



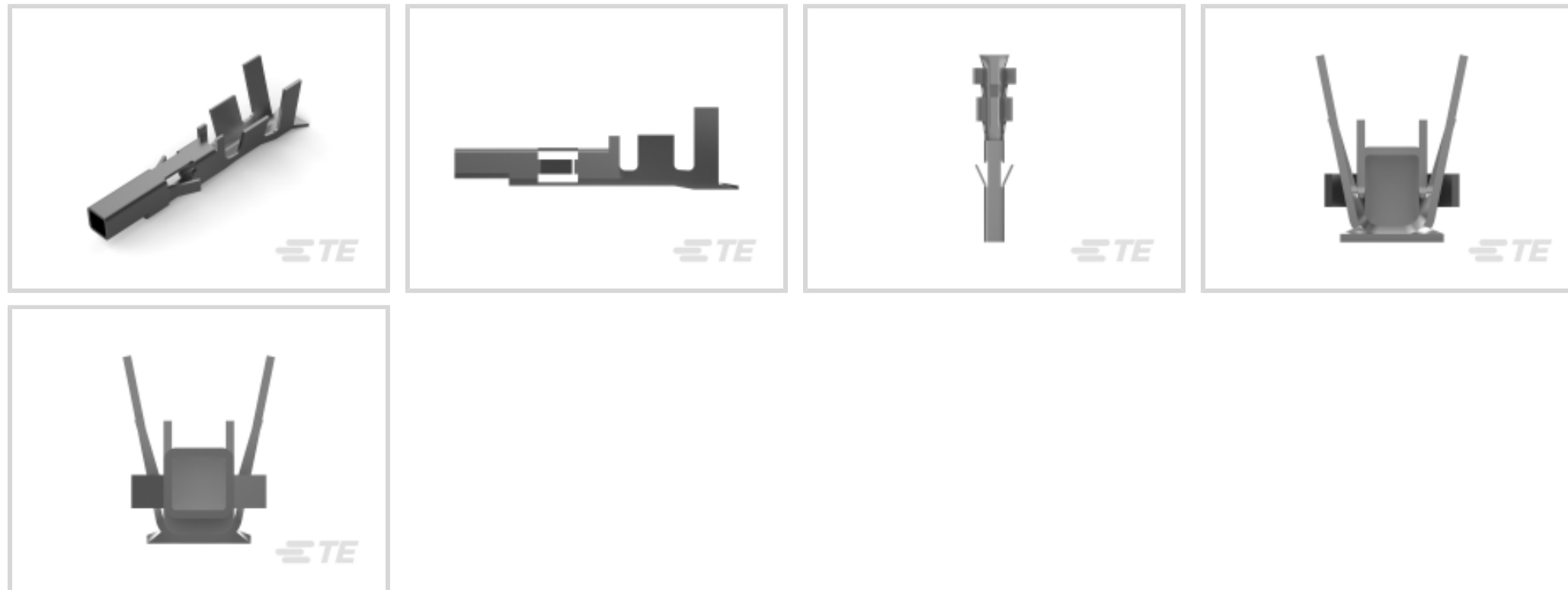
VAL-U-LOK

TE Internal #: 1586055-3

Socket Contact, Tin, 600 VAC, 600 VDC, 16 AWG Wire Size, 1.31 mm² Wire Size, Crimp, Brass, Power, -40 – 221 °F [-40 – 105 °C]

[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 VDC**

Features

Product Type Features

Sealable	No
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Electrical Characteristics

Operating Voltage	600 VDC
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Contact Features

Mating Square Post Dimension	1.14 mm[.045 in]
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 Shape & Form	Single Beam
Contact Mating Area Plating Material Finish	Bright
Contact Orientation	Straight
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	Brass
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Contact Current Rating (Max)	9 A
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Termination Features

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

Wire Insulation Support	Without
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Dimensions

Compatible Insulation Diameter Range	3.1 mm [.122 in]
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Wire Size	1.31 mm ²
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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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Packaging Features

Packaging Method	Reel
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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: JUNE 2023 (235) 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
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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 # 2825209-1
VAL-U-LOK SKT 16AWG HCS SN LP



TE Part # 1976444-1
PRO-CRIMPER TOOL & DIE



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



TE Part # 2151667-1
OCEAN_2.0_Applicator-S-070F125F



TE Part # 2151667-2
OCEAN_2.0_Applicator-S-070F125F



TE Part # 7-2151667-1
OCEAN_2.0_Applicator-S-070F125F



TE Part # 7-2151667-2
OCEAN_2.0_Applicator-S-070F125F



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



TE Part # 2238023-1
VAL-U-LOK SKT BR SN 26-22 LP

Customers Also Bought



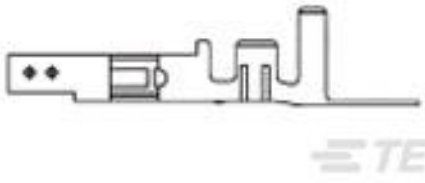
TE Part #5554923-2
RCPT ASSY,SHLD,RTANG, 24 POSN



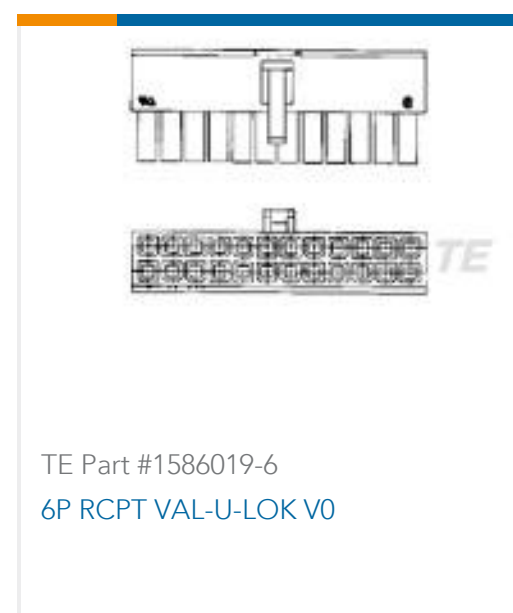
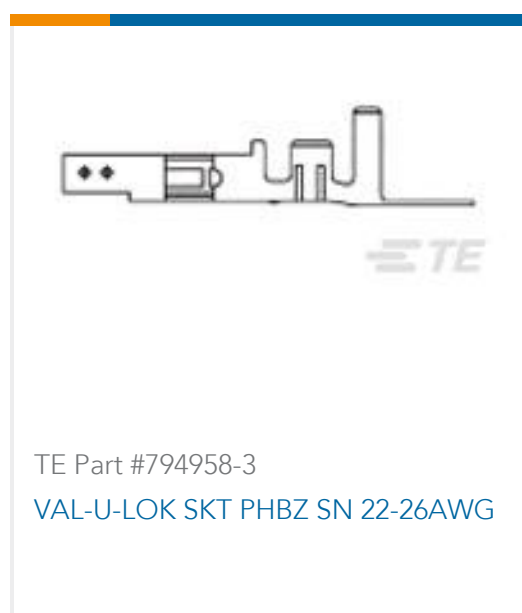
TE Part #6609032-3
2VR1=F7196 S0



TE Part #280050-2
250 FASTON,FLAG,REC.,16-20 AWG, TPBR



TE Part #794956-3
VAL-U-LOK SKT PHBZ SN 22-18AWG



Documents

Product Drawings

VAL-U-LOK SKT PHBZ SN 16AWG

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1586055-3_C_c-1586055-3-c.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1586055-3_C_c-1586055-3-c.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1586055-3_C_c-1586055-3-c.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English