



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
