532903-6 ✔ ACTIVE

AMP-HDI

TE Internal #: 532903-6

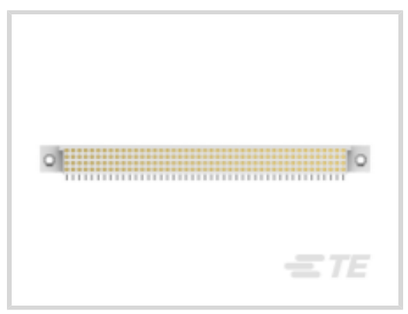
PCB Mount Receptacle, Right Angle, Board-to-Board, 180 Position, 2.54 mm [.1 in] Centerline, Gold, Through Hole - Solder, Signal, Black, Tube

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: **180**

Number of Rows: **4**

Features

Product Type Features

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

Configuration Features

Stackable	No
PCB Mount Orientation	Right Angle
Number of Positions	180
Number of Rows	4

Electrical Characteristics

Insulation Resistance	4 MΩ

Body Features

Primary Product Color	Black

Contact Features

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

Termination Features

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

Mechanical Attachment

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

Housing Features

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

Dimensions

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

Usage Conditions

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

Operation/Application

Assembly Process Feature	None

Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	4
Packaging Method	Tube

Product Compliance

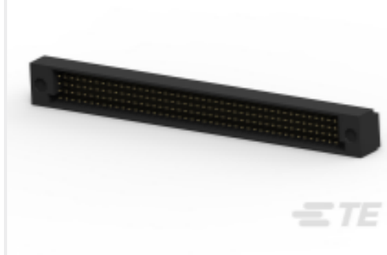
For compliance documentation, visit the product page on TE.com>

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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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

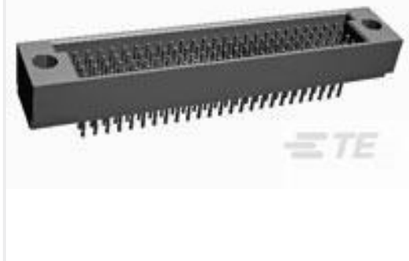
Product Compliance Disclaimer

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

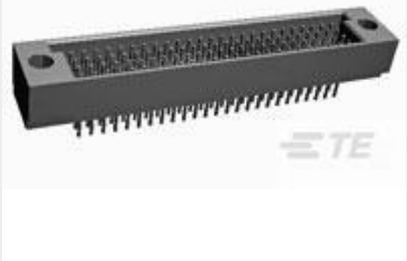
Compatible Parts



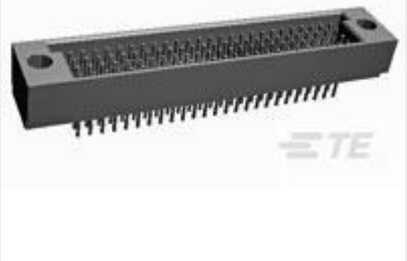
TE Part # 532436-6
HDI PIN ASSY 4 ROW 180 POS



TE Part # 532448-6
HDI PIN ASSY 4 ROW 180 POS



TE Part # 1-533935-3
HDI PIN ASSY 4 ROW 180 POS



TE Part # 5532436-6
ASSY,PIN,VERTICAL,HDI,LEAD-FRE

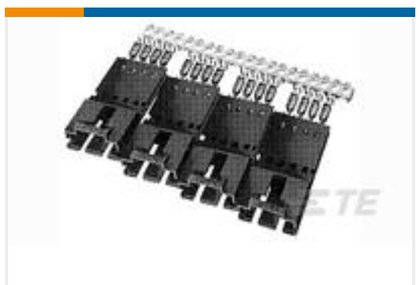
Customers Also Bought



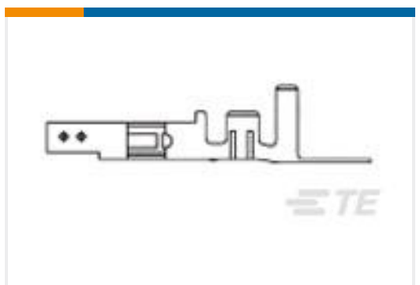
TE Part # 5745833-5
CABLE CLAMP KIT,SZ 3



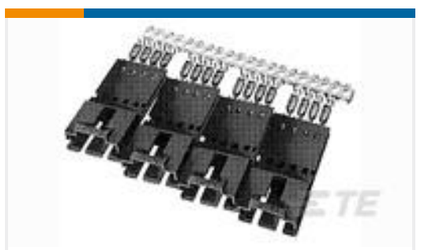
TE Part # 530347-3
KEY RIVET, BOX CONN



TE Part # 5-103945-2
5X3 MTE SHRD PIN SR LATCH .100



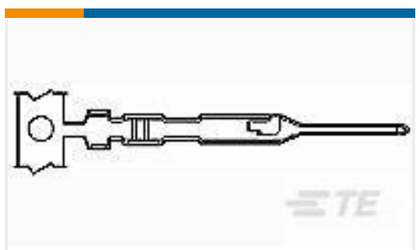
TE Part # 1586315-4
VAL-U-LOK SKT PHBZ AU 24-18 LP



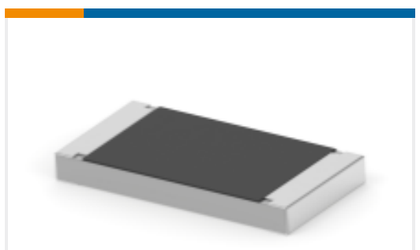
TE Part # 103946-5
2X6 MTE SHRD PIN SR POL .100CL



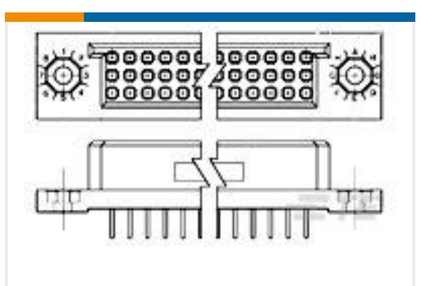
TE Part # 103957-2
8X3 MTE RCPT SR LATCH .100CL



TE Part # 104505-7
MTE PIN LP



TE Part # 3-2176350-8
CRGCQ 2512 1M5 5%



TE Part # 533287-4
BOX II ASSY 105 POS W/SOLD TL

TE Part # 1996745-1
SSMA VERTICAL PCB JACK

Documents

Product Drawings

HDI RECP ASSY 4 ROW 180 POS

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_532903-6_M.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_532903-6_M.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_532903-6_M.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditionsof 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