# 5-825440-0 ✔ ACTIVE

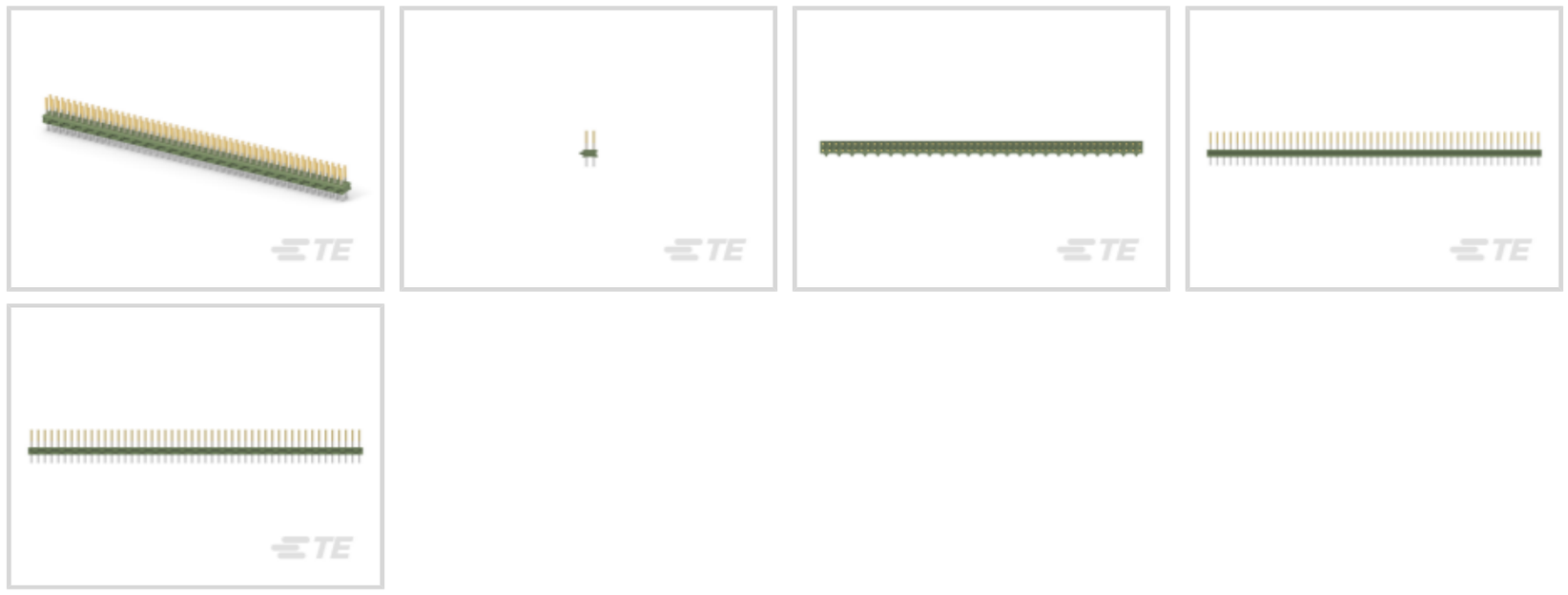
AMPMODU | AMPMODU Headers

TE Internal #: 5-825440-0

PCB Mount Header, Vertical, Board-to-Board, 100 Position, 2.54 mm [.1 in] Centerline, Breakaway, 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: **100**

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 | 100 |
| Number of Rows | 2 |
| Board-to-Board Configuration | Parallel |

### Electrical Characteristics

| | |
|---|---|
| Insulation Resistance | 5000 MΩ |
| Dielectric Withstanding Voltage (Max) | 750 Vrms |

## Body Features

| | |
|---|---|
| Primary Product Color | Green |

## Contact Features

| | |
|---|---|
| Mating Square Post Dimension | .64 mm[.025 in] |
| PCB Contact Termination Area Plating Material Thickness | 2.5 µm |
| Contact Shape & Form | Square |
| Contact Underplating Material | Nickel |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Base Material | Brass |
| Contact Mating Area Plating Material | Gold or Gold Flash over Palladium Nickel |
| Contact Mating Area Plating Material Thickness | .8 µm[31.5 µin] |
| Contact Type | Pin |
| Contact Current Rating (Max) | 5 A |

## Termination Features

| | |
|---|---|
| Square Termination Post & Tail Dimension | .64 mm[.025 in] |
| Termination Post & Tail Length | 3.2 mm[.126 in] |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

## 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 | PBT |

## Dimensions

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

## Usage Conditions

| | |
|---|---|
| Housing Temperature Rating | Standard |
| Operating Temperature Range | -65 - 105 °C[-85 - 221 °F] |

## Operation/Application

| | |
|---|---|
| Circuit Application | Signal |

### Industry Standards

| | |
|---|---|
| UL Flammability Rating | UL 94V-0 |

### Packaging Features

| | |
|---|---|
| Packaging Quantity | 130 |
| Packaging Method | Carton |

## 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 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<br>Does not contain REACH SVHC |
| 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

## Compatible Parts



TE Part # 5-925370-0
MOD IV REC HSG, 2X50P

## Also in the Series | AMPMODU Headers



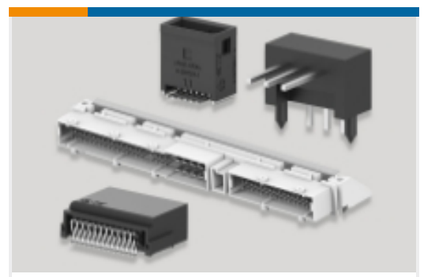
Connector Caps & Covers(1)



Connector Contacts(64)



Connector Hardware(2)

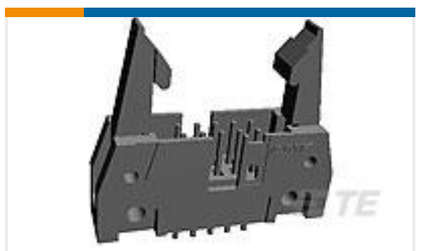


PCB Headers & Receptacles(4349)



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

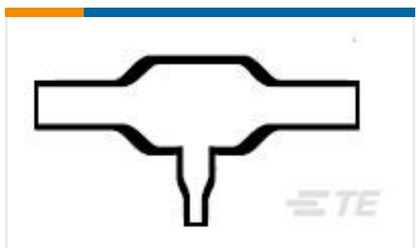
## Customers Also Bought



TE Part # 1-5499206-2
A/L UNIV HDR 64P VERT LG LAT



TE Part # 2-1625931-5
MCU 100K 10% 1"PL



TE Part # 475200-000
322A123-25/225-0



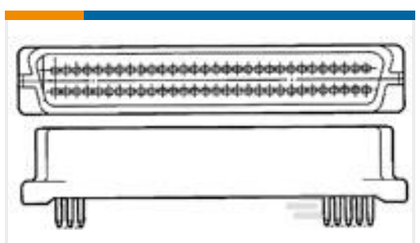
TE Part # 825440-4
MOD 2 PINHDR 2X04P.



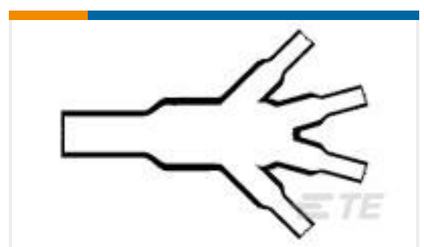
TE Part # 1-84953-6
1MM FPC HORZ.TOP CONT.ASSY 16P



TE Part # 8-1768016-5
CSL-03418P-9



TE Part # 6-5174216-4
AMPLIMITE.050 CAP ASS'Y (V) 60P PB-FREE



TE Part # 982918-000
562A032-25/225-0




TE Part # 5070012016
RNF-100-3/64-X-STK

TE Part # 7-1768019-5
EK920

## Documents

### Product Drawings

MOD 2 PINHDR 2X50P.

English

### CAD Files

3D PDF

English

Customer View Model

ENG_CVM_5-825440-0_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_5-825440-0_F.3d_igs.zip

English

Customer View Model

ENG_CVM_5-825440-0_F.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditionsof use.

### Agency Approvals

UL Report

English