



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **28**

Number of Rows: **2**

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	28
Number of Rows	2

Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

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Primary Product Color	Natural
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Contact Features

Mating Pin Diameter	.6 mm[.024 in]
Contact Mating Area Plating Material Thickness	2 – 5 µm[80 – 200 µin]
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

Panel Mount Feature	Without
Mating Retention Type	Latch
Mating Retention	With
PCB Mount Retention Type	Kinked Solder Tails
Mating Alignment Type	Polarization
PCB Mount Alignment Type	Housing Peg
PCB Mount Retention	With
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

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

Dimensions

Row-to-Row Spacing	2.5 mm[.098 in]
Connector Width	10.16 mm[.4 in]
Connector Height	9.8 mm[.386 in]



Connector Length	37.89 mm[1.492 in]
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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	Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	120
Packaging Method	Box

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	Wave solder capable to 265°C

Product Compliance Disclaimer

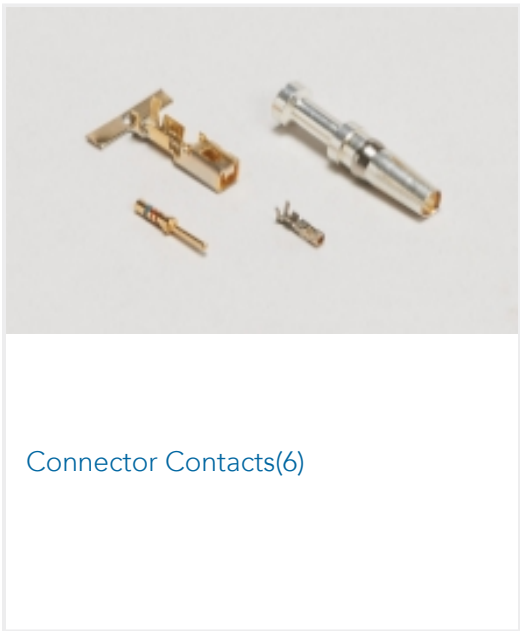
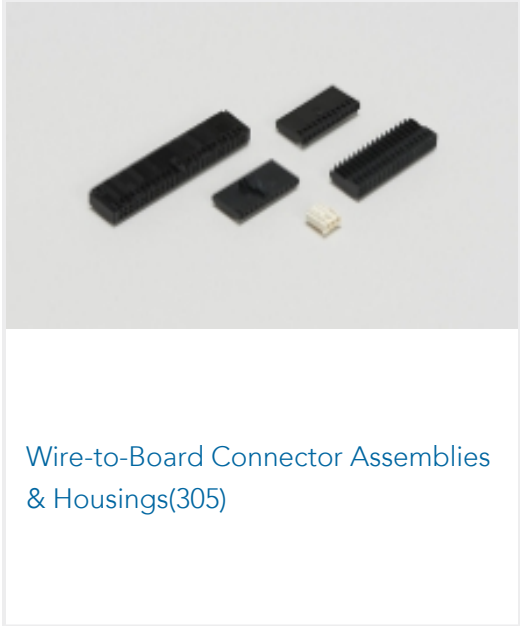
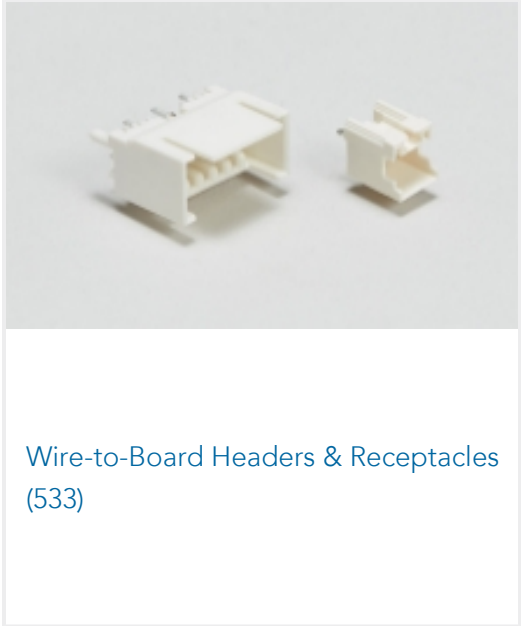
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

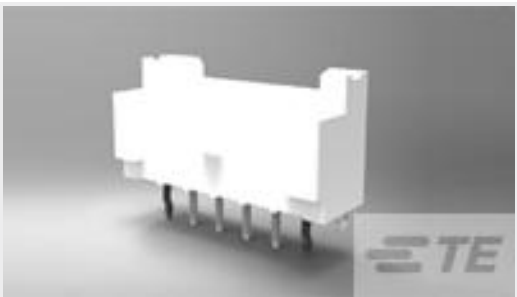
 TE Part # 1969543-8 ASSY, HDR, VERT, BOSSED, DUAL ROW, EP2.5	 TE Part # 1-1744418-3 13 POS EP 2.5 HDR, GLOW WIRE	 TE Part # 1-1744418-0 10 POS EP 2.5 HDR, GLOW WIRE	 TE Part # 1-2323750-4 ASSY,HDR,RIGHT ANGLE,GWT,DUAL ROW, EP2.5
 TE Part # 1-1744418-2 12 POS EP 2.5 HDR, GLOW WIRE	 TE Part # 1-2324245-0 ASSY,HDR,VERT,GWT,BOSSED,DUAL ROW, EP2.5	 TE Part # 1-1969582-0 ASSY, HDR, VERT, NO-BOSS, DUAL ROW,EP2.5	 TE Part # 2-1969541-8 RETAINER, TPA, DUAL ROW, EP2.5
 TE Part # 2-1969567-8 HOUSING, PLUG, GWT, DUAL ROW, EP2.5	 TE Part # 2-1969543-4 ASSY, HDR, VERT, BOSSED, DUAL ROW, EP2.5		

Also in the Series | Economy Power 2.5

 Connector Contacts(6)	 Connector Hardware(49)	 PCB Headers & Receptacles(533)	 Rectangular Power Connectors(531)
 Wire-to-Board Connector Assemblies & Housings(305)	 Wire-to-Board Headers & Receptacles (533)		



Customers Also Bought



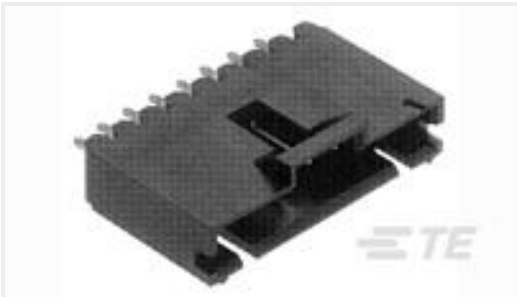
TE Part #2132230-4
EP2.5 Shrouded HDR ASSY 4P VER



TE Part #521384-2
ASSY PL R/A RAST5 HEADER 02-A



TE Part #103908-9
10 MTE HDR SRST LATCH W/HLDWN



TE Part #5-103908-9
10 MTE HDR SRST LATCH W/HLDWN



TE Part #5787169-7
68 50SR R/A RCPT ASSY,RDSN L/F



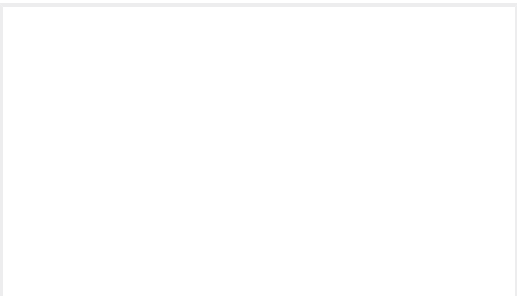
TE Part #2238007-1
TERMINAL, PIN, LANCELESS, 22-26 AWG, EP2



TE Part #640452-2
02P MTA100 HDR ASSY SQ STR



TE Part #827914-1
2P SHUNTSTECKER



TE Part #10203233-00
FCS-01B FLOW SWITCH SENSOR



TE Part #BAT-HLD-013-SMT-TR
Hldr for CR2032 Battery, SMT, T&R Pkg

Documents

Product Drawings

ASSY,HDR,VERT,GWT,BOSSED,DUAL ROW, EP2.5

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-1969570-8_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-1969570-8_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-1969570-8_B.3d_stp.zip

English

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



Datasheets & Catalog Pages

7-1773461-6_EP2.5_Connector_Series

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

VDE Certificate

English