

1586040-4 ✓ ACTIVE



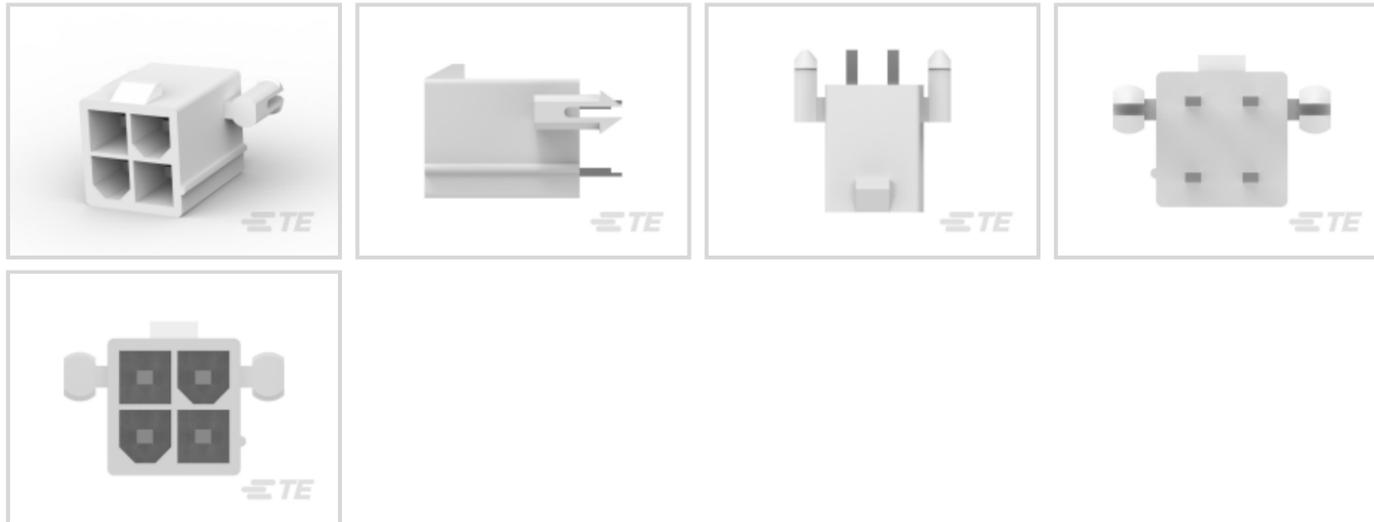
VAL-U-LOK

TE Internal #: 1586040-4

PCB Mount Header, Vertical, Wire-to-Board, 4 Position, 4.2 mm [.165 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, Power, Natural, Tray

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **4**

Number of Rows: **2**

Features

Electrical Characteristics

Operating Voltage	600 VAC
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Dimensions

Row-to-Row Spacing	4.2 mm[.165 in]
Connector Width	9.75 mm[.384 in]
PCB Thickness (Recommended)	1.78 mm[.07 in]
Connector Height	12.8 mm[.504 in]
Connector Length	9.6 mm[.378 in]

Packaging Features

Packaging Quantity	375
Packaging Method	Tray

Industry Standards

Compatible With Agency/Standards Products	UL, CSA
UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476



Glow Wire Rating	Standard Part - Not Glow Wire
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UL Flammability Rating	UL 94V-0
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Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
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Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
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Mechanical Attachment

Mating Retention Type	Locking Tab
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Mating Retention	With
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Mating Alignment Type	Keyed
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PCB Mount Retention Type	Boardlock
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PCB Mount Retention	With
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PCB Mount Alignment	Without
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Connector Mounting Type	Board Mount
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Mating Alignment	With
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Termination Features

Termination Post & Tail Length	3.5 mm[.138 in]
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Termination Method to PCB	Through Hole - Solder
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Contact Features

Contact Underplating Material	Nickel
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Contact Underplating Material Thickness	.381 μm[15 μin]
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Contact Mating Area Plating Material Thickness	2.03 μm[80 μin]
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PCB Contact Termination Area Plating Material Thickness	2.03 μm[80 μin]
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Contact Layout	Matrix
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Contact Base Material	Brass Alloy
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PCB Contact Termination Area Plating Material	Tin
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Contact Mating Area Plating Material	Tin
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Contact Type	Tab
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Contact Current Rating (Max)	9 A
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Housing Features

Housing Material	Nylon
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Centerline (Pitch)	4.2 mm[.165 in]
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Configuration Features



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

Product Type Features

Connector Shape	Rectangular
PCB Connector Assembly Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Body Features

Primary Product Color	Natural
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Operation/Application

Circuit Application	Power
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 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



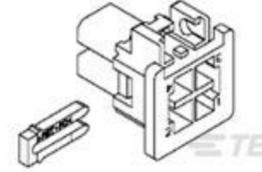
TE Part # 1969612-4
4P FH PLUG VAL-U-LOK V0



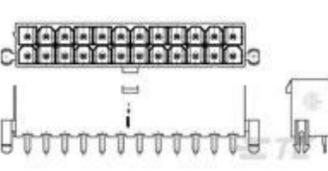
TE Part # 1969613-4
4P PM PLUG VAL-U-LOK V0



TE Part # 1586019-4
4P RCPT VAL-U-LOK V0



TE Part # 794318-1
AMP DUAC/PL 04P KIT BULK PKG

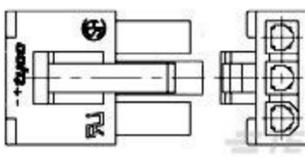


TE Part # 2029172-4
4P VRT HDR VAL-U-LOK V2 W/ODH

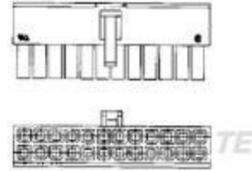
Customers Also Bought



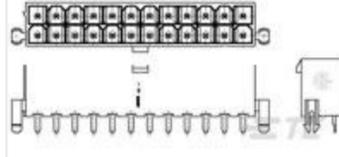
TE Part #2-1393210-0
T9AS1D12-5



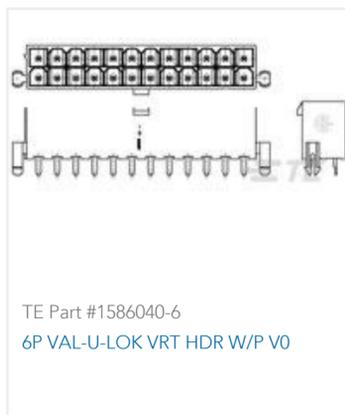
TE Part #1586106-3
3P RCPT VAL-U-LOK SR V0



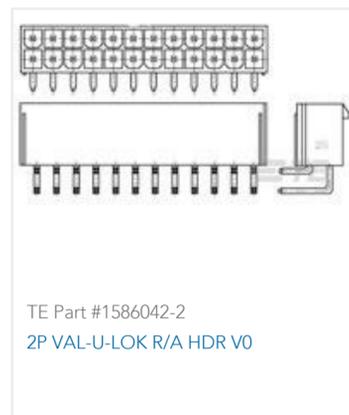
TE Part #1586019-2
2P RCPT VAL-U-LOK V0



TE Part #1586040-2
2P VAL-U-LOK VRT HDR W/P V0



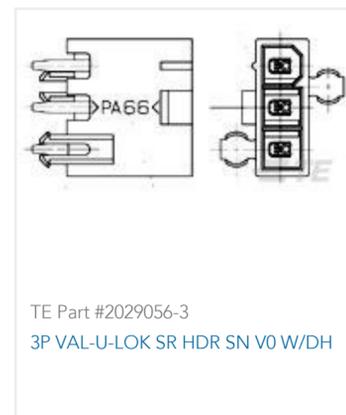
TE Part #1586040-6
6P VAL-U-LOK VRT HDR W/P V0



TE Part #1586042-2
2P VAL-U-LOK R/A HDR V0



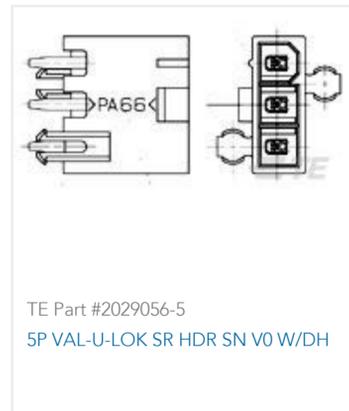
TE Part #1-1625999-8
HSC100 220R 5%



TE Part #2029056-3
3P VAL-U-LOK SR HDR SN V0 W/DH



TE Part #2176185-9
CRGH0805 1% 2K2 0.33W



TE Part #2029056-5
5P VAL-U-LOK SR HDR SN V0 W/DH

Documents

Product Drawings

[4P VAL-U-LOK VRT HDR W/P V0](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1586040-4_B8.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1586040-4_B8.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1586040-4_B8.3d_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

Product Specifications

[Application Specification](#)

English

Instruction Sheets

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



English

[Agency Approvals](#)

[UL Report](#)

English