

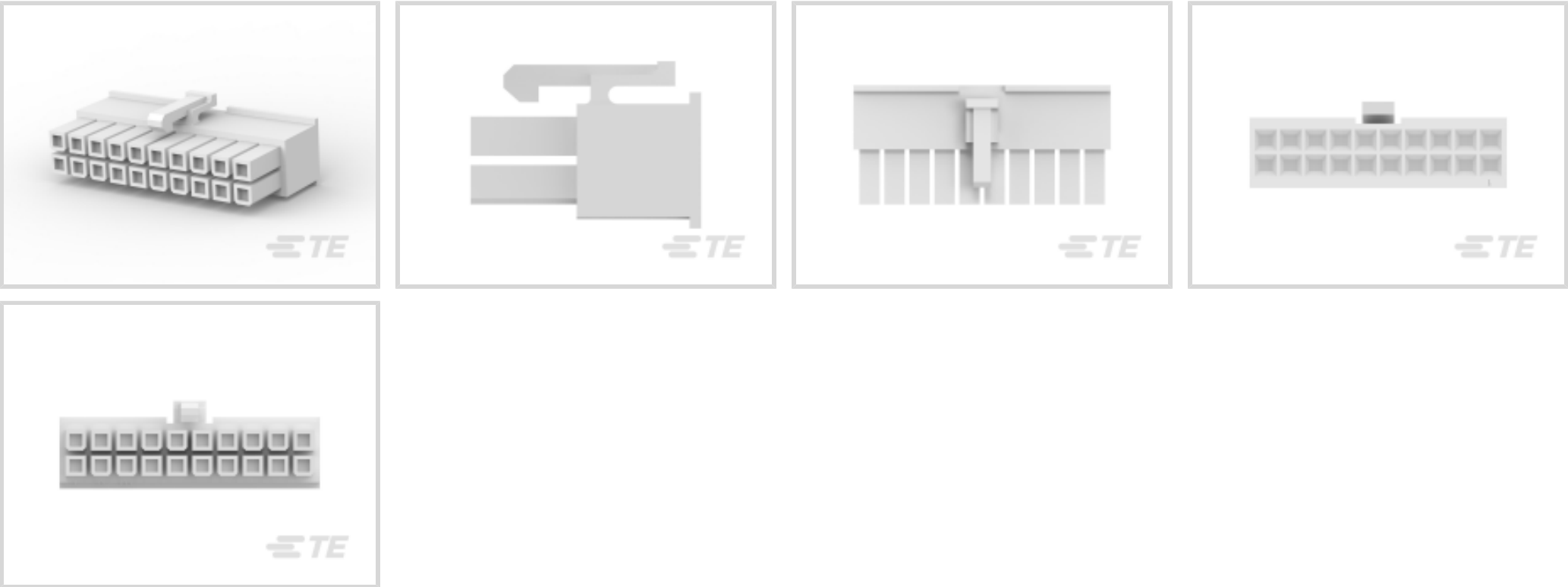


VAL-U-LOK

TE Internal #: 2-794954-0
Housing, Receptacle, Wire-to-Board / Wire-to-Wire, 20 Position, 4.2 mm [.165 in] Centerline, Wire & Cable, UL 94V-2, Rectangular Power Connectors

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**
Connector & Housing Type: **Receptacle**
Connector System: **Wire-to-Board, 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	Receptacle
Connector System	Wire-to-Board, Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Insertion Force	15 Newton
Compatible With Wire & Cable Type	Discrete Wire
Number of Positions	20
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Multiple Contact Types	Without
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Contact Layout	Matrix
Contact Retention Within Housing	Without
Contact Type	Receptacle

Termination Features

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

Dimensions

Connector Height	11.8 mm[.464 in]
Product Width	20 mm[.787 in]
Product Length	43.2 mm[1.7 in]
Compatible Insulation Diameter Range	1.2 – 3.1 mm[.047 – .122 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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Identification Marking

Circuit Identification Feature	With
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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

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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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 # 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 # 2-794953-0
20P PM PLUG VAL-U-LOK V2

TE Part # 2-1586039-0
20P VAL-U-LOK VRT HDR W/P V2



TE Part # 2-1586000-0
20P FH PLUG VAL-U-LOK V2

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

TE Part # 2-1969598-0
20P FH PLUG VAL-U-LOK V2

Customers Also Bought

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

TE Part #173633-2
070 MLC TAB CONT 24-22

TE Part #1-174936-1
070 MLC W-W CAP HSG 20P F/A

TE Part #2029058-4
4P VAL-U-LOK SR HDR SN V2 WODH

TE Part #1-174938-1
MULTILOCK, CONNECTOR HOUSING

TE Part #1-174928-1
070 MLC W-W CAP HSG 3P F/A

TE Part #1-174930-1
070 MLC W-W CAP HSG 6P F/A

TE Part #170096-2
250 FASTON,REC.,22-18 AWG,TPPB

Documents

Product Drawings
20P RCPT VAL-U-LOK V2

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-794954-0_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-794954-0_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-794954-0_E.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

Agency Approvals

VDE Certificate

English