



VAL-U-LOK

TE Internal #: 2029096-2

2 Position, Plug, Housing, Crimp, Wire-to-Wire, UL 94V-2, 4.2 mm [.165 in] Centerline, 2 Row, 600 VAC, Wire & Cable, Power & Signal

[View on TE.com >](#)

Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Housing**
 Connector & Housing Type: **Plug**
 Termination Method to Wire & Cable: **Crimp**
 Connector System: **Wire-to-Wire**
 Contact Retention Within Housing: **Without**

Features

Product Type Features

| | |
|-----------------------------------|--------------|
| Connector Product Type | Housing |
| Connector & Housing Type | Plug |
| Connector System | Wire-to-Wire |
| Sealable | No |
| Connector & Contact Terminates To | Wire & Cable |

Configuration Features

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

Electrical Characteristics

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

Body Features

| | |
|-----------------------|------|
| Primary Product Color | Blue |
|-----------------------|------|

Contact Features

| | |
|----------------------------------|---------|
| 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 | Cable Mount (Free-Hanging) |
|-------------------------|----------------------------|

Housing Features

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

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|------------------|-------|
| Housing Material | Nylon |
|------------------|-------|

Dimensions

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|-----------------|-------------------|
| Connector Width | 23.8 mm [.937 in] |
|-----------------|-------------------|

| | |
|------------------|-------------------|
| Connector Height | 10.6 mm [.417 in] |
|------------------|-------------------|

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|------------------|------------------|
| Connector Length | 5.4 mm [.213 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

| | |
|---|---------|
| Compatible With Agency/Standards Products | CSA, UL |
|---|---------|

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

| | |
|---|-----------|
| Compatible With Approved Standards Products | UL E28476 |
|---|-----------|

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

| | |
|------------------------|----------|
| 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 | Package |
|------------------|---------|

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 |
|-----------------------------|-----------|


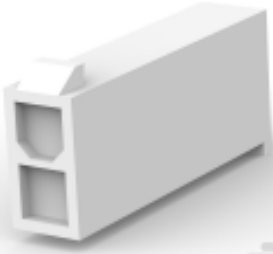



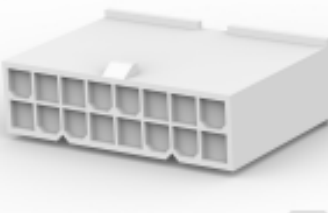
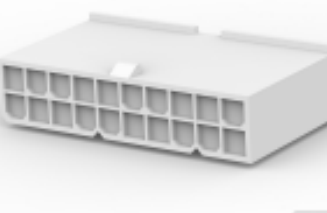


| | |
|---|--|
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC |
| Halogen Content | Low Halogen - 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

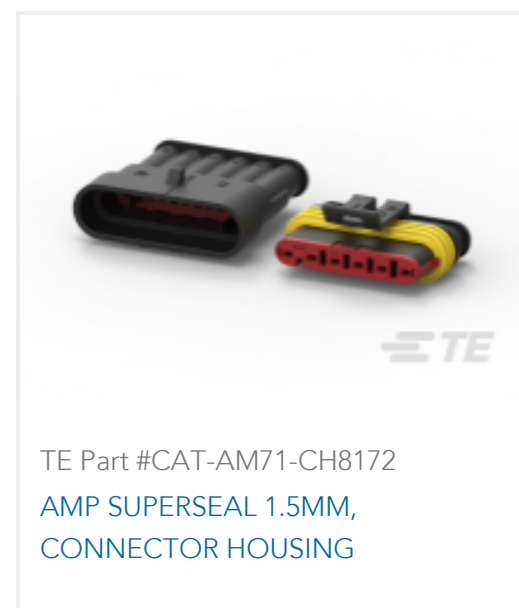
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

| | | | |
|---|--|---|---|
|  <p>TE Part # 1586862-2 2P FH PLUG VAL-U-LOK FH GW</p> |  <p>TE Part # 1586017-2 2P FH PLUG VAL-U-LOK V0</p> |  <p>TE Part # 1586000-2 2P FH PLUG VAL-U-LOK V2</p> |  <p>TE Part # 1-1586000-0 10P FH PLUG VAL-U-LOK V2</p> |
|  <p>TE Part # 1969604-2 2P FH PLUG VAL-U-LOK FH GW</p> |  <p>TE Part # 1969612-2 2P FH PLUG VAL-U-LOK V0</p> |  <p>TE Part # 1-1586000-6 16P FH PLUG VAL-U-LOK V2</p> |  <p>TE Part # 2-1586000-0 20P FH PLUG VAL-U-LOK V2</p> |



Customers Also Bought



Documents

Product Drawings

2P PLUG VAL-U-LOK V2 FH BLUE

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2029096-2_A_c-2029096-2-a.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2029096-2_A_c-2029096-2-a.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2029096-2_A_c-2029096-2-a.3d_stp.zip](#)

English

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[Product Specifications](#)

[Application Specification](#)

English