

# MBXLE

2ACP+8S+4ACP+16S+2ACP+12S+2ACP ✓ ACTIVE



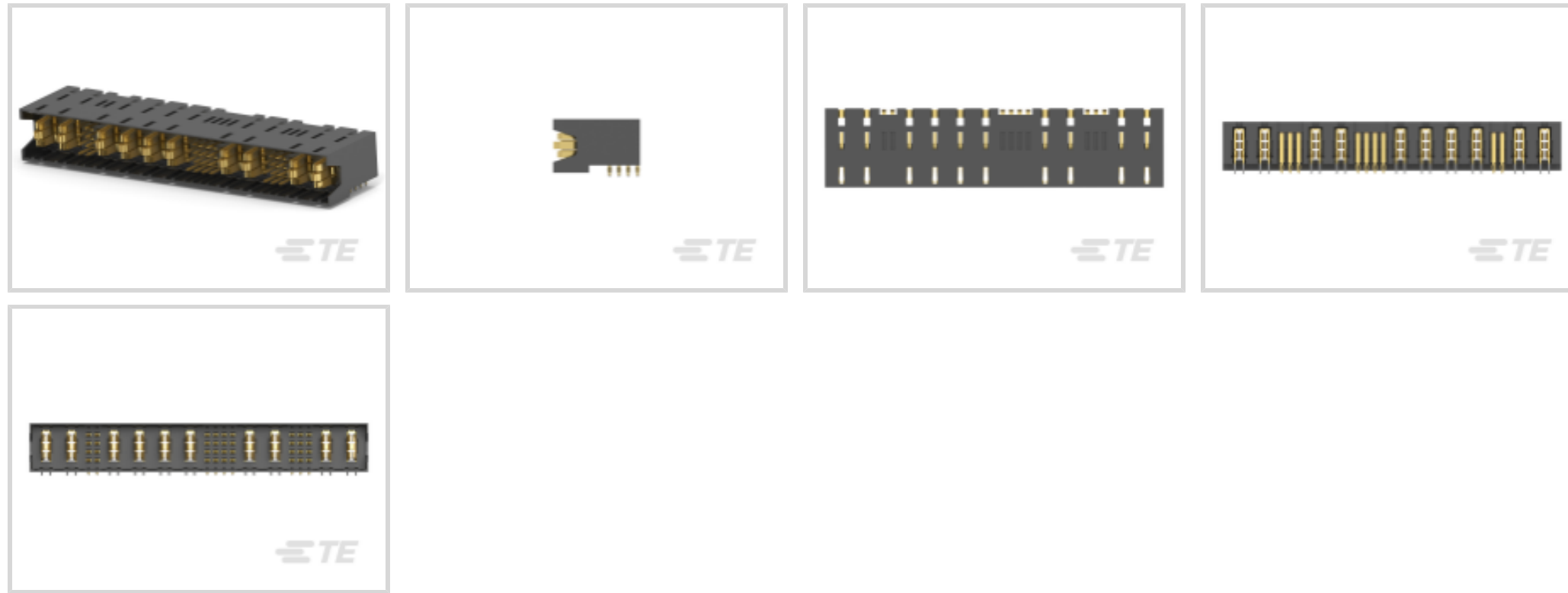
[MULTI-BEAM](#) | [MULTI-BEAM XLE](#)

TE Part # 6450849-6

TE Internal #: 6450849-6

[View on TE.com >](#)

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Product Type: **Header**

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

Product Type	Header
Housing Type	Plug
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Contact Type	Pin

### Configuration Features

Number of Positions	46
PCB Mount Orientation	Right Angle
Number of Power Positions	10
Number of Signal Positions	36
Number of Rows	4
Row-to-Row Spacing	2.54 mm[.1 in]
Board-to-Board Configuration	Right Angle



**Electrical Characteristics**

Operating Voltage	60 VDC, 300 VDC
-------------------	-----------------

**Contact Features**

Power Contact Material	Tin
Contact Current Rating (Max)	50 A
Contact Retention	Without
Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Noble Metal
Contact Mating Area Plating Thickness	.76 µm[30 µin]
Underplate Material Thickness	5.33 µm

**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]
UL Flammability Rating	UL 94V-0
Housing Color	Black
Housing Material	High Temperature Thermoplastic

**Usage Conditions**

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
------------------	---------------------------------------

**Packaging Features**

Packaging Method	Tape
------------------	------



## 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 2019 (197) Candidate List Declared Against: DEC 2012 (138)
Halogen Content	Not Yet Reviewed for halogen content
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

## Compatible Parts



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



Rectangular Power Connectors(170)

## Customers Also Bought



TE Part #1410971-3  
MULTIGIG RT T2 7RW H-LFT RTM



TE Part #1-1469492-3  
MULTIGIG RT 9MM GUIDE /ESD 90 DEG



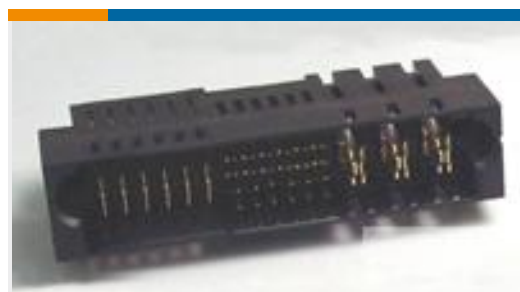
TE Part #1-1469492-2  
MULTIGIG RT 9MM GUIDE /ESD 45 DEG



TE Part #1410964-1  
MULTIGIG RT T2 .8" BP FULL CNT



TE Part #1-1469491-3  
MULTIGIG RT GUIDEPIN, 9MM 4.20



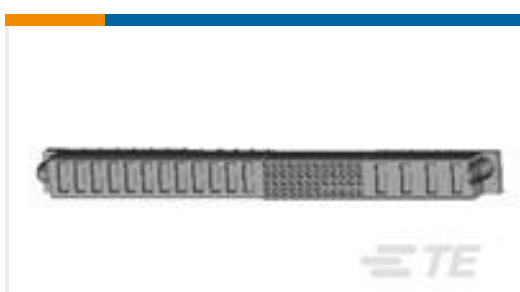
TE Part #6450843-6  
MBXLE R/A HEADER 7ACP



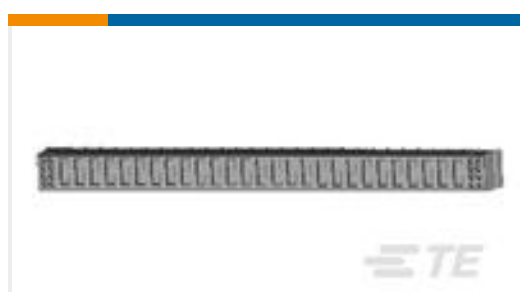
TE Part #2110487-1  
QSFP Cage, Solder Leg, No HS Opening



TE Part #1410966-1  
MULTIGIG RT T2 .8" BP FULL CNTR RTM SEL



TE Part #6450863-5  
MBXLE VERT RCPT 7ACP



TE Part #1-6450869-0  
V/R  
2ACP+8S+4ACP+16S+2ACP+12S+2ACP

## 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

---

**Datasheets & Catalog Pages**

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

English

---

**Product Specifications**

[Application Specification](#)

English

---

**Product Environmental Compliance**

[TE Material Declaration](#)

English