

6450833-7 ✓ ACTIVE

MULTI-BEAM | MULTI-BEAM XLE

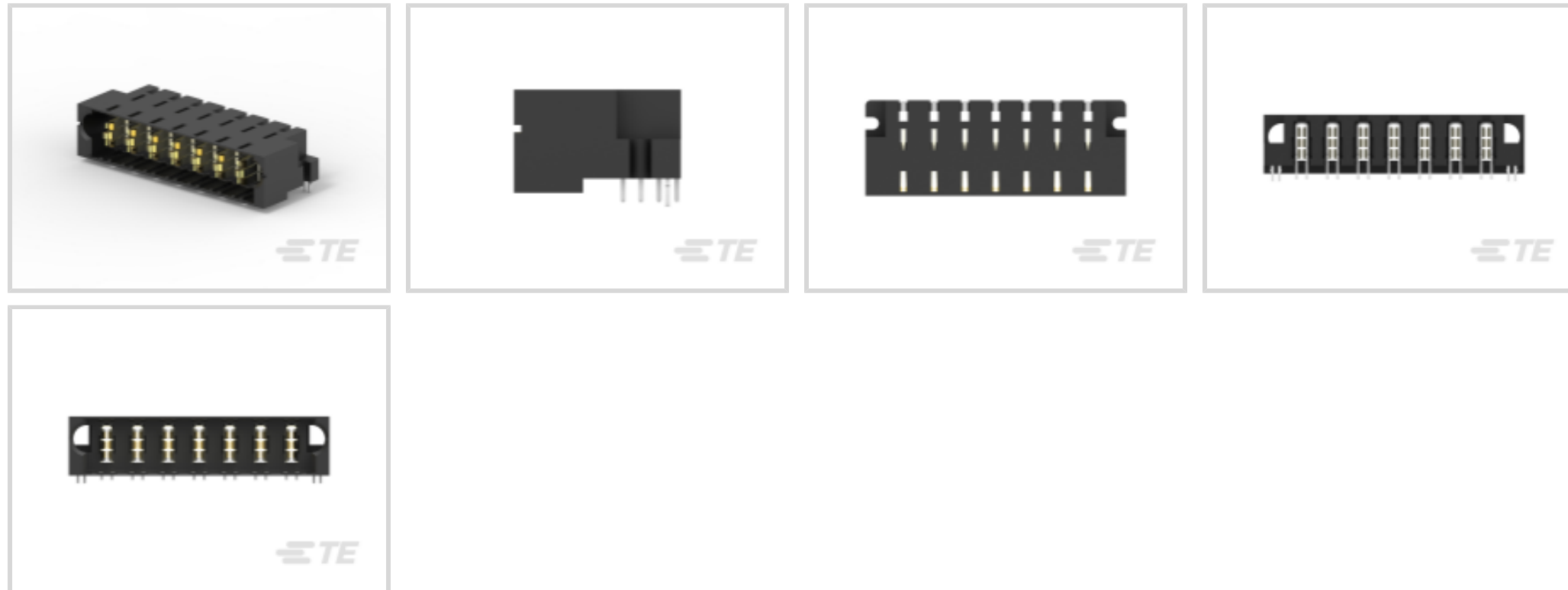
TE Internal #: 6450833-7

Rectangular Power Connectors, Connector Assembly, Plug, Board-to-Board, 7 Position, 7.62 mm [.3 in] Centerline, Printed Circuit Board, 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: **7**

Centerline (Pitch): **7.62 mm [.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 | 7 |
| PCB Mount Orientation | Right Angle |
| Number of Power Positions | 7 |
| Number of Rows | 1 |

Electrical Characteristics

| | |
|-------------------|---------|
| Operating Voltage | 300 VDC |
|-------------------|---------|

Body Features



| | |
|-------------------|-------|
| Wire Color (Base) | Black |
|-------------------|-------|

Contact Features

| | |
|--------------------------------------|------|
| Contact Mating Area Plating Material | Gold |
|--------------------------------------|------|

| | |
|-------------------------------|--------|
| Contact Underplating Material | Nickel |
|-------------------------------|--------|

| | |
|------------------------------|------|
| Contact Current Rating (Max) | 50 A |
|------------------------------|------|

| | |
|----------------------------------|---------|
| Contact Retention Within Housing | Without |
|----------------------------------|---------|

| | |
|--------------|-------|
| Contact Type | Blade |
|--------------|-------|

| | |
|---|-----|
| PCB Contact Termination Area Plating Material | Tin |
|---|-----|

| | |
|--|--|
| Contact Mating Area Plating Material Thickness | .76 μm [30 μin] |
|--|--|

Termination Features

| | |
|---|-----------------------|
| Termination Method to Printed Circuit Board | Through Hole - Solder |
|---|-----------------------|

Mechanical Attachment

| | |
|-------------------------|-------------|
| Connector Mounting Type | Board Mount |
|-------------------------|-------------|

Housing Features

| | |
|--------------------|----------------|
| Centerline (Pitch) | 7.62 mm[.3 in] |
|--------------------|----------------|

| | |
|---------------|-------|
| Housing Color | Black |
|---------------|-------|

| | |
|------------------|--------------------------------|
| Housing Material | High Temperature Thermoplastic |
|------------------|--------------------------------|

Usage Conditions

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|-----------------------------|--|
| Operating Temperature Range | -40 – 125 $^{\circ}\text{C}$ [-40 – 257 $^{\circ}\text{F}$] |
|-----------------------------|--|

Operation/Application

| | |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

Industry Standards

| | |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

| | |
|------------------|---------------------------------------|
| Glow Wire Rating | High Temperature Part - Not Glow Wire |
|------------------|---------------------------------------|

Packaging Features

| | |
|------------------|---------|
| Packaging Method | Package |
|------------------|---------|

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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Not reviewed 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**



Rectangular Power Connectors(111)

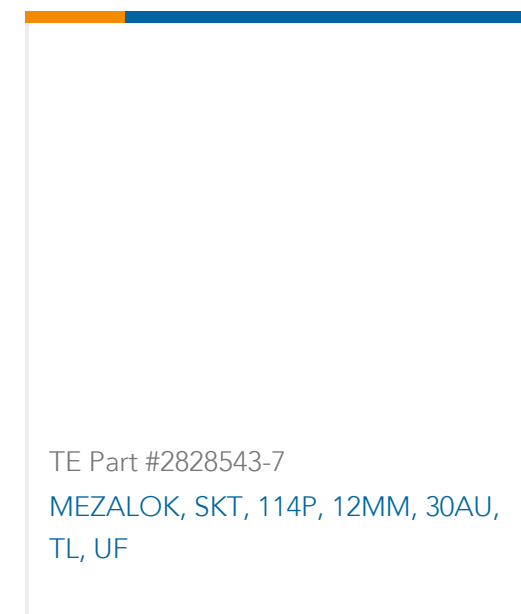
Customers Also Bought

TE Part #2102060-1
Mezalok, Pin, 114 p, 50 Au, TL

TE Part #2102735-1
BP, Half Left End, MULTIGIG RT 2R

TE Part #1410188-3
MULTIGIG RT T2 7RW DC DF F-RGT

TE Part #1871058-4
PCI EXPRESS CONN. EON TYPE, 16



Documents

Product Drawings

MBXLE R/A HDR 7ACP

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_6450833-7_C3.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6450833-7_C3.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6450833-7_C3.3d_stp.zip](#)

English

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Product Specifications

Application Specification

English