

2029058-4

✓ ACTIVE

## VAL-U-LOK

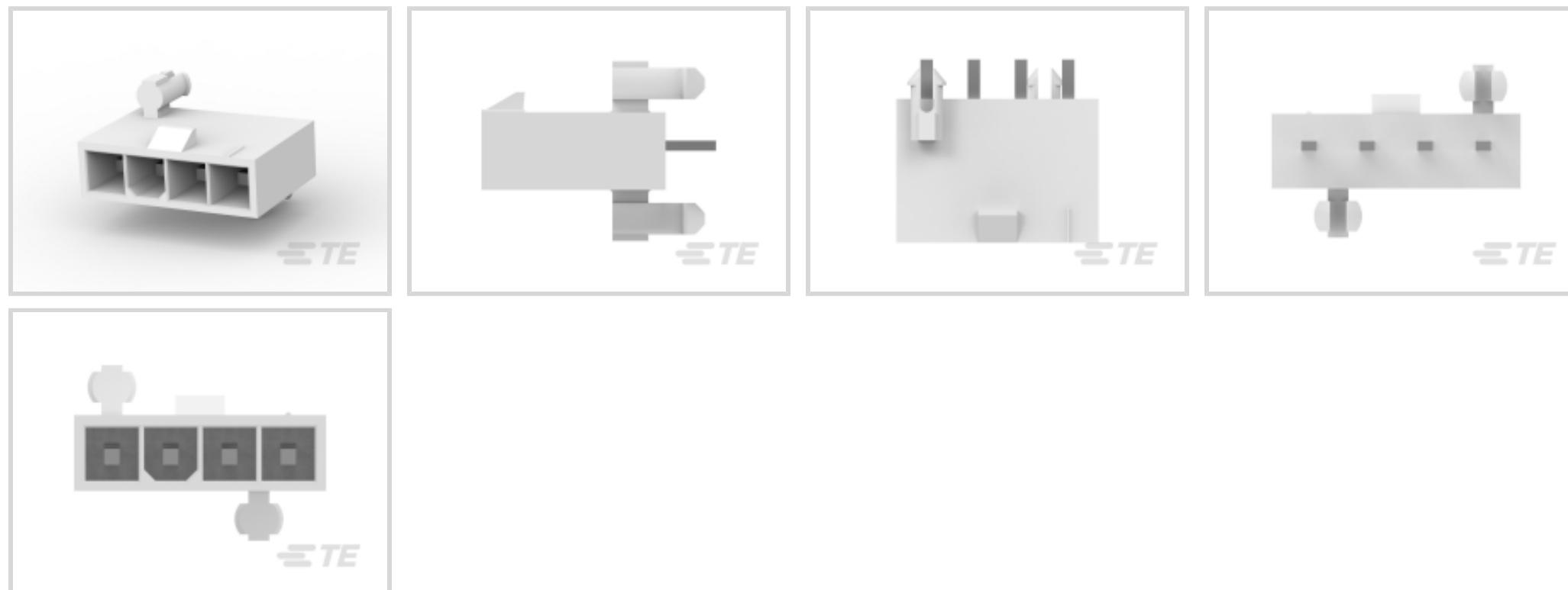
TE Internal #: 2029058-4

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

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: **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 Signal Positions	0
Number of Rows	1

**Electrical Characteristics**

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

**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
Contact Mating Area Plating Material Thickness	2.03 µm[80 µin]

#### 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	12.8 mm[.504 in]
PCB Thickness (Recommended)	.07 mm[1.78 in]
Product Width	5.4 mm[.213 in]
Product Length	18 mm[.709 in]
Compatible Insulation Diameter Range	1.2 – 3.1 mm[.047 – .122 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-2

Glow Wire Rating

Standard Part - Not Glow Wire

## Packaging Features

Packaging Quantity

1000

Packaging Method

Box &amp; Tray, Package

## 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: JAN 2021  
(211)

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

Wave solder capable to 240°C

### Product Compliance Disclaimer

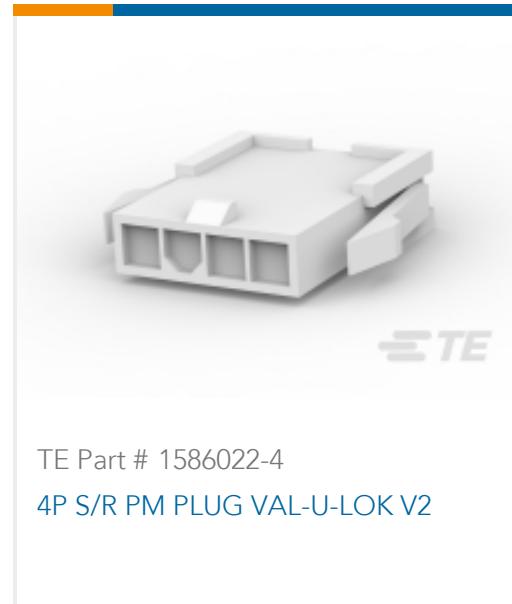
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

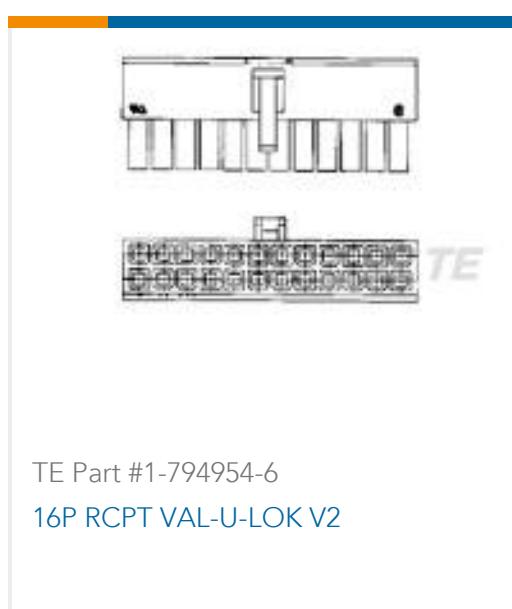


TE Part # 1586024-4  
4P S/R FH PLUG VAL-U-LOK V2

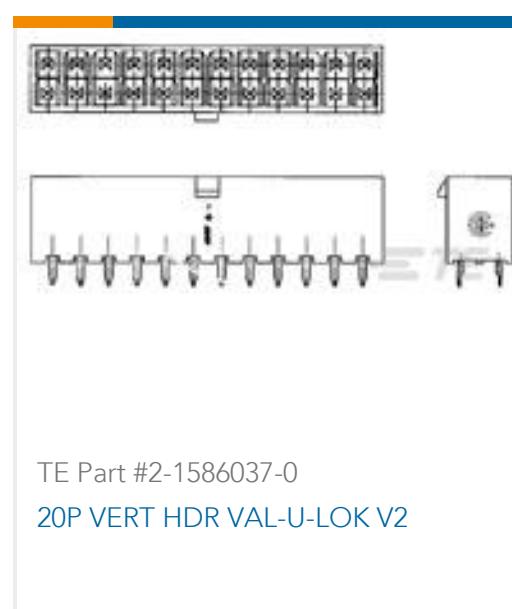


TE Part # 1586022-4  
4P S/R PM PLUG VAL-U-LOK V2

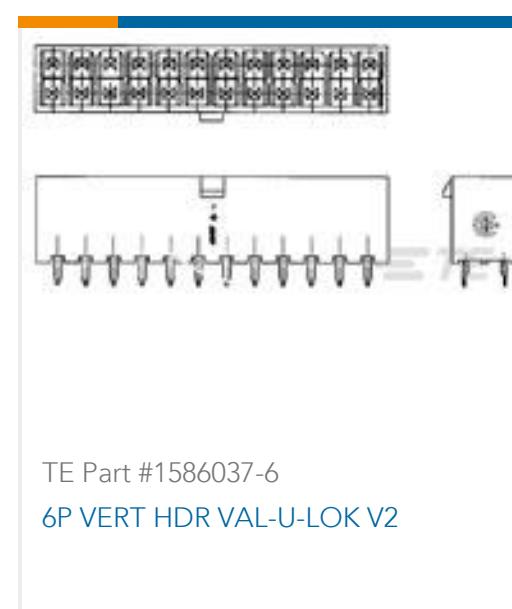
## Customers Also Bought



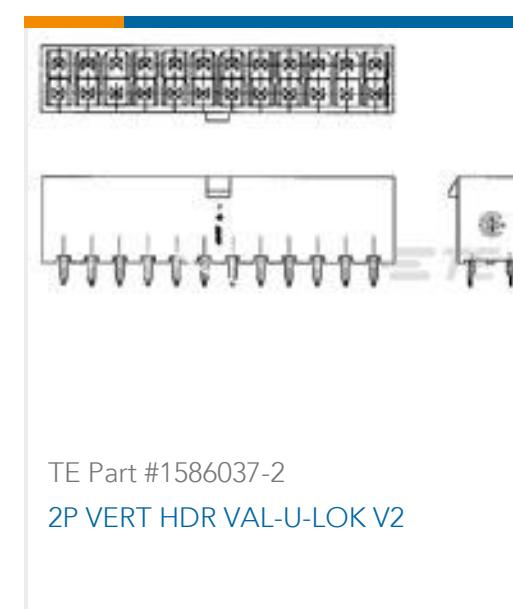
TE Part #1-794954-6  
16P RCPT VAL-U-LOK V2



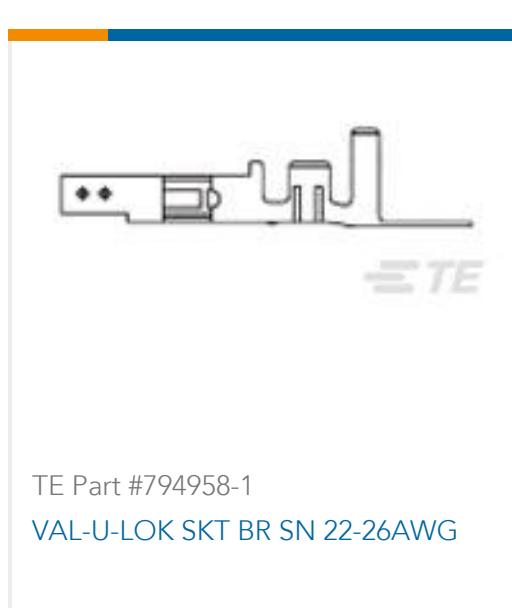
TE Part #2-1586037-0  
20P VERT HDR VAL-U-LOK V2



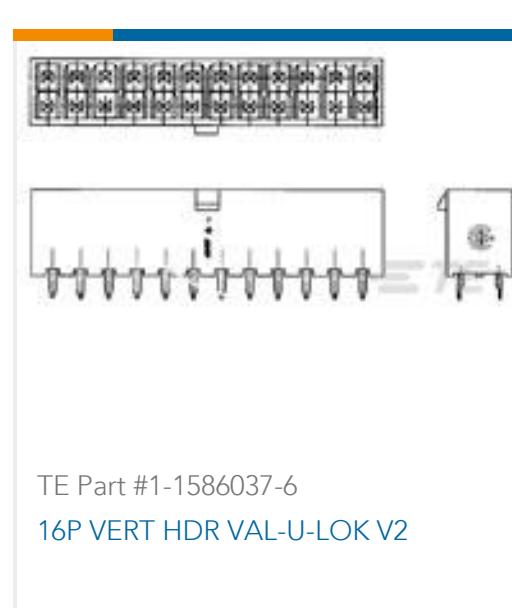
TE Part #1586037-6  
6P VERT HDR VAL-U-LOK V2



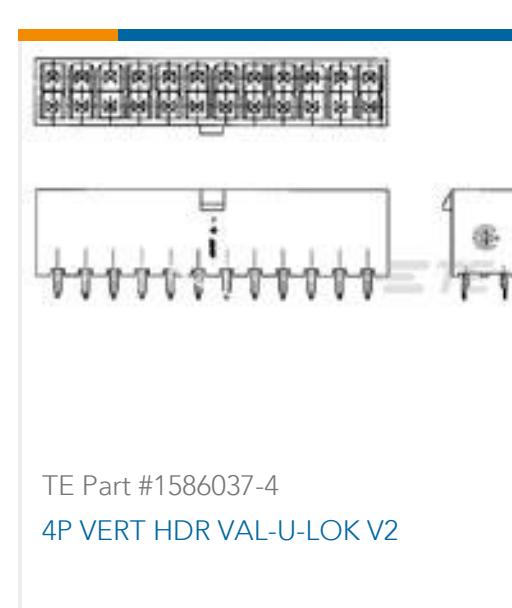
TE Part #1586037-2  
2P VERT HDR VAL-U-LOK V2



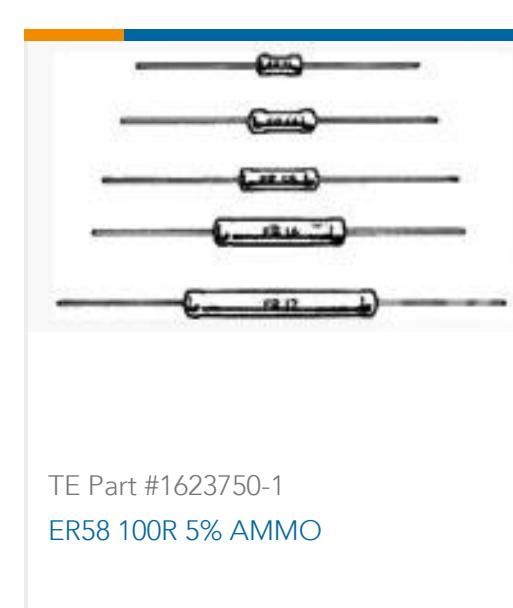
TE Part #794958-1  
VAL-U-LOK SKT BR SN 22-26AWG



TE Part #1-1586037-6  
16P VERT HDR VAL-U-LOK V2



TE Part #1586037-4  
4P VERT HDR VAL-U-LOK V2



TE Part #1623750-1  
ER58 100R 5% AMMO



TE Part #1625892-9  
3W SM M/OX 5% 100R



TE Part #3-1625892-7  
3W SM M/OX 5% 2K2

## Documents

### Product Drawings

[4P VAL-U-LOK SR HDR SN V2 WODH](#)

English

---

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

3D

**Customer View Model**[ENG\\_CVM\\_CVM\\_2029058-4\\_B\\_c-2029058-4-b.2d\\_dxf.zip](#)

English

**Customer View Model**[ENG\\_CVM\\_CVM\\_2029058-4\\_B\\_c-2029058-4-b.3d\\_igs.zip](#)

English

**Customer View Model**[ENG\\_CVM\\_CVM\\_2029058-4\\_B\\_c-2029058-4-b.3d\\_stp.zip](#)

English

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

---

**Datasheets & Catalog Pages**[SOFT\\_SHELL\\_PIN\\_AND\\_SOCKET\\_CONNECTORS\\_CATALOG](#)

English

[VAL-U-LOK\\_SINGLE\\_ROW\\_HEADERS](#)

English

---

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

English