

6450849-6 ✓ ACTIVE

MULTI-BEAM | MULTI-BEAM XLE

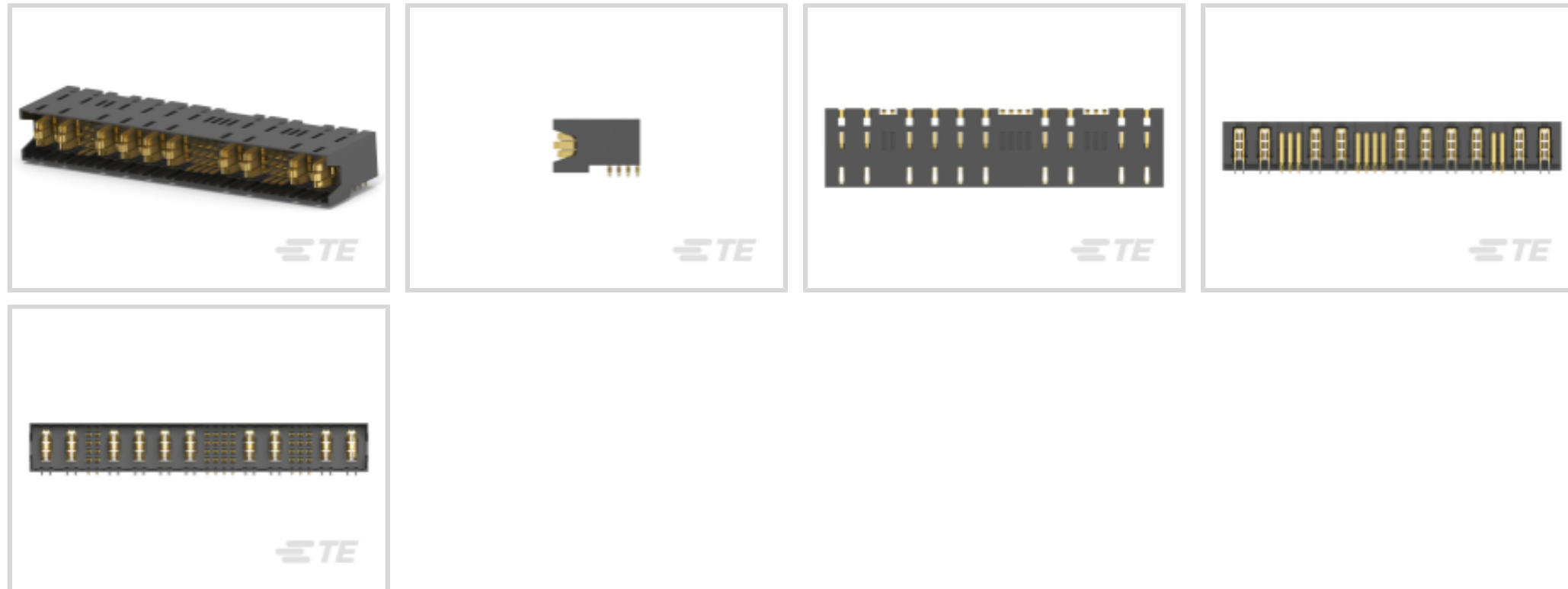
TE Internal #: 6450849-6

Rectangular Power Connectors, Connector Assembly, Plug, Board-to-Board, 46 Position, .3 in / .1 in [7.62 mm / 2.54 mm] Centerline, 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: **46**

Centerline (Pitch): **2.54 mm, 7.62 mm [ .1 in, .3 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	46
PCB Mount Orientation	Right Angle
Number of Power Positions	10
Number of Signal Positions	36
Number of Rows	4

### Electrical Characteristics

Operating Voltage	60 VDC, 300 VDC
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### Contact Features

Power Contact Base Material	Tin
Contact Current Rating (Max)	50 A
Contact Retention Within Housing	Without
Contact Type	Blade, Pin
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Noble Metal
Contact Mating Area Plating Material Thickness	.76 $\mu\text{m}$ [30 $\mu\text{in}$ ]
Underplate Material Thickness	5.33 $\mu\text{m}$

### Termination Features

Termination Post & Tail Length	5.33 mm[.209 in]
Termination Method to Printed Circuit Board	Through Hole - Press-Fit

### Mechanical Attachment

PCB Mount Retention	With
PCB Mount Retention Type	Action/Compliant Tail
Connector Mounting Type	Board Mount
Mating Retention Type	Action/Compliant Tail

### Housing Features

Centerline (Pitch)	2.54 mm, 7.62 mm[.1 in][.3 in]
Housing Color	Black
Housing Material	High Temperature Thermoplastic

### Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
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### Usage Conditions

Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]
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### Operation/Application

Circuit Application	Power & Signal
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### Industry Standards

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

### Packaging Features

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Packaging Method	Tape
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### Other

Wire Color	Black
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## 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: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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

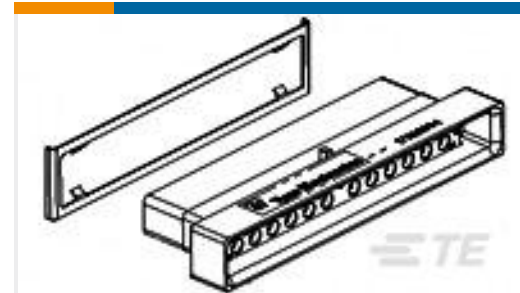


Also in the Series | **MULTI-BEAM XLE**



Rectangular Power Connectors(109)

## Customers Also Bought

TE Part #1-1469492-1  
MULTIGIG RT 9MM GUIDE/ESD 0 DEGTE Part #1738965-1  
BACKPLANE CONNECTOR KITTE Part #1-1469492-7  
MULTIGIG RT 9MM GUIDE/ESD 270 DEGTE Part #1996706-1  
8 POS VITA 67.2 RF MODULE,  
BACKPLANE,SMPMTE Part #YDTS20W13-35BNV001  
RECP ASSYTE Part #YDTS20W19-35BNV001  
RECP ASSYTE Part #YDTS20W25-35BAV001  
D38999: Square Flange, 25-35 insertTE Part #2302791-1  
VERTRECASSY,CENTER,RTM,  
MULTIGIG RT3TE Part #2332817-1  
Vert RCPT Left End Half Multigig RT 3

## Documents

### Product Drawings

[MBXLE 2ACP+8S+4ACP+16S+2ACP+12S+2ACP](#)

English

### CAD Files

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_6450849-6\\_A1.2d\\_dxf.zip](#)



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_6450849-6\\_A1.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_6450849-6\\_A1.3d\\_stp.zip](#)

English

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**Datasheets & Catalog Pages**

[2\\_PIECE\\_POWER\\_CONNECTORS\\_qrg\\_4-1773458-1](#)

English

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**Product Specifications**

[Application Specification](#)

English

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**Product Environmental Compliance**

[MD\\_6450849-6\\_09282016052\\_dmtec](#)

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