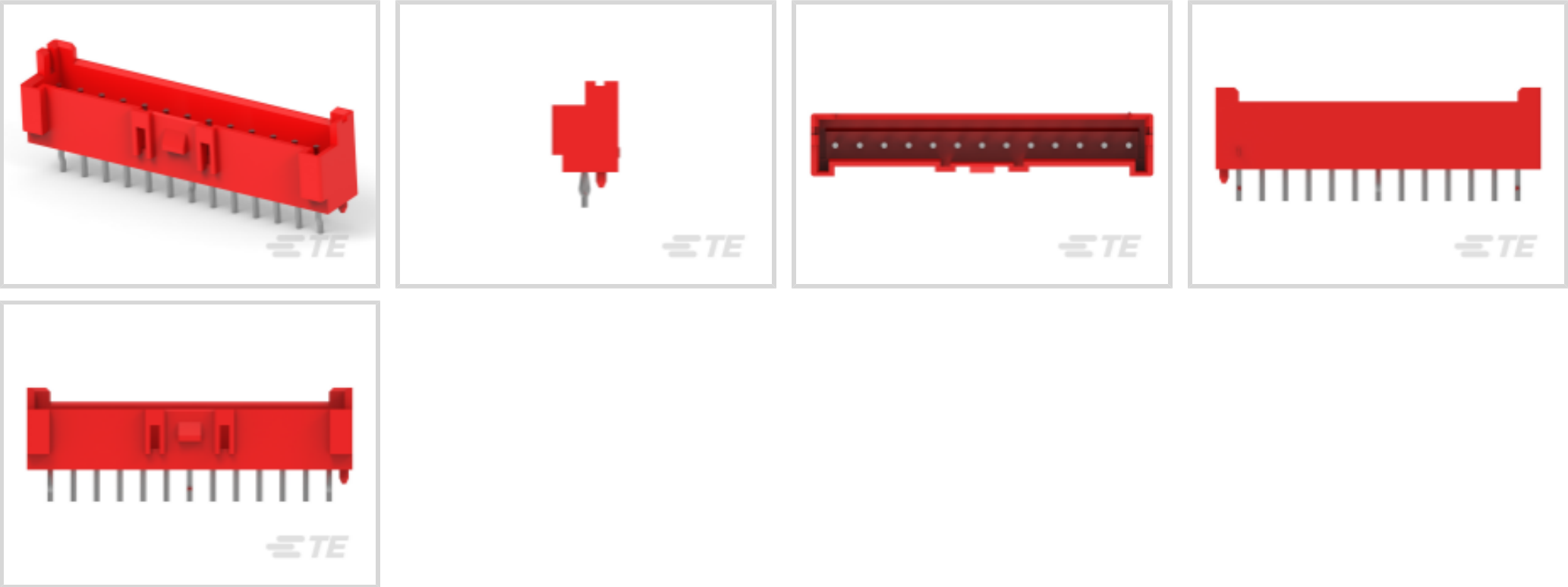




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **13**

Number of Rows: **1**

Features

Product Type Features

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

Configuration Features

Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	13
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

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Primary Product Color	Red
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Contact Features

Contact Underplating Material	Nickel
Mating Pin Diameter	.6 mm[.024 in]
Contact Underplating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material Finish	Bright
Contact Mating Area Plating Material Thickness	2.03 µm[80 µin]
PCB Contact Termination Area Plating Material Thickness	2.032 µm[80 µin]
Contact Shape & Form	Round, Square
Contact Layout	Inline
Contact Mating Area Length	3.6 mm[.142 in]
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Bright
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Pin
Contact Current Rating (Max)	4.2 A

Termination Features

Termination Post & Tail Diameter	.6 mm[.024 in]
Termination Post & Tail Length	3.4 mm[.134 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Retention Type	Latch
Mating Retention	With
Mating Alignment Type	Polarization
PCB Mount Retention Type	Kinked Solder Tails
PCB Mount Alignment Type	Locating Posts
PCB Mount Retention	With
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Housing Material	PBT
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Centerline (Pitch)	2.5 mm[.098 in]
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Dimensions

Connector Width	6.4 mm[.252 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	8.8 mm[.346 in]
Connector Length	35 mm[1.38 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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Operation/Application

Circuit Application	Power & Signal
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Industry Standards

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

Packaging Features

Packaging Quantity	300
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 2021 (211) 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

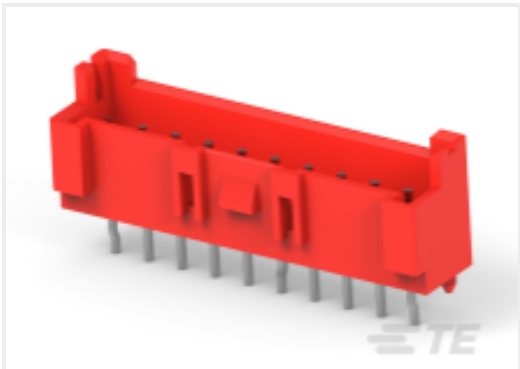
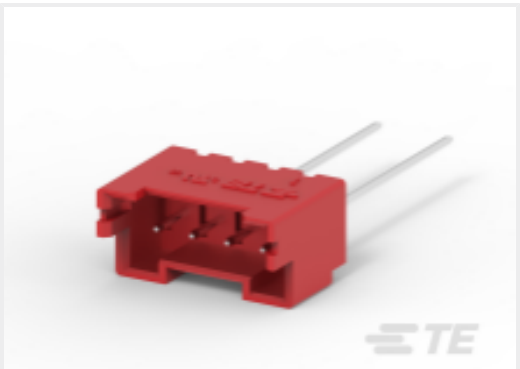
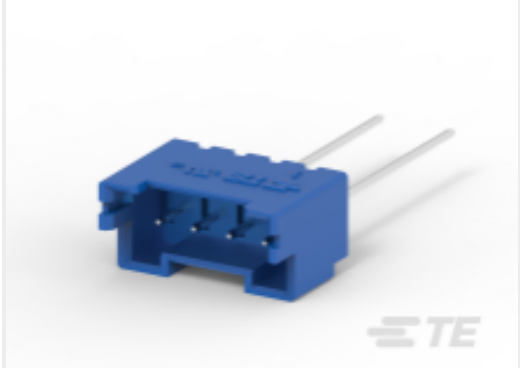
Product Compliance Disclaimer

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

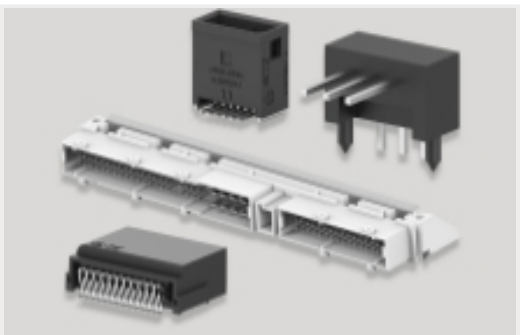


limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration 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

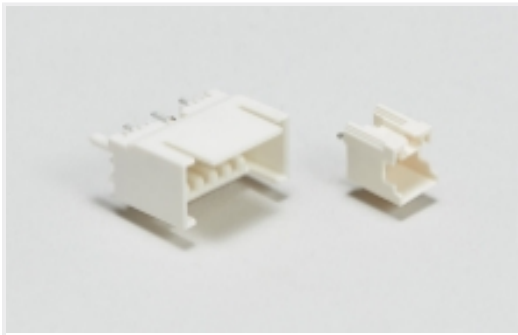
 TE Part # 1-2300178-0 EP2.5 HDR ASSY 10P VERT W/ BOSS, RED	 TE Part # 1-2299683-6 EP2.5 HDR 6P VERT W/O BOSS, TAPING,RED	 TE Part # 1-2299683-4 EP2.5 HDR 4P VERT W/O BOSS, TAPING,RED	 TE Part # 2-2299683-2 EP2.5 HDR 2P VERT W/O BOSS, TAPING,BLUE
 TE Part # 2-2299683-3 EP2.5 HDR 3P VERT W/O BOSS, TAPING,BLUE	 TE Part # 1-2299683-3 EP2.5 HDR 3P VERT W/O BOSS, TAPING,RED	 TE Part # 1-2299683-2 EP2.5 HDR 2P VERT W/O BOSS, TAPING,RED	 TE Part # 2-2299683-1 EP2.5 HDR 2P VERT W/O BOSS, TAPING,BLUE
 TE Part # 2-2299683-4 EP2.5 HDR 4P VERT W/O BOSS, TAPING,BLUE	 TE Part # 1-2299683-7 EP2.5 HDR 7P VERT W/O BOSS, TAPING,RED		

Also in the Series | Economy Power 2.5

 Connector Contacts(6)	 Connector Hardware(49)	 PCB Headers & Receptacles(533)	 Rectangular Power Connectors(531)
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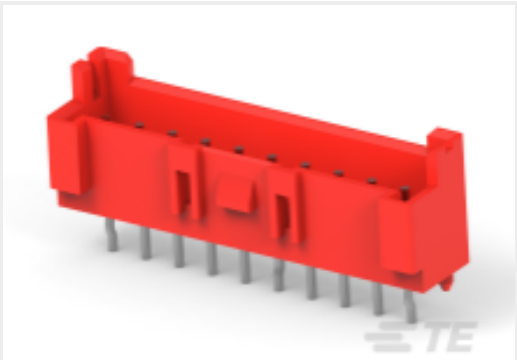


Wire-to-Board Connector Assemblies & Housings(305)



Wire-to-Board Headers & Receptacles (533)

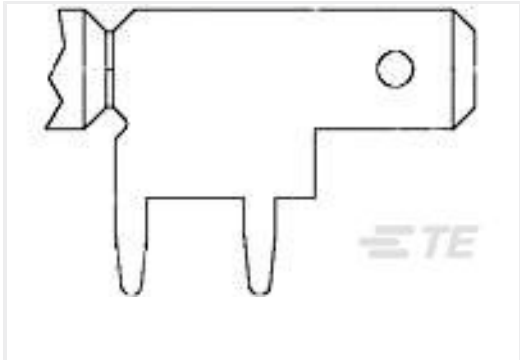
Customers Also Bought



TE Part #1-2300178-0
EP2.5 HDR ASSY 10P VERT W/ BOSS, RED



TE Part #1969729-9
EP2.5 Shrouded HDR ASSY 9P VERT w /o boss



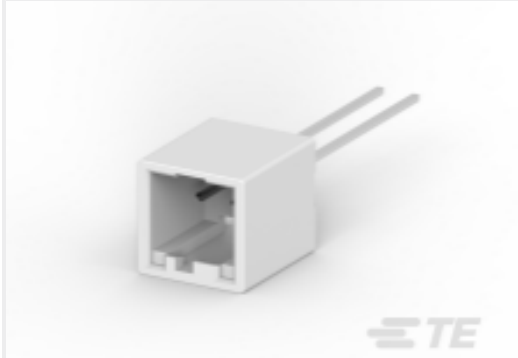
TE Part #1217756-1
187 FASTON,TAB,TNBR



TE Part #8-1123724-6
3.96EP HDR ASSY 6P NATURAL GWT



TE Part #7-1123724-2
03P EP HDR HSG V0 GWT NO 02P



TE Part #2-2232546-1
GI2.5 HDR ASS 2P NC NO BOSS TAPE



TE Part #1-1969730-5
EP2.5 SHROUDED HDR ASSY 15P VERTICAL



TE Part #1721766-5
PCH-112D2-WG



TE Part #1721531-2
PCJ-112D3M,303



TE Part #3-1419153-5
PCFN-112D2M,000

Documents

Product Drawings

EP2.5 HDR ASSY 13P VERT W/ BOSS,RED

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2300178-3_A.2d_dxf.zip

1-2300178-3

PCB Mount Header, Vertical, Wire-to-Board, 13 Position, 2.5 mm [.098 in] Centerline, Fully Shrouded, Tin (Sn), Economy Power 2.5



English

Customer View Model

[ENG_CVM_CVM_1-2300178-3_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2300178-3_A.3d_stp.zip](#)

English

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[Product Specifications](#)

[Application Specification](#)

English