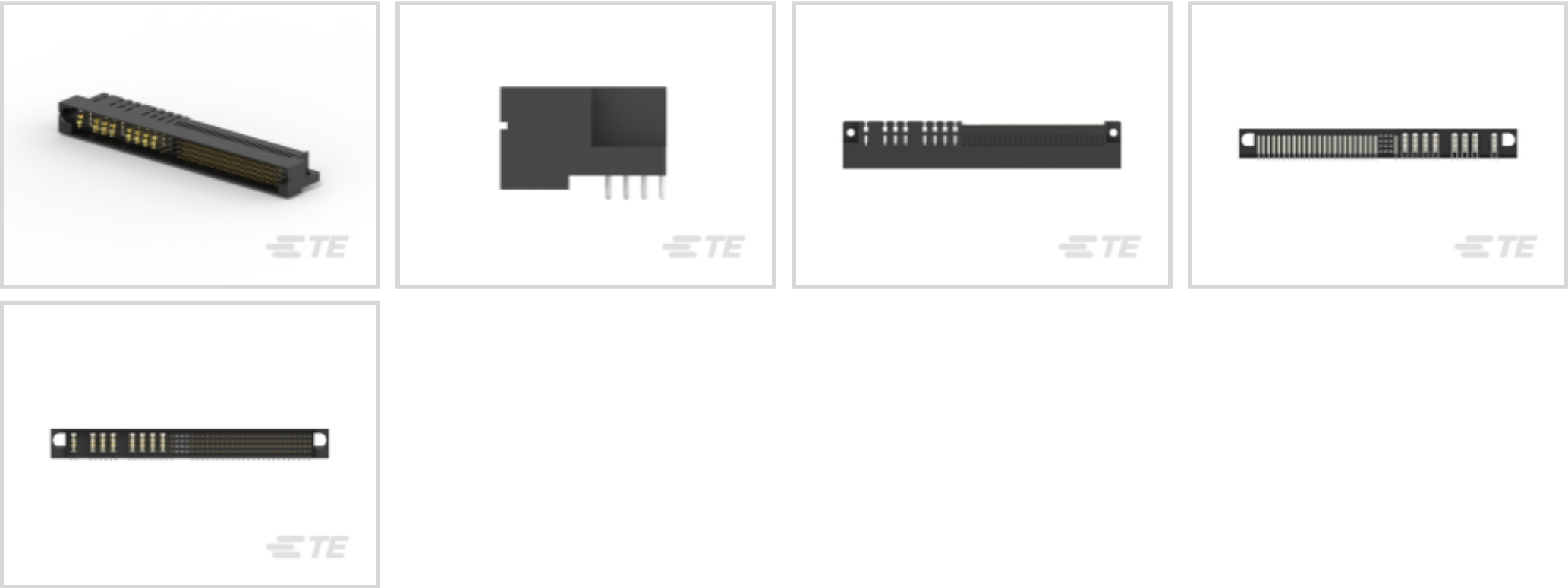




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **120**

Number of Rows: **4**

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	36
Number of Loaded Positions	108
Number of Signal Positions	112
Number of Power Positions	8
PCB Mount Orientation	Right Angle
Number of Positions	120



Number of Rows	4
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Electrical Characteristics

Operating Voltage	60 VDC
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Body Features

Primary Product Color	Black
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Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Size	.64mm
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
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
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Blade, Tab
Contact Current Rating (Max)	42 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	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

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

Row-to-Row Spacing	2.54 mm[.1 in]
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Connector Width	23.62 mm[.93 in]
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PCB Thickness (Recommended)	2.11 – 2.62 mm[.083 – .103 in]
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Connector Height	14.58 mm[.574 in]
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Connector Length	138.43 mm[5.45 in]
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Usage Conditions

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

Circuit Application	Power & Signal
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Industry Standards

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

Packaging Quantity	11
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Packaging Method	Tray
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Other

Position Locations Omitted	Column 2, 3, 4
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Number of Blocked Positions	12
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
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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>


Customers Also Bought




TE Part #6450553-4
MBXL VERT RCPT 9P




TE Part #2057691-1
IMP100S,R,RA3P8C,LG,39




TE Part #2057692-1
IMP100S,R,RA3P8C,RG,39



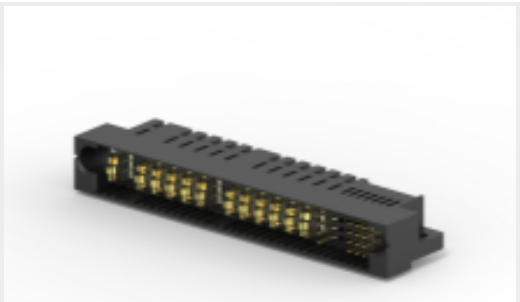
TE Part #5794172-4
AMP DUAC/PL 04P HDR ASSY RA




TE Part #CAT-H857-H34210
AMP HPI 1.0 mm Headers



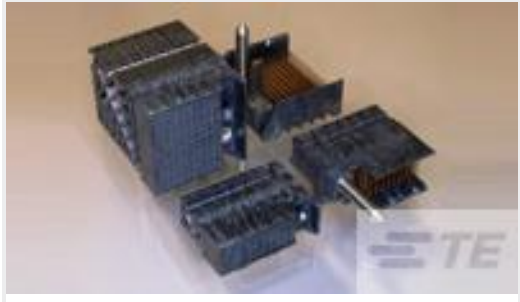
TE Part #1892123-1
MBXL R/A HDR 9P



TE Part #1892222-6
MBXL R/A HDR 12P+28S



TE Part #1986611-1
SKT ASSEMBLY, POWER 6 AWG



TE Part #2132536-3
IMP100S,H,V3P6C,UG,DEW46,5.5

Documents

CAD Files



Customer View Model

[ENG_CVM_CVM_1892222-7_A1.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1892222-7_A1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1892222-7_A1.3d_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