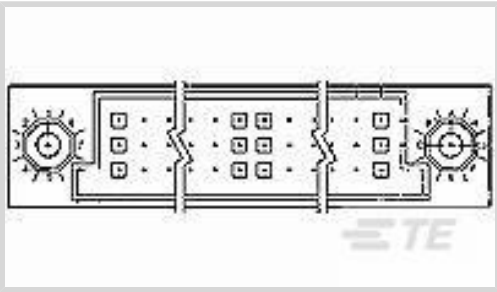




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**  
PCB Mount Orientation: **Vertical**  
Connector System: **Board-to-Board**  
Number of Positions: **165**  
Number of Rows: **3**

Features

Electrical Characteristics

Insulation Resistance	3 MΩ
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Dimensions

PCB Thickness (Recommended)	2.36 mm[.76 in]
Connector Height	11.73 mm[.461 in]

Packaging Features

Packaging Quantity	3
Packaging Method	Tube

Usage Conditions

Housing Temperature Rating	High
Operating Temperature Range	-65 – 125 °C[-85 – 257 °F]

Termination Features

Termination Post & Tail Length	4.83 mm[.19 in]
Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Method to PCB	Through Hole - Solder

Contact Features

Contact Mating Area Plating Material Thickness	.76 μm[29.9212 μin]
Mating Square Post Dimension	.64 mm[.025 in]
Contact Shape & Form	Four Beam



Contact Layout	Matrix
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold
Contact Type	Pin
Contact Current Rating (Max)	3 A

Housing Features

Housing Material	Thermoplastic
Centerline (Pitch)	2.54 mm[.1 in]

Configuration Features

Stackable	No
PCB Mount Orientation	Vertical
Number of Positions	165
Number of Rows	3

Product Type Features

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

Body Features

Primary Product Color	Black
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Mechanical Attachment

PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	Without

Operation/Application

Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Pin-in-Paste capable to 260°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 # 532431-8  
HDI RECP ASSY 3 ROW 165 POS



TE Part # 5532431-8  
ASSY,RECP,T,R.ANGLE,HDI,LEAD-FR

Customers Also Bought



TE Part #350835-1  
09P UMNL HDR ASSY PC 94VO

TE Part #1393243-4  
RTE24012

TE Part #6-66460-6  
PIN,.062 DIA,.025 SQ POST,LP

TE Part #9-146280-0  
40 MODII HDR SRST B/A .100CL

TE Part #7-1879337-2  
CPF 0603 13K7 1% 50PPM 1K RL

TE Part #1-532434-2  
HDI RECP ASSY 4 ROW 300 POS

TE Part #5745928-2  
25 RCPT ACT PIN/MS MED SCRLK

TE Part #382811-6  
SHUNT, ECON, PHBR 15 AU,BLACK

TE Part #5207720-2  
FEMALE SCREWLOCK,ZN

TE Part #133421-E  
MJ CS \*\* 8 8 \*\*\*\*\* 30 \* J 3 133942

Documents

Product Drawings  
ASSY,PIN,VERTICAL,HDI,LEAD-FRE  
English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_5532433-8\_A.2d\_dxf.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_5532433-8\_A.3d\_igs.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_5532433-8\_A.3d\_stp.zip  
English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages



1-1773957-5\_AMP\_HDI\_BTBTB\_CONNECTORS\_EN

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English