TE Internal #: 2825261-6

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

View on TE.com >

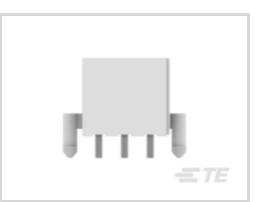


Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors











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

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 Mating Area Plating Material	Tin
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 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 Retention	With
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	With
PCB Mount Retention Type	Boardlock
Mating Retention Type	Latch
Connector Mounting Type	Board Mount
Housing Features	
Centerline (Pitch)	4.2 mm[.165 in]
Housing Color	White
Housing Material	Nylon GF
Dimensions	
Connector Height	12.8 mm[.504 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Product Width	9.8 mm[.386 in]
Product Length	13.8 mm[.543 in]
	1.2 – 3.1 mm[.047 – .122 in]
Compatible Insulation Diameter Range	1.2 – 3.1 11111[.047 – .122 111]
Compatible Insulation Diameter Range Wire Size	.12 – 3.1 mm[.047 – .122 m]
Wire Size	.12 – 1.4 mm ²



Operation/Application

Circuit Application	Signal
Identification Marking	
Circuit Identification Feature	With
Industry Standards	
CSA Rating	208567
UL Rating	Recognized
Agency/Standard	CSA, UL
Approved Standards	UL E28476
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire
Packaging Features	
Packaging Quantity	300
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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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

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 # 1586040-6 6P VAL-U-LOK VRT HDR W/P V0



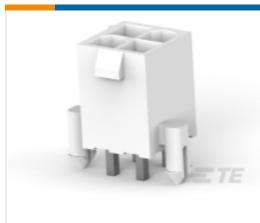
TE Part # 2-2825261-0 20P VAL-U-LOK HCS VRT HDR W/P V0



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 # 2825261-4 4P 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 # 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

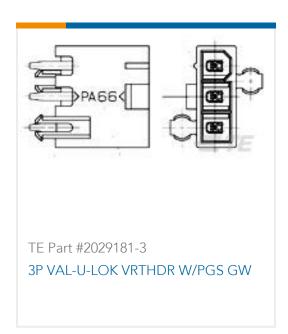


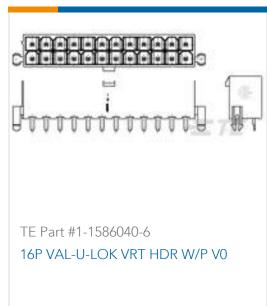
TE Part # 2-2825261-2 22P VAL-U-LOK HCS VRT HDR W/P V0

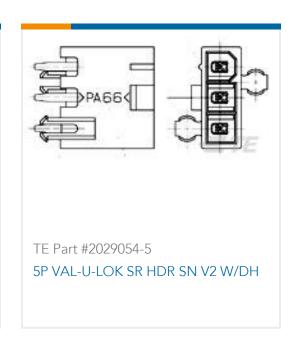


Customers Also Bought

















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.

Product Specifications

Application Specification

English

Product Environmental Compliance

Product Compliance Document

English

Product Compliance Document

English

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



Agency Approvals

UL

English