

2029265-4 ✓ ACTIVE

VAL-U-LOK

TE Internal #: 2029265-4

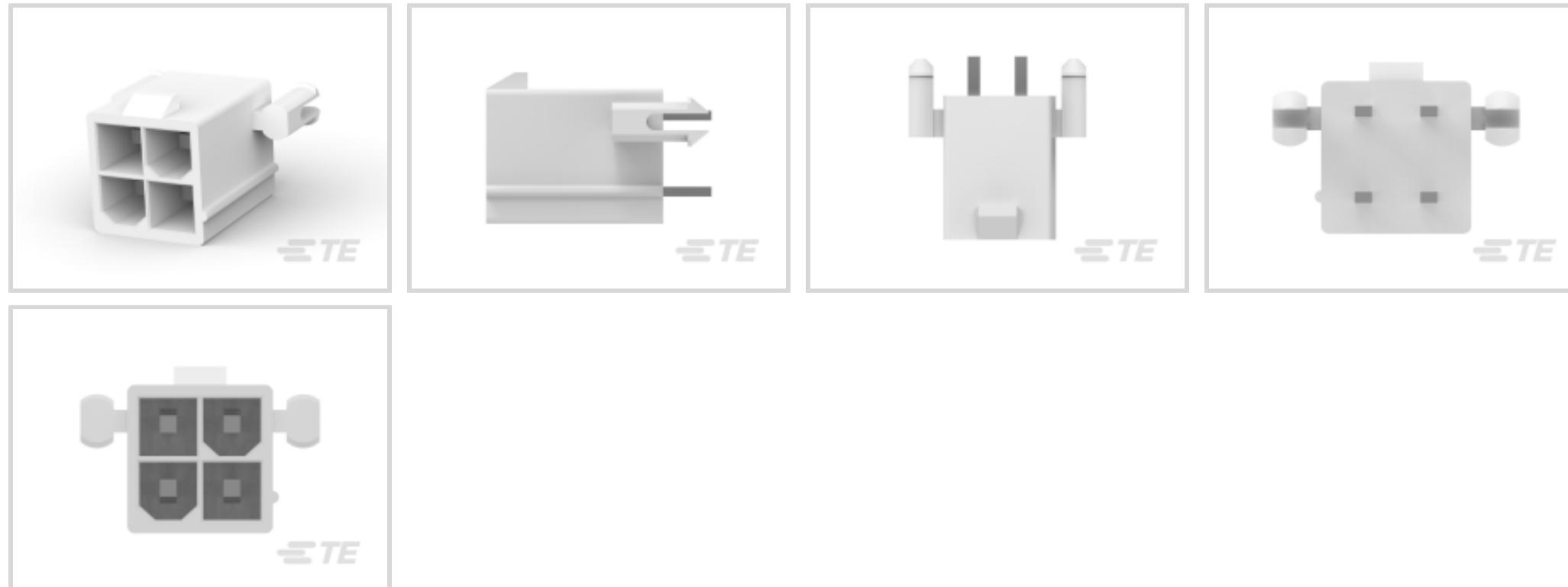
Rectangular Power Connectors, Header, Plug, Wire-to-Board, 4

Position, 4.2 mm [.165 in] Centerline, Printed Circuit Board, UL 94V-0

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

Connector System: **Wire-to-Board**

Number of Positions: **4**

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 | 4 |
| PCB Mount Orientation | Vertical |
| Number of Power Positions | 4 |
| Number of Rows | 2 |

Electrical Characteristics

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

Contact Features

| | |
|------------------------|------|
| Multiple Contact Types | With |
|------------------------|------|

| | |
|---|---------|
| 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 | With |
| PCB Mount Retention | With |
| PCB Mount Retention Type | Boardlock |
| Mating Retention Type | Latch |
| Connector Mounting Type | Board Mount |

Housing Features

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

Dimensions

| | |
|--------------------------------------|-------------------------------|
| Connector Height | 12.8 mm [.504 in] |
| PCB Thickness (Recommended) | .7 mm [1.78 in] |
| Product Width | 9.75 mm [.384 in] |
| Product Length | 9.6 mm [.38 in] |
| Compatible Insulation Diameter Range | 1.2 – 3.1 mm [.047 – .122 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

Identification Marking

Circuit Identification Feature

With

Industry Standards

CSA Rating

208567

UL Rating

Recognized

Agency/Standard

CSA, UL

Approved Standards

UL E28476

UL Flammability Rating

UL 94V-0

Glow Wire Rating

GWT 750°C (Without Flame)

Packaging Features

Packaging Method

Box & Tray, Tray

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 2023
(235)Candidate List Declared Against: JUNE
2023 (235)

Does not contain REACH SVHC

Halogen Content

Not Low Halogen - contains Br or Cl > 900
ppm.

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 # 1586862-4
4P FH PLUG VAL-U-LOK FH GW



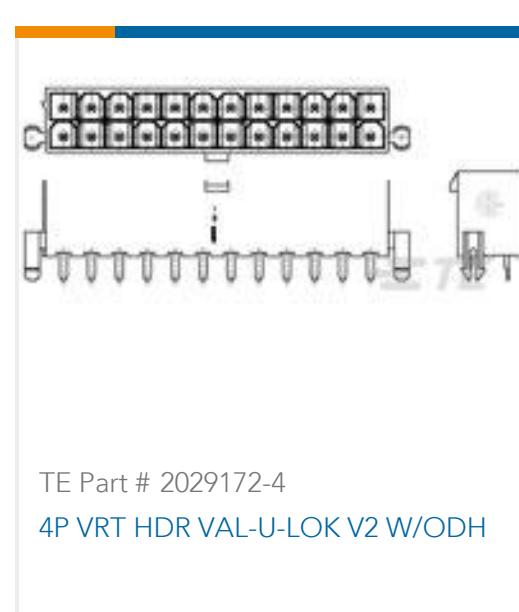
TE Part # 1586861-4
4P PM PLUG VAL-U-LOK PM GW



TE Part # 2296206-4
4P FH PLUG VAL-U-LOK FH GWT/V0



TE Part # 2296207-4
4P PM PLUG VAL-U-LOK PM GWT/V0



TE Part # 2029172-4
4P VRT HDR VAL-U-LOK V2 W/ODH

Customers Also Bought



TE Part #1-1415899-3
PCB Power Relay: 12-16 Amp,
Monostable



TE Part #7-188275-8
MICRO-MATCH SMD FTE



TE Part #292161-4
CT P/HDR ASSY V 4P W/KINK NAT



TE Part #3-1734839-0
FPC CONN. 0.5MM PITCH T/C,30P



TE Part #1761987-9
ReceptacleConnAssm38PosTape/Re



TE Part #1744429-7
3.96 EP HDR ASSY 7P W/PEGS, GW



TE Part #4-1623774-0
C14 6R8 5% (LOOSE)



TE Part #794606-2
MICRO MNL RPT CNT STRIP 15AU



TE Part #2-1744435-8
EP 08P V-HDR ASY NO 3 PIN

Documents

Product Drawings

4P VAL-U-LOK VRTHDR W/PGS GW

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2029265-4_D_c-2029265-4-d.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2029265-4_D_c-2029265-4-d.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2029265-4_D_c-2029265-4-d.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

Product Environmental Compliance

[MD_2029265-4_101120182347_dmtec](#)

English

[MD_2029265-4_101120182347_dmtec](#)

English

Instruction Sheets

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

English

Agency Approvals

[UL Report](#)

English