

146205-1 ✓ ACTIVE

AMPMODU | AMPMODU Headers

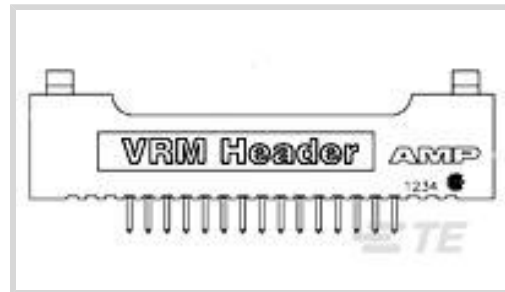
TE Internal #: 146205-1

PCB Mount Header, Vertical, Board-to-Board, 30 Position, .1 in [2.54 mm] Centerline, Fully Shrouded, Gold, Through Hole - Solder, AMPMODU Headers

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **30**

Number of Rows: **2**

Features

Product Type Features

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

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	30
Number of Rows	2
Board-to-Board Configuration	Parallel

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	750 VACrms
Operating Voltage	250 VAC

Body Features

Primary Product Color	Black
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Contact Features

Contact Layout	Inline
Mating Square Post Dimension	.64 mm[.025 in]
	100 – 250 μ m



PCB Contact Termination Area Plating Material Finish	Bright
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.762 μ m[30 μ in]
Contact Type	Pin
Contact Current Rating (Max)	2 A

Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Post & Tail Length	3.05 mm[.12 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mating Retention	Without
Mating Alignment	With
Mating Alignment Type	Card Edge Slot
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	2.54 mm[.1 in]
Housing Material	Thermoplastic

Dimensions

Connector Height	13.97 mm[.55 in]
Row-to-Row Spacing	2.54 mm[.1 in]
Stack Height	10.41 mm[.41 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]

Usage Conditions

Operating Temperature Range	-65 – 105 $^{\circ}$ C[-85 – 221 $^{\circ}$ F]
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Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Signal



Industry Standards

Approved Standards	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	32
Packaging Type	Tube

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 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 240°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 # 532956-5
30 MODII 2PC CE RCPT ASSY



TE Part # 534204-4
30 MODU 2-PC CE RECP ASSY

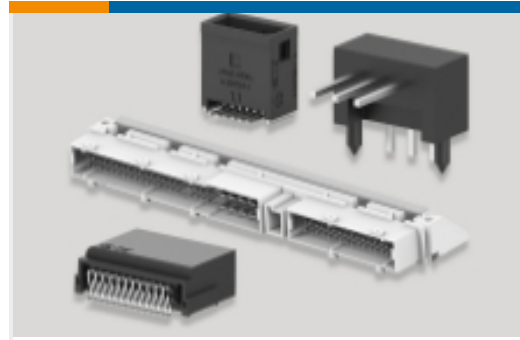
Also in the Series | AMPMODU Headers



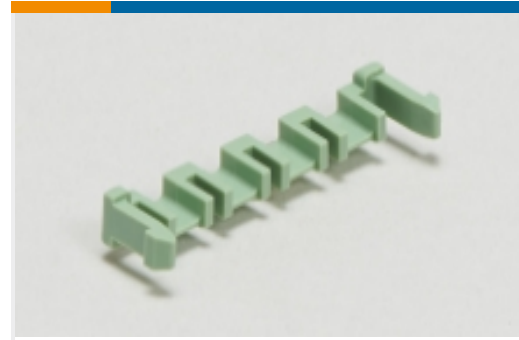
PCB Connector Mounting(1)



PCB Connector Shrouds(1)



PCB Headers & Receptacles(6915)



PCB Latches, Locks & Retainers(2)



Wire-to-Board Connector Assemblies & Housings(5)



Wire-to-Board Connector Contacts(66)

Customers Also Bought



TE Part #2204929-3
MATING BLADE, CROWN CLIP SOCKET



TE Part #2307725-8
8P,2MM,B-B,REC,SRHZ,SMD,0.1AU,TR



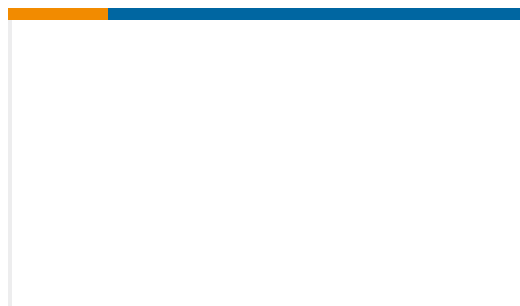
TE Part #3-6450830-3
MBXL R/A HDR 4ACP + 12S + 3P



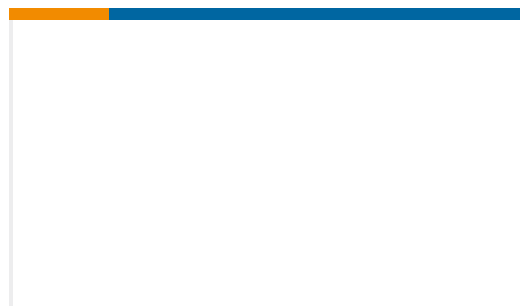
TE Part #6-6450830-1
MBXL R/A HDR 3HDP+1LP+24S+1LP+3HDP



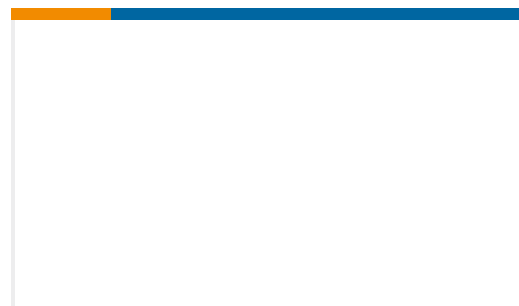
TE Part #1-6450121-1
MBXL R/A HDR 24S+4P



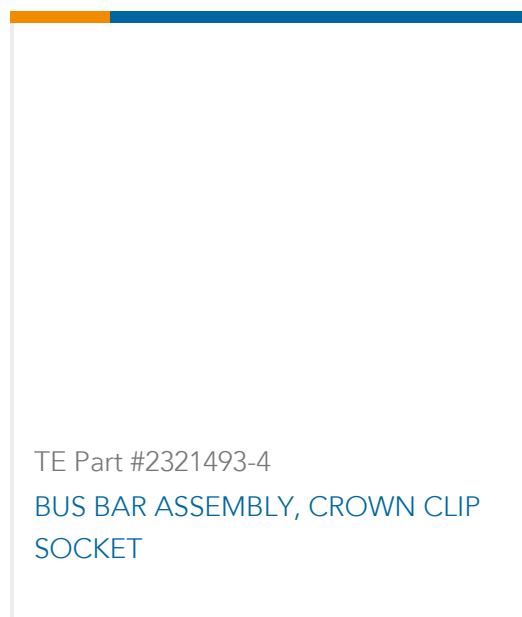
TE Part #2-6450831-1
MBXLE R/A HDR 24S



TE Part #2159452-1
C/A, TERMINAL + 14 AWG WIRE+ HALF STRIPP



TE Part #2159453-1
C/A, TERMINAL + 14 AWG WIRE+ HALF STRIPP



Documents

Product Drawings

[30 MODII 2PC VRM7 HDR W/LATCH](#)

English

Product Specifications

[Application Specification](#)

English

[AMPMODU Mod II 2-Piece Double Row Header Assemblies](#)

English