



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **10**

Number of Rows: **2**

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	Right Angle
Number of Positions	10
Number of Rows	2

Electrical Characteristics

Operating Voltage	30 VAC
Insulation Resistance	5000 MΩ

Body Features

Primary Product Color	Black
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Contact Features

Contact Mating Area Plating Material Thickness	.762 μm[30 μin]
Mating Square Post Dimension	.38 mm[.015 in]



	150 µin
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Socket
Contact Current Rating (Max)	4 A

Termination Features

Rectangular Termination Post & Tail Width	.2 mm[.008 in]
Rectangular Termination Post & Tail Thickness	4 mm[.016 in]
Termination Post & Tail Length	2.54 mm[.1 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Guide Slot
PCB Mount Retention Type	Hold-Down Post
PCB Mount Retention	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Housing Material	Thermoplastic
Centerline (Pitch)	1.27 mm[.05 in]

Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	5.51 mm[.217 in]
Connector Length	5.51 mm[.217 in]

Usage Conditions

Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
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Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Signal

Industry Standards



Compatible With Approved Standards Products	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Reel Diameter	70 mm
Packaging Quantity	70
Packaging Method	Box, 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 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (13% in 4690971273) 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	Wave solder 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 # 103916-1
10 SYSTEM 50 HDR DRST UNSHRD

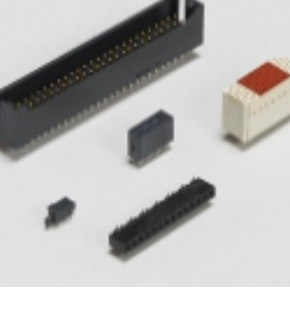


TE Part # 104118-3
10 SYSTEM 50 HDR DRRA UNSHRD

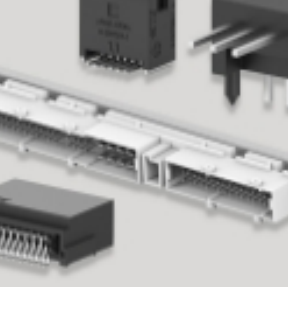


TE Part # 104076-5
10 SYS50 HDR DRST SHRD W/SLOT

Also in the Series | AMPMODU System 50



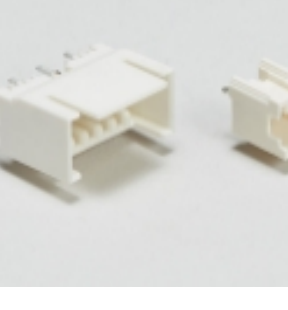
Board-to-Board Headers & Receptacles(685)



PCB Headers & Receptacles(685)



Rectangular Power Connectors(47)



Wire-to-Board Headers & Receptacles (47)

Customers Also Bought



TE Part #2170112-3
Cage Assy SAN Hsink QSFP Behind Bezel



TE Part #104076-5
10 SYS50 HDR DRST SHRD W/SLOT



TE Part #1617125-4
JMAW-18XL = M39016/9-017L



TE Part #2342077-2
2POS HDR 90 DEG,HT,3.81MM PITCH, TL 1.9MM



TE Part #3-1123722-8
3.96 EP PLUG HSG 8P(BLUE)



TE Part #8-2232043-7
7P, RAST 5 Tab Header, THV



TE Part #1-1879350-8
RR01 5% 1R1 AMMO



TE Part #E08328-000
CP-101508-2.5-X



TE Part #445389-1
ARINC DUAL RECPT/CABLES



TE Part #1-1969589-3
HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5



Documents

Product Drawings
10 SYSTEM 50 RCPT ASSY DRRA
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_103911-1_V.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_103911-1_V.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_103911-1_V.3d_stp.zip
English

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Product Specifications
Application Specification
English