5533268-5 ✔ ACTIVE

AMP-HDI

TE Internal #: 5533268-5

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

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles

PCB Connector Type: **PCB Mount Receptacle**

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

Number of Positions: **120**

Number of Rows: **3**

Centerline (Pitch): **2.54 mm [.1 in]**

Features

Product Type Features

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

Configuration Features

Stackable	No
Number of Positions	120
Number of Rows	3
PCB Mount Orientation	Right Angle

Electrical Characteristics

Insulation Resistance	3 MΩ

Body Features

Primary Product Color	Black

Contact Features

PCB Contact Termination Area Plating Material Thickness	2.54 – 5.08 µm[100 – 200 µin]
Contact Shape & Form	Four Beam
Contact Layout	Matrix
Contact Mating Area Length	6.98 mm
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Socket
Contact Current Rating (Max)	3 A

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

Mechanical Attachment

PCB Mount Retention Type	Mounting Hole
PCB Mount Alignment Type	Post Polarization
Connector Mounting Type	Board Mount
Mating Alignment	Without
PCB Mount Alignment	With
PCB Mount Retention	Without

Housing Features

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

Dimensions

Connector Height	18.39 mm[.723 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

Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	4
Packaging Method	Tube

Product Compliance

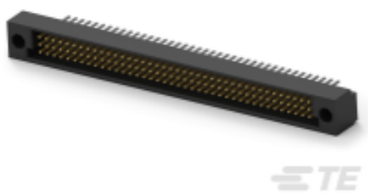
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	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 2025 (250) Candidate List Declared Against: JAN 2021 (211) 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

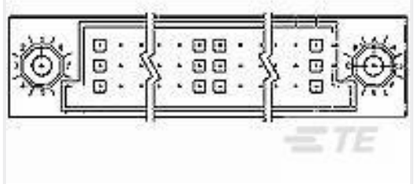
Product Compliance Disclaimer

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



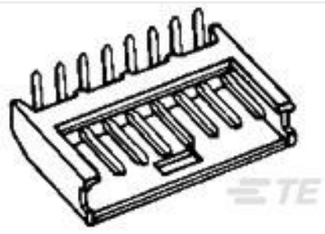
TE Part # 5532447-5
ASSY,PIN,VERTICAL,HDI,LEAD-FRE



TE Part # 5533061-5
ASSY,PIN,VERTICAL,HDI,LEAD-FRE

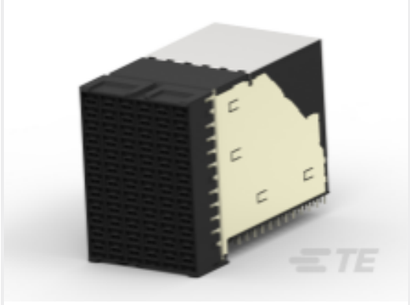
Customers Also Bought

TE Part #6-104069-8
68 sys 50 hdr drra shrd sn



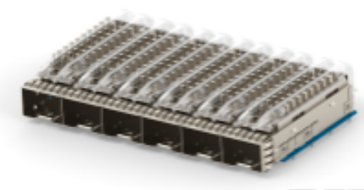
TE Part #280523-2
12P MODU II SHRD HDR,RT ANG 0.38 AU

TE Part #2-1775470-2
HPI CONN., 2.0MM, V/T, SMT, 2P, GF

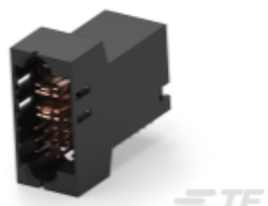


TE Part #2187462-1
SW PIR RECT, 100OHM, 12X6

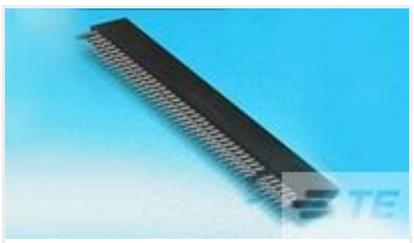
TE Part #2204862-2
MULTI-BEAM HD VER. REC. 2P+15S EXTEND



TE Part #2293156-2
ZSFP+ 1X6 CAGE ASSY, PRESS-FIT, HS



TE Part #2363704-2
MBXLE R/A HEADER 12S+2P



TE Part #5176139-2
CONN SEC II 49 POS 100C/L

TE Part #5223964-6
UNV,PWR,MDL,HDR,SEQ

TE Part #1-5536504-4
2MM FB,ASY,192,SIG,HDR,EN,6.50, W/O Lube

Documents

Product Drawings

ASSY,RECPT,R.ANGLE,HDI,LEAD-FR

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5533268-5_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5533268-5_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5533268-5_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_BTB_CONNECTORS_EN

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

Agency Approval Document

English