

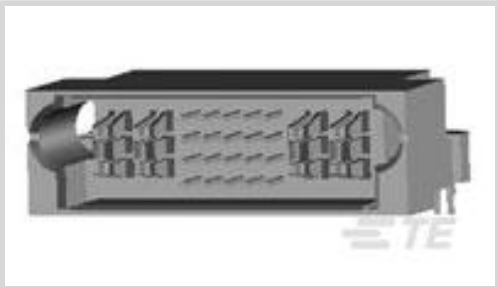


MULTI-BEAM

TE Internal #: 2-6450830-8
PCB Mount Header, Right Angle, Board-to-Board, 24 Position, 2.54 mm / 5.08 mm [.1 in / .2 in] Centerline, Fully Shrouded, Gold (Au)

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**
PCB Mount Orientation: **Right Angle**
Connector System: **Board-to-Board**
Number of Positions: **24**
Number of Rows: **4**

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	9
Number of Loaded Positions	24
Number of Signal Positions	20
Number of Power Positions	4
PCB Mount Orientation	Right Angle
Number of Positions	24
Number of Rows	4

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
Contact Mating Area Plating Material Thickness	.076 μm[3 μin]
Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	2.54 – 5.08 μm[100 – 200 μin]
Contact Shape & Form	Square
Contact Layout	Matrix
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Blade, Tab
Contact Current Rating (Max)	50 A

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
Mating Alignment Type	Polarization
PCB Mount Retention Type	Hold-Down
PCB Mount Alignment Type	Hold-Down
PCB Mount Retention	With
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Housing Material	High Temperature Thermoplastic Glass-Filled
Centerline (Pitch)	2.54 mm, 5.08 mm[.1 in][.2 in]

Dimensions

--	--



Row-to-Row Spacing	2.54 mm[.1 in]
Connector Width	23.62 mm[.93 in]
PCB Thickness (Recommended)	2.11 – 2.62 mm[.083 – .103 in]
Connector Height	14.58 mm[.574 in]
Connector Length	46.74 mm[1.84 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	55
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 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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 # 1-6450870-1
MBXLE R/A RCPT 2P+20S+2P

Customers Also Bought



TE Part #5499786-1
A/L UNIV HDR 10P RA LAT



TE Part #1462042-8
IMC03GR=IM RELAY 140mW 5V 1CO



TE Part #5103310-1
A/L LOW PRO HDR 10P RA BLACK



TE Part #CONSMA001
SMA Jack 50 Ohm PCB Through Hole



TE Part #T4145015081-002
M12 RA PCB CONN. Female 8 P UN SHIELD



TE Part #1734366-1
Std USB Type A, VT, T/H



TE Part #5-2176307-7
RP 1E 0.1W 47K5 0.1% 25PPM 5K RL



TE Part #9-1879252-4
RP 2B 10R 0.1% 15PPM CUT LENGTH



TE Part #292303-1
Std USB Type A, R/A, T/H



TE Part #5-147278-4
05 MTE HDR SRRA SFMNT .100CL

Documents

CAD Files



3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-6450830-8_J5.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-6450830-8_J5.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-6450830-8_J5.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

2_PIECE_POWER_CONNECTORS_qrg_4-1773458-1

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English