3-6450170-9 ✔ ACTIVE

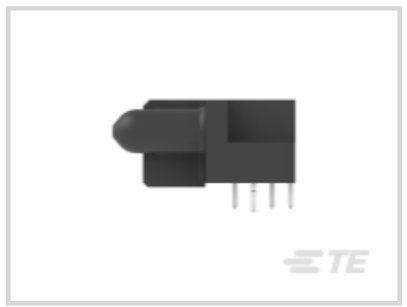
MULTI-BEAM

TE Internal #: 3-6450170-9

Rectangular Power Connectors, Header, Receptacle, Board-to-Board, 13 Position, 7.62mm / 2.54mm / 6.35mm [.1in / .25in / .3in] Centerline

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors




Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Receptacle**

Connector System: **Board-to-Board**

Number of Positions: **13**

Centerline (Pitch): **2.54 mm, 6.35 mm, 7.62 mm [.1 in, .25 in, .3 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	13
PCB Mount Orientation	Right Angle
Number of Power Positions	5
Number of Signal Positions	8
Number of Rows	4

Electrical Characteristics

Operating Voltage	60 VDC, 200 VDC, 300 VDC

Contact Features

Contact Current Rating (Max)	42 A
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	.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, 7.62 mm[.1 in][.25 in][.3 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: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

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



TE Part # 5-6450120-9
MBXL R/A HDR 3ACP+8S+2P

Customers Also Bought



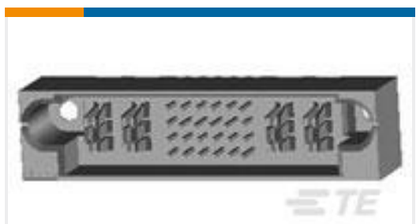
TE Part #2-5338556-1
8/8 MOD JACK ASSY SE



TE Part #1643903-1
CC - CROWN CLIP Senior II 538-0068-00100



TE Part #1445886-6
RET PIN,SNAP-IN RECEPTACLE



TE Part #1-6600333-6
MBXL VERT HDR 2P+24S+2P



TE Part #2-1393239-6
RT134012



TE Part #1-1571999-7
ADP06S04=PIANO DIP SWITCH



TE Part #1422028-9
V23101D 107A401



TE Part #1643903-3
CC - CROWN CLIP Senior II, AG PLATING



TE Part #2169797-1
IMP,Power,3PR,R/A,Hdr,6.9,6.9Tin



TE Part #6600380-8
MBXL VERT HDR 3ACP+24S+2P STR

Documents

Product Drawings

MBXL R/A RCPT 3ACP+8S+2P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-6450170-9_J.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-6450170-9_J.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-6450170-9_J.3d_stp.zip

English

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Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English