

#### MULTI-BEAM | MULTI-BEAM XLE

TE Internal #: 6450840-7 PCB Mount Header, Right Angle, Board-to-Board, 26 Position, 2.54 mm [.1 in] Centerline, Fully Shrouded, Gold (Au), MULTI-BEAM XLE View on TE.com >



Connectors > PCB Connectors > PCB Headers & Receptacles



# PCB Connector Type: PCB Mount Header PCB Mount Orientation: Right Angle

Connector System: Board-to-Board

Number of Positions: 26

Number of Rows: **4** 

### Features

### Product Type Features

Mixed & Hybrid Header	Yes
Connector Shape	Rectangular
PCB Connector Type	PCB Mount Header
Connector System	Board-to-Board

Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly
Configuration Features	
Number of Columns	8
Number of Loaded Positions	26
Mating & Unmating Configuration	Normal
Number of Signal Positions	24
Number of Power Positions	2
PCB Mount Orientation	Right Angle
Number of Positions	26
Number of Rows	4
Electrical Characteristics	
Operating Voltage	60 VDC

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## **Body Features**

Primary Product Color	Black	
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 (Au)	
Contact Type	Blade, Tab	
Contact Current Rating (Max)	50 A	

### Termination Features

Termination Post & Tail Length	3.05 mm[.12 in]
Termination Method to PCB	Through Hole - Press-Fit
Mechanical Attachment	
Mating Retention	Without
Mating Alignment Type	Polarization
PCB Mount Retention Type	Hold-Down
PCB Mount Alignment Type	Hold-Down
PCB Mount Retention	With
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Mating Alignment	With
Housing Features	
Housing Material	High Temperature Thermoplastic Glass- Filled
Centerline (Pitch)	2.54 mm[.1 in]
Dimensions	

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Row-to-Row Spacing	2.54 mm[.1 in]	
Connector Width	23.62 mm[.93 in]	
PCB Thickness (Recommended)	1.35 mm[.053 in]	
Connector Height	14.58 mm[.574 in]	
Connector Length	39.12 mm[1.54 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	
Industry Standards		
Glow Wire Rating	High Temperature Part - Not Glow Wire	
UL Flammability Rating	UL 94V-0	
Packaging Features		
Packaging Quantity	66	
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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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

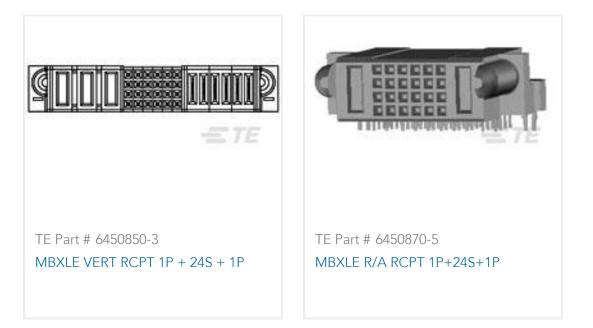
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

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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

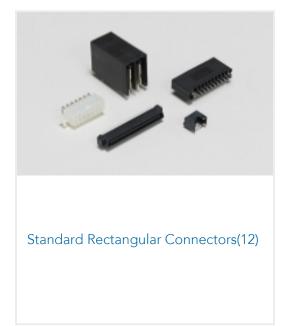
# **Compatible Parts**



# Also in the Series MULTI-BEAM XLE



Board-to-Board Headers & Receptacles(97)	PCB Headers & Receptacles(97)	Rectangular Connector Housings(12)	Rectangular Power Connectors(106)
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# **Customers Also Bought**

PCB Mount Header, Right Angle, Board-to-Board, 26 Position, 2.54 mm [.1 in] Centerline, Fully Shrouded, Gold (Au), MULTI-BEAM XLE





### Documents

### Product Drawings MBXLE R/A HEADER 1P+24S+1P

English

#### **CAD** Files

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_6450840-7\_E4.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_6450840-7\_E4.3d\_igs.zip

English

Customer View Model

### ENG\_CVM\_CVM\_6450840-7\_E4.3d\_stp.zip

English

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

## Datasheets & Catalog Pages POWER\_CONNECTORS\_CATALOG\_SEC01\_BOARD\_TO\_BOARD

English

MULTI-BEAM XLE Connectors Quick Reference Guide

English

#### 2\_PIECE\_POWER\_CONNECTORS\_qrg\_4-1773458-1

English

Product Specifications Application Specification

English