532433-8 ✔ ACTIVE

AMP-HDI

TE Internal #: 532433-8

PCB Mount Header, Vertical, Board-to-Board, 165 Position, 2.54 mm [.1 in] Centerline, Fully Shrouded, Gold, Through Hole - Solder, Signal, Black, Tube

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles







EU RoHS Compliance: **Not Compliant**

EU ELV Compliance: **Compliant with Exemptions**

PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Features

Other

EU RoHS Compliance	Not Compliant
EU ELV Compliance	Compliant with Exemptions

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

Configuration Features

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

Electrical Characteristics

Insulation Resistance	3 MΩ

Body Features

Primary Product Color	Black

Contact Features

Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Mating Square Post Dimension	.64 mm[.025 in]
Contact Shape & Form	Four Beam
Contact Layout	Matrix
Contact Mating Area Length	5.33 mm
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold
Contact Type	Pin
Contact Current Rating (Max)	3 A

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

Mechanical Attachment

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

Housing Features

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

Dimensions

PCB Thickness (Recommended)	1.57 mm[.76 in]
Connector Height	11.73 mm[.46 in]

Usage Conditions

Housing Temperature Rating	High

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

Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	3
Packaging Method	Tube

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	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) SVHC > Threshold: Pb (13% in Component Part) **Article Safe Usage Statements:** Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not lead free process capable

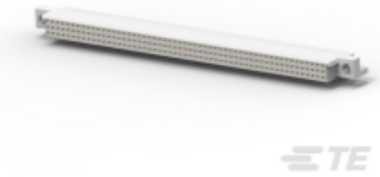
Product Compliance Disclaimer

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

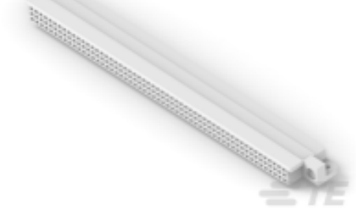
Compatible Parts



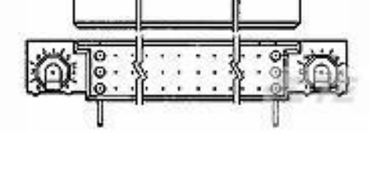
TE Part # 532431-8
HDI RECP ASSY 3 ROW 165 POS



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



TE Part # 533268-8
HDI RECP ASSY 3 ROW 165 POS

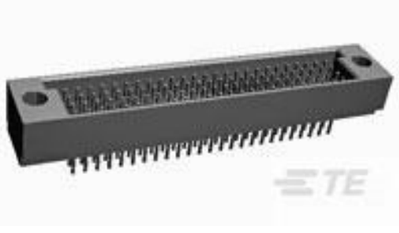


TE Part # 533914-5
HDI RECP ASSY 3 ROW 165 POS

Customers Also Bought



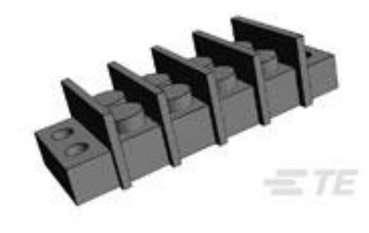
TE Part #1757819-9
AMPLIMITE,ASY,PLUG,STD,109,ZN,4, CT



TE Part #532436-7
HDI PIN ASSY 4 ROW 200 POS



TE Part #6-534206-3
26 MODII VRT DR CE 100/115



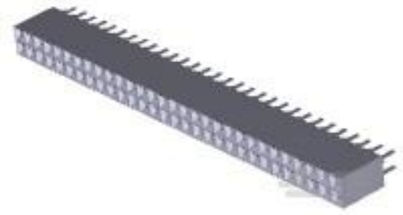
TE Part #1546306-4
4P .374" DR BARRIER STRIP



TE Part #9-1614882-8
CPF 0603 20R 0.1% 25PPM 1K RL



TE Part #7-534206-5
50 MODII VRT DR CE 100/115



TE Part #8-534998-0
60 MODIV VRT DR CE 100/125

TE Part #1617028-6
HFW1006S02 = HFW 1/2 SIZE RELA

TE Part #1617034-4
HFW1501S09 = HFW 1/2 SIZE RELA

Documents

Product Drawings

HDI PIN ASSY 3 ROW 165 POS

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_532433-8_T.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_532433-8_T.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_532433-8_T.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_BTB_CONNECTORS_EN

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

Agency Approval Document

English