

1-1969597-6 ✓ ACTIVE



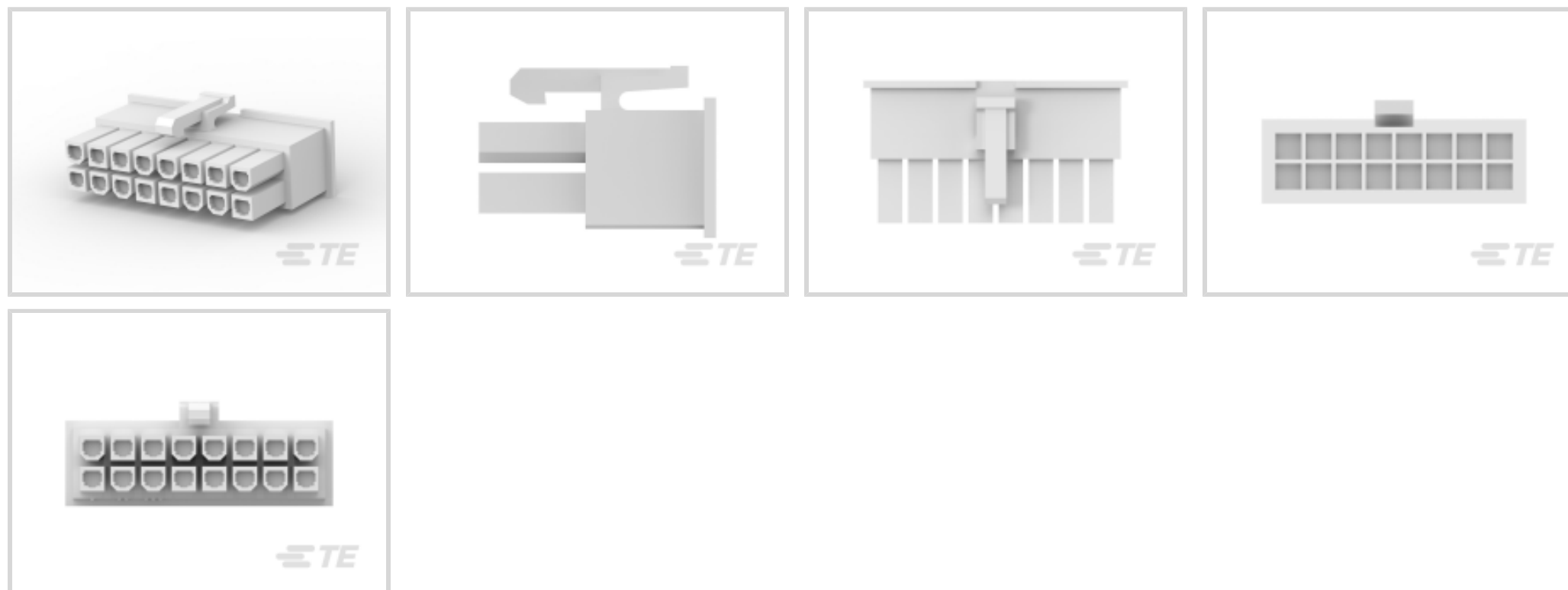
VAL-U-LOK

TE Internal #: 1-1969597-6

Rectangular Power Connectors, Housing, Receptacle, Wire-to-Wire / Wire-to-Board, 16 Position, 4.2 mm [.165 in] 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: **16**

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 | 16 |
| Number of Rows | 2 |

Electrical Characteristics

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

Contact Features

| | |
|----------------------------------|------------|
| Contact Retention Within Housing | Without |
| Contact Type | Receptacle |



Termination Features

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

Mechanical Attachment

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

Housing Features

| | |
|--------------------|------------------|
| Centerline (Pitch) | 4.2 mm [.165 in] |
|--------------------|------------------|

| | |
|---------------|---------|
| Housing Color | Natural |
|---------------|---------|

| | |
|------------------|-----------|
| Housing Material | Nylon 6/6 |
|------------------|-----------|

Dimensions

| | |
|------------------|-------------------|
| Connector Height | 11.7 mm [.461 in] |
|------------------|-------------------|

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|---------------|-------------------|
| Product Width | 19.8 mm [.779 in] |
|---------------|-------------------|

| | |
|----------------|-------------------|
| Product Length | 34.8 mm [1.37 in] |
|----------------|-------------------|

| | |
|--------------------|------------------|
| Row-to-Row Spacing | 4.2 mm [.165 in] |
|--------------------|------------------|

Usage Conditions

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

Operation/Application

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

Industry Standards

| | |
|------------|--------|
| CSA Rating | 208567 |
|------------|--------|

| | |
|-----------|------------|
| UL Rating | Recognized |
|-----------|------------|

| | |
|-----------------|---------|
| Agency/Standard | CSA, UL |
|-----------------|---------|

| | |
|--------------------|-----------|
| Approved Standards | UL E28476 |
|--------------------|-----------|

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|------------------------|----------|
| UL Flammability Rating | UL 94V-2 |
|------------------------|----------|

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|------------------|-------------------------------|
| Glow Wire Rating | Standard Part - Not Glow Wire |
|------------------|-------------------------------|

Packaging Features

| | |
|--------------------|-----|
| Packaging Quantity | 500 |
|--------------------|-----|

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|------------------|-----|
| Packaging Method | Bag |
|------------------|-----|

Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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 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 # 1-1586000-6
16P FH PLUG VAL-U-LOK V2



TE Part # 1-794953-6
16P PM PLUG VAL-U-LOK V2

Customers Also Bought



TE Part #2238022-1
VAL-U-LOK PIN BR SN 26-22 LP



TE Part #1-1969608-0
10P VAL-U-LOK TPA 22-18 AWG



TE Part #2238021-1
VAL-U-LOK SKT BR SN 22-18 LP



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



Documents

Product Drawings

[16P RCPT VAL-U-LOK V2](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-1969597-6_A_c-1-1969597-6-a.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1969597-6_A_c-1-1969597-6-a.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1969597-6_A_c-1-1969597-6-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