TE Internal #: 1-2825261-0

PCB Mount Header, Vertical, Wire-to-Board, 10 Position, 4.2 mm [.

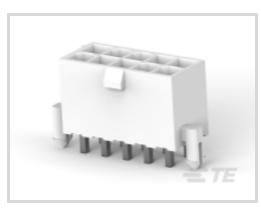
165 in] Centerline, Fully Shrouded, Tin (Sn), Through Hole - Solder,

Power, Natural

View on TE.com >

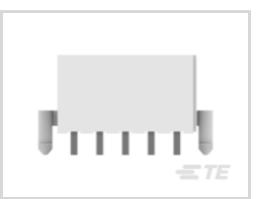


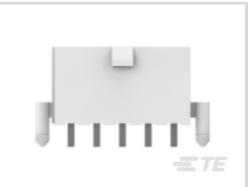
Connectors > PCB Connectors > PCB Headers & Receptacles











PCB Connector Type: PCB Mount Header

PCB Mount Orientation: Vertical
Connector System: Wire-to-Board

Number of Positions: 10

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	10
Number of Power Positions	10
PCB Mount Orientation	Vertical
Number of Positions	10
Number of Rows	2



Operating Voltage	600 VAC
Body Features	
Primary Product Color	Natural
Contact Features	
Contact Underplating Material	Nickel
Contact Underplating Material Thickness	.762 μm[30 μin]
Contact Mating Area Plating Material Thickness	2.03 μm[80 μin]
PCB Contact Termination Area Plating Material Thickness	2.03 μm[80 μin]
Contact Layout	Matrix
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin (Sn)
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	Nylon
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	22.2 mm[.874 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	Standard Part - Not Glow Wire
Glow Wire Rating UL Flammability Rating	Standard Part - Not Glow Wire UL 94V-0
UL Flammability Rating	

Product Compliance

Packaging Method

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

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Out of Scope
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 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

Tray

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-onreach

Compatible Parts



TE Part # 2-2825261-0 20P VAL-U-LOK HCS VRT HDR W/P V0



TE Part # 2825261-8 8P VAL-U-LOK HCS VRT HDR W/P V0



TE Part # 2-2825261-4 24P VAL-U-LOK HCS VRT HDR W/P V0



TE Part # 1-2825274-0 10P VAL-U-LOK HCS VRTHDR W/PGS GW



TE Part # 1-2825261-6 16P VAL-U-LOK HCS VRT HDR W/P V0



TE Part # 2825261-6 6P VAL-U-LOK HCS VRT HDR W/P V0

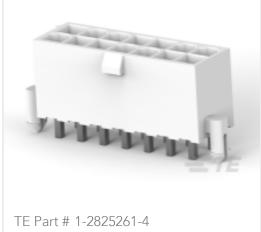


TE Part # 2825261-2 2P VAL-U-LOK HCS VRT HDR W/P V0



TE Part # 2825261-4 4P VAL-U-LOK HCS VRT HDR W/P V0





14P VAL-U-LOK HCS VRT HDR W/P V0



10P VAL-U-LOK VRT HDR W/P V0



Customers Also Bought





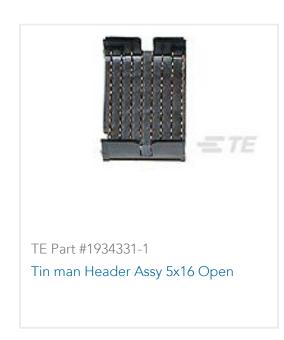
SW PIR HDR BFP, 85OHM, 8X8 OEW





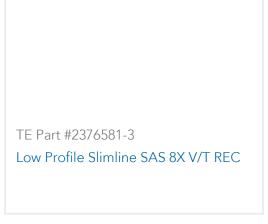
PCB Mount Header, Vertical, Wire-to-Board, 10 Position, 4.2 mm [.165 in] Centerline, Fully Shrouded, Tin (Sn), Through Hole - Solder, Power, Natural















Documents

Product Drawings

10P VAL-U-LOK HCS VRT HDR W/P V0

English

10P VAL-U-LOK HCS VRT HDR W/P V0

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2825261-0_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2825261-0_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2825261-0_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

PCB Mount Header, Vertical, Wire-to-Board, 10 Position, 4.2 mm [.165 in] Centerline, Fully Shrouded, Tin (Sn), Through Hole - Solder, Power, Natural



Agency Approvals

UL

English