# 1-2842103-0 ✔ ACTIVE

AMPMODU | AMPMODU 2 mm

TE Internal #: 1-2842103-0

PCB Mount Header, Vertical, Board-to-Board, 10 Position, 2 mm [.079 in] Centerline, Breakaway, Gold, Surface Mount, Signal, Black, AMPMODU 2 mm

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PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **10**

Number of Rows: **1**

## Features

### Product Type Features

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

### Configuration Features

| | |
|---|---|
| Stackable | No |
| PCB Mount Orientation | Vertical |
| Number of Positions | 10 |
| Number of Rows | 1 |

### Electrical Characteristics

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

### Body Features

| | |
|---|---|
| Assembly Process Feature Material | Thermoplastic |

| | |
|---|---|
| Connector Profile | Standard |
| Primary Product Color | Black |

## Contact Features

| | |
|---|---|
| Contact Mating Area Length | 4 mm[.157 in] |
| Mating Square Post Dimension | .5 mm[.02 in] |
| PCB Contact Termination Area Plating Material Thickness | 2 µm[78.74 µin] |
| Contact Layout | Inline |
| Contact Underplating Material Thickness | .5 µm[19.69 µin] |
| PCB Contact Termination Area Plating Material Finish | Bright |
| 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 |
| Contact Mating Area Plating Material Thickness | .38 µm[14.96 µin] |
| Contact Type | Pin |
| Contact Current Rating (Max) | 2 A |

## Termination Features

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

## Mechanical Attachment

| | |
|---|---|
| PCB Mount Retention | Without |

## Housing Features

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

## Dimensions

| | |
|---|---|
| Connector Length | 20 mm[.787 in] |
| Connector Width | 2 mm[.079 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

| | |
|---|---|
| UL Rating | Recognized |
| Compatible With Agency/Standards Products | UL |
| 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: 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 | Reflow solder capable to 260°C |

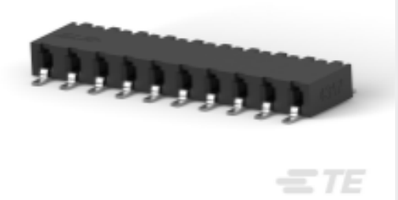
Product Compliance Disclaimer

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

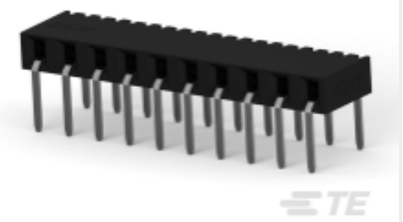
## Compatible Parts



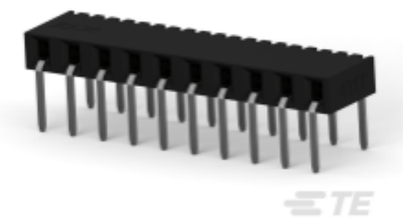
TE Part # 1-2316102-0
10P,2MM,REC,HSG,SR,CRIMP,PLAIN, BOX



TE Part # 1-2307726-0
10P,2MM,B-B,REC,SRHZ,SMD,0.38AU, TR



TE Part # 1-2307707-0
10P,2MM,B-B,REC,SRHZ,2.8,0.38AU,TB



TE Part # 1-2314937-0
10P,2MM,B-B,REC,SRHZ,2.8,0.38AU,TR



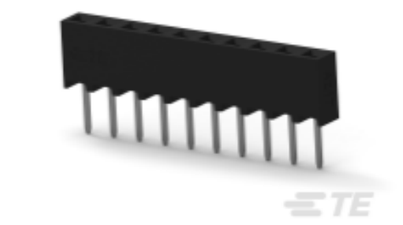
TE Part # 1-2314849-0
10P,2MM,BB,REC,SRVT,SMD,AU.38, TB,W/CP



TE Part # 1-2307814-0
10P,2MM,BB,REC,SRVT,SMD,AU.38,TR, W/CP



TE Part # 1-2314869-0
10P,2MM,BB,REC,SRVT,2.0,0.38AU,TB, W/CAP



TE Part # 1-2307770-0
10P,2MM,BB,REC,SRVT,2.0,0.38AU,TR, W/CP



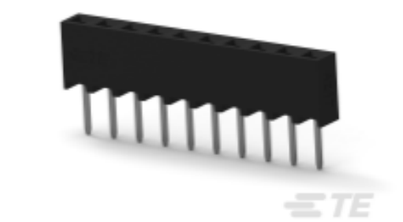
TE Part # 1-2314877-0
10P,2MM,B-B,REC,SRVT,2.7,0.38AU,TB



TE Part # 1-2314881-0
10P,2MM,BB,REC,SRVT,2.7,0.38AU,TB, W/CP



TE Part # 1-2307771-0
10P,2MM,BB,REC,SRVT,2.7,0.38AU,TR, W/CP



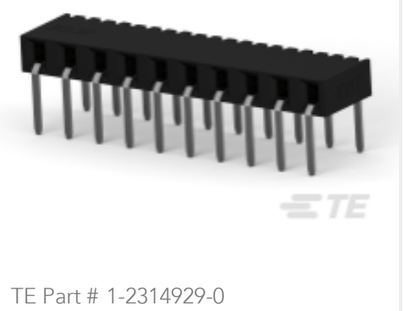
TE Part # 1-2307772-0
10P,2MM,B-B,REC,SRVT,3.2,0.38AU, TUBE



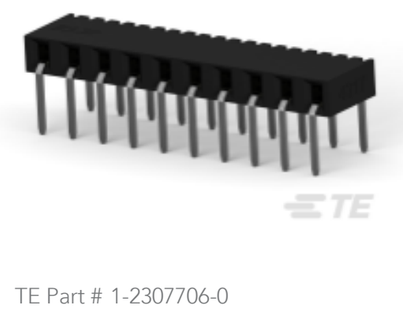
TE Part # 1-2317205-0
10P,2MM,REC,IDC,PLAIN,26-30,STRIP, Au0.38



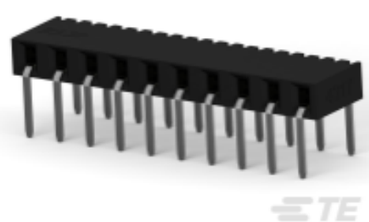
TE Part # 1-2314945-0
10P,2MM,B-B,REC,SRHZ,SMD,0.38AU, TB



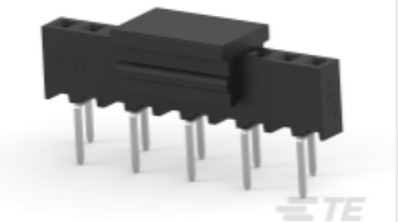
TE Part # 1-2314929-0
10P,2MM,B-B,REC,SRHZ,2.1,0.38AU,TB



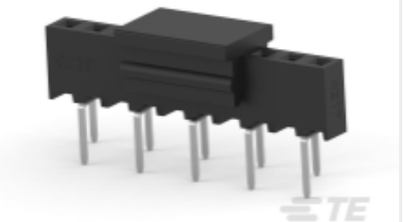
TE Part # 1-2307706-0
10P,2MM,B-B,REC,SRHZ,2.1,0.38AU,TR



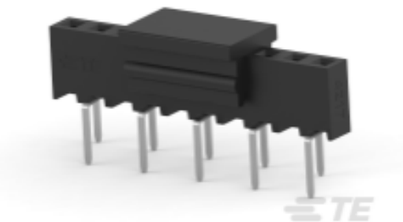
TE Part # 1-2307708-0
10P,2MM,B-B,REC,SRHZ,3.4,0.38AU, TUBE



TE Part # 1-2314901-0
10P,2MM,REC,SRVT,OTR,2.3,0.38AU, TB,W/CP



TE Part # 1-2307838-0
10P,2MM,REC,SRVT,OTR,2.3,0.38AU, TR,W/CP

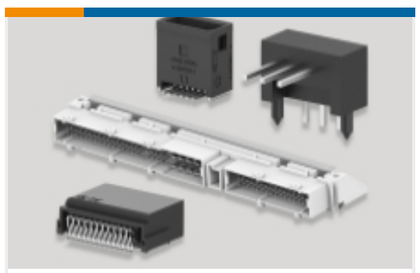


TE Part # 1-2314909-0
10P,2MM,B-B,REC,SRVT,OTR,2.8,0.38 AU,TB

## Also in the Series | AMPMODU 2 mm



Connector Contacts(27)



PCB Headers & Receptacles(10387)



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

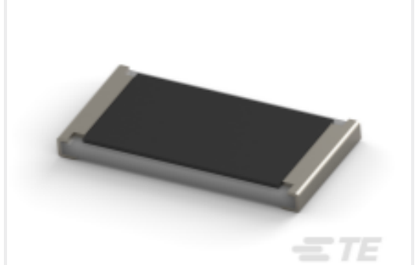
## Customers Also Bought



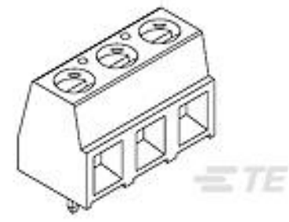
TE Part # 5552725-1
ASSY,RCPT,50 POSN, RTANG, PCB



TE Part # 5747844-6
09 MSFL RCPT RA 318 (SL,FM,BL)



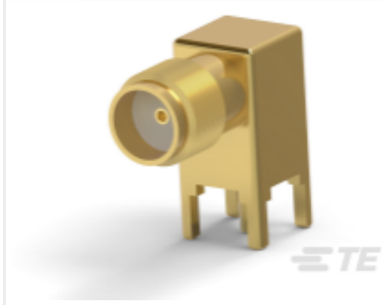
TE Part # 9-2176070-7
SMD Power Resistor: 2 Watt, 3521 Series



TE Part # 1776119-2
2P TERMI-BLOK,PCB,HIGH TEMP



TE Part # 2-2176094-1
RP 2A 0.25W 191K 0.1% 25PPM 1K RL



TE Part # 5-1814400-2
SMA R/A PCB Skt GZD

## Documents

### CAD Files

3D PDF

3D

Customer View Model
ENG_CVM_CVM_1-2842103-0_B.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_1-2842103-0_B.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_1-2842103-0_B.3d_stp.zip

English

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

### Product Specifications

Application Specification

English

PCB Mount Header, Vertical, Board-to-Board, 10 Position, 2 mm [.079 in] Centerline, Breakaway, Gold, Surface Mount, Signal, Black, AMPMODU 2 mm