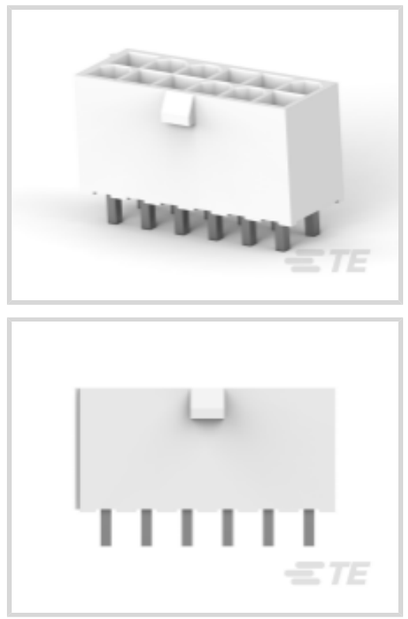
1-2825260-2 ✔ ACTIVE

TE Internal #: 1-2825260-2

PCB Mount Header, Vertical, Wire-to-Board, 12 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



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

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

Number of Positions: **12**

Number of Rows: **2**

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

Features

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 Power Positions	12
Number of Loaded Positions	12
Number of Positions	12
Number of Rows	2
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	600 VAC

Body Features

Primary Product Color	Natural

Contact Features

PCB Contact Termination Area Plating Material Thickness	2.03 µm[80 µin]
Contact Layout	Matrix
Contact Underplating Material Thickness	.762 µm[30 µin]
Contact Mating Area Plating Material Thickness	2.03 µm[80 µin]
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
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 Alignment Type	Keyed
Mating Retention	With
Mating Retention Type	Locking Tab
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	Without

Housing Features

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

Dimensions

Connector Length	26.4 mm[1.039 in]
Connector Height	12.8 mm[.504 in]
Connector Width	9.75 mm[.384 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]

Row-to-Row Spacing	4.2 mm[.165 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

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

Packaging Features

Packaging Quantity	225
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	Not Yet Reviewed
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 2022 (224) 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 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 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 # 2-2825260-4
24P VRT HDR VAL-U-LOK HCS V0



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



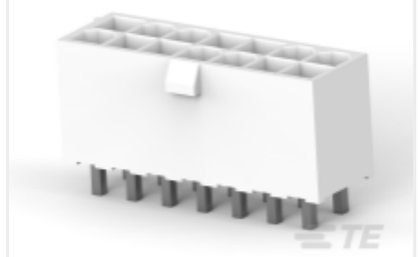
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2P VRT HDR VAL-U-LOK HCS V0



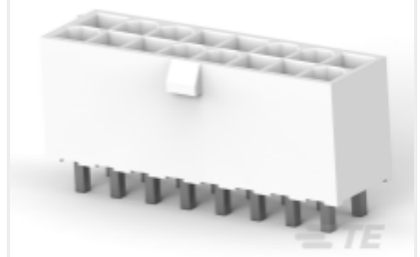
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2P VERT HDR VAL-U-LOK HCS GW



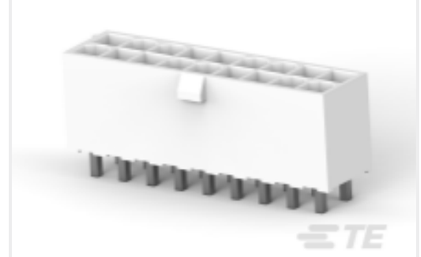
TE Part # 1-2825260-0
10P VRT HDR VAL-U-LOK HCS V0



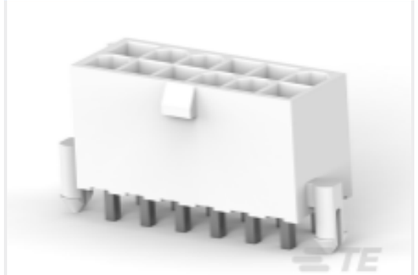
TE Part # 1-2825260-4
14P VRT HDR VAL-U-LOK HCS V0



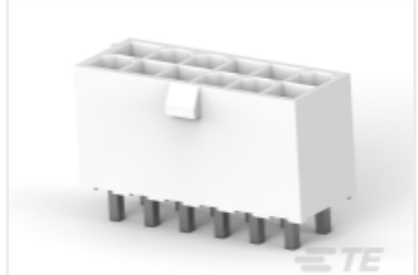
TE Part # 1-2825260-6
16P VRT HDR VAL-U-LOK HCS V0



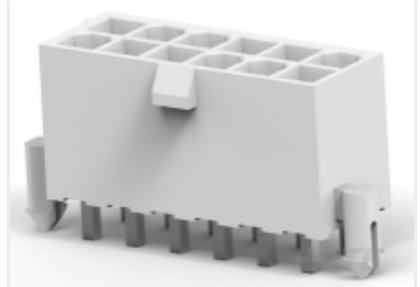
TE Part # 1-2825260-8
18P VRT HDR VAL-U-LOK HCS V0



TE Part # 1-2825261-2
12P VAL-U-LOK HCS VRT HDR W/P V0



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



TE Part # 1-2825274-2
12P VAL-U-LOK HCS VRTHDR W/PGS GW



TE Part # 2-2825260-0
20P VRT HDR VAL-U-LOK HCS V0



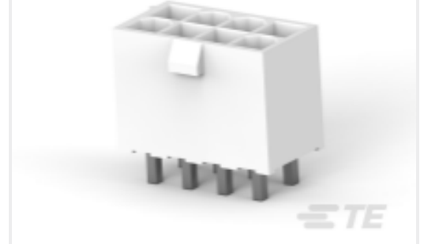
TE Part # 2-2825260-2
22P VRT HDR VAL-U-LOK HCS V0



TE Part # 2825260-4
4P VRT HDR VAL-U-LOK HCS V0



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

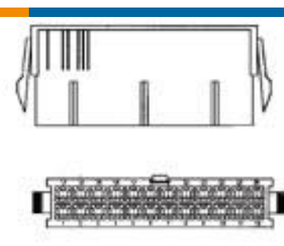


TE Part # 2825260-8
8P VRT HDR VAL-U-LOK HCS V0



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

Customers Also Bought



TE Part #1-794953-2
12P PM PLUG VAL-U-LOK V2

Documents

Product Drawings

12P VRT HDR VAL-U-LOK HCS V0

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2825260-2_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2825260-2_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2825260-2_A.3d_stp.zip

English

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Agency Approvals

UL

English

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Global Electronic Components Distributor

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TE Connectivity:

ROX05SJ18R 2310537-1 2380312-2 2834055-1 650075-000 1393431-1 SMW73R0JT 2005330-1 1-794222-0 141991-2 175977-2 1903112-2 1969656-1 TE50BR39J RH73H2A40MKTN SBCHE154R7K 2-292161-3 2377783-2 3430B2F51RTDF MPT100C18RF U5254-000005-030PA 3-1393225-0 CRGCQ2010J3K3 1-962915-1 3631B101LL CPF0402B37K4E1 SBCHE64R7K 1743455-2 917696-1 936348-1