2029056-4 ✔ ACTIVE

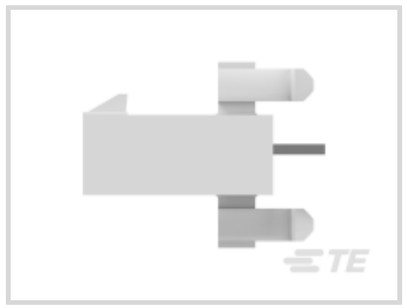
VAL-U-LOK

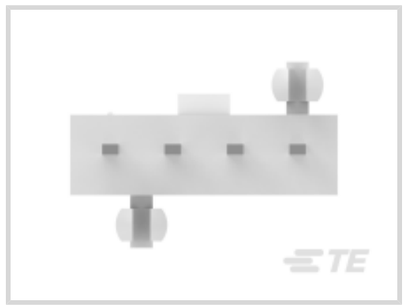
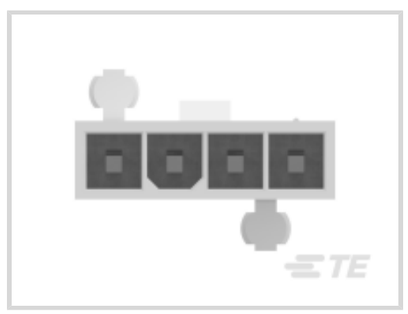
TE Internal #: 2029056-4

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 4 Position, 4.2 mm [.165 in] Centerline, Printed Circuit Board, UL 94V-0

View on TE.com >

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	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	80 µm[2.03 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
Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	1000
Packaging Method	Box & Tray, Package

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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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	Not applicable for solder process capability

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 # 1586025-4
4P S/R FH PLUG VAL-U-LOK V0

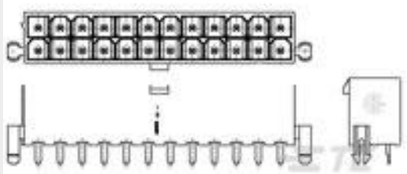


TE Part # 1586023-4
4P S/R PM PLUG VAL-U-LOK V0

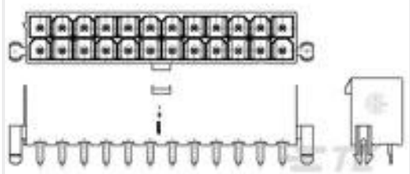
Customers Also Bought



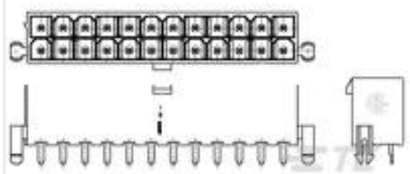
TE Part # 1-1744418-4
14 POS EP 2.5 HDR, GLOW WIRE



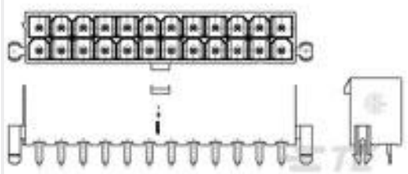
TE Part # 1586040-2
2P VAL-U-LOK VRT HDR W/P V0



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



TE Part # 1-1586040-4
14P VAL-U-LOK VRT HDR W/P V0



TE Part # 1-1586040-0
10P VAL-U-LOK VRT HDR W/P V0

TE Part # 1-2029138-0
10P VERT HDR VAL-U-LOK V0 RED

TE Part # 2029134-4
4P VERT HDR VAL-U-LOK V0 BLK

TE Part # 2029134-6
6P VERT HDR VAL-U-LOK V0 BLK

TE Part # 2029138-6
6P VERT HDR VAL-U-LOK V0 RED

TE Part # 2029142-6
6P VERT HDR VAL-U-LOK V0 BLU

Documents

Product Drawings

4P VAL-U-LOK SR HDR SN V0 W/DH

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2029056-4_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2029056-4_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2029056-4_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

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English