



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **10**

Number of Rows: **2**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Receptacle
Connector System	Board-to-Board
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	10
Number of Rows	2
Board-to-Board Configuration	Parallel

Electrical Characteristics

Insulation Resistance	5000 MΩ
Operating Voltage	30 VAC

Body Features

PCB Retention Feature Material	Copper Alloy
PCB Retention Feature Plating Material	Tin over Nickel



Primary Product Color	Black
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Contact Features

	150 µin
Mating Pin Diameter	.46 mm[.018 in]
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.762 µm[30 µin]
Contact Type	Socket
Contact Current Rating (Max)	.5 A

Termination Features

Rectangular Termination Post & Tail Thickness	.08 mm[.003 in]
Rectangular Termination Post & Tail Width	.36 mm[.014 in]
Termination Method to Printed Circuit Board	Surface Mount

Mechanical Attachment

PCB Mount Retention Type	Hold-Down Post
Mating Alignment	With
Mating Alignment Type	Polarizing Tab
PCB Mount Retention	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	1.27 mm[.05 in]
Housing Material	LCP - GF (Liquid Crystal Polymer)

Dimensions

Connector Height	4.75 mm[.187 in]
Row-to-Row Spacing	1.27 mm[.05 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]

Usage Conditions

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

Solder Process Feature	Board Standoff
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Circuit Application	Signal
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Industry Standards

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

Packaging Features

Packaging Quantity	49
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 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow 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 # 5-104894-1
10 50/50 GRID RA HDR LF

TE Part # 5-147382-1
10 50/50 HDR SMT.320 W/HD SN

TE Part # 5-104656-1
10 50/50 HDR DRST SFMNT.320 SN

TE Part # 5-104693-1
10 50/50 HDR DRST SFMNT.390 SN

TE Part # 5-147383-1
10 50/50 HDR SMT.390 W/HD VC

TE Part # 5-111672-1
10P 50/50 CBL RCPT ASSY LF

TE Part # 5-147121-1
10 50/50 HDR DRST SMT.250 SN

TE Part # 5-104655-1
10 50/50 HDR DRST SFMNT TIN

TE Part # 5-104895-1
10 50/50 GRID RA HDR W/LTCH LF

TE Part # 5-147381-1
10 50/50 HDR SMT.250 W/HD SN

TE Part # 5-1571424-5
10 50/50 HDR DRST TH TIN

TE Part # 5-2267258-1
10 50/50 HDR TH/PiP.250 W/HD SN

TE Part # 5-2267260-1
10 50/50 HDR TH/PiP.390 W/HD VC

TE Part # 5-2267255-1
10 50/50 HDR DRST TH.320 SN

TE Part # 5-2267256-1
10 50/50 HDR DRST TH.390 SN

TE Part # 5-2267259-1
10 50/50 HDR TH/PiP.320 W/HD SN

TE Part # 8-2267258-1
10 50/50 HDR TH/PiP.250 W/HD Au FI

Also in the Series | [AMPMODU 50/50 Grid](#)



Connector Caps & Covers(9)

Insertion & Extraction Tools(1)

PCB Headers & Receptacles(299)

Ribbon Cable Connectors(34)

Customers Also Bought

TE Part # MS583730BA01-50
MS5837-30BA01 30BA T&R PRESSURE
SEN

TE Part # 1-1462037-3
IM02TS=IM RELAY 140mW 4.5V

TE Part # 5-103634-2
03 MTE HDR SRRA LATCH.100CL LF

TE Part # 2-2013297-1
EMBOSS TAPE DDR3 204P 8H STD

TE Part # 5-1393238-9
RTD14005

TE Part # 794236-1
04P CMNL HDR ASSY V0

TE Part # 280387-2
2X15P MODU II SHRD HDR,ST,0.38AU

TE Part # 2337233-4
TACT MICRO JB 4.8X4.8X0.55 P3.7
260GF

TE Part # 2-2176307-0
RP 1E 0.1W 19K6 0.1% 25PPM 5K RL

TE Part # 4-826632-0
40P AMPMODU II STIFT LEI

Documents

Product Drawings
10 50/50 GRID DRST SFMNT RCPT
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_5-104652-1_L.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_5-104652-1_L.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5-104652-1_L.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[AMPMODU_INTERCONNECTION_SYSTEM_SECTION1AND2](#)

English

Ribbon Cable Interconnect Solutions

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[Fine Pitch Stacking Connectors - 1.27mm AMPMODU 50/50 Grid Connectors](#)

English

Product Specifications

[Application Specification](#)

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Agency Approvals

[UL Report](#)

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