



TE Internal #: 2825211-1

Power Contacts, Contact, Operating Voltage 600 VAC, Pre-Tin, 22 – 18AWG Wire Size, .33 – .82mm² Wire Size, Wire-to-Wire, Wire & Cable, Crimp

[View on TE.com >](#)

Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**

Operating Voltage: **600 VAC**

Contact Mating Area Plating Material: **Pre-Tin**

Wire Size: **.33 – .82 mm²**

Features

Product Type Features

Power Contact Type	Contact
Connector System	Wire-to-Wire
Connector & Contact Terminates To	Wire & Cable

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Contact Mating Area Plating Material	Pre-Tin
Contact Current Rating (Max)	13 A
Contact Type	Socket
Contact Retention Within Housing	With
Mating Square Post Dimension	1.14 mm[.045 in]
Contact Base Material	High Conductivity Copper Alloy
Contact Mating Area Plating Material Thickness	2.54 µm[100 µin]
Wire Contact Termination Area Plating Material Thickness	2.54 µm[100 µin]
Wire Contact Termination Area Plating Material	Pre-Tin



Wire Contact Termination Area Plating Material Finish	Matte
Contact Orientation	Straight
Contact Underplating Material	Nickel
Contact Underplating Material Thickness	.762 µm[30 µin]

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

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
EU ELV Directive 2000/53/EC	Not Yet Reviewed
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 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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



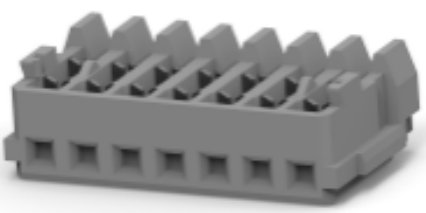
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

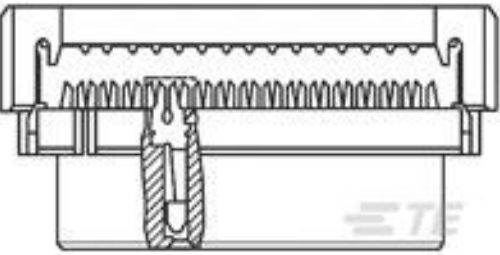
 TE Part # 2825208-1 VAL-U-LOK PIN 16AWG HCS SN LP	 TE Part # 2825209-1 VAL-U-LOK SKT 16AWG HCS SN LP	 TE Part # 2825212-1 VAL-U-LOK PIN HCS TN 22-18 LP	 TE Part # 2825213-1 VAL-U-LOK SKT HCS SN 22-18 LP
 TE Part # 2151096-1 OCEAN-2.0-APPLICATOR-S-062F125F	 TE Part # 2-2151096-1 OCEAN-2.0-APPLICATOR-S-062F125F	 TE Part # 2151096-2 OCEAN-2.0-APPLICATOR-S-062F125FA	 TE Part # 5-2151096-1 OCEAN-2.0-APPLICATOR-S-062F125F
 TE Part # 5-2151096-2 OCEAN-2.0-APPLICATOR-S-062F125FA	 TE Part # 7-2151096-1 OCEAN-2.0-APPLICATOR-S-062F125F	 TE Part # 7-2151096-2 OCEAN-2.0-APPLICATOR-S-062F125FA	 TE Part # 7-2151096-7 OCEAN_2.0_SPARE_PART_KIT-062F125F

Customers Also Bought





TE Part #1-353908-7
Mini Common Termination (CT)
Housings



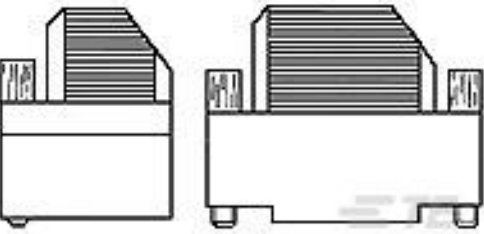
TE Part #1-111626-9
20, 2MM, 30 DP, LEAD FREE



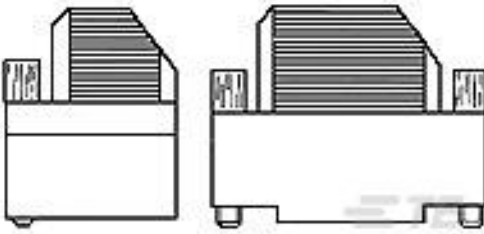
TE Part #1-1879134-1
RN 0603 12K4 0.1% 10PPM 1K RL



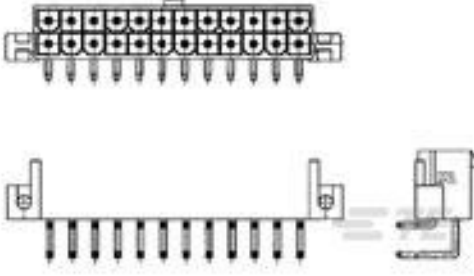
TE Part #1-1614349-3
RN 0603 100K 0.1% 10PPM CUT
LENGTH



TE Part #1393738-4
V42254A6000G137=SUB D GEHAEUSE



TE Part #1393738-3
V42254A6000G125=SUB D GEHAEUSE



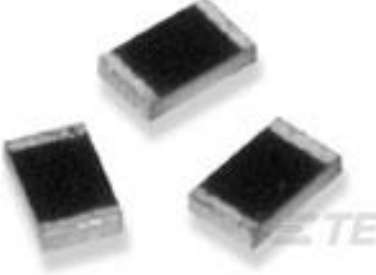
TE Part #1-1586044-6
16P VAL-U-LOK R/A HDR SCRMT V0



TE Part #1-1825008-6
DRW16RA04=Rot Dip,R/A



TE Part #1-2186498-1
T200-PRINTER-PERF-BLADE-FIXED



TE Part #8-1879259-9
RP 2B 2K43 0.1% 15PPM 1K RL

Documents

Product Drawings
VAL-U-LOK SKT HCS SN 18-22AWG
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_2825211-1_A.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_2825211-1_A.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_2825211-1_A.3d_stp.zip
English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages



High Current VAL-U-LOK Connectors

English

Product Specifications

Product Specification

English