# 6450123-3 ✔ ACTIVE

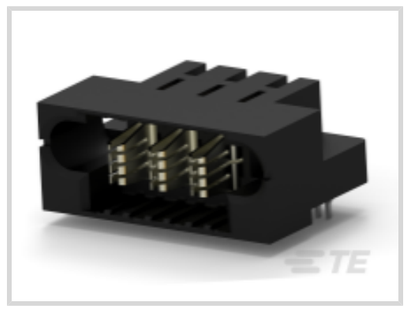
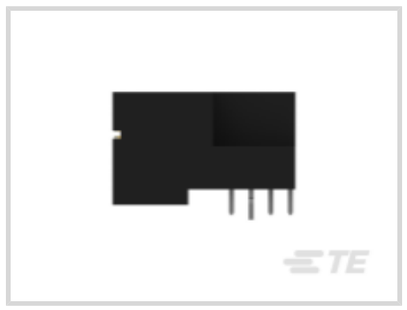
MULTI-BEAM

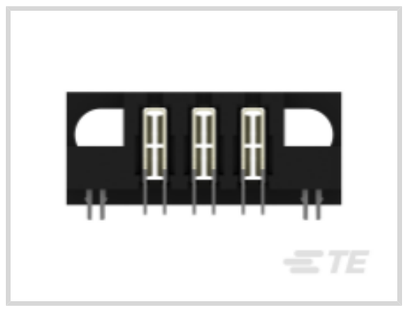
TE Internal #: 6450123-3

PCB Mount Header, Right Angle, Board-to-Board, 3 Position, 2.54 mm / 7.62 mm [.1 in / .3 in] Centerline, Fully Shrouded, Gold (Au)

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles




PCB Connector Type: **PCB Mount Header**

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

Number of Positions: **3**

Number of Rows: **1**

Centerline (Pitch): **2.54 mm, 7.62 mm [ .1 in, .3 in ]**

## Features

### Product Type Features

| | |
|---|---|
| Connector Shape | Rectangular |
| PCB Connector Type | PCB Mount Header |
| Connector System | Board-to-Board |
| Header Type | Fully Shrouded |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |
| Connector Product Type | Connector Assembly |

### Configuration Features

| | |
|---|---|
| Number of Columns | 3 |
| Number of Loaded Positions | 3 |
| Number of Positions | 3 |
| Number of Rows | 1 |
| PCB Mount Orientation | Right Angle |
| Number of Power Positions | 3 |

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 60 VDC, 300 VDC |

## Body Features

| | |
|---|---|
| Primary Product Color | Black |

## Contact Features

| | |
|---|---|
| Contact Underplating Material | Nickel |
| Contact Underplating Material Thickness | 1.27 µm[50 µin] |
| PCB Contact Termination Area Plating Material Thickness | 2.54 – 5.08 µm[100 – 200 µin] |
| Contact Layout | Inline |
| Contact Base Material | Copper Alloy |
| Contact Mating Area Plating Material | Gold (Au) |
| Contact Type | Blade |
| Contact Current Rating (Max) | 42 A |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Mating Area Plating Material Thickness | .076 µm[3 µin] |

## Termination Features

| | |
|---|---|
| Termination Post & Tail Length | 3.43 mm[.135 in] |
| Termination Method to PCB | Through Hole - Solder |

## Mechanical Attachment

| | |
|---|---|
| Mating Retention | Without |
| PCB Mount Retention Type | Hold-Down |
| PCB Mount Alignment Type | Hold-Down |
| Mating Alignment Type | Polarization |
| Connector Mounting Type | Board Mount |
| Mating Alignment | With |
| PCB Mount Alignment | With |
| PCB Mount Retention | With |

## Housing Features

| | |
|---|---|
| Centerline (Pitch) | 2.54 mm, 7.62 mm[.1 in][.3 in] |
| Housing Material | High Temperature Thermoplastic Glass-Filled |

## Dimensions

| | |
|---|---|
| Connector Width | 23.62 mm[.93 in] |

| | |
|---|---|
| Connector Height | 14.58 mm[.574 in] |
| Connector Length | 39.37 mm[1.55 in] |
| PCB Thickness (Recommended) | 2.11 – 2.62 mm[.083 – .103 in] |

### Usage Conditions

| | |
|---|---|
| Operating Temperature (Max) | 105 °C[221 °F] |
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |

### Operation/Application

| | |
|---|---|
| Circuit Application | Power |

### Industry Standards

| | |
|---|---|
| Glow Wire Rating | High Temperature Part - Not Glow Wire |
| UL Flammability Rating | UL 94V-0 |

### Packaging Features

| | |
|---|---|
| Packaging Quantity | 66 |
| Packaging Method | Tray |

## Product Compliance

For compliance documentation, visit the product page on TE.com>

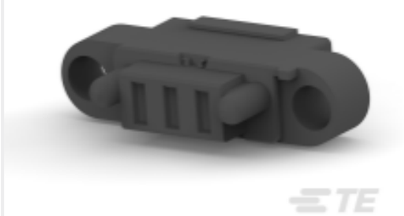
| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>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

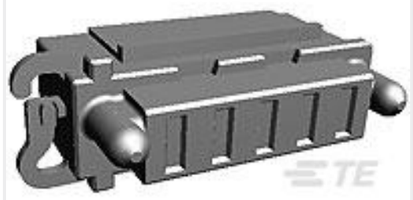
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



TE Part # 1600606-2
PANEL MT RECPT HSG W/GUIDES P



TE Part # 292499-1
PANEL MNT SLIDE TO LOCK CABLE



TE Part # 6450173-1
MBXL R/A RCPT 3ACP+0P

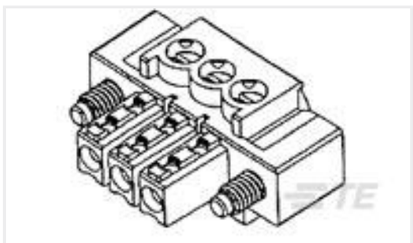


TE Part # 6450543-6
MBXL VERT RCPT 3ACP

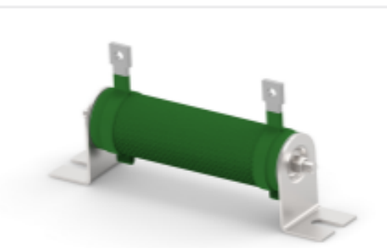
## Customers Also Bought




TE Part #5054422013
RNF-100-1/8-5-STK



TE Part #1-284510-0
10P TERMI-BLOK PLUG CON VITI



TE Part #CAT-C339-T2201
Wirewound Resistor: Mineral, 2.5 Kw



TE Part #4-1879450-3
TE 500W 2K2 5% Bracket



TE Part #4-1879450-4
TE 500W 2K7 5% Bracket




TE Part #1-1879502-0
CRGH2512 5% 33K 2W



TE Part #6450173-1
MBXL R/A RCPT 3ACP+0P



TE Part #6450543-6
MBXL VERT RCPT 3ACP

TE Part #E940393001
CLFH-178CK0135

## Documents

### Product Drawings

MBXL R/A HDR 3ACP+0P

English

## CAD Files

### Customer View Model

ENG_CVM_CVM_6450123-3_A.2d_dxf.zip

English

3D PDF

3D

### Customer View Model

ENG_CVM_CVM_6450123-3_A.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_6450123-3_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

## Datasheets & Catalog Pages

POWER_CONNECTORS_CATALOG_SEC01_BOARD_TO_BOARD

English

## Product Specifications

### Application Specification

English

## Agency Approvals

### Agency Approval Document

English