# 1-2842124-0 ✔ ACTIVE

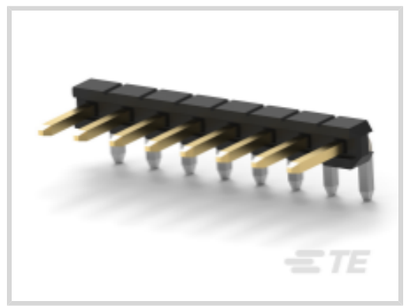
AMPMODU | AMPMODU 2 mm

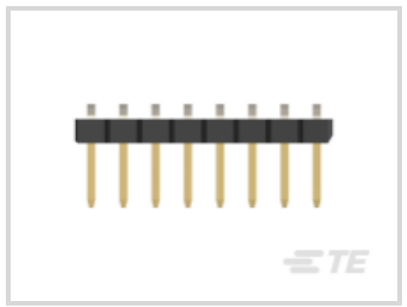
TE Internal #: 1-2842124-0

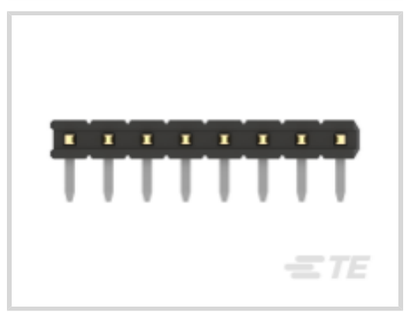
PCB Mount Header, Right Angle, Board-to-Board, 10 Position, 2 mm [.079 in] Centerline, Breakaway, Gold (Au), Through Hole - Solder, AMPMODU 2 mm

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles







PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **10**

Number of Rows: **1**

## 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 |
| PCB Mount Orientation | Right Angle |
| Number of Positions | 10 |
| Number of Rows | 1 |

### Electrical Characteristics

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

### Body Features

| | |
|---|---|
| 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 |
| Contact Mating Area Plating Material Thickness | .76 µm[29.92 µin] |
| 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 | Gold (Au) |
| Contact Type | Pin |
| Contact Current Rating (Max) | 2 A |

## Termination Features

| | |
|---|---|
| Termination Post & Tail Length | 2.8 mm[.11 in] |
| Square Termination Post & Tail Dimension | .5 mm[.02 in] |
| Termination Method to PCB | Through Hole - Solder |

## Housing Features

| | |
|---|---|
| Housing Material | PA9T GF |
| Centerline (Pitch) | 2 mm[.079 in] |

## Dimensions

| | |
|---|---|
| Connector Width | 2 mm[.079 in] |
| PCB Thickness (Recommended) | 1.6 mm[.063 in] |
| Connector Length | 20 mm[.787 in] |

## Usage Conditions

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

## Operation/Application

| | |
|---|---|
| Assembly Process Feature | Without Pick and Place Cover |
| 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 | Box |

## Product Compliance

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

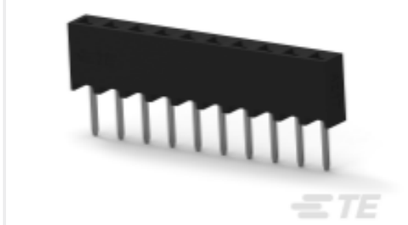
| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JAN 2025 (247)<br>Candidate List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

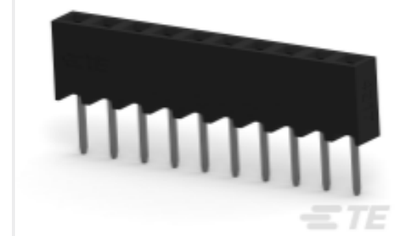
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

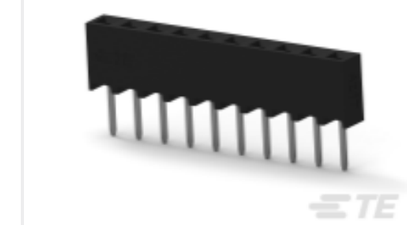
TE Part # 1-2314850-0
10P,2MM,BB,REC,SRVT,SMD,AU.76,TB,W/CP



TE Part # 1-2314870-0
10P,2MM,BB,REC,SRVT,2.0,0.76AU,TB,W/CP

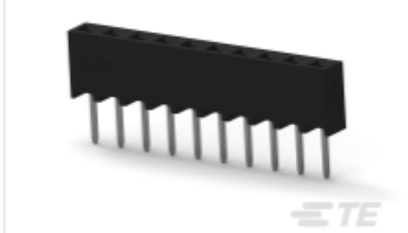


TE Part # 1-2314878-0
10P,2MM,B-B,REC,SRVT,2.7,0.76AU,TB



TE Part # 1-2314882-0
10P,2MM,BB,REC,SRVT,2.7,0.76AU,TB,W/CP

TE Part # 1-2307775-0
10P,2MM,B-B,REC,SRVT,3.2,0.76AU,TUBE



TE Part # 1-2307774-0
10P,2MM,BB,REC,SRVT,2.7,0.76AU,TR,W/CP

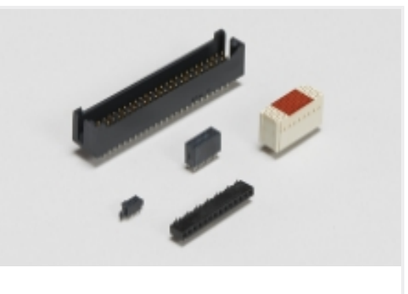
TE Part # 1-2316102-0
10P,2MM,REC,HSG,SR,CRIMP,PLAIN,BOX

TE Part # 1-2317206-0
10P,2MM,REC,IDC,PLAIN,26-30,STRIP,Au0.76

TE Part # 1-2307773-0
10P,2MM,BB,REC,SRVT,2.0,0.76AU,TR,W/CP

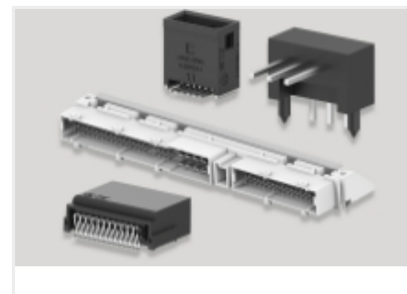
TE Part # 1-2307815-0
10P,2MM,BB,REC,SRVT,SMD,AU.76,TR,W/CP

## Also in the Series | AMPMODU 2 mm

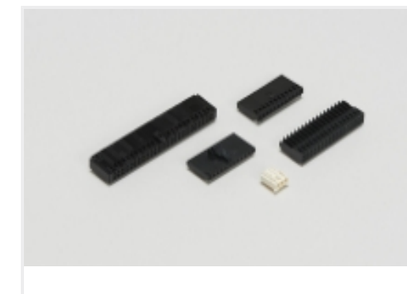


Board-to-Board Headers & Receptacles(8160)

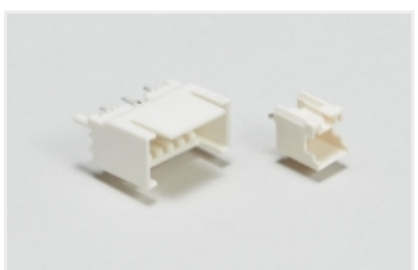
Connector Contacts(27)



PCB Headers & Receptacles(8190)



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

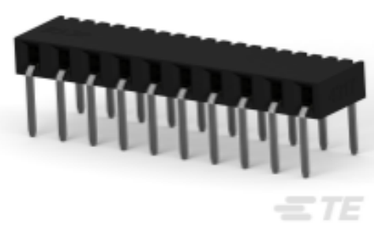


Wire-to-Board Headers & Receptacles (1037)

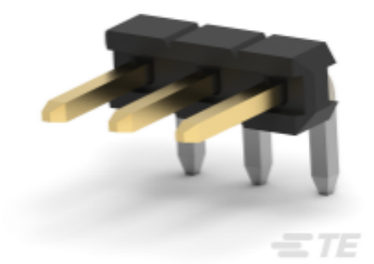
## Customers Also Bought

TE Part #1-2118909-2
PCB Ant, MHF, 100mm, Wi-Fi 6E Triple

TE Part #1513353-1
PCB ANTENNA SINGLE BAND



TE Part #1-2314936-0
10P,2MM,B-B,REC,SRHZ,2.8,0.1AU,TR



TE Part #2842122-3
3P,2MM,BRK HDR,SRRT,2.8,0.1AU,BOX

TE Part #L9000037-01
Antenna 2.4 FPC LH 45x7 100 UFL

TE Part #1-2307725-0
10P,2MM,B-B,REC,SRHZ,SMD,0.1AU, TR

TE Part #1-2307727-0
10P,2MM,B-B,REC,SRHZ,SMD,0.76AU

TE Part #2307815-3
3P,2MM,BB,REC,SRVT,SMD,AU.76,TR, W/CP

TE Part #2344657-2
FPC ANTENNA, MHF, 100mm, Wi-Fi TRIPLE

TE Part #L9000046-01
Antenna 2.4 FPC LV 7x45 200 UFL

## Documents

### Product Drawings

10P,2MM,BRK HDR,SRRT,2.8,0.76AU,BOX

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2842124-0_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2842124-0_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2842124-0_A.3d_stp.zip

English

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### Product Specifications

## Application Specification

English