3-6450170-5 ACTIVE

MULTI-BEAM

TE Internal #: 3-6450170-5

Rectangular Power Connectors, Header, Receptacle, Board-to-Board, 12 Position, 6.35 mm / 2.54 mm [.1 in / .25 in] Centerline,

Printed Circuit Board

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Rectangular Power Connector Type: Header

Connector & Housing Type: Receptacle

Connector System: Board-to-Board

Number of Positions: 12

Centerline (Pitch): 2.54 mm, 6.35 mm [.1 in, .25 in]

Features

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	
Number of Positions	12
PCB Mount Orientation	Right Angle
Number of Power Positions	4
Number of Signal Positions	8
Number of Rows	4
Electrical Characteristics	

60 VDC, 200 VDC

Contact Features

Operating Voltage



Contact Mating Area Plating Material	Gold Flash over Palladium Nickel
Contact Underplating Material	Nickel
Contact Current Rating (Max)	42 A
Contact Retention Within Housing	Without
Contact Type	Receptacle
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)	2.54 mm, 6.35 mm[.1 in][.25 in]
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

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	Wave solder capable to 265°C

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

Compatible Parts



Customers Also Bought



Documents

Product Drawings
MBXL R/A RCPT 2P+8S+2P



English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-6450170-5_3.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-6450170-5_3.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-6450170-5_3.3d_stp.zip

English

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Product Specifications

Application Specification

English