



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **8**

Number of Rows: **1**

Features

Product Type Features

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

Configuration Features

Number of Loaded Positions	8
Number of Power Positions	8
PCB Mount Orientation	Vertical
Number of Positions	8
Number of Rows	1

Electrical Characteristics

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Operating Voltage	250 VDC
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Body Features

Primary Product Color	Gray
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Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	.8 µm[31.5 µin]
Contact Size	1.14mm
Contact Mating Area Plating Material Thickness	1 µm[39.37 µin]
PCB Contact Termination Area Plating Material Thickness	1 µm[39.37 µin]
Contact Shape & Form	Square
Contact Layout	Inline
Contact Mating Area Length	7.78 mm[.306 in]
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Tab
Contact Current Rating (Max)	8 A

Termination Features

Termination Post & Tail Length	3.6 mm[.141 in]
Square Termination Post & Tail Dimension	1.14 mm[.045 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Panel Mount Feature	Without
Mating Retention Type	Locking Tab
Mating Retention	With
Mating Alignment Type	Polarization
PCB Mount Alignment Type	Locating Posts
PCB Mount Retention	Without
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

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

Dimensions

PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	12 mm[.472 in]
Connector Length	34.93 mm[1.375 in]

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	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	250
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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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>

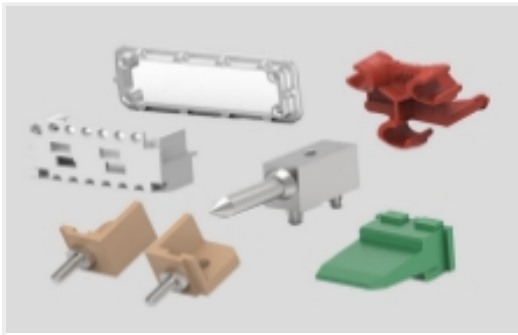
Compatible Parts

 TE Part # 1-1877285-0 10P EP SHRD HDR ASMY, WHITE	 TE Part # 1877285-8 08P EP SHRD HDR ASMY, WHITE	 TE Part # 1877285-3 03P EP SHRD HDR ASMY, WHITE	 TE Part # 1877285-5 05P EP SHRD HDR ASMY, WHITE
 TE Part # 1744357-5 3.96 EP SHROUDED HDR ASSY 2P W	 TE Part # 1744416-8 8 POS EP II HSG, GLOW WIRE	 TE Part # 1744483-3 03P EP SHRD HDR ASMY, ORANGE	 TE Part # 1744497-8 08P EP-II HOUSING, GREY
 TE Part # 2108744-1 POWER 2P HDR ASSY L/PRO NAT	 TE Part # 1877285-2 02P EP SHRD HDR ASMY, WHITE	 TE Part # 1-1744490-0 10P EP SHRD HDR ASMY, BLACK	 TE Part # 1744486-6 06P EP SHRD HDR ASMY, BLUE
 TE Part # 1744357-6 3.96 EP SHROUDED HDR ASSY 6P W /PEGS	 TE Part # 1744484-4 04P EP SHRD HDR ASMY, YELLOW	 TE Part # 1744485-5 05P EP SHRD HDR ASMY, GREEN	

Also in the Series | Economy Power



Connector Contacts(15)



Connector Hardware(2)



Power Contacts(9)



Rectangular Connector Housings(58)



Rectangular Power Connectors(460)

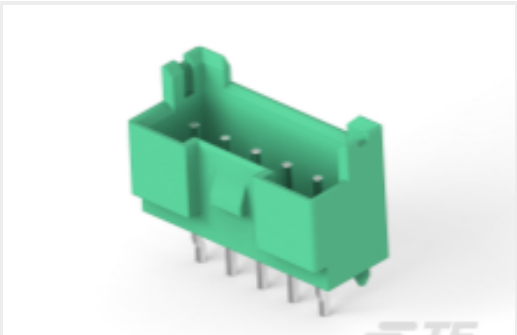


Standard Rectangular Connectors(58)

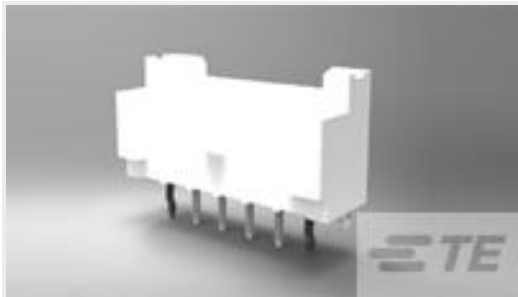


Wire-to-Board Connector Assemblies & Housings(141)

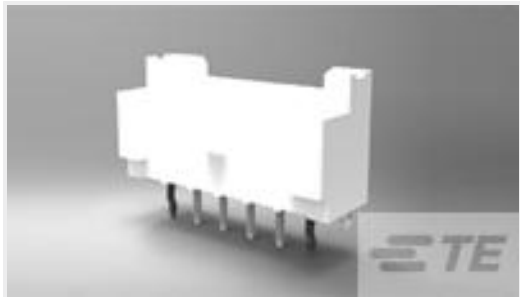
Customers Also Bought



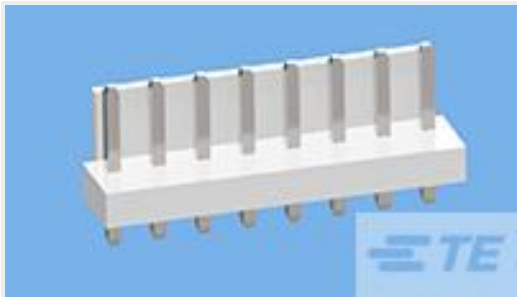
TE Part #8-2338245-5
EP2.5 HDR 5P VERT BOSS, GREEN, UL



TE Part #1-1744418-0
10 POS EP 2.5 HDR, GLOW WIRE



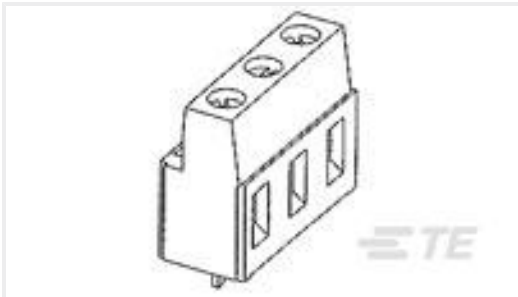
TE Part #2132230-4
EP2.5 Shrouded HDR ASSY 4P VER



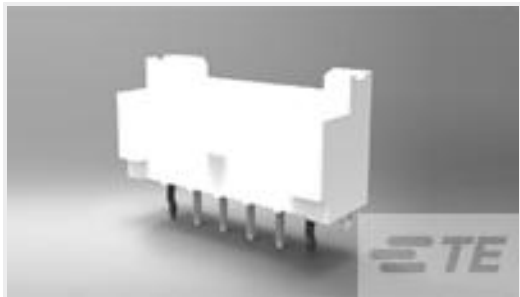
TE Part #1744489-8
3.96 EP HDR ASY 08P NO PEG, GW



TE Part #1-770190-0
15P MINI-UMNL ASSY V0 SNNI*



TE Part #282845-2
TERM-BLOK, PCB MNT, 90DG, 2P, 7.62



TE Part #2132230-5
EP2.5 Shrouded HDR ASSY 5P VER



TE Part #8-1744524-7
3.96 EP HDR ASY 07P NO2, 4, 6PIN, NO PEG, GW



TE Part #1-1969543-4
ASSY, HDR, VERT, BOSS, DUAL ROW, EP2.5



TE Part #2232236-1
187 FASTON, TAB, TPBR

Documents



Product Drawings

08P EP SHRD HDR ASMY, GREY

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1744487-8_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1744487-8_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1744487-8_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

Agency Approvals

UL Report

English