

**3-6450840-0**

✓ ACTIVE

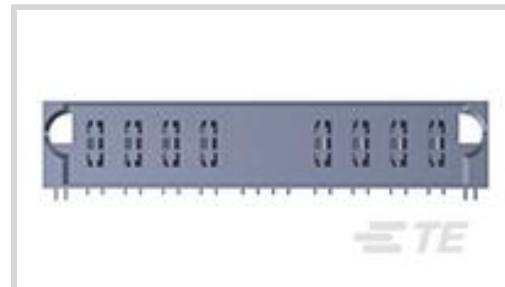
**MULTI-BEAM | MULTI-BEAM XLE**

TE Internal #: 3-6450840-0

PCB Mount Header, Right Angle, Board-to-Board, 24 Position, 2.54 mm / 2.92 mm / 6.35 mm [.1 in / .115 in / .25 in] Centerline, MULTI-BEAM XLE

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Connectors &gt; PCB Connectors &gt; PCB Headers &amp; Receptacles

PCB Connector Assembly Type: **PCB Mount Header**PCB Mount Orientation: **Right Angle**Connector System: **Board-to-Board**Number of Positions: **24**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	23.62 mm [.93 in]
PCB Thickness (Recommended)	1.35 mm [.053 in]
Connector Height	14.58 mm [.574 in]
Connector Length	74.68 mm [2.94 in]

**Other**

Position Locations Omitted	R51, Z52, Y52
Number of Blocked Positions	3
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

**Packaging Features**

Packaging Quantity	33
Packaging Method	Package

**Industry Standards**

Glow Wire Rating	High Temperature Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

### Usage Conditions

Operating Temperature (Max)	125 °C[257 °F]
Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]

### 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

### Termination Features

Termination Post & Tail Length	3.05 mm[.12 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]
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material Thickness	2.54 – 5.08 µm[100 – 200 µin]
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)	50 A

### Housing Features

Housing Material	High Temperature Thermoplastic Glass-Filled
Centerline (Pitch)	6.35 mm, 2.92 mm, 2.54 mm[.115 in][.25 in][.115 in][.25 in]

1 in]

### Configuration Features

Number of Columns	12
Number of Loaded Positions	21
Number of Signal Positions	16
Number of Power Positions	8
PCB Mount Orientation	Right Angle
Number of Positions	24
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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### Product Compliance

For compliance documentation, visit the product page on [TE.com](http://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

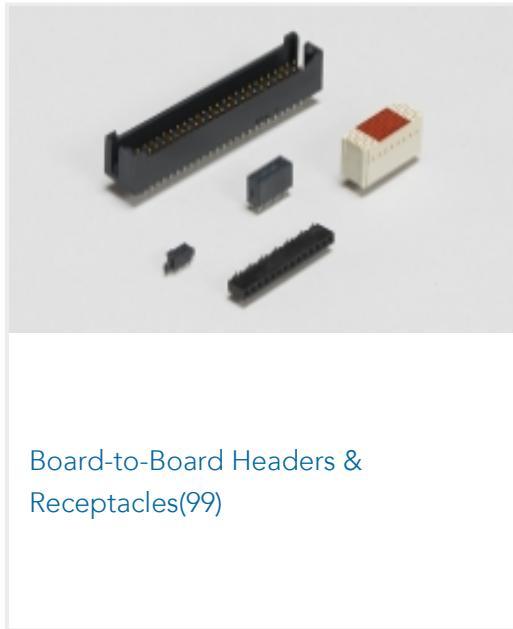
## Product Compliance Disclaimer

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



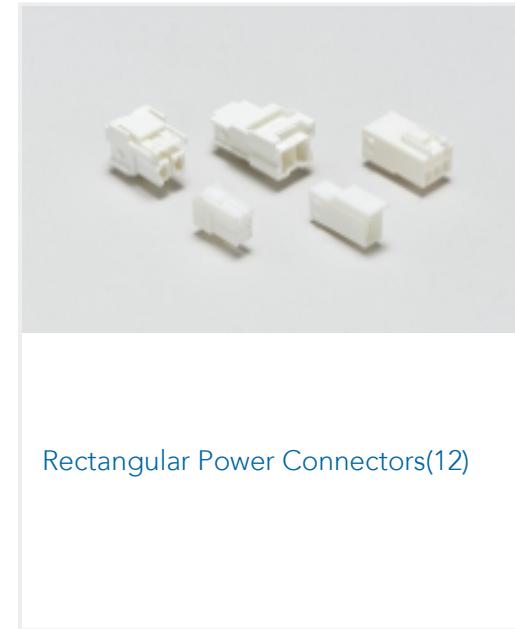
TE Part # 2-6450880-4  
MBXLE R/A RCPT 4P16S4P

Also in the Series | **MULTI-BEAM XLE**

Board-to-Board Headers & Receptacles(99)



PCB Headers & Receptacles(99)



Rectangular Power Connectors(12)

## Customers Also Bought



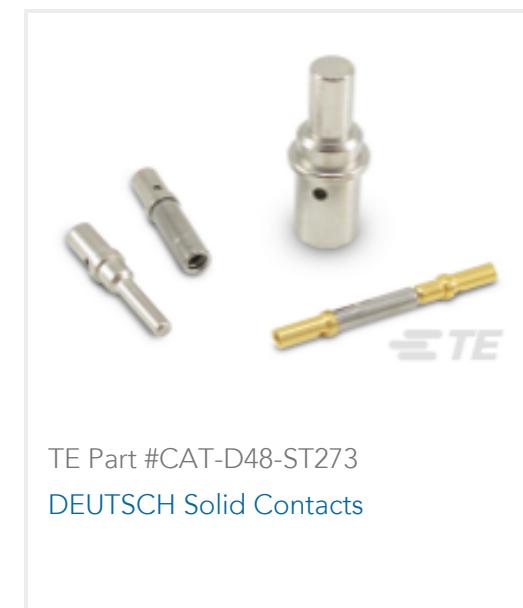
TE Part # DT04-2P  
REC, 2P, GRY, N



TE Part # DT06-2S  
PLG, 2P, GRY, N



TE Part # CAT-D487-W416  
Wedgelocks: DEUTSCH DT



TE Part # CAT-D48-ST273  
DEUTSCH Solid Contacts



## Documents

### Product Drawings

#### MBXLE R/A PLUG 4P + 16S + 4P

English

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### CAD Files

#### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_3-6450840-0\\_G.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-6450840-0\\_G.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-6450840-0\\_G.3d\\_stp.zip](#)

English

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### Product Specifications

#### Application Specification

English

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### Agency Approvals

#### UL Report

English