2825272-6 ✔ ACTIVE

TE Internal #: 2825272-6

PCB Mount Header, Vertical, Wire-to-Board, 6 Position, 4.2 mm [.165 in] Centerline, Fully Shrouded, Tin (Sn), Through Hole - Solder, Power, White, Bag

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: **6**

Centerline (Pitch): **4.2 mm [.165 in]**

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	6
PCB Mount Orientation	Vertical
Number of Positions	6
Number of Rows	2
Number of Power Positions	6

Electrical Characteristics

Operating Voltage	600 VAC

Body Features

Primary Product Color	White

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	.762 µm[30 µin]
PCB Contact Termination Area Plating Material Thickness	2.032 µm[80 µin]
Contact Layout	Matrix
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Tin (Sn)
Contact Mating Area Plating Material Thickness	2.032 µm[80 µin]
Contact Type	Tab
Contact Current Rating (Max)	9 A
PCB Contact Termination Area Plating Material	Tin

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

Housing Features

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

Dimensions

Row-to-Row Spacing	4.2 mm[.165 in]
Connector Width	9.75 mm[.384 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]

Connector Height	12.8 mm[.504 in]
Connector Length	13.8 mm[.543 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	CSA, UL
UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476
Glow Wire Rating	GWT 750°C (Without Flame)
UL Flammability Rating	UL 94V-2

Packaging Features

Packaging Quantity	315
Packaging Method	Bag

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	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not reviewed 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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Part # 1-2825260-0
10P VRT HDR VAL-U-LOK HCS V0



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



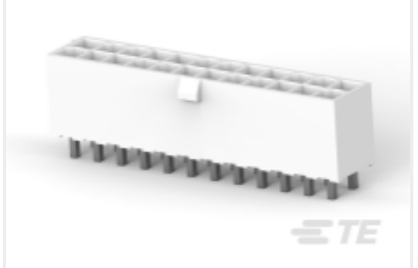
TE Part # 2825272-4
4P VERT HDR VAL-U-LOK HCS GW



TE Part # 1-2825260-8
18P VRT HDR VAL-U-LOK HCS V0



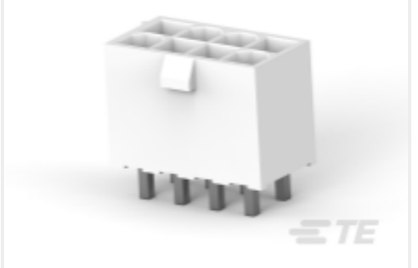
TE Part # 1-2825272-2
12P VERT HDR VAL-U-LOK HCS GW



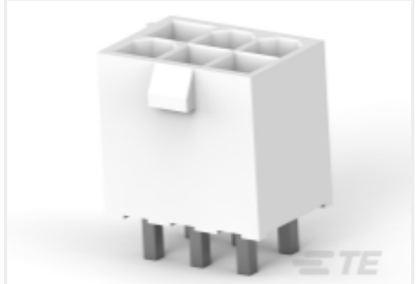
TE Part # 2-2825272-4
24P VERT HDR VAL-U-LOK HCS GW



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



TE Part # 2825260-8
8P VRT HDR VAL-U-LOK HCS V0



TE Part # 2825260-6
6P VRT HDR VAL-U-LOK HCS V0



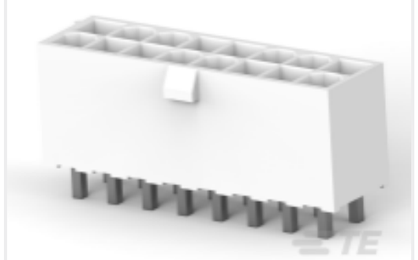
TE Part # 1586019-6
6P RCPT VAL-U-LOK V0



TE Part # 1-2825272-0
10P VERT HDR VAL-U-LOK HCS GW



TE Part # 1586765-6
6P RCPT VAL-U-LOK GW



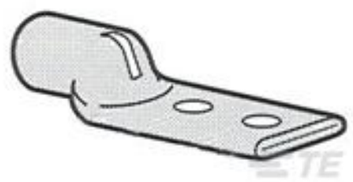
TE Part # 1-2825260-6
16P VRT HDR VAL-U-LOK HCS V0

Customers Also Bought



TE Part #ASA158F12390235000
623 PLUG

TE Part #EC9833-000
ZHD-SCE-3.2-50-S1-4



TE Part #55992-1
TERMINAL,AMPOWER R 2/0 5/16



TE Part #1-1415543-5
RTE44110



TE Part #1614770-4
BDS 2 A 250 10R 10%



TE Part #ZPF000000000205378
CONTACT MALE ANG.90, CAL20, 120MM2 - FXP



TE Part #ZPF000000000205388
CONTACT FEMALE CAL.20, M12 - FXP



TE Part #ZPF000000000205373
PLUG MALE ANG.90 CAL.20 - FXP



TE Part #ZPF000000000136485
RECEPTACLE MALE FOR 12 PINS, CAL1,6



TE Part #YZ-KC-212751A-PY00
TOOL DISMOUNTING - FXP2

Documents

Product Drawings

6P VERT HDR VAL-U-LOK HCS GW

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2825272-6_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2825272-6_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2825272-6_A.3d_stp.zip

English

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Agency Approvals

VDE Certificate

English