



CONNECTORS

RECTANGULAR POWER CONNECTORS



✓ Active

TE CONNECTIVITY (TE)

MBXL R/A RCPT 3ACP+24S+4P

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

6450370-5

TE Internal Number: 6450370-5

[EU RoHS Compliant](#)

[EU ELV Compliant](#)

Product Type Connector Assembly

Housing Type Receptacle

Connector System Board-to-Board

Number of Positions 31

Centerline (Pitch) (mm) 2.54, 6.35, 7.62

Centerline (Pitch) (in) .1, .25, .3

[↓ PRODUCT DRAWING](#)
English

[↓ 3D PDF](#)

DOCUMENTATION

Product Drawings

RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL

PDF

English

CAD Files

Customer View Model

2D_DXF.ZIP

English

3D PDF

PDF

3D

Customer View Model

3D_IGS.ZIP

English

Customer View Model

3D_STP.ZIP

English

Catalog Pages/Data Sheets

2_PIECE_POWER_CONNECTORS_qrg_4-1773458-1

PDF

English

Product Specifications

Application Specification

Multi-Beam XL Connectors

PDF

English

Product Specification

Multi-Beam XL Board Mount Receptacle Or Plug Connector System

PDF

English

Product Environmental Compliance

TE Material Declaration

MD_6450370-5_111620151538_dmtec

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 31

PCB Mounting Orientation Right Angle

Number of Power Positions 7

Number of Signal Positions 24

Board-to-Board Configuration Right Angle

Electrical Characteristics

Operating Voltage (VAC) 60, 200, 300

Operating Voltage (VDC) 60, 200, 300

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 - Solder

Termination Post/Tail Length 3.43 mm [.135 in]

Mechanical Attachment

PCB Mount Retention Without

Housing Features

Centerline (Pitch) (mm) 2.54, 6.35, 7.62

Centerline (Pitch) (in) .1, .25, .3

UL Flammability Rating UL 94V-0

Housing Color Black

Housing Material High Temperature Thermoplastic

Usage Conditions

Operating Temperature Range -20 – 105 °C [-4 – 221 °F]

Sealed Condition Not Sealed

Operation/Application

Circuit Application Power, Signal

Special Features Sequencing

Industry Standards

Glow Wire Rating High Temperature Part - Not Glow Wire

Packaging Features

Packaging Method Tray

PRODUCT COMPLIANCE



Statement of Compliance

Statement of Compliance

PDF

