2825261-6 ✔ ACTIVE

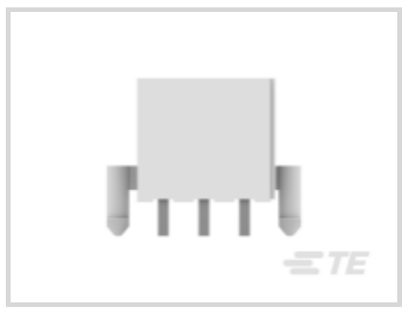
TE Internal #: 2825261-6

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 6 Position, 4.2mm [.165in] Centerline, Printed Circuit Board, UL 94V-0

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: **6**

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

Features

Product Type Features

Header Type	Shrouded
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	6
PCB Mount Orientation	Vertical
Number of Power Positions	0
Number of Signal Positions	0
Number of Rows	2

Electrical Characteristics

Operating Voltage	600 VAC

Contact Features

Contact Layout	Inline
Contact Current Rating (Max)	13 A
Contact Retention Within Housing	Without
Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin
Contact Mating 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 Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Keyed
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	With
PCB Mount Retention Type	Boardlock
Connector Mounting Type	Board Mount
Mating Retention	With
Mating Retention Type	Latch

Housing Features

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

Dimensions

Wire Size	.12 – 1.4 mm^2
Row-to-Row Spacing	4.2 mm[.165 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Width	9.8 mm[.386 in]
Accepts Wire Insulation Diameter Range	1.2 – 3.1 mm[.047 – .122 in]
Height	12.8 mm[.504 in]
Length	13.8 mm[.543 in]

Usage Conditions

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

Operation/Application

Circuit Application	Signal

Identification Marking

Circuit Identification Feature	With

Industry Standards

UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire
Agency/Standard Number	E28476
Agency/Standard	CSA, UL
UL Rating	Recognized
CSA File Number	208567

Packaging Features

Packaging Method	Box & Tray, Tray
Packaging Quantity	300

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: JAN 2021 (211) Candidate List Declared Against: JUN 2020 (209) SVHC > Threshold: Not Yet Reviewed
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

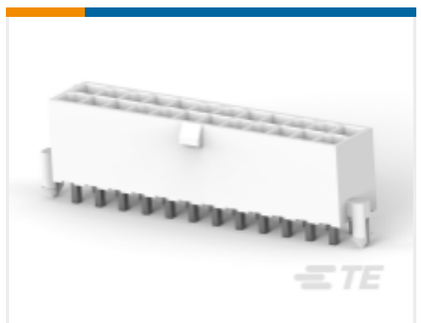
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 2-2825261-0
20P 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 # 2825261-2
2P 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 # 1586040-6
6P VAL-U-LOK VRT HDR W/P V0



TE Part # 1-2825261-0
10P VAL-U-LOK HCS VRT HDR W/P V0



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



TE Part # 1-2825261-4
14P VAL-U-LOK HCS VRT HDR W/P V0



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



TE Part # 1-2825261-8
18P VAL-U-LOK HCS VRT HDR W/P V0



TE Part # 2-2825261-2
22P VAL-U-LOK HCS VRT HDR W/P V0



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

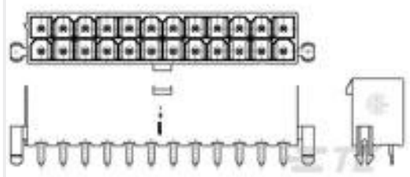


TE Part # 2825274-6
6P VAL-U-LOK HCS VRTHDR W/PGS GW

Customers Also Bought



TE Part #292174-9
AMP COMMON TERMINATION HEADERS



TE Part #2-1586040-0
20P VAL-U-LOK VRT HDR W/P V0



TE Part #5-1415393-1
RTD3L012



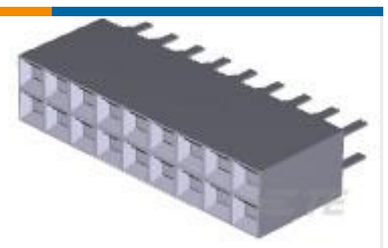
TE Part #4-2337939-4
PCIE GEN4 CON,SMT,164POS,15u", MYLAR,HT



TE Part #6-1879354-5
RR03 5% 150R AMMO



TE Part #2170518-2
12G SAS/PCIE REC CONN, 68POS



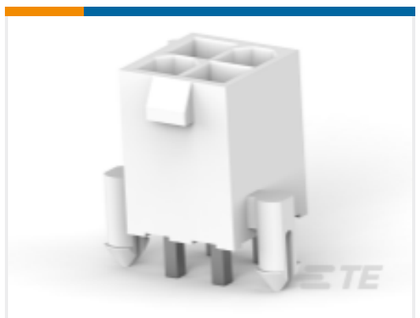
TE Part #5-534998-9
18 MODIV VRT DR CE 100/125



TE Part #2007820-2
IMP100S,H,V4P10C,UG,OEW39,4.9



TE Part #YDTS24Z25-43BNV001
Jam Nut: D38999, 23-43 Insert, Black Zinc Nickel Plating



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

Documents

Product Drawings

6P VAL-U-LOK HCS VRT HDR W/P V0

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2825261-6_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2825261-6_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2825261-6_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

High Current VAL-U-LOK Connectors

English

Product Specifications

Application Specification

English

Agency Approvals

UL

English