6450834-1 ✔ ACTIVE

MULTI-BEAM

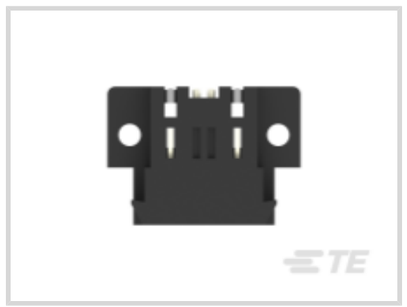
TE Internal #: 6450834-1

PCB Mount Header, Right Angle, Board-to-Board, 10 Position, 2.54 mm [.1 in] Centerline, Fully Shrouded, Gold (Au), Through Hole - Solder

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles







PCB Connector Type: **PCB Mount Header**

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

Number of Positions: **10**

Number of Rows: **4**

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

Features

Product Type Features

Mixed & Hybrid Header	Yes
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	4
Number of Loaded Positions	10
Number of Positions	10
Number of Rows	4
PCB Mount Orientation	Right Angle

Number of Power Positions	2
Number of Signal Positions	8

Electrical Characteristics

Operating Voltage	60 VDC

Body Features

Primary Product Color	Black

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Size	.64mm
Mating Square Post Dimension	.64 mm[.025 in]
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material Thickness	2.54 – 5.08 µm[100 – 200 µin]
Contact Layout	Matrix
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Blade, Tab
Contact Current Rating (Max)	50 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]
Square Termination Post & Tail Dimension	.64 mm[.025 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[.1 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	33.02 mm[1.3 in]
Row-to-Row Spacing	2.54 mm[.1 in]
PCB Thickness (Recommended)	2.11 – 2.62 mm[.083 – .103 in]

Usage Conditions

Operating Temperature (Max)	125 °C[257 °F]
Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]

Operation/Application

Circuit Application	Power & Signal

Industry Standards

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

Packaging Features

Packaging Quantity	77
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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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

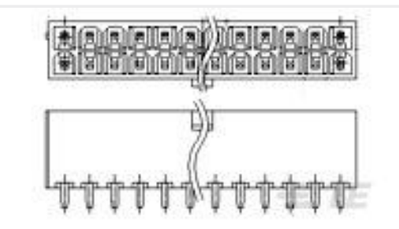
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 1892820-2
SQUEEZE REL RECEPT ASSY W/KEYS

Customers Also Bought



TE Part #4-1775099-2
ATX PWR CONN 8 POS



TE Part #2023308-3
(LCEDI) SR interface Rec conn 40pos



TE Part #2149027-1
MiniSAS HD 1x1 Rec Assy



TE Part #2201778-1
MICRO SD PUSH PUSH LOW PROFILE TYPE



TE Part #1-2340321-2
ASSY STRADDLE MOUNT 168P 076 SLIVER 2.0



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

TE Part #2322020-4
MBXLE R/A PLUG 1P36S1P,HF

TE Part #2368060-8
DDR4 DIMM 288 Pin SMT type

TE Part #2368060-7
DDR4 DIMM 288 Pin SMT type

Documents

Product Drawings

MBXL R/A HDR STR 1P/8S/1P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6450834-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_6450834-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6450834-1_A.3d_stp.zip

English

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

Product Specifications

Application Specification

English

Agency Approvals

UL

English