

MULTI-BEAM

TE Internal #: 6450550-1

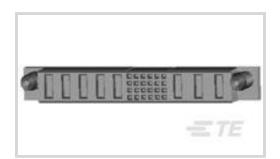
Header, Receptacle, Board-to-Board, 32 Position, 2.54 mm / 6.35 mm / 7.62 mm [.1 in / .25 in / .3 in] Centerline, Rectangular Power

Connectors

View on TE.com >



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: Header

Connector & Housing Type: Receptacle
Connector System: Board-to-Board

Number of Positions: 32

Centerline (Pitch): 2.54 mm, 6.35 mm, 7.62 mm [.1 in, .25 in, .3 in]

Features

Product Type Features

Rectangular Power Connector Type	Header
Connector & Housing Type	Receptacle
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	32
PCB Mount Orientation	Vertical
Number of Power Positions	8
Number of Signal Positions	24
Number of Rows	4

Electrical Characteristics

Operating Voltage	60 VDC, 200 VDC, 300 VDC

Contact Features

Power Contact Base Material	Tin
Contact Underplating Material Thickness	3.43 µm
Contact Mating Area Plating Material	Gold Flash over Palladium Nickel
Contact Underplating Material	Nickel



Contact Current Rating (Max)	42 A
Contact Retention Within Housing	Without
Contact Type	Receptacle
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
Termination Features	
Termination Post & Tail Length	3.43 mm[.135 in]
Termination Method to PCB	Through Hole - Press-Fit
Mechanical Attachment	
PCB Mount Retention	With
PCB Mount Retention Type	Action/Compliant Tail
Mating Retention Type	Action/Compliant Tail
Connector Mounting Type	Board Mount
Housing Features	
Centerline (Pitch)	2.54 mm, 6.35 mm, 7.62 mm[.1 in][.25 in][.3 in]
Housing Color	Black
Housing Material	High Temperature Thermoplastic
Dimensions	
Row-to-Row Spacing	2.54 mm[.1 in]
Usage Conditions	
Operating Temperature Range	-20 - 105 °C[-4 - 221 °F]
Operation/Application	
Circuit Application	Power & Signal
Industry Standards	
UL Flammability Rating	UL 94V-0
Glow Wire Rating	High Temperature Part - Not Glow Wire
Packaging Features	
Packaging Method	Box

Product Compliance

For compliance documentation, visit the product page on TE.com>

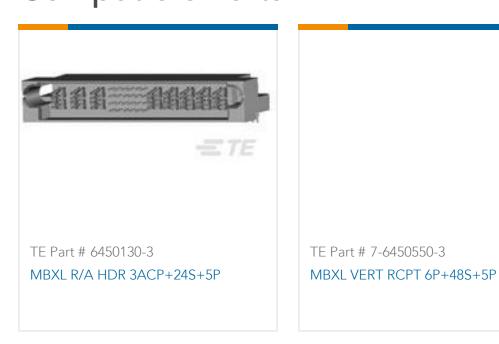


EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°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



Customers Also Bought

















Documents

Product Drawings

MBXL VERT RCPT 3ACP+24S+5P

English

CAD Files

Customer View Model

ENG_CVM_CVM_6450550-1_T3.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6450550-1_T3.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6450550-1_T3.3d_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