

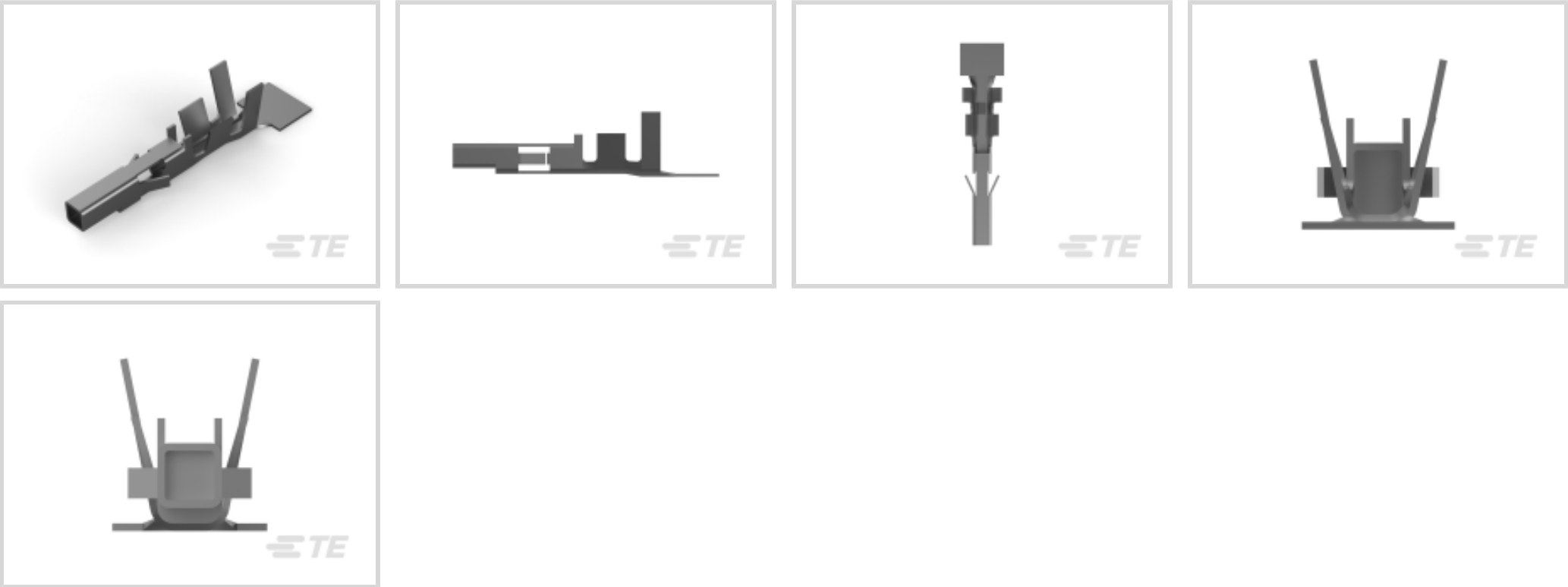


VAL-U-LOK

TE Internal #: 1586055-1
Socket Contact, Tin (Sn), 600 VAC, 16 AWG, 1.31 mm² Wire, Crimp,
Brass, 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
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Contact Features

Contact Orientation	Straight
Contact Mating Area Plating Material Thickness	2.54 µm[100 µin]
Mating Square Post Dimension	1.14 mm[.045 in]
Wire Contact Termination Area Plating Material Finish	Bright
Contact Shape & Form	Single Beam
Wire Contact Termination Area Plating Thickness	2.54 µm[100 µin]
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	Brass
Contact Current Rating (Max)	9 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	3.1 mm[.122 in]
Wire Size	1.31 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 Quantity	500
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	Out of Scope
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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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 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 # 2151667-2
OCEAN_2.0_Applicator-S-070F125F-RSA

KIT
REPRESENTATION ONLY
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

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

TE Part # 2305570-1
Strip Terminal Cutter-Side Feed-No Crimp

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

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

TE Part # 2238021-1
VAL-U-LOK SKT BR SN 22-18 LP

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

Customers Also Bought

TE Part #1586106-3
3P RCPT VAL-U-LOK SR V0

TE Part #1586000-6
6P FH PLUG VAL-U-LOK V2

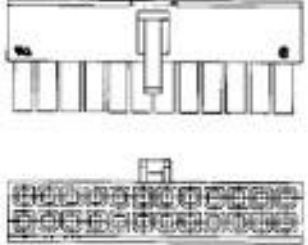
TE Part #1969458-3
POSI-LOK MKIII,7MM SILO POW CORD,2P,BLUE

TE Part #2-1586019-4
24P RCPT VAL-U-LOK V0





TE Part #7-160433-8
187 FASTON REC 20-15 AWG TPBR



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



TE Part #444442-1
RELAY ADAPTOR 6POSN



TE Part #1969458-1
POSI-LOK MKIII, 7MM SILO POW
CORD,2P,RED



TE Part #1752356-1
SUPPORT, TERMINAL

TE Part #521206-7
POSI-LOK HSG.250-4 POS RAST5

Documents

Product Drawings

VAL-U-LOK SKT BR SN 16AWG

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1586055-1_C_c-1586055-1-c.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1586055-1_C_c-1586055-1-c.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1586055-1_C_c-1586055-1-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.)

1586055-1

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English

[Agency Approvals](#)

[VDE Certificate](#)

English