



TE Internal #: 1-2825272-6

PCB Mount Header, Vertical, Wire-to-Board, 16 Position, 4.2 mm [.165 in] Centerline, Fully Shrouded, Tin (Sn), Through Hole - Solder, Power, White

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **16**

Number of Rows: **2**

Features

Product Type Features

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

Configuration Features

Number of Loaded Positions	16
Number of Power Positions	16
PCB Mount Orientation	Vertical
Number of Positions	16
Number of Rows	2

Electrical Characteristics

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Operating Voltage	600 VAC
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Body Features

Primary Product Color	White
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Contact Features

Contact Underplating Material	Nickel
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Contact Underplating Material Thickness	.762 μ m[30 μ in]
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Contact Mating Area Plating Material Thickness	2.03 μ m[80 μ in]
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PCB Contact Termination Area Plating Material Thickness	2.03 μ m[80 μ in]
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Contact Layout	Matrix
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Contact Base Material	Copper Alloy
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PCB Contact Termination Area Plating Material	Tin
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Contact Mating Area Plating Material	Tin (Sn)
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Contact Type	Tab
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Contact Current Rating (Max)	9 A
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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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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	Without
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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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Housing Features

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

Row-to-Row Spacing	4.2 mm[.165 in]
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Connector Width	9.75 mm[.384 in]
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PCB Thickness (Recommended)	1.6 mm[.063 in]
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Connector Height	12.8 mm[.504 in]
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Connector Length	34.8 mm[1.37 in]
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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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Operation/Application

Shielded	No
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Circuit Application	Power
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Industry Standards

Compatible With Agency/Standards Products	CSA, UL
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UL Rating	Recognized
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Compatible With Approved Standards Products	UL E28476
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Glow Wire Rating	Glow Wire
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UL Flammability Rating	UL 94V-2
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Packaging Features

Packaging Quantity	165
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Packaging Method	Bag
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Not Yet Reviewed
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2019 (197) Does not contain REACH SVHC
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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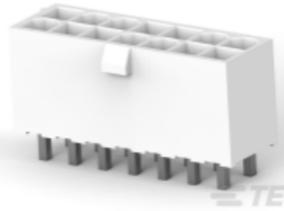
Solder Process Capability	Not reviewed for solder process capability
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Product Compliance Disclaimer

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



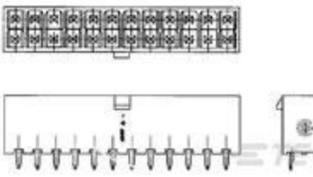
TE Part # 1-2825272-4
14P VERT HDR VAL-U-LOK HCS GW



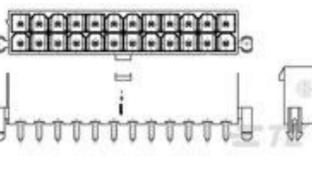
TE Part # 1-2825272-8
18P VERT HDR VAL-U-LOK HCS GW



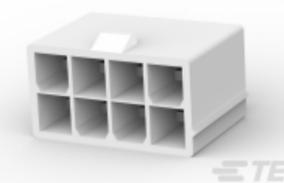
TE Part # 2-2825272-0
20P VERT HDR VAL-U-LOK HCS GW



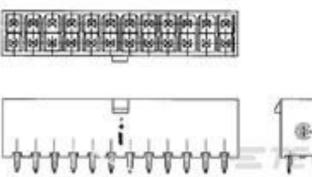
TE Part # 2-1586768-2
22P VERT HDR VAL-U-LOK GW



TE Part # 1-2029172-6
16P VRT HDR VAL-U-LOK V2 W/ODH



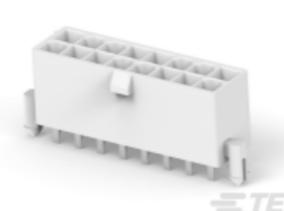
TE Part # 1586768-8
8P VERT HDR VAL-U-LOK GW



TE Part # 1-1586768-6
16P VERT HDR VAL-U-LOK GW



TE Part # 1-1586863-6
16P VAL-U-LOK R/A HDR GW



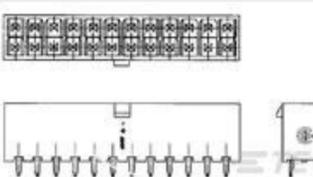
TE Part # 1-2029059-6
16P VAL-U-LOK VRTHDR W/PGS GW



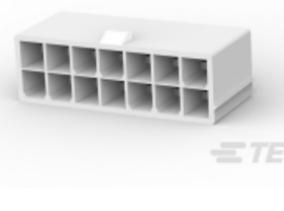
TE Part # 2825272-8
8P VERT HDR VAL-U-LOK HCS GW



TE Part # 2-2825272-2
22P VERT HDR VAL-U-LOK HCS GW



TE Part # 1-1586768-8
18P VERT HDR VAL-U-LOK GW



TE Part # 1-1586768-4
14P VERT HDR VAL-U-LOK GW

Customers Also Bought



Documents

Product Drawings

16P VERT HDR VAL-U-LOK HCS GW

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1-2825272-6_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2825272-6_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2825272-6_A.3d_stp.zip](#)

English

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

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

UL

1-2825272-6

PCB Mount Header, Vertical, Wire-to-Board, 16 Position, 4.2 mm [.165 in] Centerline,
Fully Shrouded, Tin (Sn), Through Hole - Solder, Power, White



English