



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: **22**

Number of Rows: **2**

## Features

### Product Type Features

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

### Configuration Features

|                                  |              |
|----------------------------------|--------------|
| Connector Contact Load Condition | Fully Loaded |
| PCB Mount Orientation            | Right Angle  |
| Number of Positions              | 22           |
| Number of Rows                   | 2            |

### Electrical Characteristics

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

### Body Features

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

### Contact Features

|   |                 |
|---|-----------------|
| PCB Contact Termination Area Plating Material Thickness | 2 μm            |
| Mating Pin Diameter                                     | .63 mm[.025 in] |
| Contact Shape & Form                                    | Square          |

|                               |        |
|-------------------------------|--------|
| Contact Underplating Material | Nickel |
|-------------------------------|--------|

|   |          |
|---|----------|
| PCB Contact Termination Area Plating Material | Tin-Lead |
|---|----------|

|                       |       |
|-----------------------|-------|
| Contact Base Material | Brass |
|-----------------------|-------|

|                                      |      |
|--------------------------------------|------|
| Contact Mating Area Plating Material | Gold |
|--------------------------------------|------|

|  |   |
|--|---|
| Contact Mating Area Plating Material Thickness | .381 $\mu\text{m}$ [15 $\mu\text{in}$ ] |
|--|---|

|              |     |
|--------------|-----|
| Contact Type | Pin |
|--------------|-----|

|                              |     |
|------------------------------|-----|
| Contact Current Rating (Max) | 3 A |
|------------------------------|-----|

### Termination Features

|  |                 |
|--|-----------------|
| Round Termination Post & Tail Diameter | .63 mm[.025 in] |
|--|-----------------|

|                                |                 |
|--------------------------------|-----------------|
| Termination Post & Tail Length | 2.79 mm[.11 in] |
|--------------------------------|-----------------|

|   |                       |
|---|-----------------------|
| Termination Method to Printed Circuit Board | Through Hole - Solder |
|---|-----------------------|

### Mechanical Attachment

|                  |      |
|------------------|------|
| Mating Alignment | With |
|------------------|------|

|                       |              |
|-----------------------|--------------|
| Mating Alignment Type | Polarization |
|-----------------------|--------------|

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

|                     |         |
|---------------------|---------|
| PCB Mount Alignment | Without |
|---------------------|---------|

|                         |             |
|-------------------------|-------------|
| Connector Mounting Type | Board Mount |
|-------------------------|-------------|

### Housing Features

|                    |                |
|--------------------|----------------|
| Centerline (Pitch) | 2.54 mm[.1 in] |
|--------------------|----------------|

|                  |               |
|------------------|---------------|
| Housing Material | Thermoplastic |
|------------------|---------------|

### 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 | -55 – 125 $^{\circ}\text{C}$ [-67 – 257 $^{\circ}\text{F}$ ] |
|-----------------------------|--|

### Operation/Application

|                        |                |
|------------------------|----------------|
| Solder Process Feature | Board Standoff |
|------------------------|----------------|

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

### Industry Standards

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

### Packaging Features



|                    |     |
|--------------------|-----|
| Packaging Quantity | 110 |
| Packaging Type     | 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: JUNE 2023 (235)<br>Candidate List Declared Against: JAN 2017 (173)<br>SVHC > Threshold:<br>Not Yet Reviewed |
| Halogen Content                               | Not Yet Reviewed for halogen content   |
| 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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

### Compatible Parts



## Also in the Series | AMPMODU Headers



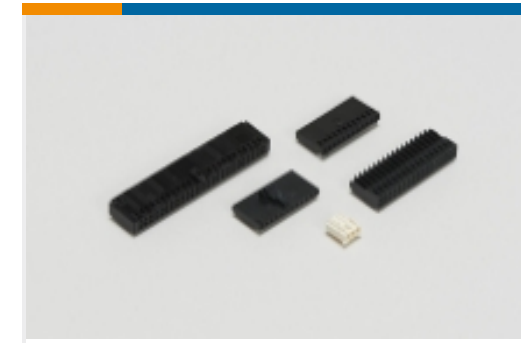
Connector Caps & Covers(1)




Connector Hardware(2)



PCB Headers & Receptacles(4843)



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



Wire-to-Board Connector Contacts(65)

## Customers Also Bought



TE Part #3-2319848-1  
END STACK DIP 10P G RECESS SEAL TUBE



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



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



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



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



TE Part #3-1415020-1  
PT570N20



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

## Documents

[Product Drawings](#)  
[2X11P MOD2 ST-STECK](#)

English

[Datasheets & Catalog Pages](#)  
[AMPMODU Interconnection System](#)  
[AMPMODU Interconnection System](#)



English