

**6450882-9**

✓ ACTIVE

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

TE Internal #: 6450882-9

PCB Mount Receptacle, Right Angle, Board-to-Board, 35 Position,  
2.54 mm / 5.71 mm / 6.98 mm [.1 in / .275 in / .3 in] Centerline,  
MULTI-BEAM XLE

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

PCB Connector Assembly Type: **PCB Mount Receptacle**PCB Mount Orientation: **Right Angle**Connector System: **Board-to-Board**Number of Positions: **35**Number of Rows: **4****Features****Electrical Characteristics**

Operating Voltage	60 VDC, 300 VDC
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**Dimensions**

Row-to-Row Spacing	2.54 mm [.1 in]
Connector Width	20.83 mm [.82 in]
PCB Thickness (Recommended)	1.35 mm [.053 in]
Connector Height	11.94 mm [.47 in]
Connector Length	95 mm [3.74 in]

**Packaging Features**

Packaging Quantity	22
Packaging Method	Tray

**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 Alignment Type	Guide Post
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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	3.02 mm [.119 in]
Termination Method to PCB	Through Hole - Press-Fit

#### Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 – 2.54 µm [50 – 100 µin]
Contact Mating Area Plating Material Thickness	.76 µm [30 µin]
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	Receptacle
Contact Current Rating (Max)	42 A

#### Housing Features

Housing Material	High Temperature Thermoplastic Glass-Filled
Centerline (Pitch)	5.71 mm, 6.98 mm, 7.62 mm, 2.54 mm [.3 in] [.225 in] [.275 in] [.1 in]

#### Configuration Features

Number of Columns	17
Number of Loaded Positions	35
Mating & Unmating Configuration	Normal
Number of Signal Positions	24
Number of Power Positions	11
PCB Mount Orientation	Right Angle
Number of Positions	35

Number of Rows

4

**Product Type Features**

Mixed & Hybrid Header	Yes
Connector Shape	Rectangular
PCB Connector Assembly Type	PCB Mount Receptacle
Connector System	Board-to-Board
Header Type	Fully Shrouded
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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**Other**

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

**Product Compliance**For compliance documentation, visit the product page on [TE.com](http://TE.com)>

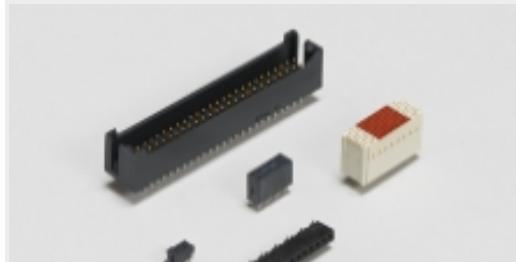
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

## Product Compliance Disclaimer

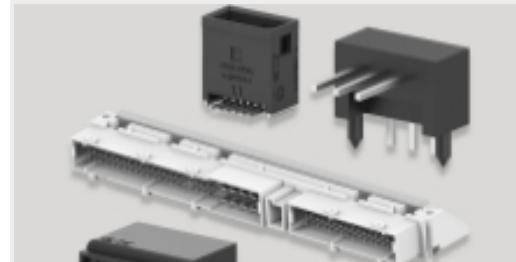
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

## Also in the Series | MULTI-BEAM XLE



Board-to-Board Headers &amp; Receptacles(99)

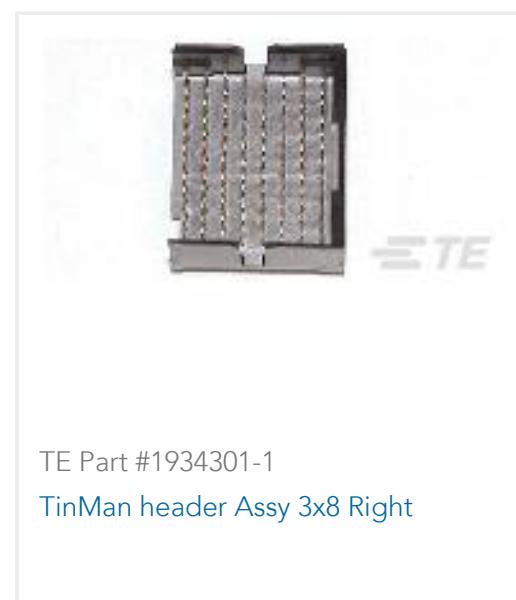
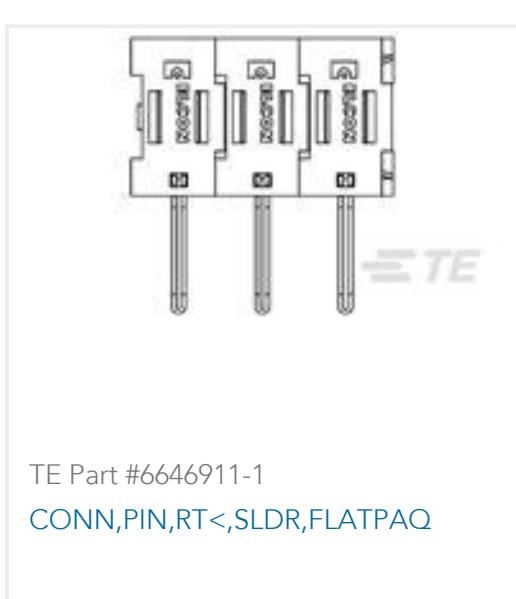


PCB Headers &amp; Receptacles(99)



Rectangular Power Connectors(12)

## Customers Also Bought

TE Part #5414907-2  
JACK,PCB,75 OHM,NCTE Part #6345051-1  
Z-PACK/A RAMH.110P.TE Part #1934301-1  
TinMan header Assy 3x8 RightTE Part #5569381-2  
STK MJ ASSY,8POS,2X1,SHLD,CAT5TE Part #6646911-1  
CONN,PIN,RT<,SLDR,FLATPAQTE Part #1-5146896-1  
1FHR,64,50A/S,S,C,S14,15TE Part #2215084-1  
ASSY, SEATING TOOL SPF+ 1X1TE Part #4-6600333-5  
MBXL VERT HDR 2ACP+24S+2ACPTE Part #6469079-1  
HMZD HDR ASSY 4 PR SELECT LOADTE Part #87690-3  
14 MODII HDR DRST SHRD .100CL

## Documents

### Product Drawings

**MBXLE R/A RCPT 3ACP + 8P + 24S**

English

**CAD Files**[3D PDF](#)

3D

**Customer View Model**[ENG\\_CVM\\_CVM\\_6450882-9\\_2.2d\\_dxf.zip](#)

English

**Customer View Model**[ENG\\_CVM\\_CVM\\_6450882-9\\_2.3d\\_igs.zip](#)

English

**Customer View Model**[ENG\\_CVM\\_CVM\\_6450882-9\\_2.3d\\_stp.zip](#)

English

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English