

1-1241050-2 ✓ ACTIVE

AMPMODU | [AMPMODU Headers](#)

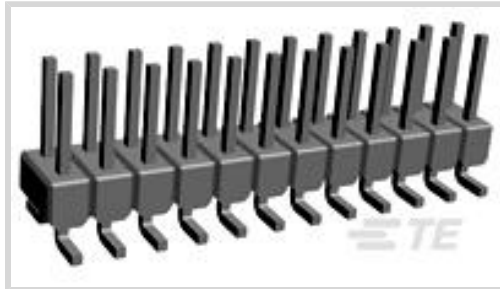
TE Internal #: 1-1241050-2

PCB Mount Header, Vertical, Board-to-Board, 24 Position, 2.54 mm  
[.1 in] Centerline, Breakaway, Gold, Surface Mount, Signal, Black,  
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: **24**

Number of Rows: **2**

## Features

### Product Type Features

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

### Configuration Features

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

### Body Features

Primary Product Color	Black
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### Contact Features

Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	3 $\mu$ m
Contact Shape & Form	Square
Contact Underplating Material	Nickel



PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Zinc, Phosphor Bronze
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.8 $\mu\text{m}$ [31.5 $\mu\text{in}$ ]
Contact Type	Pin
Contact Current Rating (Max)	5 A

### Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Method to Printed Circuit Board	Surface Mount

### Mechanical Attachment

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

### Housing Features

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

### Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]

### Usage Conditions

Housing Temperature Rating	Standard
Operating Temperature Range	-65 – 105 $^{\circ}\text{C}$ [-85 – 221 $^{\circ}\text{F}$ ]

### Operation/Application

Circuit Application	Signal
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### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	300
Packaging Method	Reel

### Product Compliance



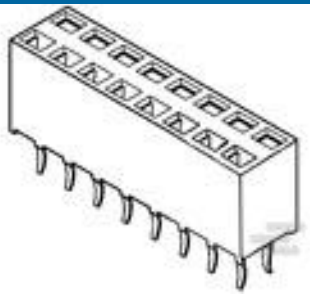

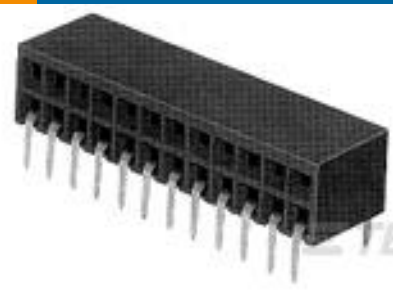
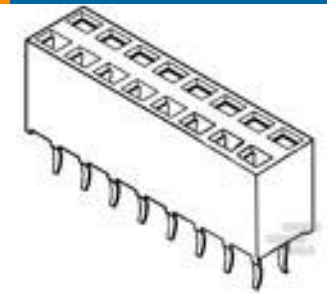
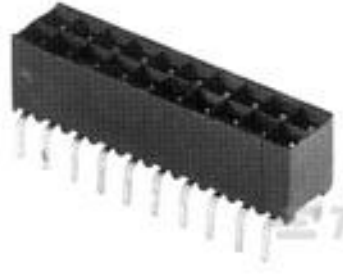
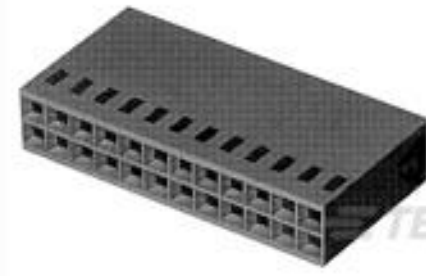
[For compliance documentation, visit the product page on TE.com>](#)

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 2024 (241) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Reflow solder capable to 260°C

Product Compliance Disclaimer

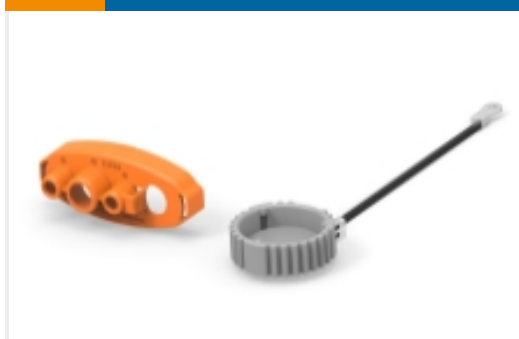
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

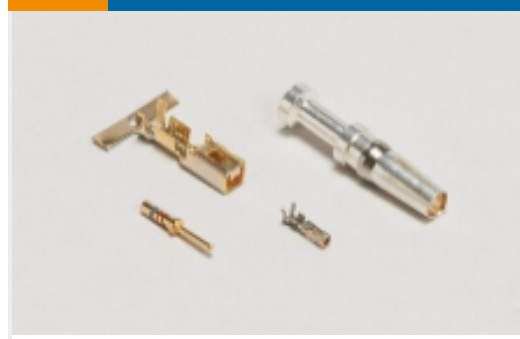
 <p>TE Part # 1-215307-2 2X12P HV100 REC CON. TE, 7.0MM</p>	 <p>TE Part # 1-969973-2 2x12P HV100 REC. CON, SMD, GOLD, BLISTER</p>	 <p>TE Part # 1-216604-2 HV190 REC ASSY 2X12P.</p>	 <p>TE Part # 1-215309-2 2X12P HV100 REC CON. TE, 8.5MM</p>
 <p>TE Part # 1-829264-2 2X12P HV100 REC.CON.B/TE,6.2MM, NO KINK</p>	 <p>TE Part # 1-925367-2 MOD 4 REC.HSG 2X12P</p>		



## Also in the Series | AMPMODU Headers



Connector Caps & Covers(1)




Connector Contacts(64)



Connector Hardware(2)

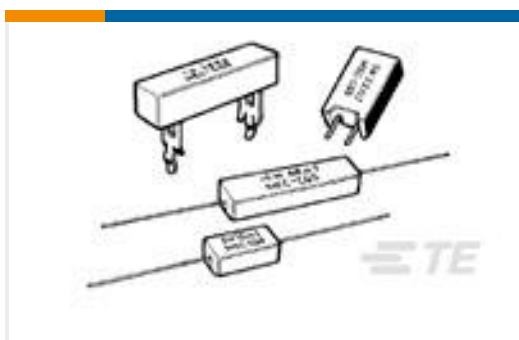


PCB Headers & Receptacles(3490)



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

## Customers Also Bought



TE Part #1623782-6  
SQM5 220R 5% (METAL FILM)



TE Part #1761681-7  
IDC LOW PRO HDR 20P VERT HT BLACK



TE Part #1932258-1  
Std USB 3.0, Type A, R/A, T/H,



TE Part #2-1676481-9  
CPF 0603 75R 0.1% 25PPM 1K RL



TE Part #3-1625892-6  
3W SM M/OX 5% 27R



TE Part #8-2176412-3  
5W XSM M/OX 5% 13K



TE Part #1-2176412-1  
5W XSM M/OX 5% 13R



TE Part #2176412-6  
5W XSM M/OX 5% 8R2



TE Part #4-1623927-3  
CFR16 5% 1R8



## Documents

### Product Drawings

[2x12P MOD II BREAK AWAY HDR,SMD, BLISTER](#)

English

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### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1241050-2\\_C.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1241050-2\\_C.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1241050-2\\_C.3d\\_stp.zip](#)

English

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