



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**

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

Number of Positions: **24**

Number of Rows: **1**

Centerline (Pitch): **5.84 mm [.23 in]**

Features

Product Type Features

Connector Shape	Rectangular
PCB Connector Type	PCB Mount Receptacle
Connector System	Board-to-Board
Header Type	Fully Shrouded
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Number of Columns	24
Number of Loaded Positions	24
Mating & Unmating Configuration	Normal
Number of Positions	24
Number of Rows	1
PCB Mount Orientation	Right Angle
Number of Power Positions	24



Electrical Characteristics

Operating Voltage	60 VDC
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Body Features

Primary Product Color	Black
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Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material Thickness	2.54 – 5.08 µm[100 – 200 µin]
Contact Layout	Inline
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Receptacle
Contact Current Rating (Max)	50 A
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.076 µm[3 µin]

Termination Features

Termination Post & Tail Length	3.43 mm[.135 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Centerline (Pitch)	5.84 mm[.23 in]
Housing Material	High Temperature Thermoplastic Glass-Filled

Dimensions

Connector Width	20.83 mm[.82 in]
Connector Height	11.94 mm[.47 in]
Connector Length	151.38 mm[5.96 in]



PCB Thickness (Recommended)	2.11 – 2.62 mm[.083 – .103 in]
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Usage Conditions

Operating Temperature (Max)	125 °C[257 °F]
Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]

Operation/Application

Circuit Application	Power
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Industry Standards

Glow Wire Rating	High Temperature Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	11
Packaging Method	Tray

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	Not reviewed for solder process capability

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 # 6450813-1
MBXL VERT HDR 24 LP

Also in the Series | MULTI-BEAM XLE

Board-to-Board Headers & Receptacles(97)

PCB Headers & Receptacles(97)

Rectangular Connector Housings(12)

Rectangular Power Connectors(106)

Standard Rectangular Connectors(12)

Customers Also Bought

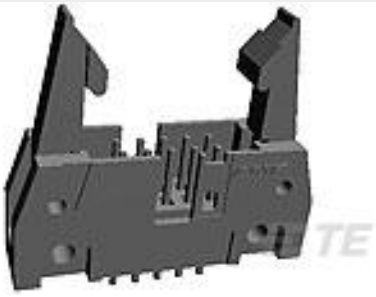
TE Part #1116503-2
MJ,10MM,8P,SHLD,NOPNL TABS,SN

TE Part #3-1761606-3
IDC LOW PRO HDR 40P VERT LA

TE Part #2-1761607-7
IDC LOW PRO HDR 20P RA LAT

TE Part #3-2176246-4
CRGS2512 5% 560R





TE Part #5102321-4
[A/L UNIV HDR 20P VERT LAT](#)

TE Part #6450810-7
[MBXL VERT HDR 1LP+32S+1LP](#)

TE Part #6450813-2
[MBXL VERT HDR 6 LP](#)

TE Part #2-6450870-3
[MBXLE R/A RCPT 1LP+32S+1LP](#)



TE Part #6643281-1
[ICCON,PIN,ASSY](#)

TE Part #1-6450810-1
[MBXL VERT HDR 1LP+32S+1LP](#)

Documents

Product Drawings

[MBXLE R/A REC 48 LP](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_6450873-2_2_c-6450873-2-2.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6450873-2_2_c-6450873-2-2.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6450873-2_2_c-6450873-2-2.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English