2-6450880-5 ✔ ACTIVE

MULTI-BEAM

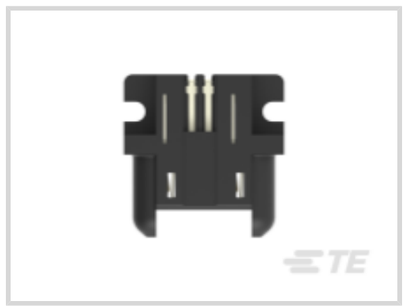
TE Internal #: 2-6450880-5

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

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles







PCB Connector Type: **PCB Mount Receptacle**

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 Receptacle
Connector System	Board-to-Board
Header Type	Fully Shrouded
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Number of Columns	4
Number of Loaded Positions	10
Mating & Unmating Configuration	Normal
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]
PCB Contact Termination Area Plating Material Thickness	.76 – 1.78 µm[30 – 70 µin]
Contact Layout	Matrix
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Receptacle
Contact Current Rating (Max)	50 A
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]

Termination Features

Termination Post & Tail Length	3.02 mm[.119 in]
Termination Method to PCB	Through Hole - Press-Fit

Mechanical Attachment

PCB Mount Retention Type	Hold-Down
PCB Mount Alignment Type	Hold-Down
Mating Alignment Type	Guide Post
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	20.83 mm[.82 in]
Connector Height	11.94 mm[.47 in]
Connector Length	23.62 mm[.93 in]
Row-to-Row Spacing	2.54 mm[.1 in]
PCB Thickness (Recommended)	1.35 mm[.053 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	110
Packaging Method	Tray

Product Compliance

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

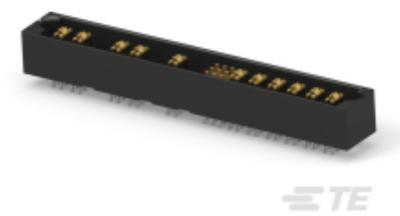
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable 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

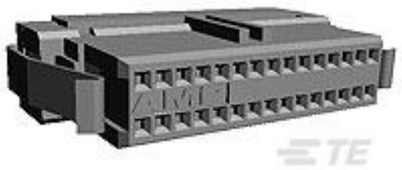
chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may 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

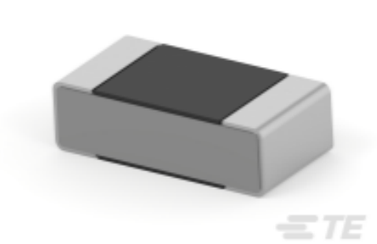


TE Part # 3-6450820-4
MBXL VERT HDR 8P + 12S + 6P

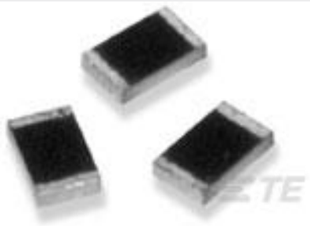
Customers Also Bought



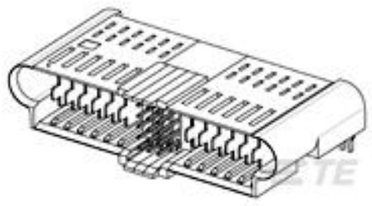
TE Part #111196-7
030 RCPT SYSTEM 50 30 DPLX



TE Part #5-1879132-6
RN 0402 34K 0.1% 10PPM 1K RL



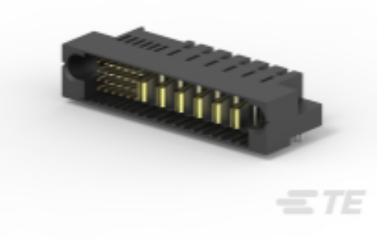
TE Part #6-1879271-4
RP 2A 178R 0.1% 15PPM CUT LENGTH



TE Part #1926720-2
AssyMINIPAKHDL2p15s2p RAplugBdlk



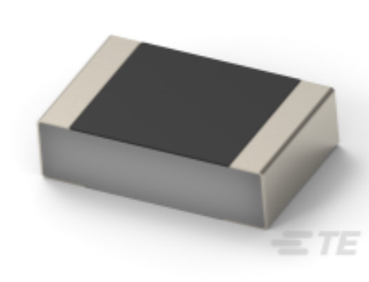
TE Part #3-6450170-5
MBXL R/A RCPT 2P+8S+2P



TE Part #6600120-2
MBXL R/A HDR DB 24S+6P



TE Part #5-1437567-2
MPG206NPC=(MSPG) SW P/B DPDT P



TE Part #3-2176074-2
CPF 0201 12K1 0.5% 50PPM 1K RL



TE Part #1379684-6
HEADER ASSY, .025 SERIES, 8W, R. ANGLE



TE Part #1379684-4
HEADER ASSY, .025 SERIES, 8W, R. ANGLE

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-6450880-5_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-6450880-5_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-6450880-5_F.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 Report

English