



+ CONNECTORS

RECTANGULAR POWER CONNECTORS



✓ Active

TE CONNECTIVITY (TE)  
MBXLE VERT RCPT 6P + 8S + 6P  
[MULTI-BEAM](#) | [MULTI-BEAM XLE](#)

1-6450860-2  
TE Internal Number: 1-6450860-2

- [EU RoHS Compliant](#)
- [EU ELV Compliant](#)
- Product Type** Connector Assembly
- Housing Type** Receptacle
- Connector System** Board-to-Board
- Number of Positions** 20
- Centerline (Pitch) (mm)** 2.54, 6.35
- Centerline (Pitch) (in)** .1, .25

[↓](#) **PRODUCT DRAWING**  
English

[↓](#) **3D PDF**

DOCUMENTATION

Product Drawings

**VER RECEP ASSEMBLY SHORT GUIDES, PRESS FIT MULTI-BEAM XLE**  
PDF  
English

CAD Files

**3D PDF**  
PDF  
**3D**

**Customer View Model**  
2D\_DXF.ZIP

English

Customer View Model

3D\_IGS.ZIP

English

Customer View Model

3D\_STP.ZIP

English

Agency Approvals

Agency Approval Document

Multi-Beam XLE Board To Board Connector REPORT

PDF

English

FEATURES



Please review product documents or [contact us](#) for the latest agency approval information.

Please Note: Use the Product Drawing for all design activity.

Product Type Features

- Product Type** Connector Assembly
- Housing Type** Receptacle
- Connector System** Board-to-Board
- Sealable** No
- Connector & Contact Terminates To** Printed Circuit Board
- Contact Type** Socket

Configuration Features

- Number of Positions** 20
- PCB Mounting Orientation** Vertical
- Number of Power Positions** 12
- Number of Signal Positions** 8
- Board-to-Board Configuration** Vertical

Electrical Characteristics

- Operating Voltage (VAC)** 60, 200
- Operating Voltage (VDC)** 60, 200

Contact Features

- Contact Current Rating (Max) (A)** 42
- Contact Retention** Without
- Contact Termination Area Plating Material** Tin
- Contact Mating Area Plating Material** Noble Metal
- Underplate Material Thickness (µm)** 3.43
- Power Contact Material** Tin

Termination Features

**Termination Method to PC Board** Through Hole - Press-Fit  
**Termination Post/Tail Length** 3.43 mm [ .135 in ]

Mechanical Attachment

**PCB Mount Retention Type** Retention Clip/Post  
**Mating Retention Type** Retention Clip/Post  
**PCB Mount Retention** With

Housing Features

**Centerline (Pitch) (mm)** 2.54, 6.35  
**Centerline (Pitch) (in)** .1, .25  
**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 ]  
**Sealed Condition** Not Sealed

Operation/Application

**Circuit Application** Power, Signal

Industry Standards

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

PRODUCT COMPLIANCE



Statement of Compliance

**Statement of Compliance**  
PDF