1-6450550-5 ✓ ACTIVE

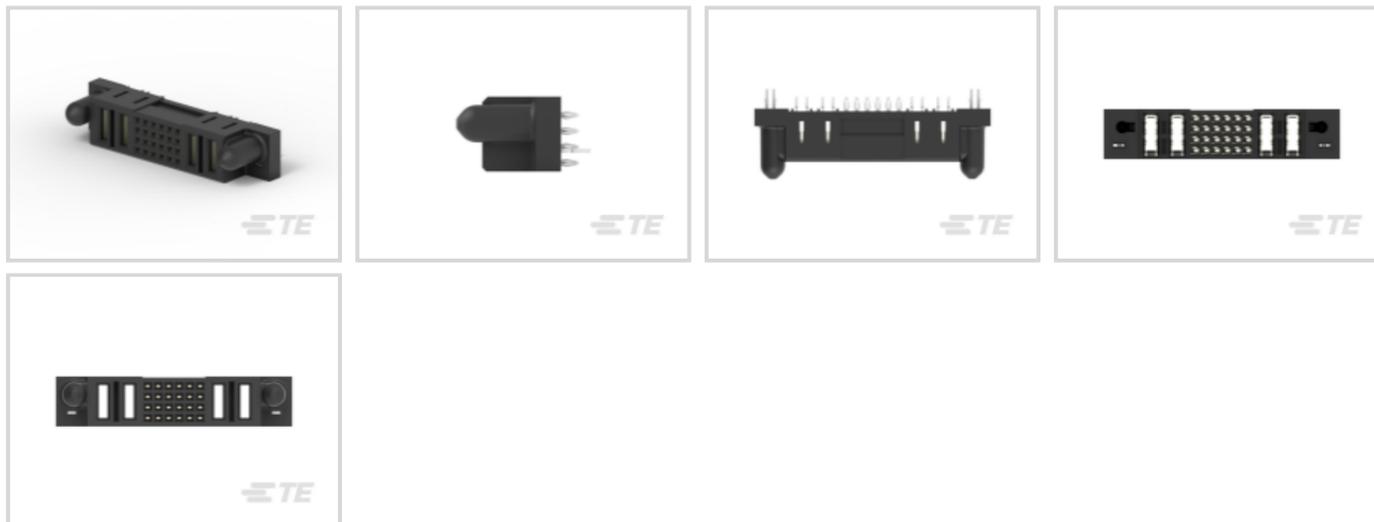## MULTI-BEAM

TE Internal #: 1-6450550-5

Header, Receptacle, Board-to-Board, 28 Position, 2.54 mm / 6.35 mm [.1 in / .25 in] Centerline, Printed Circuit Board, 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: **28**

Centerline (Pitch):   **2.54 mm, 6.35 mm [.1 in, .25 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	28
PCB Mount Orientation	Vertical
Number of Power Positions	4
Number of Signal Positions	24
Number of Rows	4

Electrical Characteristics

Operating Voltage	60 VDC, 200 VDC

Contact Features

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Contact Mating Area Plating Material	Gold
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 Method to PCB	Through Hole - Press-Fit

Mechanical Attachment

Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	2.54 mm, 6.35 mm[.1 in][.25 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	Package

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

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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 # 1-6450530-1
MBXL R/A HDR 2P+24S+2P

Customers Also Bought

TE Part #1-1393210-5
T9AS1D12-18

TE Part #6-104068-1
24 SYSTEM 50 HDR DRST SHRD

TE Part #1-6450869-3
MBXLE VERT RCPT 2P

TE Part #1SNA356102R0300
DBTI12-BL

Documents

Product Drawings
MBXL VERT RCPT 2P+24S+2P

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Header, Receptacle, Board-to-Board, 28 Position, 2.54 mm / 6.35 mm [.1 in / .25 in] Centerline, Printed Circuit Board, Rectangular Power Connectors

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-6450550-5_T.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-6450550-5_T.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-6450550-5_T.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Product Specifications

Application Specification

English