

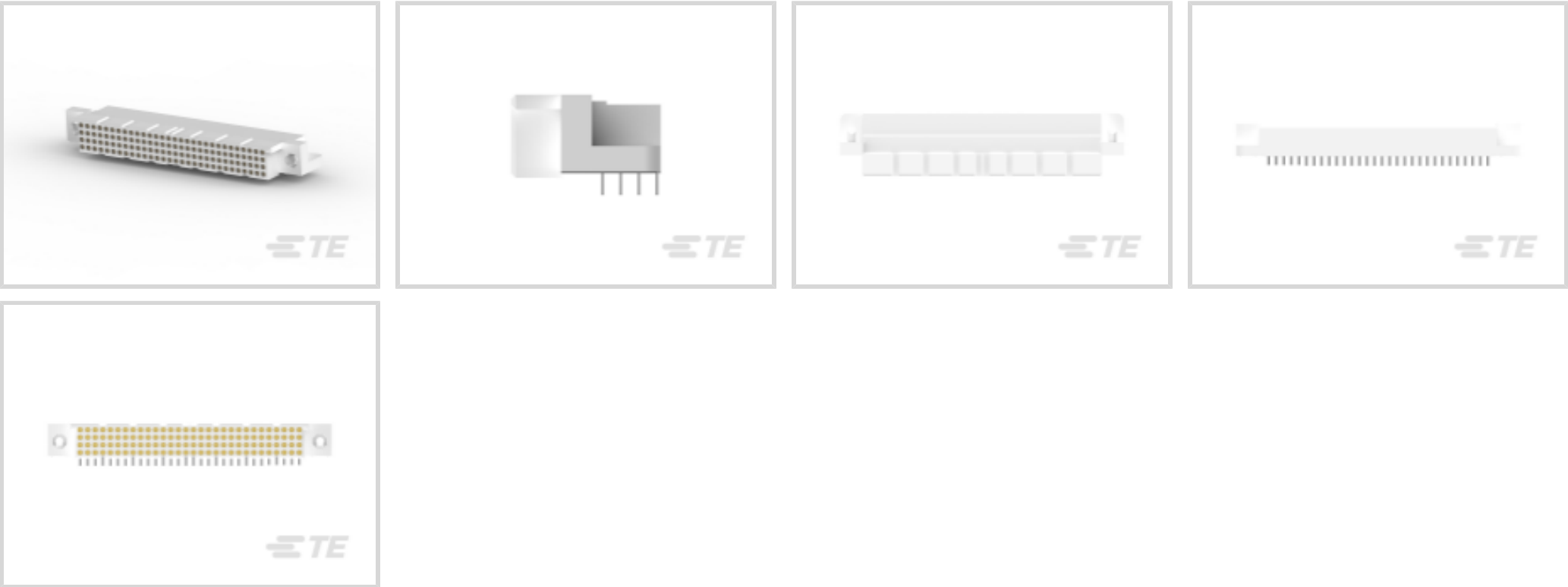


AMP-HDI

TE Internal #: 1-5532903-2  
PCB Mount Receptacle, Right Angle, Board-to-Board, 120 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: **120**  
Number of Rows: **4**

Features

Electrical Characteristics

Insulation Resistance	4 MΩ
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Dimensions

PCB Thickness (Recommended)	2.36 mm[.76 in]
Connector Height	11.02 mm[.433 in]

Packaging Features

Packaging Quantity	6
Packaging Method	Tube

Usage Conditions

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

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]
PCB Contact Termination Area Plating Material Thickness	1.27 – 2.54 μm[3.937 μin]
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	120
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
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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

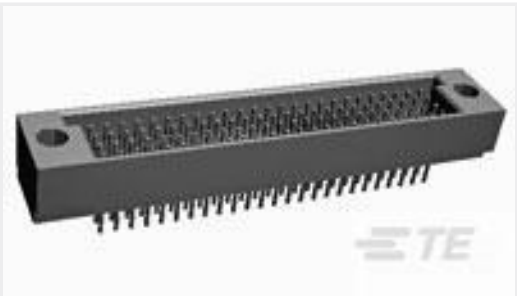
For compliance documentation, visit the product page on TE.com>

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: JUL 2021 (219) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Pin-in-Paste capable to 260°C

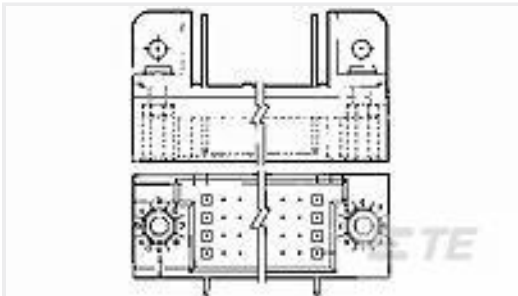
Product Compliance Disclaimer

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>

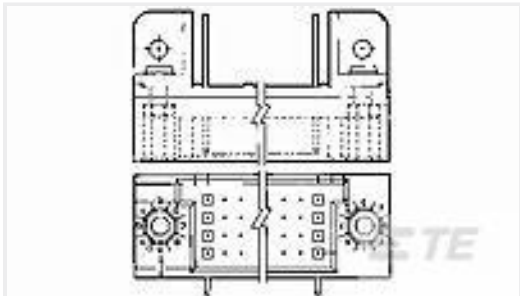
Compatible Parts



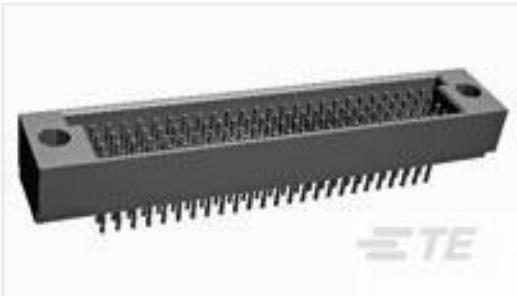
TE Part # 1-533935-1  
HDI PIN ASSY 4 ROW 120 POS



TE Part # 5533286-2  
ASSY,PIN,RIGHT ANGLE,HDI,LEAD-



TE Part # 533286-2  
HDI PIN ASSY 4 ROW 120 POS R/A



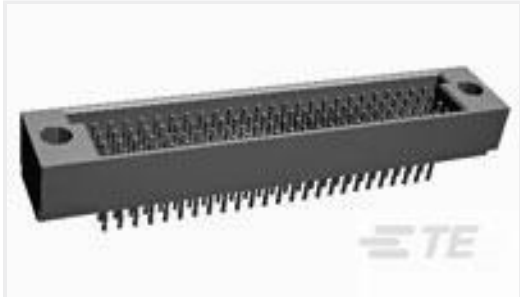
TE Part # 5532436-2  
HDI PIN ASSY 4 ROW 120 POS



TE Part # 532436-2  
HDI PIN ASSY 4 ROW 120 POS

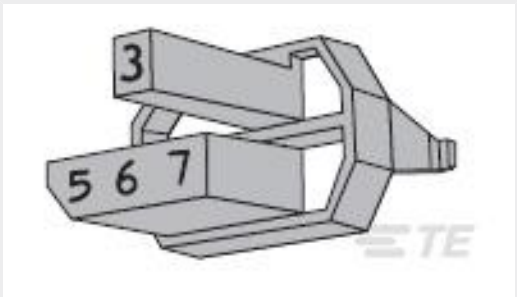


TE Part # 5532448-2  
ASSY,PIN,VERTICAL,HDI,LEAD-FREE,  
4ROW,W/O

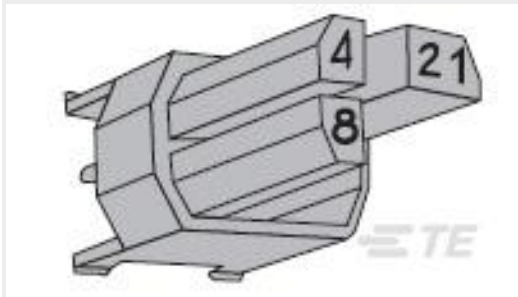


TE Part # 532448-2  
HDI PIN ASSY 4 ROW 120 POS

Customers Also Bought



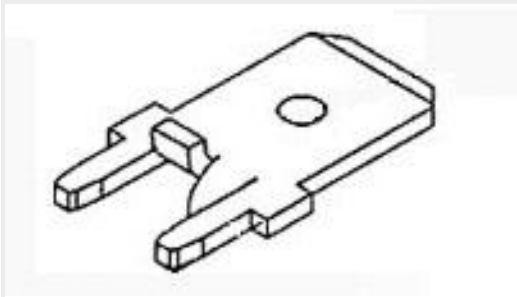
TE Part #5-100526-4  
CODING DEV INSRT COLOR GREEN



TE Part #5-100525-4  
CODING DEV INSRT COLOR GREEN



TE Part #406732-2  
MJ,10MM,8P,SHLD,NO HSG POST,SN



TE Part #63849-1  
250 FASTON TAB TPBR



TE Part #9-1437621-9  
KLN500B1/8=KNOB KNURL W/IND LI



TE Part #CAT-P592-SP118  
PIDG Spade Tongue Terminals



TE Part #320565  
TERMINAL,PIDG R 16-14 8



TE Part #1337773-1  
50/OHM COAX BNC ELB PLUG ELB P

Documents

Product Drawings  
ASSY,RECPT,R.ANGLE,HDI,LEAD-FR  
English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_1-5532903-2\_A.2d\_dxf.zip

1-5532903-2

PCB Mount Receptacle, Right Angle, Board-to-Board, 120 Position, 2.54 mm [.1 in]  
Centerline, Gold, Through Hole - Solder, Signal, Black, Tube



English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-5532903-2\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-5532903-2\\_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\\_BTBT\\_CONNECTORS\\_EN](#)

English

Product Specifications

[Application Specification](#)

English

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English