



VAL-U-LOK

TE Internal #: 1-1586018-2

Rectangular Power Connectors, Housing, Plug, Wire-to-Wire / Wire-to-Panel, 12 Position, 4.2 mm [.165 in] Centerline, Wire & Cable, UL 94V-0

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**
Connector & Housing Type: **Plug**
Connector System: **Wire-to-Panel, Wire-to-Wire**
Number of Positions: **12**
Centerline (Pitch): **4.2 mm [.165 in]**

Features

Product Type Features

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

Configuration Features

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|-----------------------------------|---------------|
| Insertion Force | 15 Newton |
| Compatible With Wire & Cable Type | Discrete Wire |
| Number of Positions | 12 |
| Number of Rows | 2 |

Electrical Characteristics

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|-------------------|---------|
| Operating Voltage | 600 VAC |
|-------------------|---------|

Contact Features

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|------------------------|------|
| Multiple Contact Types | With |
|------------------------|------|



| | |
|----------------------------------|---------|
| Contact Layout | Matrix |
| Contact Retention Within Housing | Without |
| Contact Type | Pin |

Termination Features

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|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|

Mechanical Attachment

| | |
|-------------------------|-------------|
| Connector Mounting Type | Panel Mount |
|-------------------------|-------------|

Housing Features

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|--------------------|-----------------|
| Centerline (Pitch) | 4.2 mm[.165 in] |
| Housing Color | White |
| Housing Material | Nylon |

Dimensions

| | |
|--------------------------------------|------------------------------|
| Connector Height | 9.6 mm[.378 in] |
| Product Width | 23.9 mm[.94 in] |
| Product Length | 26.4 mm[1.039 in] |
| Compatible Insulation Diameter Range | 1.2 – 3.1 mm[.047 – .122 in] |
| Row-to-Row Spacing | 4.2 mm[.165 in] |

Usage Conditions

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|-----------------------------|----------------------------|
| Operating Temperature Range | -40 – 105 °C[-40 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

| | |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Identification Marking

| | |
|--------------------------------|------|
| Circuit Identification Feature | With |
|--------------------------------|------|

Industry Standards

| | |
|------------------------|-------------------------------|
| CSA Rating | 208567 |
| UL Rating | Recognized |
| Agency/Standard | CSA, UL |
| Approved Standards | UL E28476 |
| UL Flammability Rating | UL 94V-0 |
| 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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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 # 1-1586019-2
12P RCPT VAL-U-LOK V0



TE Part # 1-1969614-2
12P RCPT VAL-U-LOK V0

Customers Also Bought



TE Part #917242-8
DYNAMIC D-3500 WTW TAB HSG 20P

TE Part #1903126-1
DYNAMIC D1000 TAB CONT TIN (2L) L /P

TE Part #353718-5
DYNAMIC D-3 TAB CONT. 3L PRE-TIN L/P

TE Part #1-794954-2
12P RCPT VAL-U-LOK V2

TE Part #1586026-4
4P SR RCPT VAL-U-LOK V2

TE Part #3-640620-5
05P MTA100 CONN ASSY F/T RED

TE Part #1586024-5
5P S/R FH PLUG VAL-U-LOK V2

Documents

Product Drawings

12P PM PLUG VAL-U-LOK V0

English

CAD Files

Customer View Model

ENG_CVM_1-1586018-2_A.3d_igs.zip

English

Customer View Model

ENG_CVM_1-1586018-2_A.3d_stp.zip

English

Customer View Model

ENG_CVM_1-1586018-2_A.2d_dxf.zip

English

3D PDF

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

UL Report



English