

MULTI-BEAM

TE Internal #: 1892801-1
PCB Mount Header, Vertical, Board-to-Board, 18 Position, 2.54 mm / 6.35 mm [.1 in / .25 in] Centerline, Fully Shrouded, Gold, Through Hole - Press-Fit

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Connectors > PCB Connectors > PCB Headers & Receptacles



EU RoHS Compliance: **Compliant**
EU ELV Compliance: **Compliant**
PCB Connector Assembly Type: **PCB Mount Header**
PCB Mount Orientation: **Vertical**
Connector System: **Board-to-Board**

Features

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Type Features

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

Configuration Features

Number of Columns	6
Number of Loaded Positions	18
Mating & Unmating Configuration	Normal
Number of Signal Positions	16
Number of Power Positions	2
PCB Mount Orientation	Vertical
Number of Positions	18
Number of Rows	4



Electrical Characteristics

Operating Voltage	200 VDC, 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]
Contact Size	.64mm
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Mating Square Post Dimension	.64 mm[.025 in]
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material Thickness	2.54 µm[100 µin]
Contact Layout	Matrix
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold
Contact Type	Blade, Tab
Contact Current Rating (Max)	50 A

Termination Features

Termination Post & Tail Length	4.19 mm[.165 in]
Termination Method to PCB	Through Hole - Press-Fit

Mechanical Attachment

Mating Alignment Type	Polarization
PCB Mount Retention Type	Retention Clip/Post
PCB Mount Alignment Type	Retention Clip/Post
PCB Mount Retention	With
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Housing Material	Thermoplastic
Centerline (Pitch)	6.35 mm, 2.54 mm[.25 in][.1 in]



Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
Connector Width	14.58 mm[.574 in]
PCB Thickness (Recommended)	1.35 mm[.053 in]
Connector Height	34.54 mm[1.36 in]
Connector Length	36.58 mm[1.44 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal
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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	24
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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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>

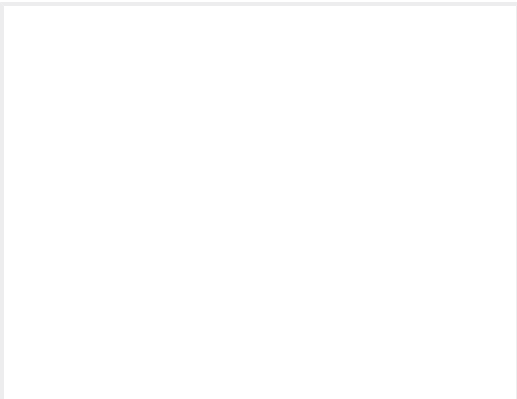
Compatible Parts



TE Part # 1901221-4
[SEATING TOOL ASSY, SIG/POW](#)



TE Part # 6450861-8
[MBXL VERT RCPT 16S + 2P](#)



TE Part # 1-6450862-4
[MB XLE V rcpt 5P+2LP+24S](#)

Customers Also Bought



TE Part #1-794078-0
[22P MINI UMNL HDR W/O DH SN LF](#)



TE Part #DT13-12PB
[HDR, 12P, BLK, RA, NI/CU, B](#)

Documents

Product Drawings
[MBXL VERT HDR 16S+2p](#)
English

CAD Files
[3D PDF](#)
3D
Customer View Model
[ENG_CVM_CVM_1892801-1_2_c-1892801-1-2.2d_dxf.zip](#)
English
Customer View Model
[ENG_CVM_CVM_1892801-1_2_c-1892801-1-2.3d_igs.zip](#)
English
Customer View Model
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Product Specifications

Application Specification

English