



Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **35**

Number of Rows: **4**

Features

Electrical Characteristics

Operating Voltage	60 VDC, 300 VDC
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Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
Connector Width	20.83 mm[.82 in]
PCB Thickness (Recommended)	1.35 mm[.053 in]
Connector Height	11.94 mm[.47 in]
Connector Length	95 mm[3.74 in]

Packaging Features

Packaging Quantity	22
Packaging Method	Tray

Industry Standards

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

Usage Conditions

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

Mechanical Attachment

Mating Alignment Type	Guide Post
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PCB Mount Retention Type	Hold-Down
PCB Mount Alignment Type	Hold-Down
PCB Mount Retention	With
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Termination Features

Termination Post & Tail Length	3.02 mm[.119 in]
Termination Method to PCB	Through Hole - Press-Fit

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 – 2.54 µm[50 – 100 µin]
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
PCB Contact Termination Area Plating Material Thickness	2.54 – 5.08 µm[100 – 200 µin]
Contact Layout	Matrix
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold
Contact Type	Receptacle
Contact Current Rating (Max)	42 A

Housing Features

Housing Material	High Temperature Thermoplastic Glass-Filled
Centerline (Pitch)	5.71 mm, 6.98 mm, 7.62 mm, 2.54 mm[.3 in][.225 in][.275 in][.1 in]

Configuration Features

Number of Columns	17
Number of Loaded Positions	35
Mating & Unmating Configuration	Normal
Number of Signal Positions	24
Number of Power Positions	11
PCB Mount Orientation	Right Angle
Number of Positions	35



Number of Rows	4
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Product Type Features

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

Body Features

Primary Product Color	Black
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Operation/Application

Circuit Application	Power & Signal
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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	Not applicable 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>

Also in the Series

MULTI-BEAM XLE

Board-to-Board Headers & Receptacles(99)

PCB Headers & Receptacles(99)

Rectangular Power Connectors(12)

Customers Also Bought

TE Part #5414907-2
JACK,PCB,75 OHM,NC

TE Part #6345051-1
Z-PACK/A RAMH.110P.

TE Part #1934301-1
TinMan header Assy 3x8 Right

TE Part #5569381-2
STK MJ ASSY,8POS,2X1,SHLD,CAT5

TE Part #6646911-1
CONN,PIN,RT<,SLDR,FLATPAQ

TE Part #1-5146896-1
1FHR,64,50A/S,S,C,S14,15

TE Part #2215084-1
ASSY, SEATING TOOL SPF+ 1X1

TE Part #4-6600333-5
MBXL VERT HDR 2ACP+24S+2ACP

TE Part #6469079-1
HMZD HDR ASSY 4 PR SELECT LOAD

TE Part #87690-3
14 MODII HDR DRST SHRD .100CL

Documents

Product Drawings



MBXLE R/A RCPT 3ACP + 8P + 24S

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6450882-9_2.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_6450882-9_2.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6450882-9_2.3d_stp.zip

English

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Product Specifications

Application Specification

English