6450572-1 ✔ ACTIVE

MULTI-BEAM

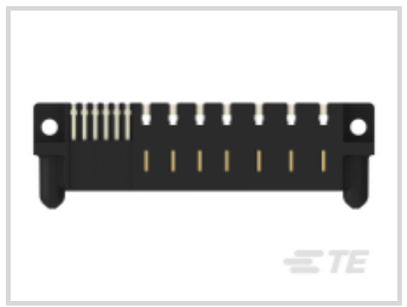
TE Internal #: 6450572-1

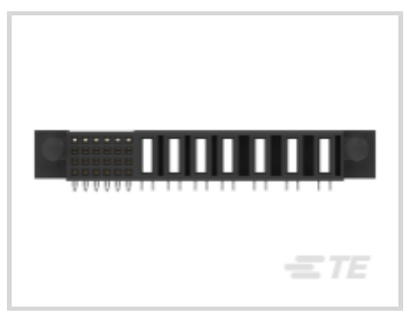
PCB Mount Receptacle, Right Angle, Board-to-Board, 31 Position, 2.54 mm / 6.35 mm / 7.62 mm [.1 in / .25 in / .3 in] Centerline, Fully Shrouded

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles







PCB Connector Type: **PCB Mount Receptacle**

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

Number of Positions: **31**

Number of Rows: **4**

Centerline (Pitch): **2.54 mm, 6.35 mm, 7.62 mm [.1 in, .25 in, .3 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
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Number of Columns	13
Number of Loaded Positions	31
Mating & Unmating Configuration	Sequencing
Number of Positions	31
Number of Rows	4

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PCB Mount Orientation	Right Angle
Number of Power Positions	7
Number of Signal Positions	24

Electrical Characteristics

Operating Voltage	60 VDC, 200 VDC, 300 VDC

Body Features

Primary Product Color	Black

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 – 2.54 µm[50 – 100 µin]
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	Receptacle
Contact Current Rating (Max)	42 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

Mating Retention	Without
Mating Alignment Type	Guide Post
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	Without

Housing Features

Centerline (Pitch)	2.54 mm, 6.35 mm, 7.62 mm[.1 in][.25 in][.3 in]
Housing Material	High Temperature Thermoplastic Glass-Filled

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Dimensions

Connector Width	20.83 mm[.82 in]
Connector Height	11.94 mm[.47 in]
Connector Length	80.65 mm[3.175 in]
Row-to-Row Spacing	2.54 mm[.1 in]

Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-55 – 105 °C[-67 – 221 °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	33
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) 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	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

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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

Customers Also Bought



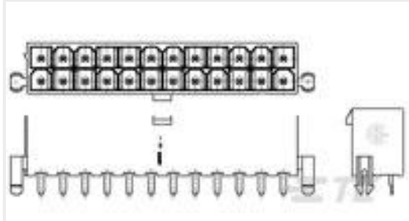
TE Part #350705-2
UMNL SPLIT PIN 20-14 AUBR L/P



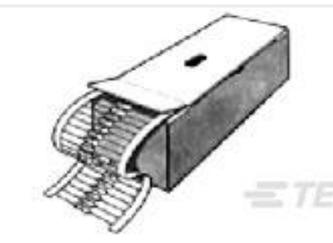
TE Part #2-1415899-5
RZH3-1C4-D012



TE Part #2-1462051-3
HF3 53S = 50OHM 140MW 5V MONO



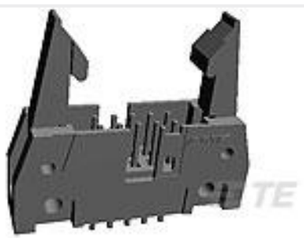
TE Part #1586040-6
6P VAL-U-LOK VRT HDR W/P V0



TE Part #2176081-1
EP 1W (S) 10R 5%



TE Part #1-2213764-5
AV19 SPM 3A FIX RING LED GREEN 24V



TE Part #5499206-5
A/L UNIV HDR 24P VERT LAT



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



TE Part #3-6450170-9
MBXL R/A RCPT 3ACP+8S+2P

TE Part #2029138-6
6P VERT HDR VAL-U-LOK V0 RED

Documents

Product Drawings

MBXL R/A RCPT 3ACP+4P+24S

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_6450572-1_C3.3d_igs.zip

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English

Customer View Model

ENG_CVM_6450572-1_C3.3d_stp.zip

English

Customer View Model

ENG_CVM_6450572-1_C3.2d_dxf.zip

English

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Product Specifications

Application Specification

English

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