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6450541-4

Rectangular Power Connectors, Header, Receptacle, Board-to-Board, 30 Position, 2.54mm / 6.35mm [.25in / .1in] Centerline, Printed Circuit Board



MULTI-BEAM

TE Internal #: **6450541-4**
TE Internal Description: **MBXL VERT RCPT 24S+6P**

Rectangular Power Connector Type : **Header**
Connector & Housing Type : **Receptacle**
Connector System : **Board-to-Board**
Number of Positions : **30**
Centerline (Pitch) (mm): **2.54, 6.35**
Centerline (Pitch) (in): **.1, .25**

Digital Datasheet

Compatible Parts & Tooling

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Documents | Features | Product Compliance

Product Drawings

MBXL VERT RCPT 24S+6P
MBXL VERT RCPT 24S+6P
English

CAD Files

3D PDF
3D_CVM_CVM_6450541-4_D2.pdf
3D

Customer View Model
ENG_CVM_CVM_6450541-4_D2.2d_dxf.zip
English
ENG_CVM_CVM_6450541-4_D2.3d_igs.zip
English
ENG_CVM_CVM_6450541-4_D2.3d_stp.zip
English

Datasheets & Catalog Pages

2_PIECE_POWER_CONNECTORS_qrg_4-1773458-1
ENG_DS_4-1773458-1_2_PIECE_POWER_CONNECTORS_QRG_0212.pdf
English

Product Specifications

Application Specification
ENG_SS_114-13038_J.pdf
English

Product Specification

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ENG_SS_108-1973_C.pdf

English

Qualification Test Report

ENG_SS_501-646_A.pdf

English

Product Environmental Compliance

Product Compliance

ENG_PC_MD_6450541-4_C(457856).xlsx

English

Product Compliance

ENG_PC_MD_6450541-4_C(644859).xml

English

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

Rectangular Power Connector Type : **Header**
Connector & Housing Type : **Receptacle**
Connector System : **Board-to-Board**
Sealable : **No**
Connector & Contact Terminates To : **Printed Circuit Board**

Configuration Features

Mating & Unmating Configuration : **Sequencing**
Number of Positions : **30**
PCB Mount Orientation : **Vertical**
Number of Power Positions : **6**
Number of Signal Positions : **24**
Number of Rows : **4**

Electrical Characteristics

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

Contact Features

Contact Current Rating (Max) (A): **42**
Contact Retention Within Housing : **Without**
Contact Type : **Socket**
PCB Contact Termination Area Plating Material : **Tin**
Contact Mating Area Plating Material : **Noble Metal**
Contact Mating Area Plating Material Thickness : **.076 µm [3 µin]**
Power Contact Base Material : **Tin**
Underplate Material Thickness (µm): **3.43**

Termination Features

Termination Post & Tail Length : **3.43 mm [.135 in]**
Termination Method to Printed Circuit Board : **Through Hole - Press-Fit**

Mechanical Attachment

PCB Mount Retention : **Without**
Connector Mounting Type : **Board Mount**

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Housing Features	Centerline (Pitch) (mm): **2.54, 6.35** Centerline (Pitch) (in): **.1, .25** Housing Color : **Black** Housing Material : **High Temperature Thermoplastic**
Dimensions	Row-to-Row Spacing : **2.54 mm [.1 in]**
Usage Conditions	Operating Temperature Range : **-20 – 105 °C [-4 – 221 °F]**
Operation/Application	Circuit Application : **Power & Signal**
Industry Standards	UL Flammability Rating : **UL 94V-0** Glow Wire Rating : **High Temperature Part - Not Glow Wire**
Packaging Features	Packaging Method : **Tray**
Statement of Compliance	Statement of Compliance pdf

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