2029265-8 ✔ ACTIVE

VAL-U-LOK

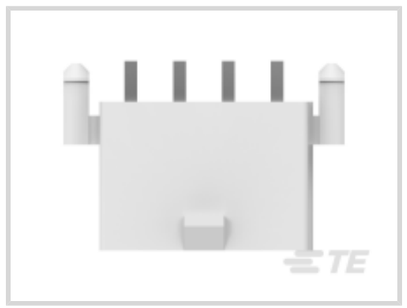
TE Internal #: 2029265-8

PCB Mount Header, Vertical, Wire-to-Board, 8 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







EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

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

PCB Mount Orientation: **Vertical**

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

Features

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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

Configuration Features

Number of Loaded Positions	8
Number of Power Positions	8
PCB Mount Orientation	Vertical
Number of Positions	8

Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VAC

Body Features

Primary Product Color	Natural

Contact Features

Contact Layout	Matrix
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin
Contact Type	Tab
Contact Current Rating (Max)	9 A

Termination Features

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

Mechanical Attachment

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

Housing Features

Housing Material	Polyamide
Centerline (Pitch)	4.2 mm[.165 in]

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	18 mm[.71 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

Compatible With Agency/Standards Products	UL, CSA
UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476
Glow Wire Rating	GWT 750°C (Without Flame)
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	255
Packaging Method	Tray

Product Compliance

For compliance documentation, visit the product page on TE.com>

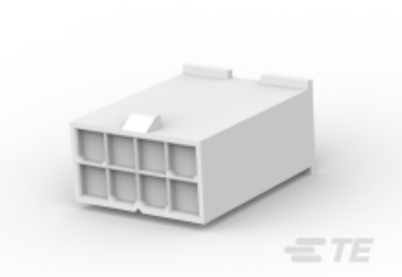
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does 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 # 1586862-8
8P FH PLUG VAL-U-LOK FH GW



TE Part # 1586861-8
8P PM PLUG VAL-U-LOK PM GW

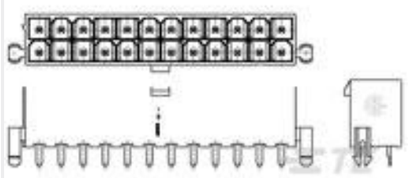


TE Part # 2296206-8
8P FH PLUG VAL-U-LOK FH GWT/V0

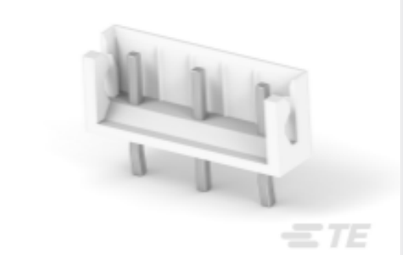


TE Part # 2296207-8
8P PM PLUG VAL-U-LOK PM GWT/V0

Customers Also Bought



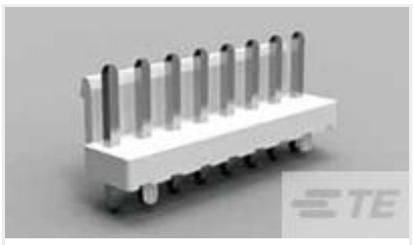
TE Part #2029265-2
2P VAL-U-LOK VRTHDR W/PGS GW



TE Part #4-440052-5
2.5MM,HDR,5POS,VERTICAL, CONNECTOR



TE Part #1971845-8
8P, RAST 5 Tab Header, THV



TE Part #1744429-8
3.96 EP HDR ASSY 8P W/PEGS, GW



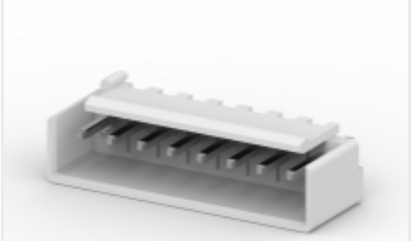
TE Part #2-1717011-4
EP CONN.HDR ASSY 4/5P NATURAL (NO.3 POST



TE Part #2-1971845-4
4P, RAST 5 Tab Header, THV



TE Part #2-2322950-5
5P, RAST 5 TAB HEADER SELEC, THV, OPP



TE Part #2309279-8
08P EP SHRD HDR ASY,NO 7 PIN, WHITE



TE Part #2322950-4
4P, RAST 5 TAB HEADER SELEC, THV, OPP

Documents

Product Drawings

8P VAL-U-LOK VRTHDR W/PGS GW

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2029265-8_D_c-2029265-8-d.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2029265-8_D_c-2029265-8-d.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2029265-8_D_c-2029265-8-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

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

UL Report

English