



Connectors > PCB Connectors > PCB Headers & Receptacles



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

Number of Positions: **6**

Number of Rows: **1**

Centerline (Pitch): **3.96 mm [.156 in]**

PCB Mount Orientation: **Vertical**

Features

Product Type Features

Connector Shape	Rectangular
Connector System	Wire-to-Board
Header Type	Partially Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
PCB Connector Assembly Type	PCB Mount Header

Configuration Features

Number of Power Positions	6
Number of Loaded Positions	6
Number of Positions	6
Number of Rows	1
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

Primary Product Color	Natural
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Contact Features

Contact Mating Area Length	7.7 mm[.303 in]
PCB Contact Termination Area Plating Material Thickness	3.04 μm[120 μin]
Contact Layout	Inline
Contact Underplating Material Thickness	1 μm[39.37 μin]
Contact Mating Area Plating Material Thickness	3.04 μm[120 μin]
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin
Contact Type	Tab
Contact Current Rating (Max)	8 A

Termination Features

Termination Post & Tail Length	3.69 mm[.145 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

PCB Mount Alignment Type	Pegs
Mating Retention	With
Mating Retention Type	Locking Tab
Connector Mounting Type	Board Mount
Mating Alignment	Without
PCB Mount Alignment	With
PCB Mount Retention	Without

Housing Features

Housing Material	Nylon
Centerline (Pitch)	3.96 mm[.156 in]

Dimensions

Connector Length	23.76 mm[.935 in]
Connector Height	9.4 mm[.37 in]
Connector Width	8.6 mm[.339 in]



PCB Thickness (Recommended)	1.6 mm[.063 in]
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Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]

Operation/Application

Circuit Application	Power
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Industry Standards

Glow Wire Rating	GWT 750°C (Without Flame)
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	1000
Packaging Method	Bag

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	Compliant
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 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

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 # 1744416-6 6 POS EP II HSG, GLOW WIRE	TE Part # 2-1744036-6 06P ECONOMY POWER .200 CL HSG	TE Part # 1744544-6 EP II TPA 06P, BLACK	TE Part # 1-1744429-6 3.96 EP HDR ASSY 6P W/PEGS, GW, NO PIN 3
TE Part # 1-1744429-9 3.96 EP HDR ASSY 9P W/PEGS, GW, NO PIN 3	TE Part # 1-1744524-6 EP 06P HEADER ASY NO 2,4,5 PIN	TE Part # 1744496-6 06P EP-II HOUSING, BLUE	TE Part # 1744524-6 EP 06P HEADER ASY NO 4 PIN
TE Part # 2-1744435-8 EP 08P V-HDR ASY NO 3 PIN			

Also in the Series | Economy Power

Connector Contacts(15)	Connector Hardware(2)	Insertion & Extraction Tools(1)	PCB Headers & Receptacles(400)
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Rectangular Connector Housings(1)



Rectangular Power Connectors(64)

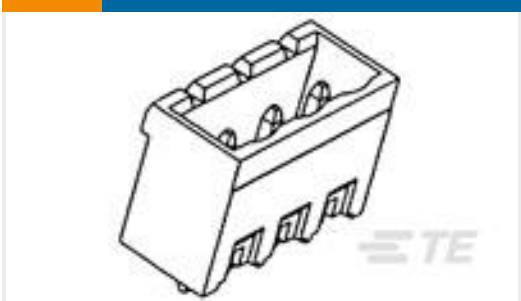


Wire-to-Board Connector Assemblies & Housings(142)

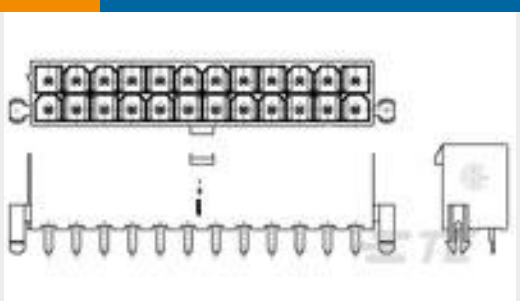
Customers Also Bought



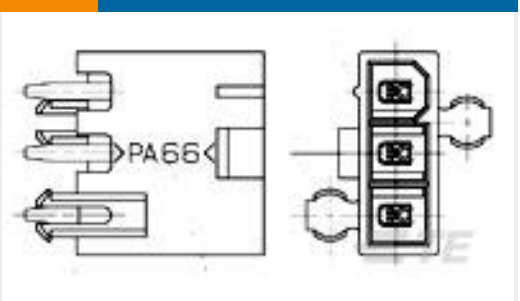
TE Part #3-1879378-4
TLR 2512 1.0W R005 1% 100PPM 2K RL



TE Part #796636-4
4POS 5.08MM CE VRT HDR,TRM BLK



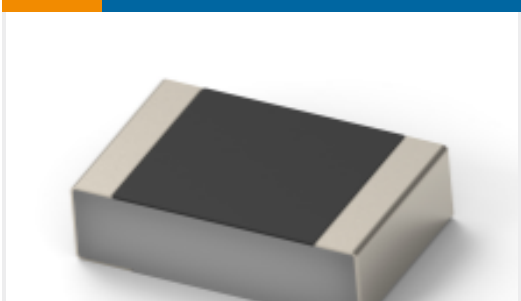
TE Part #2029265-4
4P VAL-U-LOK VRTHDR W/PGS GW



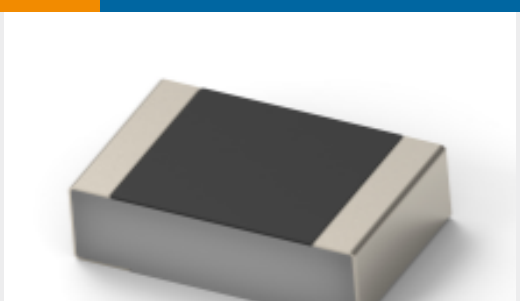
TE Part #2029181-3
3P VAL-U-LOK VRTHDR W/PGS GW



TE Part #2-1971845-4
4P, RAST 5 Tab Header, THV



TE Part #4-2176452-3
CPF 0201 1K47 0.1% 25ppm 1K RL



TE Part #7-2176453-5
CPF 0201 34K 0.1% 25ppm 1K RL

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1744429-6_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1744429-6_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1744429-6_D.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

Economy Power II (EP II) Glow Wire test compliant connectors

English



1-1773885-9 Economy Power Connectors

English

Product Specifications

Application Specification

Japanese