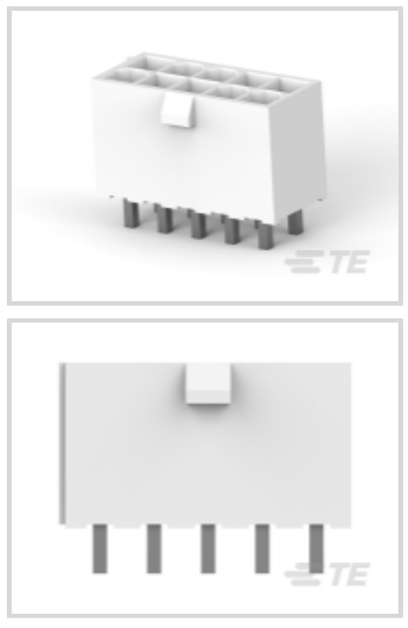
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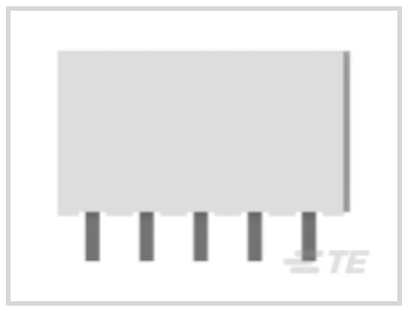
TE Internal #: 1-2825272-0

Header, Plug, Wire-to-Board, 10 Position, 4.2 mm [.165 in] Centerline, Printed Circuit Board, UL 94V-2, Rectangular Power Connectors

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

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

Number of Positions: **10**

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

Features

Product Type Features

Rectangular Power Connector Type	Header
Connector & Housing Type	Plug
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	10
PCB Mount Orientation	Vertical
Number of Power Positions	0
Number of Signal Positions	10
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VAC

Contact Features

Contact Layout	Inline, Matrix
Contact Mating Area Plating Material	Tin
Contact Base Material	Brass
Contact Current Rating (Max)	13 A
Contact Retention Within Housing	With
Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	2.032 µm[80 µin]

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

Housing Features

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

Dimensions

Compatible Insulation Diameter (Max)	2.39 mm
Connector Height	12.8 mm[.504 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Product Width	9.75 mm[.383 in]
Product Length	22.2 mm[.874 in]
Compatible Insulation Diameter Range	1.2 – 3.1 mm[.047 – .122 in]
Wire Size	.12 – 1.4 mm^2
Row-to-Row Spacing	4.2 mm[.165 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power

Identification Marking

Circuit Identification Feature	With

Industry Standards

CSA Rating	208567
UL Rating	Recognized
Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-2
Glow Wire Rating	GWT 750°C (Without Flame)

Packaging Features

Packaging Quantity	255
Packaging Method	Box & Tray, Tray

Product Compliance

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

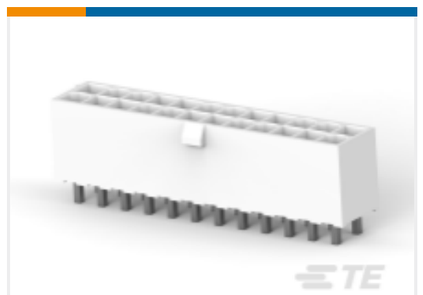
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JAN 2019 (197) 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



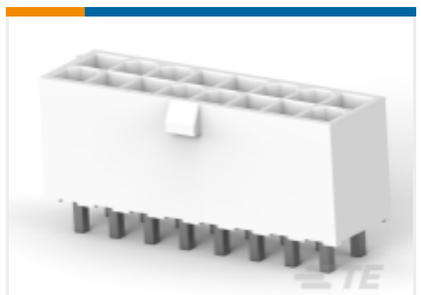
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24P VERT HDR VAL-U-LOK HCS GW



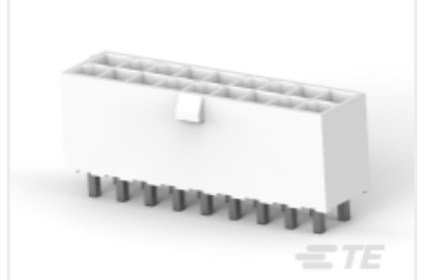
TE Part # 2825272-2
2P VERT HDR VAL-U-LOK HCS GW



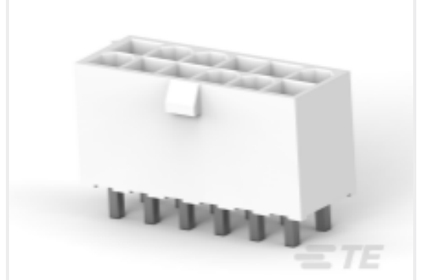
TE Part # 1-2825260-0
10P VRT HDR VAL-U-LOK HCS V0



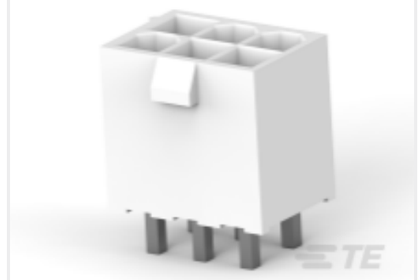
TE Part # 1-2825260-6
16P VRT HDR VAL-U-LOK HCS V0



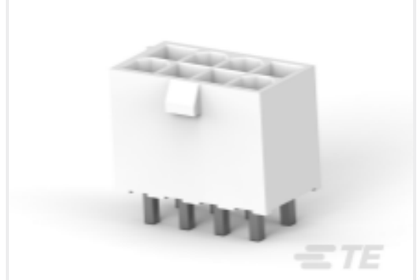
TE Part # 1-2825260-8
18P VRT HDR VAL-U-LOK HCS V0



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



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



TE Part # 2825272-6
6P VERT HDR VAL-U-LOK HCS GW

Customers Also Bought



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

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



TE Part #1-1415543-5
RTE44110



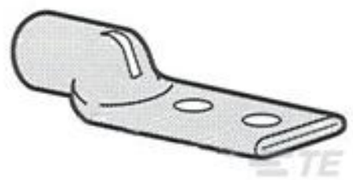
TE Part #ASA158F12390235000
623 PLUG



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



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



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



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



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

Documents

Product Drawings

10P VERT HDR VAL-U-LOK HCS GW

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2825272-0_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2825272-0_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2825272-0_A.3d_stp.zip

English

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Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

UL

English

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

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