



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **3**

Number of Rows: **1**

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

Board-to-Board Configuration	Perpendicular
PCB Mount Orientation	Vertical
Number of Positions	3
Number of Rows	1

Body Features

Primary Product Color	Black
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Contact Features

Contact Underplating Material	Nickel
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Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Mating Area Plating Material Thickness	.2 µm[8 µin]
PCB Contact Termination Area Plating Material Thickness	2 µm[78.74 µin]
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Receptacle
Contact Current Rating (Max)	20 A

Termination Features

Termination Method to PCB	Through Hole - Solder
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Mechanical Attachment

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

Housing Features

Housing Material	Glass-Filled Thermoplastic Polyester
Centerline (Pitch)	10.16 mm[.4 in]

Dimensions

PCB Thickness (Recommended)	1.6 mm[.063 in]
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Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]

Operation/Application

Circuit Application	Power
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	15
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Packaging Method

Box, 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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

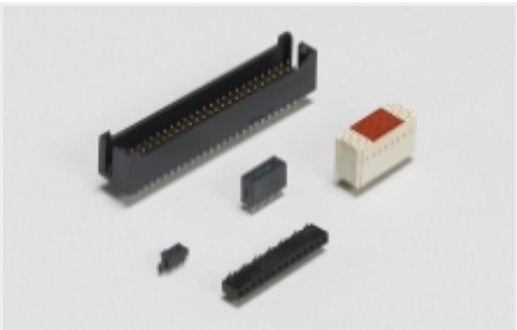
Product Compliance Disclaimer

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>

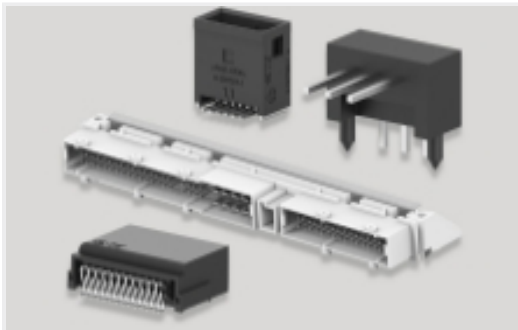
Compatible Parts



Also in the Series | [Dynamic DZ 5200 Series](#)



Board-to-Board Headers & Receptacles(10)



PCB Headers & Receptacles(10)



Rectangular Power Connectors(10)

Customers Also Bought



TE Part #1-178288-3
DYNAMIC DD3100 REC HSG 3P (SGL)



TE Part #CAT-D9934-A75F
DYNAMIC 3200 HDR ASSY



TE Part #CAT-D9934-A75
DYNAMIC 3000 CONTACT



TE Part #CAT-D9934-A75B
Receptacle and Tab Housing: 5.08 mm Pitch, 250-600V



TE Part #42806-2
250 FASTON REC 18-14 AWG TPBR



TE Part #172776-1
MIC MARK-2 REC CONTACT L.P

Documents

- CAD Files

Customer View Model

ENG_CVM_CVM_5-1747147-3_C.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-1747147-3_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-1747147-3_C.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

- Product Specifications
- Product Specification
- Japanese

5-1747147-3

PCB Mount Receptacle, Vertical, Board-to-Board, 3 Position, 10.16 mm [.4 in]
Centerline, Gold (Au), Through Hole - Solder, Dynamic DZ 5200 Series

