

6-146130-1 ✓ ACTIVE

AMPMODU | AMPMODU Headers

TE Internal #: 6-146130-1

PCB Mount Header, Vertical, Board-to-Board, 24 Position, 2.54 mm
[.1 in] Centerline, Breakaway, Gold (Au), Surface Mount, Signal,
AMPMODU Headers

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

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

Number of Positions: **24**

Number of Rows: **2**

Centerline (Pitch): **2.54 mm [.1 in]**

Features

Product Type Features

PCB Connector Type	PCB Mount Header
Connector System	Board-to-Board
Header Type	Breakaway
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Connector Contact Load Condition	Fully Loaded
Number of Positions	24
Number of Rows	2
PCB Mount Orientation	Vertical
Board-to-Board Configuration	Parallel

Electrical Characteristics

Operating Voltage	30 VAC
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Body Features

Connector Profile	Standard
Primary Product Color	Black

Contact Features



	100 – 200 µin
Contact Underplating Material	Nickel
Mating Square Post Dimension	.64 mm[.025 in]
Contact Shape & Form	Square
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.762 µm[30 µin]
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Pin
Contact Current Rating (Max)	3 A

Termination Features

Termination Post & Tail Length	2.29 mm
Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

Connector Mounting Type	Board Mount
Mating Alignment	Without
PCB Mount Alignment	Without
PCB Mount Retention	Without

Housing Features

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

Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]

Usage Conditions

Housing Temperature Rating	High
Operating Temperature Range	-65 – 125 °C[-85 – 257 °F]

Operation/Application

Circuit Application	Signal
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Industry Standards

Compatible With Approved Standards Products	CSA LR7189, UL E28476
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UL Flammability Rating

UL 94V-0

Packaging Features

Packaging Quantity

17

Packaging Method

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

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

Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free

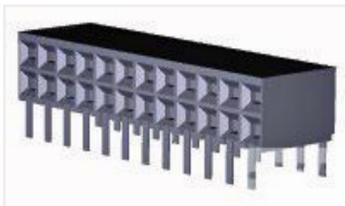
Solder Process Capability

Pin-in-Paste capable to 260°C

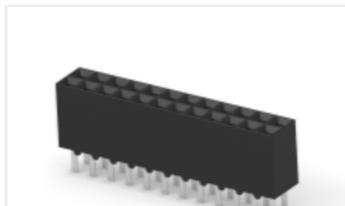
Product Compliance Disclaimer

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 # 5535512-3
24 MODII HORZ DR CE



TE Part # 6-534206-2
24 MODII VRT DR CE 100/115

Also in the Series | AMPMODU Headers



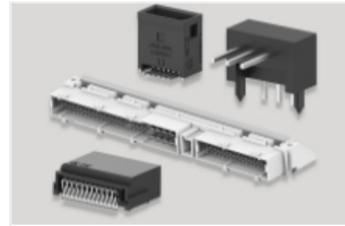
Automotive Headers(3)



Automotive Signal & Power Headers(3)



Connector Contacts(15)



PCB Headers & Receptacles(1173)



Rectangular Power Connectors(25)

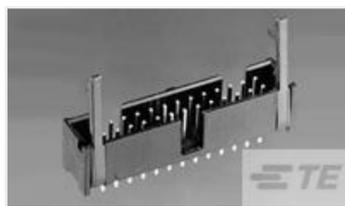


Wire-to-Board Headers & Receptacles (78)

Customers Also Bought



TE Part #1410189-3
MULTIGIG RT T2 7RW H-LFT,ET2



TE Part #1761609-3
IDC LOW PRO HDR 10P RA SHT LAT



TE Part #1825255-1
MHS12204=SPDT SL SW VERT AG



TE Part #8-1879021-1
SMW3 220R 5%



TE Part #2176055-4
RLP73V 2B R013 1% 1K RL



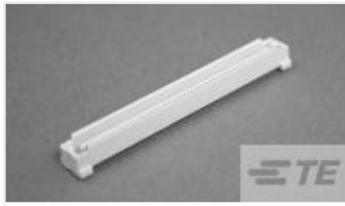
TE Part #1-2176230-9
3522 27R 5% 3W



TE Part #5-2176526-2
3503G 2B 174R 1% 5K RL



TE Part #2331390-1
DET SW5.7X4.0X2.0 GW HORZ. NC AG RL



TE Part #5177984-4
0.8FH,P05H.5,100,08/Sn,TU



TE Part #5-5179009-4
0.8FH,R09H.5,100,08/Sn,TU

Documents

Product Drawings

[24 MODII HDR DRST SFMNT B/A LF](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_6-146130-1_P.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6-146130-1_P.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6-146130-1_P.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[AMPMODU_INTERCONNECTION_SYSTEM_SECTION5](#)

English