

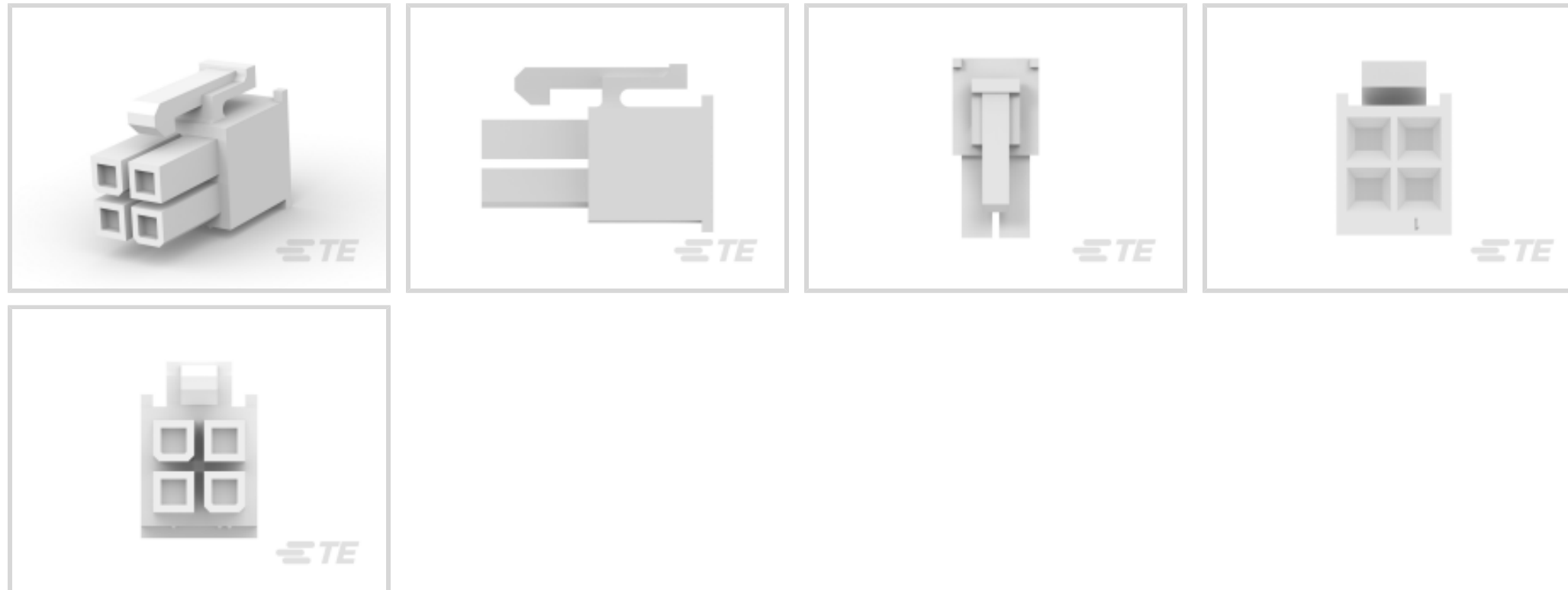
## VAL-U-LOK

TE Internal #: 794954-4

Rectangular Power Connectors, Housing, Receptacle, Wire-to-Board / Wire-to-Wire, 4 Position, .165 in [4.2 mm] Centerline, Wire & Cable, UL 94V-2

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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: **4**

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

|                     |   |
|---------------------|---|
| Number of Positions | 4 |
| Number of Rows      | 2 |

### Electrical Characteristics

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

### Contact Features

|                                  |                     |
|----------------------------------|---------------------|
| Contact Layout                   | Matrix, Square Grid |
| Multiple Contact Types           | Without             |
| Contact Retention Within Housing | Without             |



|              |            |
|--------------|------------|
| Contact Type | Receptacle |
|--------------|------------|

### Termination Features

|                                    |               |
|------------------------------------|---------------|
| Termination Method to Wire & Cable | Crimp         |
| Wire/Cable Type                    | Discrete Wire |

### Mechanical Attachment

|                         |                            |
|-------------------------|----------------------------|
| Connector Mounting Type | Cable Mount (Free-Hanging) |
|-------------------------|----------------------------|

### Housing Features

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

### Dimensions

|  |                               |
|--|-------------------------------|
| Row-to-Row Spacing                     | 4.2 mm [.165 in]              |
| Width                                  | 20 mm [.787 in]               |
| Accepts Wire Insulation Diameter Range | 1.2 – 3.1 mm [.047 – .122 in] |
| Height                                 | 11.8 mm [.464 in]             |
| Length                                 | 9.6 mm [.378 in]              |

### Usage Conditions

|                             |                             |
|-----------------------------|-----------------------------|
| Operating Temperature Range | -40 – 105 °C [-40 – 221 °F] |
| Insertion Force             | 15 Newton                   |

### Operation/Application

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

### Identification Marking

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

### Industry Standards

|                        |                               |
|------------------------|-------------------------------|
| UL Flammability Rating | UL 94V-2                      |
| Glow Wire Rating       | Standard Part - Not Glow Wire |
| Agency/Standard Number | E28476                        |
| Agency/Standard        | CSA, UL                       |
| UL Rating              | Recognized                    |
| CSA File Number        | 208567                        |
| VDE Tested             | No                            |



### Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Method   | Bag |
| Packaging Quantity | 500 |

### Other

|              |                       |
|--------------|-----------------------|
| For Use With | Printed Circuit Board |
|--------------|-----------------------|

### 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 2022 (224)<br>Candidate List Declared Against: JUNE 2022 (224)<br>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 # 1586000-4  
4P FH PLUG VAL-U-LOK V2




TE Part # 794953-4  
4P PM PLUG VAL-U-LOK V2



TE Part # 1586039-4  
4P VAL-U-LOK VRT HDR W/P V2



TE Part # 1586037-4  
4P VERT HDR VAL-U-LOK V2



TE Part # 1586041-4  
4P VAL-U-LOK R/A HDR V2



TE Part # 1586586-4  
4P VAL-U-LOK BMI VRT HDR V2




TE Part # 1969599-4  
4P PM PLUG VAL-U-LOK V2



TE Part # 1586585-4  
4P VAL-U-LOK BMI VRT HDR V2



TE Part # 1586043-4  
4P VAL-U-LOK R/A HDR SCR MT V2



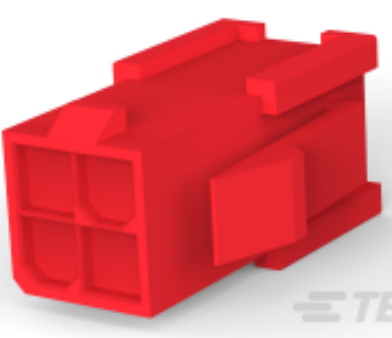
TE Part # 794550-4  
04P DUAC PLUG HSG 94V-2 PAN MT



TE Part # 1969598-4  
4P FH PLUG VAL-U-LOK V2



TE Part # 2029088-4  
4P PLUG VAL-U-LOK V2 PM BLK



TE Part # 2029089-4  
4P PLUG VAL-U-LOK V2 PM RED



TE Part # 2029100-4  
4P RCPT VAL-U-LOK V0 BLUE

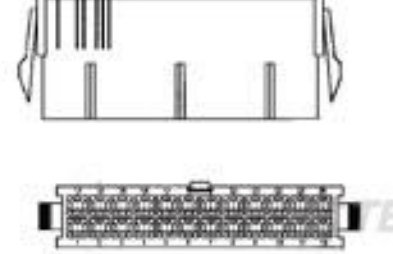


TE Part # 2825272-4  
4P VERT HDR VAL-U-LOK HCS GW

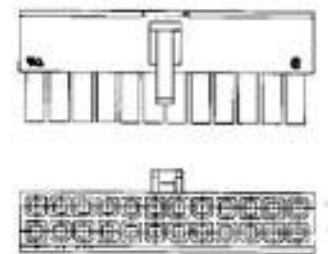
### Customers Also Bought



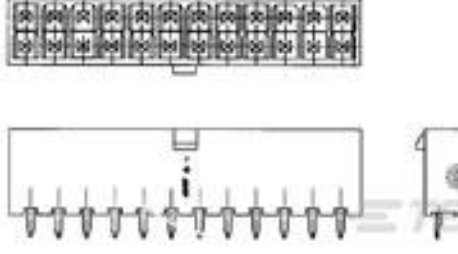
TE Part #3-644563-7  
07P MTA100 CONN ASSY F/T 24AWG



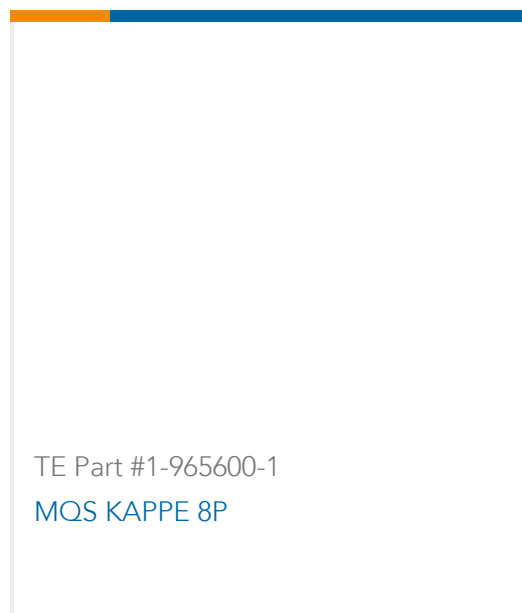
TE Part #794953-4  
4P PM PLUG VAL-U-LOK V2



TE Part #794954-8  
8P RCPT VAL-U-LOK V2



TE Part #1586037-4  
4P VERT HDR VAL-U-LOK V2



## Documents

### Product Drawings

[4P RCPT VAL-U-LOK V2](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_794954-4\\_E.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_794954-4\\_E.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_794954-4\\_E.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

[SOFT\\_SHELL\\_PIN\\_AND\\_SOCKET\\_CONNECTORS\\_CATALOG](#)

English

### Product Specifications

[Application Specification](#)

English

### Product Environmental Compliance

[MD\\_794954-4\\_080820182245\\_dmtec](#)



English

[MD\\_794954-4\\_080820182245\\_dmtec](#)

English

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[Agency Approvals](#)

[UL Report](#)

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