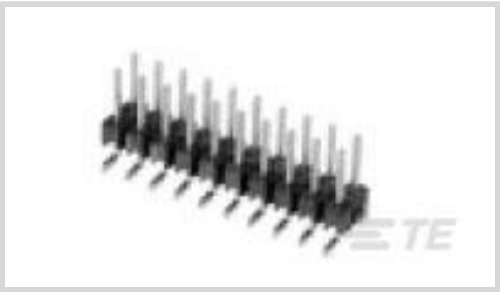




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type:

PCB Mount Header

PCB Mount Orientation:

Vertical

Connector System:

Board-to-Board

Number of Positions:

12

Number of Rows:

2

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
Board-to-Board Configuration	Parallel
PCB Mount Orientation	Vertical
Number of Positions	12
Number of Rows	2

Electrical Characteristics

Operating Voltage	30 VAC
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Body Features

Connector Profile	Standard
Primary Product Color	Black

Contact Features



Contact Underplating Material	Nickel
Contact Mating Area Plating Material Thickness	.762 μm[30 μin]
Mating Square Post Dimension	.64 mm[.025 in]
	100 – 200 μin
Contact Shape & Form	Square
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
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

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

Housing Features

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

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	35
Packaging Method	Tube

Product Compliance

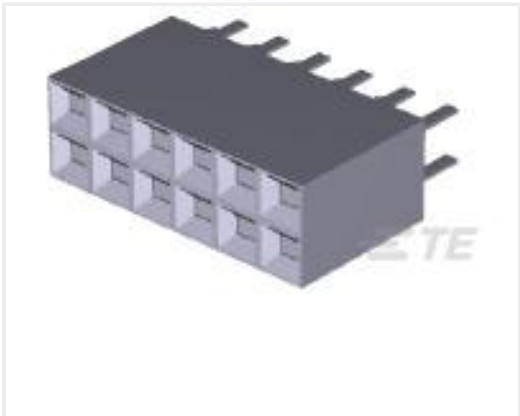
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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

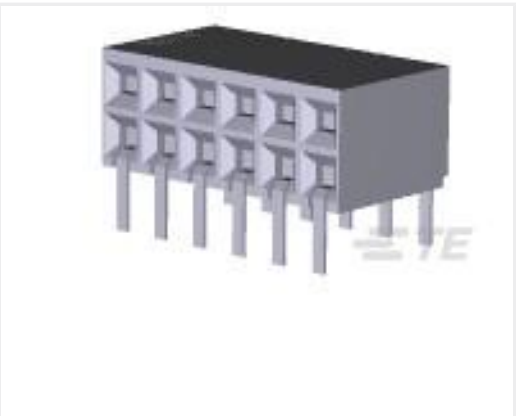
Product Compliance Disclaimer

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 # 534206-6
12 MODII VRT DR CE 100/115



TE Part # 5535512-1
12 MODII HORZ DR CE



Also in the Series | AMPMODU Headers

Automotive Headers(1)	Board-to-Board Headers & Receptacles(1576)	Connector Contacts(47)	Connector Hardware(1)
PCB Headers & Receptacles(1621)	Rectangular Power Connectors(43)	Wire-to-Board Connector Assemblies & Housings(5)	Wire-to-Board Headers & Receptacles (114)

Customers Also Bought

TE Part #1735539-2 Slimline SATA Receptacle, Vertical, SMT	TE Part #2-1445093-5 MICRO MNL HDR ASSY S/ROW AU LF	TE Part #5745990-3 09 MSFL PLUG RA 590 (IN,FM)	TE Part #2-520275-2 ULTRAFast 187 ASSY REC 22-18 TPBR LP
TE Part #5052972027 RNF-100-3/32-6-STK	TE Part #103735-5 06 MTE HDR SRST LATCH .100CL	TE Part #1-1903328-4 DYNAMIC 4200S HDR ASSY H 4P X	TE Part #20011423-00 830M1-0050 Triaxial 50g Tape Reel 150pc
TE Part #185730-1 3pos MQS .63 header 180deg	TE Part #3-643234-0 06P UMNL HDR ASSY R/A 94VO LF		



Documents

Product Drawings

12 MODII HDR DRST SFMNT B/A LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-146130-5_P.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-146130-5_P.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-146130-5_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