

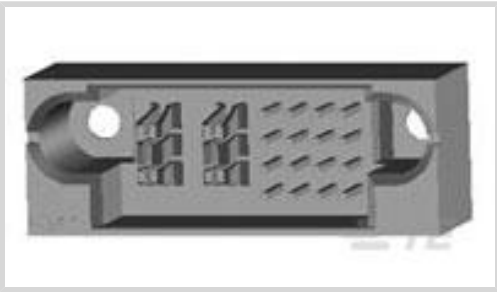


MULTI-BEAM

TE Internal #: 1-6600313-5
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



PCB Connector Assembly Type: **PCB Mount Header**
PCB Mount Orientation: **Vertical**
Connector System: **Board-to-Board**
Number of Positions: **18**
Number of Rows: **4**

Features

Electrical Characteristics

Operating Voltage	200 VDC, 60 VDC
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Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
Connector Width	14.58 mm[.574 in]
Connector Height	12.7 mm[.5 in]
Connector Length	39.37 mm[1.55 in]

Packaging Features

Packaging Quantity	42
Packaging Method	Tray

Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]

Mechanical Attachment

Mating Retention	Without
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

Termination Features

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

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Size	.64mm
Contact Mating Area Plating Material Thickness	.076 µm[3 µin]
Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	2.54 – 5.08 µm[100 – 200 µin]
Contact Shape & Form	Square
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)	42 A

Housing Features

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

Configuration Features

Number of Columns	6
Number of Loaded Positions	18
Number of Signal Positions	16
Number of Power Positions	2
PCB Mount Orientation	Vertical



Number of Positions	18
Number of Rows	4

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
Sealable	No
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	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 # 2-6450542-3
MBXL VERT RCPT 2P+16S

Customers Also Bought

TE Part #1614770-4
BDS 2 A 250 10R 10%

TE Part #ZPF000000000136485
RECEPTACLE MALE FOR 12 PINS, CAL1,6TE Part #EC9833-000
ZHD-SCE-3.2-50-S1-4TE Part #1-1415543-5
RTE44110TE Part #ASA158F12390235000
623 PLUGTE Part #ZPF000000000205373
PLUG MALE ANG.90 CAL.20 - FXPTE Part #YZ-KC-212751A-PY00
TOOL DISMOUNTING - FXP2TE Part #55992-1
TERMINAL,AMPOWER R 2/0 5/16TE Part #ZPF000000000205378
CONTACT MALE ANG.90, CAL20, 120MM2 - FXPTE Part #ZPF000000000205388
CONTACT FEMALE CAL.20, M12 - FXP

Documents



Product Drawings

MBXL VERT HDR 2P+16S

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-6600313-5_E2.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-6600313-5_E2.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-6600313-5_E2.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

2_PIECE_POWER_CONNECTORS_qrg_4-1773458-1

English

Product Specifications

Application Specification

English