532903-2 ✔ ACTIVE

AMP-HDI

TE Internal #: 532903-2

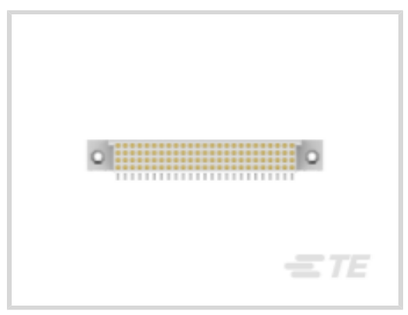
PCB Mount Receptacle, Right Angle, Board-to-Board, 100 Position, 2.54 mm [.1 in] Centerline, Gold, Through Hole - Solder, Signal, Black, Tube

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles







PCB Connector Assembly Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **100**

Number of Rows: **4**

Features

Electrical Characteristics

Insulation Resistance	4 MΩ

Dimensions

PCB Thickness (Recommended)	2.36 mm[.76 in]
Connector Height	11.68 mm[.46 in]

Packaging Features

Packaging Quantity	7
Packaging Method	Tube

Usage Conditions

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

Operation/Application

Assembly Process Feature	None
Circuit Application	Signal

Mechanical Attachment

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

Termination Features

Rectangular Termination Post & Tail Width	.58 mm[.023 in]
Rectangular Termination Post & Tail Thickness	.25 mm[.01 in]
Termination Post & Tail Length	3.05 mm[.12 in]
Termination Method to PCB	Through Hole - Solder

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 Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold
Contact Type	Socket
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	Right Angle
Number of Positions	100
Number of Rows	4

Product Type Features

PCB Connector Assembly Type	PCB Mount Receptacle
Connector System	Board-to-Board

Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Body Features

Primary Product Color	Black

Industry Standards

UL Flammability Rating	UL 94V-0

Other

EU RoHS Compliance	Not Compliant
EU ELV Compliance	Compliant with Exemptions

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: JUL 2019 (201) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Not lead free process capable

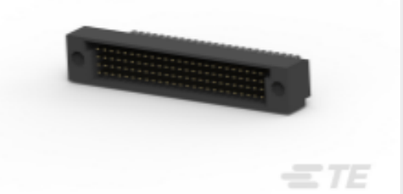
Product Compliance Disclaimer

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

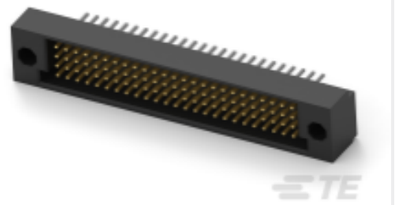
Compatible Parts



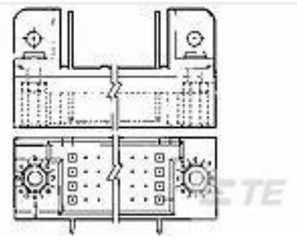
TE Part # 532436-1
HDI PIN ASSY 4 ROW 100 POS



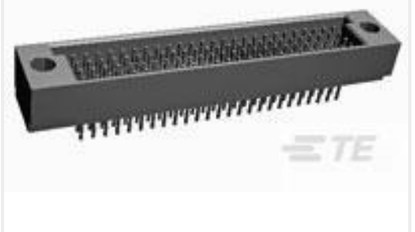
TE Part # 533286-1
HDI PIN ASSY 4 ROW 100 POS R/A



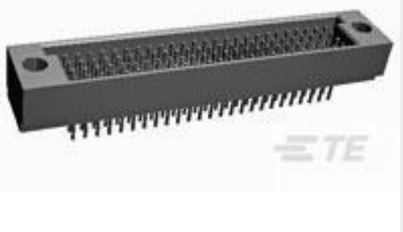
TE Part # 5532436-1
ASSY,PIN,VERTICAL,HDI,LEAD-FRE



TE Part # 5533286-1
ASSY,PIN,RIGHT ANGLE,HDI,LEAD-

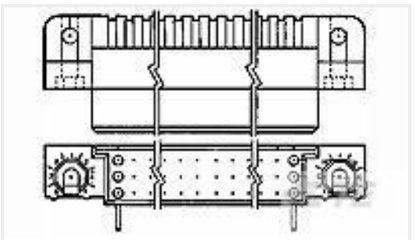


TE Part # 533935-1
HDI PIN ASSY 4 ROW 100 POS



TE Part # 532448-1
HDI PIN ASSY 4 ROW 100 POS

Customers Also Bought



TE Part #5533268-3
ASSY,RECPT,R.ANGLE,HDI,LEAD-FR



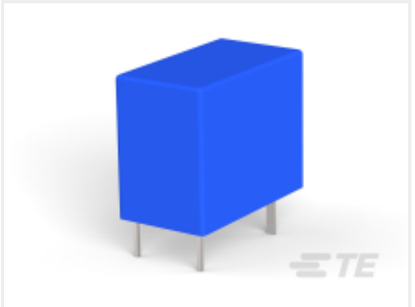
TE Part #1888617-1
Cage Assy, QSFP, Through Bezel



TE Part #1-1761987-8
ReceptacleConnAssm38PosTape/Re



TE Part #2173132-1
ELCON MINI 4P VERT HEADER, UNSHIELDED,SOL



TE Part #1721261-5
OJE-SS-112LMH2



TE Part #1954041-2
POWER ARCH PIN CONTACT .153 INCH DIA.

TE Part #7-6450831-5
MBXL R/A HDR12S+2P+12LP

TE Part #1878032-7
487-322-00

TE Part #2373238-1
487-322-01

TE Part #3-6450834-1
MBXLE R/A HDR 8P+20S

Documents

Product Drawings

HDI RECP ASSY 4 ROW 100 POS

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_532903-2_M.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_532903-2_M.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_532903-2_M.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