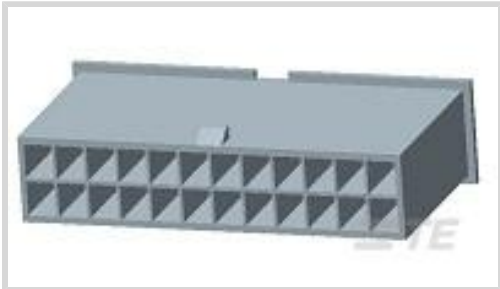




Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Product Type: **Housing**
Housing Type: **Plug**
Connector System: **Wire-to-Wire**
Number of Positions: **6**
Centerline (Pitch): **4.2 mm [.165 in]**

Features

Product Type Features

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

Configuration Features

| | |
|---------------------|-----------------|
| Number of Positions | 6 |
| Number of Rows | 2 |
| Row-to-Row Spacing | .165 mm[4.2 in] |

Electrical Characteristics

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

Contact Features

| | |
|-------------------|---------|
| Contact Retention | Without |
|-------------------|---------|

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] |
| UL Flammability Rating | UL 94V-2 |
| Housing Color | White |
| Housing Material | Polyamide |

Dimensions

| | |
|--------|------------------|
| Height | 9.6 mm[.378 in] |
| Length | 13.8 mm[.543 in] |
| Width | 23.8 mm[.937 in] |

Usage Conditions

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

Operation/Application

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

Industry Standards

| | |
|------------------------|---------------------------|
| Glow Wire Rating | GWT 750°C (Without Flame) |
| UL Rating | Recognized |
| Agency/Standard Number | E28476 |
| CSA File Number | 208567 |
| Agency/Standard | CSA, UL |

Packaging Features

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

Product Compliance

For compliance documentation, visit the product page on [TE.com](#)>

| | |
|---|--|
| EU RoHS Directive 2011/65/EU | Not Yet Reviewed |
| EU ELV Directive 2000/53/EC | Not Yet Reviewed |
| 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 2019 (197) Candidate List Declared Against: JAN 2019 (197) |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |



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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Customers Also Bought

TE Part #1969604-8
8P FH PLUG VAL-U-LOK
FH GW

TE Part #2-1969603-4
24P RCPT VAL-U-LOK GW

TE Part #2226742-3
KIT, SOCKET, SNAP-LUG, 2
/0-1/0, RED

TE Part #2226744-7
KIT, PIN, SNAP-LUG, RED,
3/8 THREAD

TE Part #1744090-1
PANEL MT BRACKET, 120
SERIES

TE Part #1969603-6
6P RCPT VAL-U-LOK GW

TE Part #2-1586765-0
20P RCPT VAL-U-LOK GW

TE Part #2-1586862-4
24P FH PLUG VAL-U-LOK
FH GW

TE Part #2029180-5
5P PLUG SR VAL-U-LOK
FH GW

TE Part #1-2029265-4
14P VAL-U-LOK VRTHDR W
/PGS GW

Documents

Product Drawings

6P FH PLUG VAL-U-LOK FH GW

TE Part # 1969604-6
TE Internal #: 1969604-6



6P FH PLUG VAL-U-LOK FH GW

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1969604-6_A_c-1969604-6-a.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1969604-6_A_c-1969604-6-a.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1969604-6_A_c-1969604-6-a.3d_stp.zip

English

Datasheets & Catalog Pages

1-1773730-3 VAL-U-LOK Connectors with TPA Flyer

English