

6450823-1 ✓ ACTIVE

MULTI-BEAM | MULTI-BEAM XLE

TE Internal #: 6450823-1

Rectangular Power Connectors, Connector Assembly, Plug, Board-to-Board, 4 Position, 5.08 mm [.2 in] Centerline, Printed Circuit Board, MULTI-BEAM XLE

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Connector Assembly**

Connector & Housing Type: **Plug**

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

Number of Positions: **4**

Centerline (Pitch): **5.08 mm [.2 in]**

Features

Product Type Features

Assembly Requirement	Factory Assembled
Rectangular Power Connector Type	Connector Assembly
Connector & Housing Type	Plug
Connector System	Board-to-Board
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Mating & Unmating Configuration	Normal
Number of Positions	4
PCB Mount Orientation	Vertical
Number of Power Positions	4
Number of Rows	1

Electrical Characteristics

Operating Voltage	60 VDC
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Contact Features

Power Contact Base Material	Tin
Contact Current Rating (Max)	42 A
Contact Retention Within Housing	Without
Contact Type	Blade



PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.76 μm [30 μin]
Underplate Material Thickness	4.19 μm

Termination Features

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

Mechanical Attachment

PCB Mount Retention	With
PCB Mount Retention Type	Boardlock
Connector Mounting Type	Board Mount
Mating Retention Type	Boardlock

Housing Features

Centerline (Pitch)	5.08 mm[.2 in]
Housing Color	Black
Housing Material	Thermoplastic

Usage Conditions

Operating Temperature Range	-20 – 105 $^{\circ}\text{C}$ [-4 – 221 $^{\circ}\text{F}$]
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Operation/Application

Circuit Application	Power
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Industry Standards

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

Packaging Features

Packaging Method	Tray
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Other

Wire Color	Black
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Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant

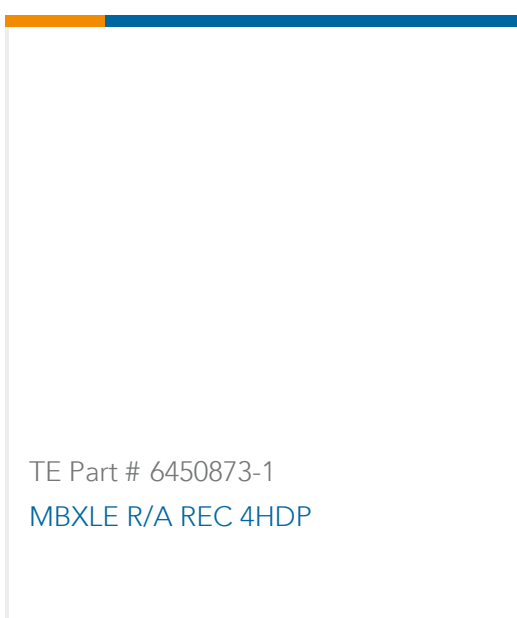


China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 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



Also in the Series | MULTI-BEAM XLE



Documents

Product Drawings



VERTICAL HEADER W/ SHORT 4HDP

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_6450823-1_2.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6450823-1_2.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6450823-1_2.3d_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

Product Environmental Compliance

[TE Material Declaration](#)

English