

2029150-5

✓ ACTIVE

## VAL-U-LOK

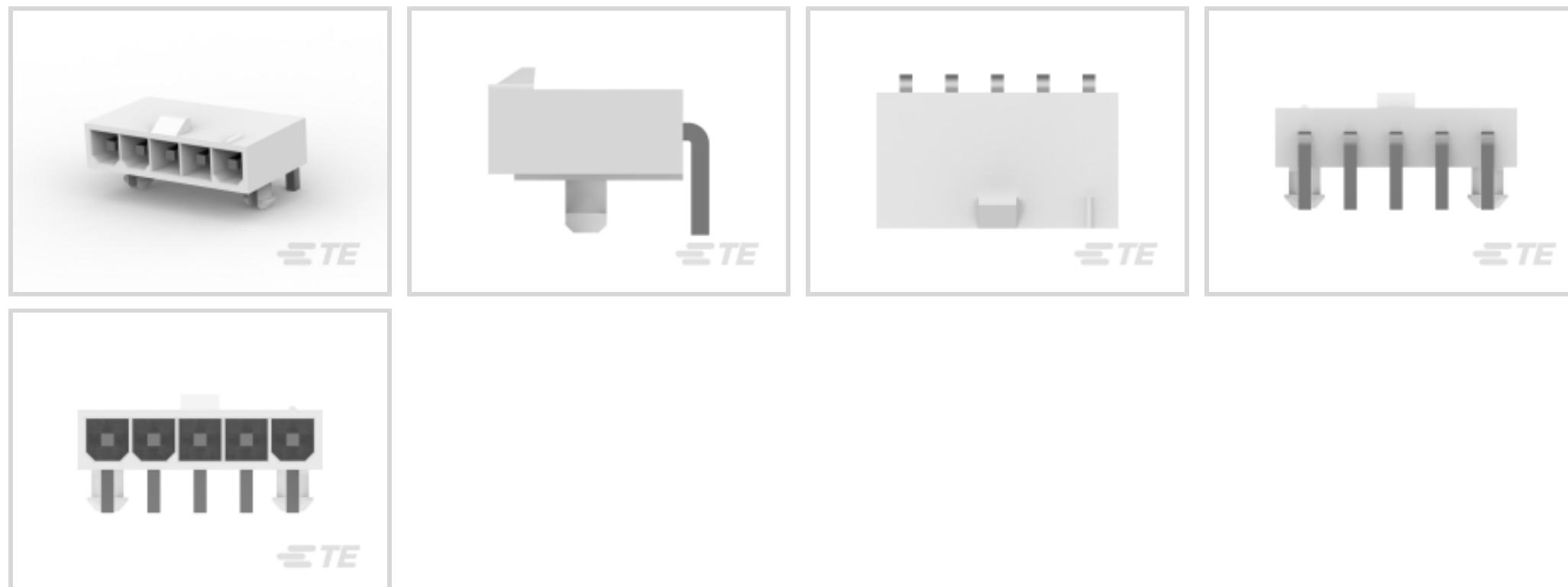
TE Internal #: 2029150-5

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 5

Position, 4.2 mm [.165 in] Centerline, Printed Circuit Board, UL 94V-2

[View on TE.com >](#)

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: **5**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	5
PCB Mount Orientation	Right Angle
Number of Power Positions	5
Number of Signal Positions	0
Number of Rows	1

**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	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	Nylon

#### Dimensions

Compatible Insulation Diameter (Max)	2.39 mm [2.39 in]
Connector Height	5.4 mm [.213 in]
PCB Thickness (Recommended)	.07 mm [1.78 in]
Product Width	12.45 mm [.49 in]
Product Length	22.2 mm [.874 in]
Compatible Insulation Diameter Range	1.2 – 3.1 mm [.047 – .122 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

## Agency/Standard

## CSA, UL

## Approved Standards

## UL E28476

## UL Flammability Rating

## UL 94V-2

## Glow Wire Rating

## Standard Part - Not Glow Wire

## Packaging Features

## Packaging Quantity

## 500

## Packaging Method

## Bag, Box &amp; 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: JUNE 2023 (235)

Candidate List Declared Against: JUNE 2023 (235)

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 240°C

## Product Compliance Disclaimer

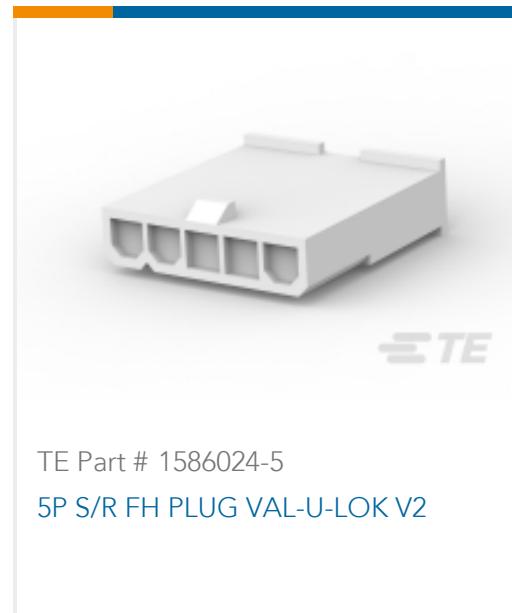
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 1586022-5  
5P S/R PM PLUG VAL-U-LOK V2



TE Part # 1586024-5  
5P S/R FH PLUG VAL-U-LOK V2

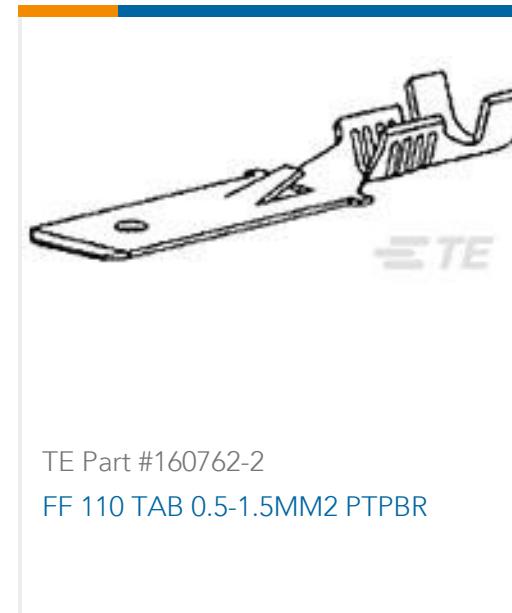
## Customers Also Bought



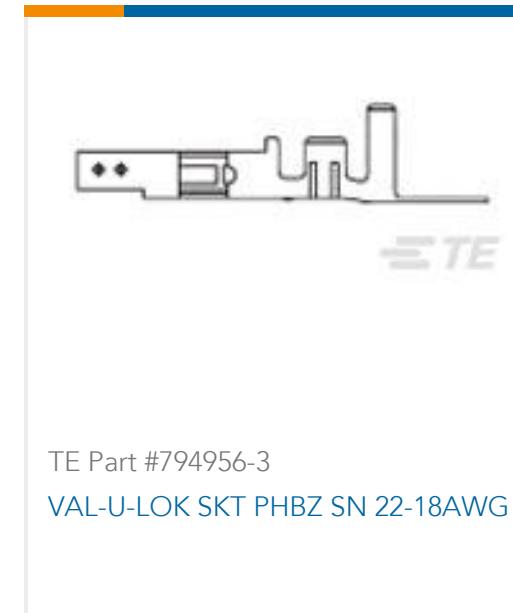
TE Part #1735482-1  
0.8FH,R17H.5,040,08/Sn,TR,SC



TE Part #1586105-3  
3P RCPT VAL-U-LOK SR V2



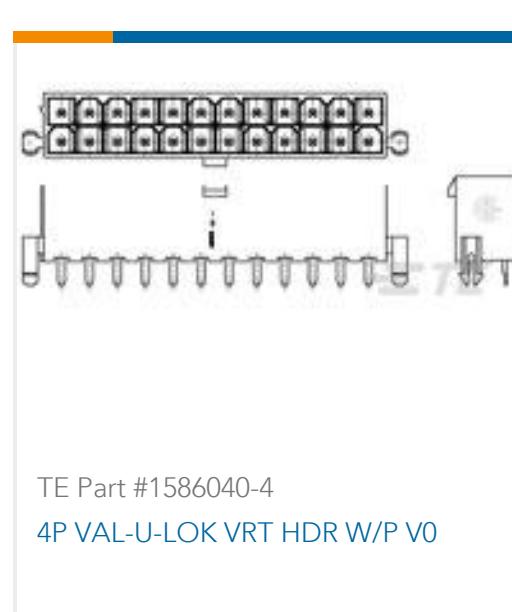
TE Part #160762-2  
FF 110 TAB 0.5-1.5MM2 PTPBR



TE Part #794956-3  
VAL-U-LOK SKT PHBZ SN 22-18AWG



TE Part #626065  
2 P FASTIN-ON 110 HOUSING TAB  
PA66 NAT



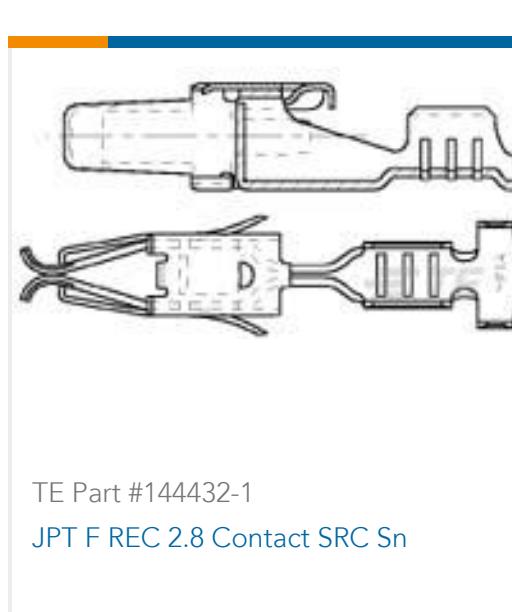
TE Part #1586040-4  
4P VAL-U-LOK VRT HDR W/P V0



TE Part #5-1393144-0  
K10P-11DT5-12=K10/K20



TE Part #1650106-1  
902-84-02113=SCREW,SHOULDER,#6-32



TE Part #144432-1  
JPT F REC 2.8 Contact SRC Sn



TE Part #1926854-1  
CONNECTOR, PIN, DOMINO

## Documents

### Product Drawings

[5P R/A HDR VAL-U-LOK V2 W/P](#)

English

**CAD Files**[3D PDF](#)

3D

**Customer View Model**[ENG\\_CVM\\_CVM\\_2029150-5\\_A\\_c-2029150-5-a.2d\\_dxf.zip](#)

English

**Customer View Model**[ENG\\_CVM\\_CVM\\_2029150-5\\_A\\_c-2029150-5-a.3d\\_igs.zip](#)

English

**Customer View Model**[ENG\\_CVM\\_CVM\\_2029150-5\\_A\\_c-2029150-5-a.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\\_SINGLE\\_ROW\\_HEADERS](#)

English

**Product Specifications**[Application Specification](#)

English

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

English