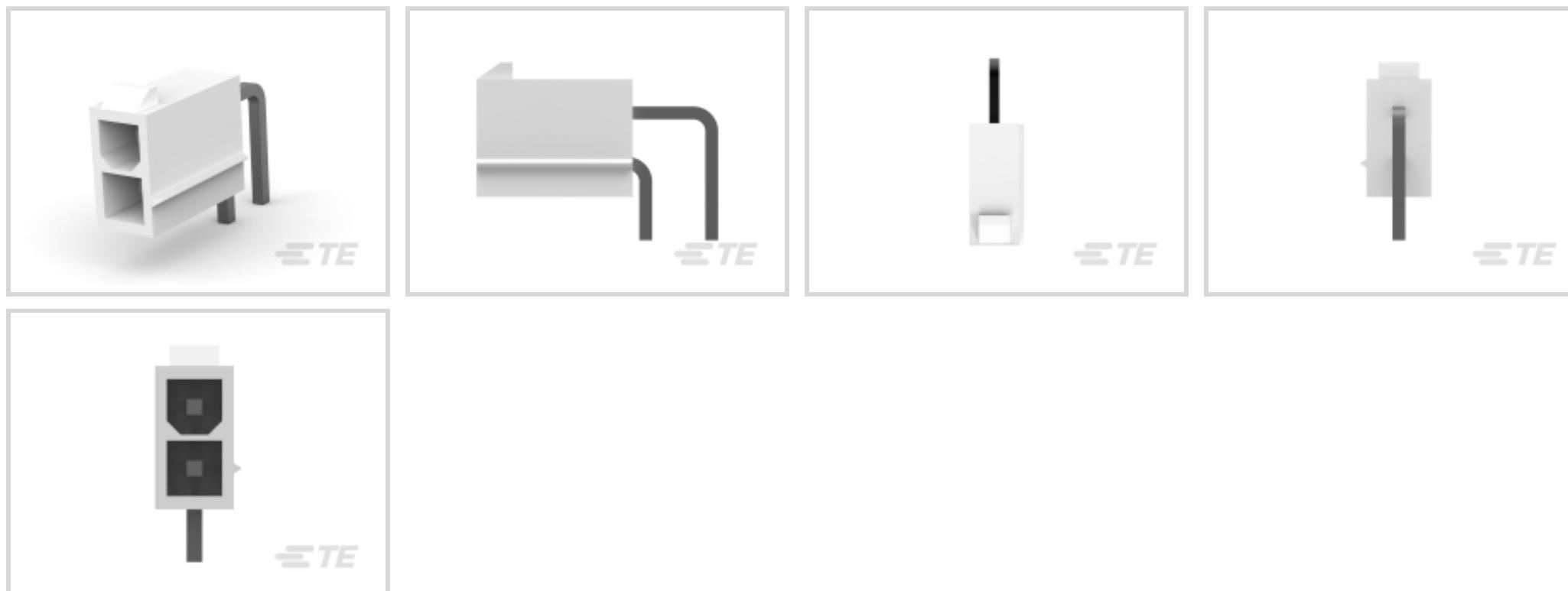


Connectors &gt; Power Connectors &gt; Rectangular Power &gt; Rectangular Power Connectors

Rectangular Power Connector Type: **Header**Connector & Housing Type: **Plug**Connector System: **Wire-to-Board**Number of Positions: **2**Centerline (Pitch): **4.2 mm [.165 in]**

## Features

### Product Type Features

Rectangular Power Connector Type	Header
Connector & Housing Type	Plug
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

Number of Positions	2
PCB Mount Orientation	Right Angle
Number of Power Positions	2
Number of Signal Positions	0
Number of Rows	2

### Electrical Characteristics

Operating Voltage	600 VAC
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### Contact Features

Contact Layout	Inline
Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)	9 A
Contact Retention Within Housing	Without
Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin

#### Termination Features

Termination Post & Tail Length	3.5 mm [.138 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

#### Mechanical Attachment

Mating Alignment Type	Keyed
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	Without
Mating Retention Type	Latch
Connector Mounting Type	Board Mount

#### Housing Features

Centerline (Pitch)	4.2 mm [.165 in]
Housing Color	White
Housing Material	Polyamide

#### Dimensions

Compatible Insulation Diameter (Max)	2.39 mm [2.39 in]
Connector Height	9.8 mm [.386 in]
PCB Thickness (Recommended)	.06 mm [1.6 in]
Product Width	13 mm [.512 in]
Product Length	5.4 mm [.213 in]
Compatible Insulation Diameter Range	1.2 - 3.1 mm [.047 - .122 in]
Row-to-Row Spacing	5.5 mm [.216 in]

#### Usage Conditions

Operating Temperature Range	-40 - 105 °C [-40 - 221 °F]
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#### Operation/Application

## Circuit Application

## Power

## Identification Marking

## Circuit Identification Feature

## With

## Industry Standards

## CSA Rating

## 208567

## UL Rating

## Recognized

## Compatible With Agency/Standards Products

## CSA, UL

## Compatible With Approved Standards Products

## UL E28476

## UL Flammability Rating

## UL 94V-2

## Glow Wire Rating

## GWT 750°C (Without Flame)

## Packaging Features

## Packaging Quantity

## 690

## Packaging Method

## Box &amp; Tray, Tray

## Product Compliance

For compliance documentation, visit the product page on [TE.com](http://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 2024 (240)

## Candidate List Declared Against: JAN 2021 (211)

## Does not contain REACH SVHC

## Halogen Content

## Low Halogen - Br, Cl, F, I &lt; 900 ppm per homogenous material. Also BFR/CFR/PVC Free

## Solder Process Capability

## Wave solder capable to 265°C

## 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 # 1586861-2  
2P PM PLUG VAL-U-LOK PM GW



TE Part # 2296206-2  
2P FH PLUG VAL-U-LOK FH GWT/V0



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



TE Part # 2296207-2  
2P PM PLUG VAL-U-LOK PM GWT/V0

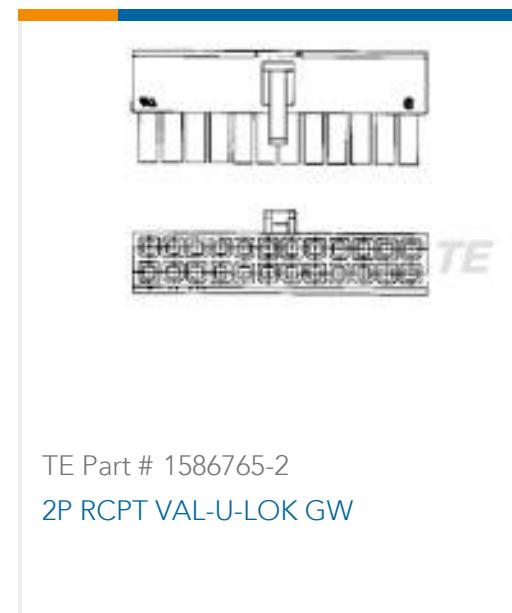
## Customers Also Bought



TE Part # 81665-4  
ECONOSEAL, FLANGE GASKET



TE Part # 2227302-1  
CAGE ASSY, PRESS FIT, SFP



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



TE Part # 2301996-8  
RJ45 JACK INT.MAG. 1GB LED 1X2



TE Part # 1-2232000-2  
2P, RAST 5 Tab Header, THV,black, Tin



TE Part # 2031676-2  
SDE F MINI MIC 0.35-1.5mm2 DIE SET



TE Part # 2301996-7  
RJ45 JACK INT.MAG. 1GB LED 1X2 INV.



TE Part # 6-1123723-7  
3.96 EP HDR ASSY 7P(GREEN)

## Documents

### Product Drawings

[2P VAL-U-LOK R/A HDR GW](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1586863-2\\_GN.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1586863-2\\_GN.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1586863-2\\_GN.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[VAL-U-LOK\\_GLOW\\_WIRE\\_CONNECTORS](#)

English

Product Specifications

[Application Specification](#)

English

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English

Agency Approvals

[UL Report](#)

English