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Rectangular Power Connector Type: **Housing**
Connector & Housing Type: **Plug**
Connector System: **Wire-to-Wire**
Number of Positions: **20**
Centerline (Pitch): **4.2 mm [.165 in]**

Features

Product Type Features

Rectangular Power Connector Type	Housing
Connector & Housing Type	Plug
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	20
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Contact Retention Within Housing	Without
Contact Type	Pin

Termination Features

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Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
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Housing Features

Centerline (Pitch)	4.2 mm[.165 in]
Housing Color	Natural
Housing Material	Nylon 6/6

Dimensions

Connector Height	9.6 mm[.378 in]
Product Width	23.8 mm[.937 in]
Product Length	43.2 mm[1.7 in]
Row-to-Row Spacing	4.2 mm[.165 in]

Usage Conditions

Operating Temperature Range	-40 - 105 °C[-40 - 221 °F]
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Operation/Application

Circuit Application	Power & Signal
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Industry Standards

CSA Rating	208567
UL Rating	Recognized
Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-2
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	500
Packaging Method	Bag

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: JAN 2024 (240)
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 # 2-794954-0
20P RCPT VAL-U-LOK V2

TE Part # 2-1586041-0
20P VAL-U-LOK R/A HDR V2

TE Part # 2-1586037-0
20P VERT HDR VAL-U-LOK V2

TE Part # 2-1586043-0
20P VAL-U-LOK R/A HDR SCRMT V2

TE Part # 2-1969597-0
20P RCPT VAL-U-LOK V2

Customers Also Bought



TE Part # 770849-7
07P SL156 HSG W/LCK RMP & TABS

TE Part # 1478769-2
ANTI-VIB NYLON GLD 16MM BLK

TE Part # 1-794954-0
10P RCPT VAL-U-LOK V2

TE Part # 1586055-1
VAL-U-LOK SKT BR SN 16AWG

TE Part # 2-520181-2
ULTRA-FAST 187 ASY REC 22-18 AWG TPBR

TE Part # 62253-1
250 FASTON REC 14-10 BR

TE Part # 3-520132-2
ULTRAFAST 250 ASSY FLAG REC 16-14 TPBR

TE Part # 42745-2
PIN 090 FLAG RECEPTACLE 20-14 AWG TPPHBZ

TE Part # 2238020-1
VAL-U-LOK PIN BR TN 22-18 LP

TE Part # 1586343-1
VAL-U-LOK EXTRACTION TOOL

Documents

Product Drawings
20P FH PLUG VAL-U-LOK V2

English

CAD Files
3D PDF

3D

Customer View Model
ENG_CVM_CVM_2-1969598-0_A_c-2-1969598-0-a.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_2-1969598-0_A_c-2-1969598-0-a.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_2-1969598-0_A_c-2-1969598-0-a.3d_stp.zip

English

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

Datasheets & Catalog Pages



1-1773730-3 VAL-U-LOK Connectors with TPA Flyer

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

UL Report

English