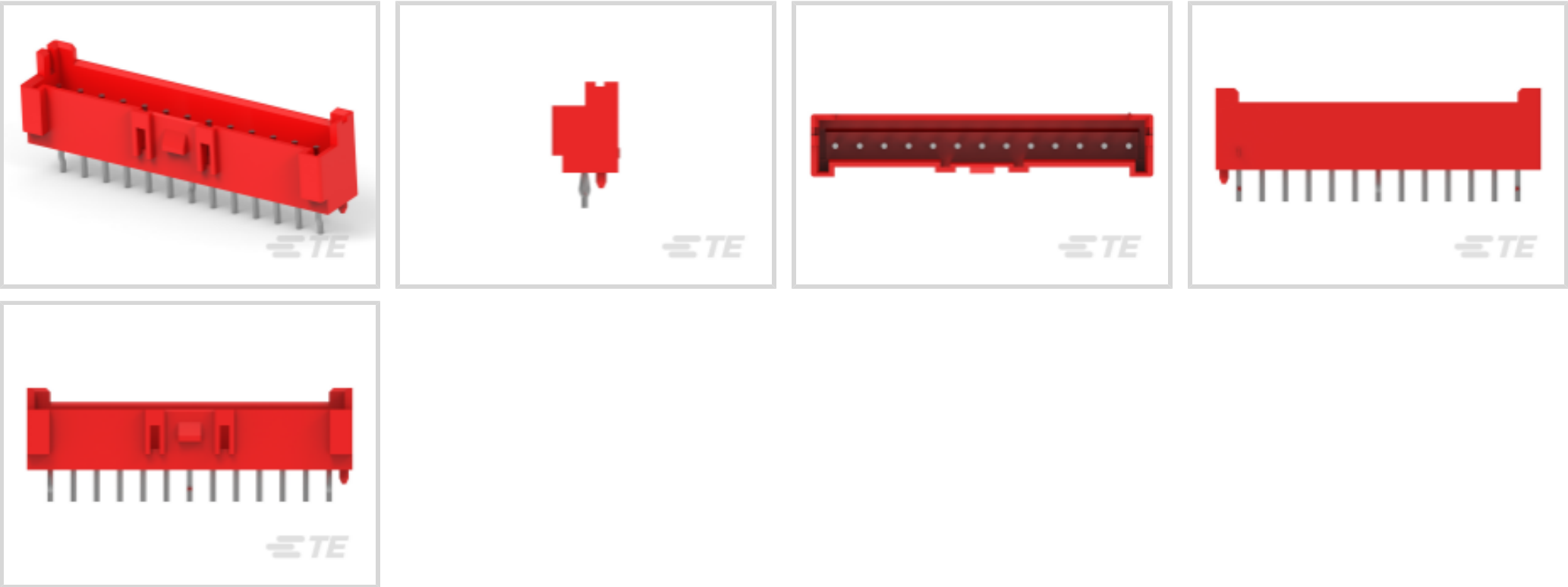




Connectors > PCB Connectors > PCB Headers & Receptacles



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

Number of Positions: **13**

Number of Rows: **1**

Centerline (Pitch): **2.5 mm [.098 in]**

PCB Mount Orientation: **Vertical**

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

Primary Product Color	Red
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Contact Features

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

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

Housing Features

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

Connector Length	35 mm[1.38 in]
Connector Height	8.8 mm[.346 in]
Connector Width	6.4 mm[.252 in]
PCB Thickness (Recommended)	1.6 mm[.063 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: JUNE 2024 (241) 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






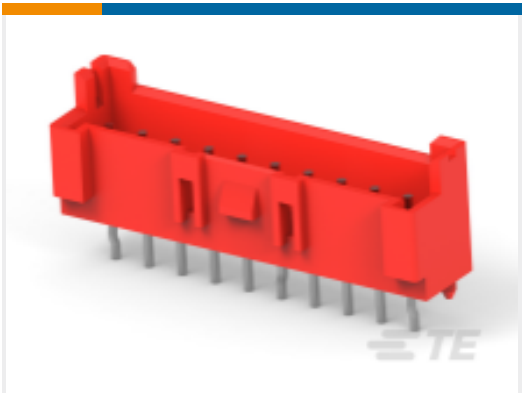




Product Compliance Disclaimer

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



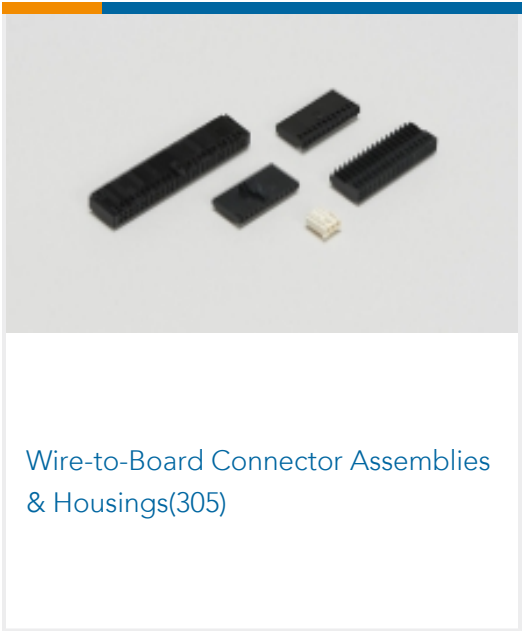
will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or 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

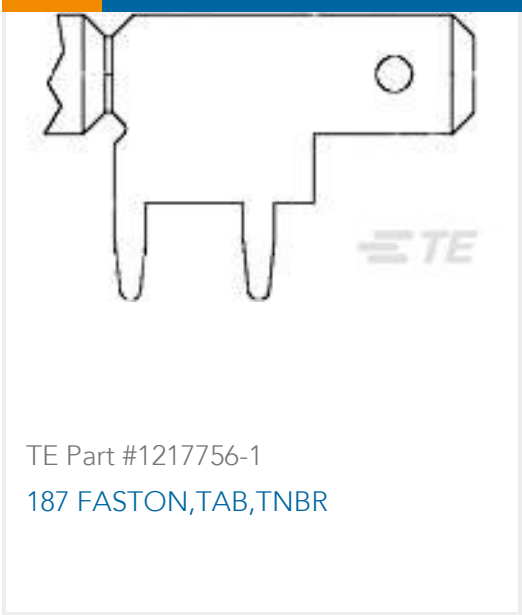
 <p>TE Part # 1-2299683-4 EP2.5 HDR 4P VERT W/O BOSS, TAPING,RED</p>	 <p>TE Part # 1-2299683-2 EP2.5 HDR 2P VERT W/O BOSS, TAPING,RED</p>	 <p>TE Part # 1-2299683-3 EP2.5 HDR 3P VERT W/O BOSS, TAPING,RED</p>	 <p>TE Part # 1-2299683-6 EP2.5 HDR 6P VERT W/O BOSS, TAPING,RED</p>
 <p>TE Part # 1-2299683-7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

Also in the Series | Economy Power 2.5

 <p>Connector Contacts(6)</p>	 <p>Connector Hardware(49)</p>	 <p>PCB Headers & Receptacles(494)</p>	 <p>Rectangular Power Connectors(43)</p>
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Customers Also Bought



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



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