

2842123-8 ✓ ACTIVE

AMPMODU | AMPMODU 2 mm

TE Internal #: 2842123-8

PCB Mount Header, Right Angle, Board-to-Board, 8 Position, 2 mm

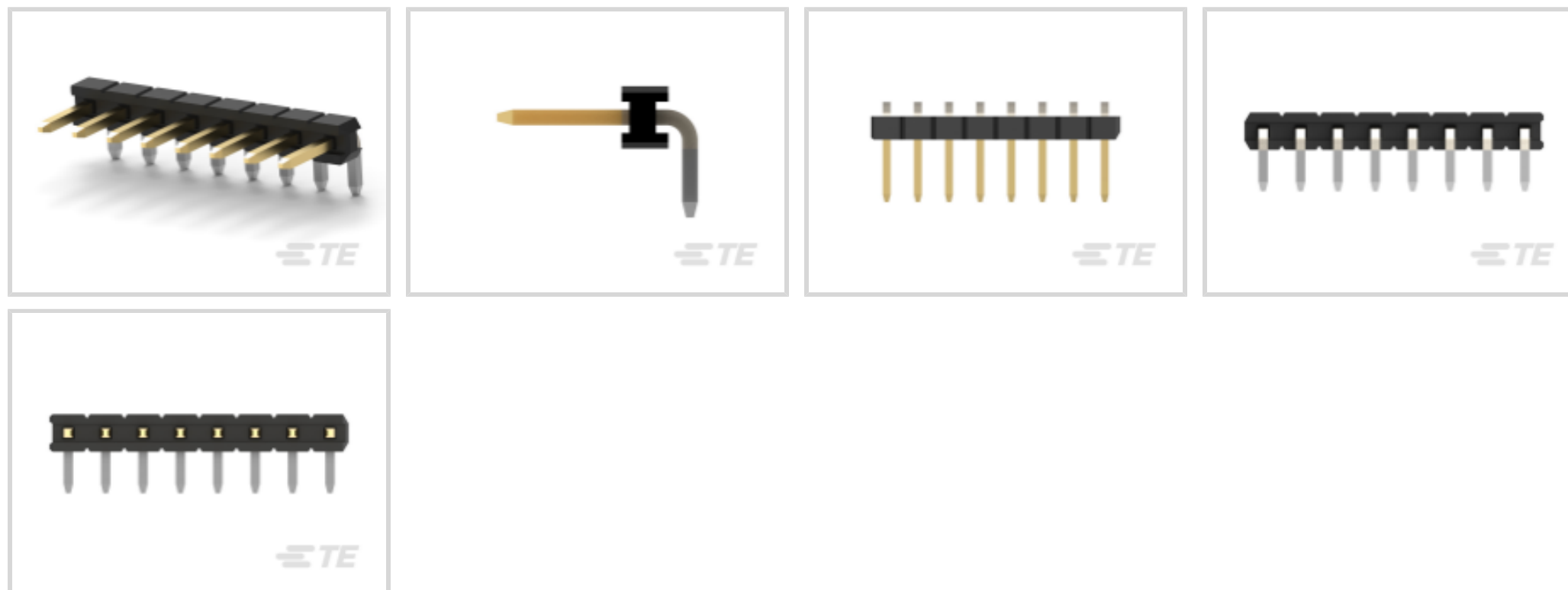
[.079 in] Centerline, Breakaway, Gold, Through Hole - Solder,

Signal, AMPMODU 2 mm

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Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **8**

Number of Rows: **1**

Features

Electrical Characteristics

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

Dimensions

| | |
|-----------------------------|-----------------|
| Connector Width | 2 mm[.079 in] |
| PCB Thickness (Recommended) | 1.6 mm[.063 in] |
| Connector Length | 16 mm[.63 in] |

Industry Standards

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

Usage Conditions

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



Body Features

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

Operation/Application

| | |
|--------------------------|------------------------------|
| Assembly Process Feature | Without Pick and Place Cover |
| Circuit Application | Signal |

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 |

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 | .38 μm [14.96 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 |
| Contact Type | Pin |
| Contact Current Rating (Max) | 2 A |

Housing Features

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

Configuration Features

| | |
|-----------------------|-------------|
| Stackable | No |
| PCB Mount Orientation | Right Angle |
| Number of Positions | 8 |



| | |
|----------------|---|
| Number of Rows | 1 |
|----------------|---|

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 |

Packaging Features

| | |
|------------------|-----|
| Packaging Method | Box |
|------------------|-----|

Other

| | |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance | Compliant |

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: JUNE 2024 (241) 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 # 2314869-8
8P,2MM,BB,REC,SRVT,2.0,0.38AU,TB,
W/CAP



TE Part # 2314881-8
8P,2MM,BB,REC,SRVT,2.7,0.38AU,TB,
W/CP



TE Part # 2314877-8
8P,2MM,B-B,REC,SRVT,2.7,0.38AU,TB



TE Part # 2307771-8
8P,2MM,BB,REC,SRVT,2.7,0.38AU,TR,
W/CP



TE Part # 2307770-8
8P,2MM,BB,REC,SRVT,2.0,0.38AU,TR,
W/CP



TE Part # 2307772-8
8P,2MM,B-B,REC,SRVT,3.2,0.38AU,
TUBE



TE Part # 2307814-8
8P,2MM,BB,REC,SRVT,SMD,AU.38,TR,
W/CP



TE Part # 2316102-8
8P,2MM,REC,HSG,SR,CRIMP,PLAIN,
BOX

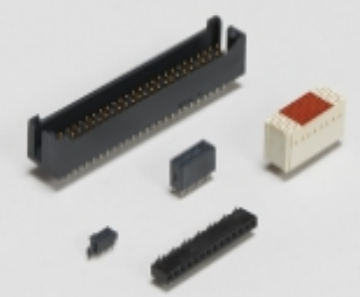


TE Part # 2314849-8
8P,2MM,BB,REC,SRVT,SMD,AU.38,TB,
W/CP




TE Part # 2317205-8
8P,2MM,REC,IDC,PLAIN,26-30,STRIP,
Au0.38

Also in the Series | AMPMODU 2 mm




Board-to-Board Headers &
Receptacles(8161)



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 #1-928836-2
MOD2 PIN WITH A-PIN L/P



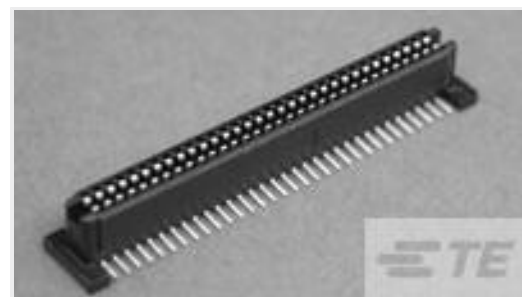
TE Part #5-103911-3
60 SYSTEM 50 RCPT ASSY DRRA



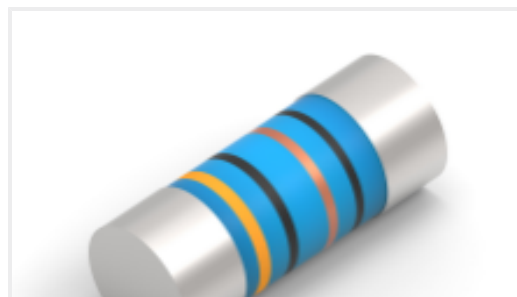
TE Part #5-104076-2
60 SYS50 HDR DRST SHRD W/SL SN



TE Part #1-1825006-9
GDS10S04=DIP SW,SLIDE,SMT



TE Part #5146893-2
1FHR,84,30A/S,S,C,S08,09,10



TE Part #2176314-4
MELF SMA_A 180R 0.1% 15PPM 0102
0.3W



TE Part #3-1415020-1
PT570N20



TE Part #1-1437581-1
ASE22RL=AUTOSLIDE DP



TE Part #4-2176391-7
RQ 1206 37K4 0.1% 10PPM 5K RL



TE Part #7-2176246-6
CRGS2512 5% 1M8

Documents

Product Drawings

[8P,2MM,BRK HDR,SRRT,2.8,0.38AU,BOX](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2842123-8_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2842123-8_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2842123-8_A.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

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PCB Mount Header, Right Angle, Board-to-Board, 8 Position, 2 mm [.079 in]
Centerline, Breakaway, Gold, Through Hole - Solder, Signal, AMPMODU 2 mm



[Product Specifications](#)

[Application Specification](#)

English