Method to Wire & Cable	Crimp
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### Mechanical Attachment

Wire Insulation Support	Without
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### Dimensions

Wire Size	1.31 mm <sup>2</sup>
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Compatible Insulation Diameter Range	3.1 mm[.122 in]
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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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### Industry Standards

CSA Rating	208567
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UL Rating	Recognized
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Agency/Standard	CSA, UL
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UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	500
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Packaging Method	Loose Piece
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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: JUNE 2023 (235) Candidate List Declared Against: JAN 2019 (197) 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 applicable 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 # 1976444-1  
PRO-CRIMPER TOOL & DIE



TE Part # 1976444-2  
SDE DIE SET, VAL-U-LOK

### Customers Also Bought



TE Part #HDP26-24-7SN-C038  
PLG, 7P, BLK, N, 4AWG, 4/16, S



TE Part #5102321-3  
A/L UNIV HDR 16P VERT LG LAT



TE Part #2112301-1  
PROTECTION CAP, FOR REC.HSG GROUP C



TE Part #2058128-2  
Dust Cap, 4 Posn, Natural



TE Part #6-1393250-3  
W28-XT1A-10=W28



TE Part #2-1703841-1  
Heavy Duty Sealed Connector Series Housings



TE Part #151680  
2 WAY MATE-N-LOK SOC HSG NAT.



TE Part #2278730-2  
3P CAN CONNECTOR, RECEPTACLE

### Documents

Product Drawings

VAL-U-LOK SKT 16AWG BR SN LP



English

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**CAD Files**

**3D PDF**

3D

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1586841-1\\_B\\_c-1586841-1-b.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1586841-1\\_B\\_c-1586841-1-b.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1586841-1\\_B\\_c-1586841-1-b.3d\\_stp.zip](#)

English

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

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**Datasheets & Catalog Pages**

[SOFT\\_SHELL\\_PIN\\_AND\\_SOCKET\\_CONNECTORS\\_CATALOG](#)

English

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**Product Specifications**

[Application Specification](#)

English

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**Instruction Sheets**

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

English