# 2842144-5

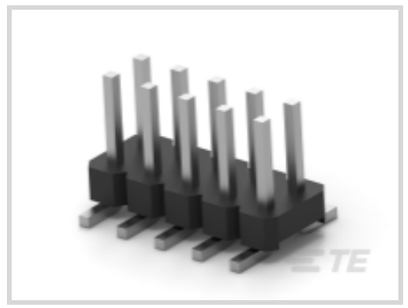
AMPMODU | AMPMODU 2 mm

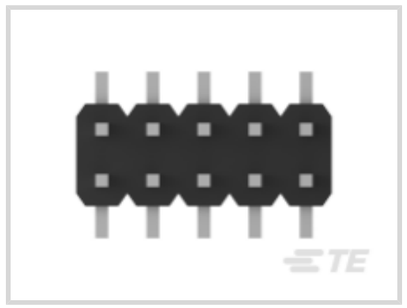
TE Internal #: 2842144-5

TE Internal Description: 10P,2MM,BRK HDR,DRVT,SMD,0.76AU,TR W/CAP

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles







PCB Connector Type: **PCB Mount Header**

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

Number of Positions: **10**

Number of Rows: **2**

Centerline (Pitch): **2 mm [ .079 in ]**

## Features

### Product Type Features

| | |
|---|---|
| PCB Connector Type | PCB Mount Header |
| Connector System | Board-to-Board |
| Header Type | Breakaway |
| Connector & Contact Terminates To | Printed Circuit Board |
| Connector Product Type | Connector Assembly |

### Configuration Features

| | |
|---|---|
| Stackable | No |
| Number of Positions | 10 |
| Number of Rows | 2 |
| PCB Mount Orientation | Vertical |

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 125 VAC |
| Dielectric Withstanding Voltage (Max) | 500 VAC |

### Body Features

| | |
|---|---|
| Assembly Process Feature Material | Thermoplastic |
| Connector Profile | Standard |
| Primary Product Color | Black |

## Contact Features

| | |
|---|---|
| Contact Underplating Material | Nickel |
| Contact Underplating Material Thickness | .5 µm[19.69 µin] |
| PCB Contact Termination Area Plating Material Finish | Bright |
| Mating Square Post Dimension | .5 mm[.02 in] |
| PCB Contact Termination Area Plating Material Thickness | 2 µm[78.74 µin] |
| Contact Shape & Form | Square |
| Contact Layout | Inline |
| Contact Mating Area Length | 4 mm[.157 in] |
| Contact Base Material | Brass |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Mating Area Plating Material Thickness | .76 µm[29.92 µin] |
| Contact Mating Area Plating Material | Gold (Au) |
| Contact Type | Pin |
| Contact Current Rating (Max) | 2 A |

## Termination Features

| | |
|---|---|
| Square Termination Post & Tail Dimension | .5 mm[.02 in] |
| Termination Method to PCB | Surface Mount |

## Housing Features

| | |
|---|---|
| Centerline (Pitch) | 2 mm[.079 in] |
| Housing Material | PA 9T GF |

## Dimensions

| | |
|---|---|
| Connector Width | 4 mm[.157 in] |
| Connector Length | 10 mm[.394 in] |
| Row-to-Row Spacing | 2 mm[.079 in] |
| PCB Thickness (Recommended) | 1.6 mm[.063 in] |

## Usage Conditions

| | |
|---|---|
| Housing Temperature Rating | High |
| Operating Temperature Range | -40 – 125 °C[-40 – 257 °F] |

## Operation/Application

| | |
|---|---|
| Assembly Process Feature | Pick and Place Cover, Plastic Cap |
| Circuit Application | Signal |

## Industry Standards

| | |
|---|---|
| Compatible With Agency/Standards Products | UL |
| UL Rating | Recognized |
| Compatible With Approved Standards Products | UL E28476 |
| UL Flammability Rating | UL 94V-0 |

## Packaging Features

| | |
|---|---|
| Packaging Method | Tape & Reel |

# Product Compliance

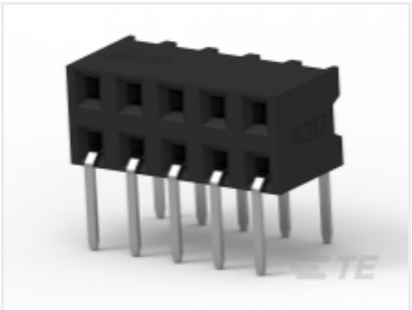
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| 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 2025 (250)<br>Candidate List Declared Against: JUNE 2022 (224)<br>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 |

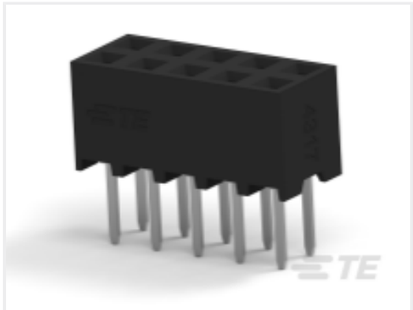
Product Compliance Disclaimer

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

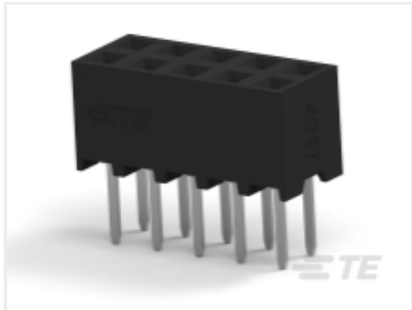
# Compatible Parts



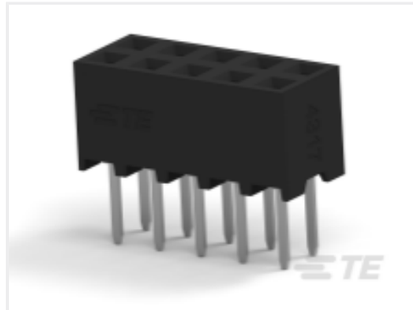
TE Part # 1-2307721-0
10P,2MM,B-B,REC,DRHZ,2.1,0.76AU,TR



TE Part # 1-2307787-0
10P,2MM,B-B,REC,DRVT,3.2,0.76AU, TUBE



TE Part # 1-2307785-0
10P,2MM,B-B,REC,DRVT,2.0,0.76AU, TR,W/CAP



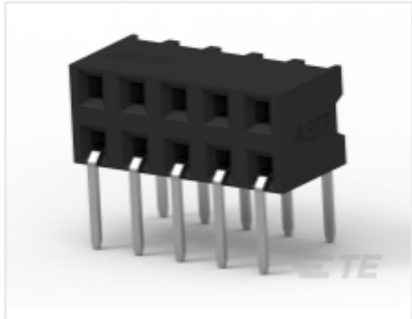
TE Part # 1-2314814-0
10P,2MM,B-B,REC,DRVT,2.0,0.76AU, TB,W/CAP



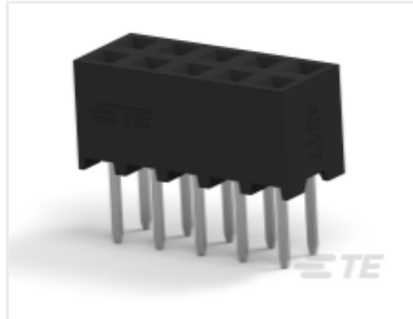
TE Part # 1-2307819-0
10P,2MM,BB,REC,DRVT,SMD,AU.76, TR,W/CP



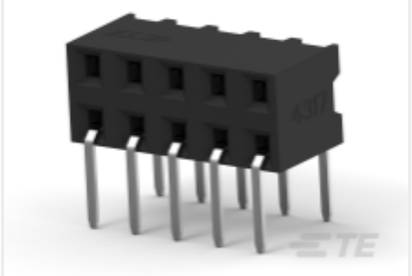
TE Part # 1-2314846-0
10P,2MM,BB,REC,DRVT,SMD,AU.76, TB,W/CP



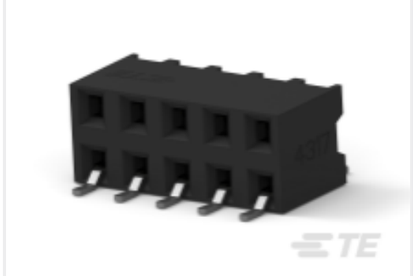
TE Part # 1-2307722-0
10P,2MM,B-B,REC,DRHZ,2.8,0.76AU, TB



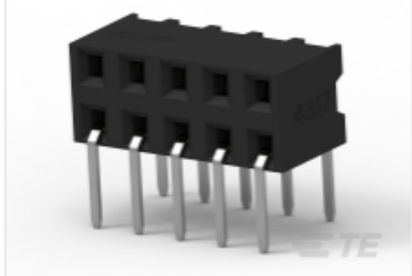
TE Part # 1-2314826-0
10P,2MM,B-B,REC,DRVT,2.7,0.76AU, TB,W/CAP



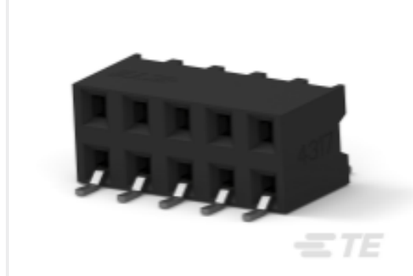
TE Part # 1-2314926-0
10P,2MM,B-B,REC,DRHZ,2.8,0.76AU,TR



TE Part # 1-2314942-0
10P,2MM,B-B,REC,DRHZ,SMD,0.76AU, TB



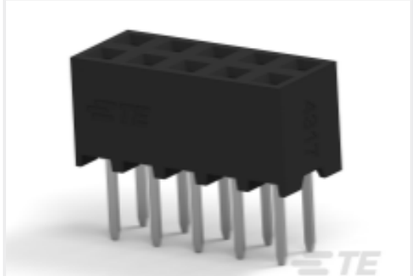
TE Part # 1-2307723-0
10P,2MM,B-B,REC,DRHZ,3.4,0.76AU, TUBE



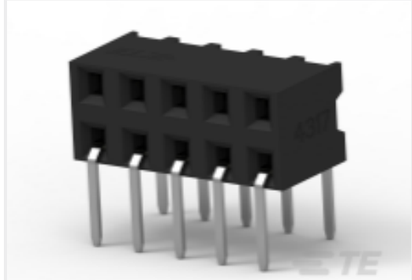
TE Part # 1-2307731-0
10P,2MM,B-B,REC,DRHZ,SMD,0.76AU, TR



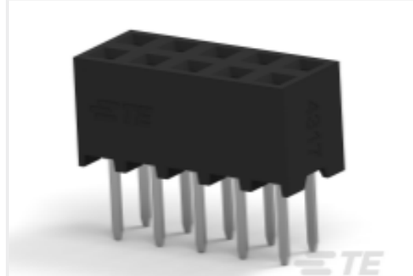
TE Part # 1-2316108-0
10P,2MM,REC,HSG,DR,CRIMP,PLAIN, BOX



TE Part # 1-2307786-0
10P,2MM,B-B,REC,DRVT,2.7,0.76AU, TR,W/CAP

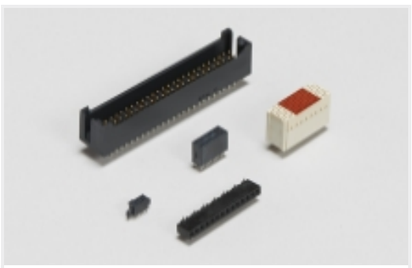


TE Part # 1-2314918-0
10P,2MM,B-B,REC,DRHZ,2.1,0.76AU, TB



TE Part # 1-2314822-0
10P,2MM,B-B,REC,DRVT,2.7,0.76AU,TB

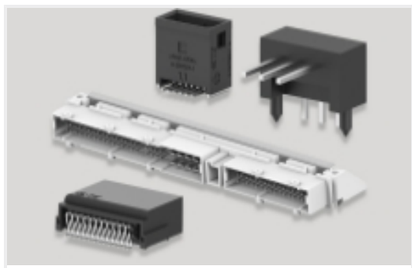
## Also in the Series | AMPMODU 2 mm



Board-to-Board Headers & Receptacles(445)



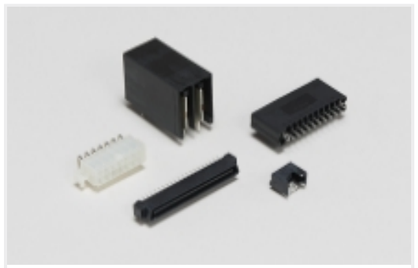
Connector Contacts(17)



PCB Headers & Receptacles(454)



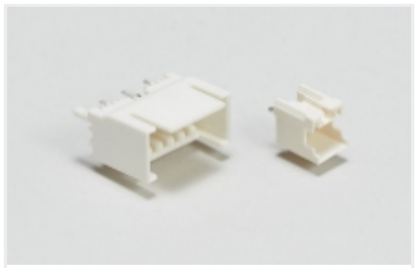
Rectangular Connector Housings(103)



Standard Rectangular Connectors(202)



Wire-to-Board Connector Assemblies & Housings(202)

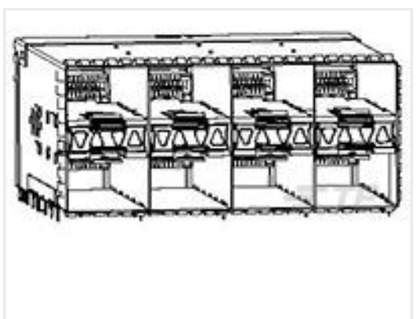


Wire-to-Board Headers & Receptacles (53)

## Customers Also Bought



TE Part #2-2170747-3
CAGE ASSY, 1X4, QSFP28, SPRING, HS, LP



TE Part #2180324-6
zSFP+ STACKED 2X4 RECEPTACLE ASSEMBLY



TE Part #2274842-2
HARDWARE KIT, CFP2, 1X1,

## Documents

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2842144-5_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2842144-5_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2842144-5_A.3d_stp.zip

English

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### Product Specifications

Application Specification

English