# 5-146257-5 ✔ ACTIVE

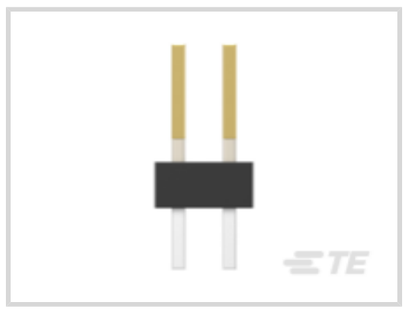
AMPMODU | AMPMODU Headers

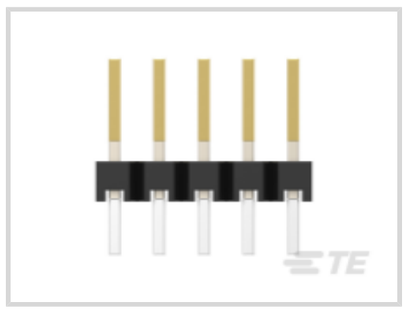
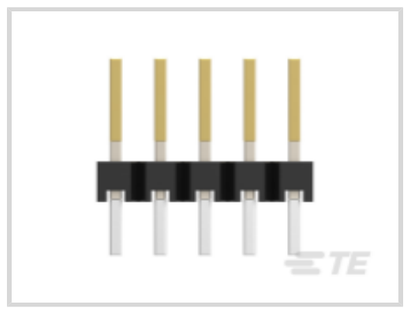
TE Internal #: 5-146257-5

PCB Mount Header, Vertical, Board-to-Board, 10 Position, 2.54 mm [.1 in] Centerline, Breakaway, Gold (Au), Through Hole - Solder, AMPMODU Headers

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): **2.54 mm [ .1 in ]**

## Features

### Product Type Features

| | |
|---|---|
| PCB Connector Type | PCB Mount Header |
| Connector System | Board-to-Board |
| Header Type | Breakaway |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |
| Connector Product Type | Connector Assembly |

### Configuration Features

| | |
|---|---|
| Connector Contact Load Condition | Fully Loaded |
| Number of Positions | 10 |
| Number of Rows | 2 |
| PCB Mount Orientation | Vertical |
| Board-to-Board Configuration | Parallel |

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 30 VAC |

## Body Features

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

## Contact Features

| | |
|---|---|
| | 100 – 200 µin |
| Contact Underplating Material | Nickel |
| PCB Contact Termination Area Plating Material Finish | Matte |
| Mating Square Post Dimension | .64 mm[.025 in] |
| Contact Shape & Form | Square |
| Contact Base Material | Phosphor Bronze |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Mating Area Plating Material Thickness | .762 µm[30 µin] |
| Contact Mating Area Plating Material | Gold (Au) |
| Contact Type | Pin |
| Contact Current Rating (Max) | 3 A |

## Termination Features

| | |
|---|---|
| Termination Post & Tail Length | 3.05 mm[.12 in] |
| Square Termination Post & Tail Dimension | .64 mm[.025 in] |
| Termination Method to PCB | Through Hole - Solder |

## Mechanical Attachment

| | |
|---|---|
| Connector Mounting Type | Board Mount |
| Mating Alignment | Without |
| PCB Mount Alignment | Without |
| PCB Mount Retention | Without |

## 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 | High |

| | |
|---|---|
| Operating Temperature Range | -65 – 105 °C[-85 – 221 °F] |

### Operation/Application

| | |
|---|---|
| Solder Process Feature | Board Standoff |
| Circuit Application | Signal |

### Industry Standards

| | |
|---|---|
| Compatible With Approved Standards Products | CSA LR7189, UL E28476 |
| UL Flammability Rating | UL 94V-0 |

### Packaging Features

| | |
|---|---|
| Packaging Quantity | 320 |
| Packaging Method | Carton |

## Product Compliance

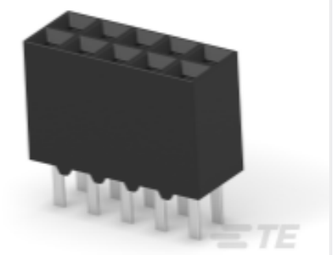
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| 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 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content | Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free |
| Solder Process Capability | Pin-in-Paste capable to 260°C |

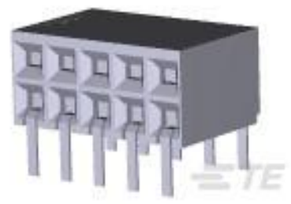
Product Compliance Disclaimer

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 # 5-534206-5
10 MODII VRT DR CE 100/115



TE Part # 6-5535512-4
10 MODII HORZ DR CE EESS .100

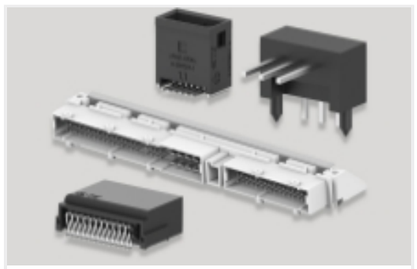
## Also in the Series | AMPMODU Headers



Automotive Headers(3)



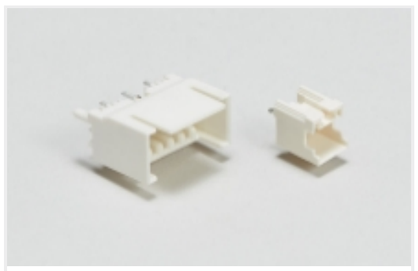
Automotive Signal & Power Headers(3)



PCB Headers & Receptacles(1173)

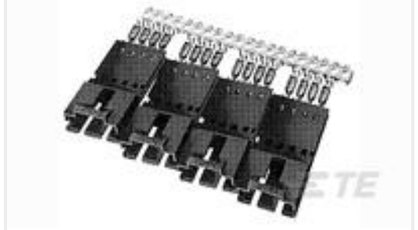


Rectangular Power Connectors(25)



Wire-to-Board Headers & Receptacles (78)

## Customers Also Bought



TE Part #5-103944-2
5X3 MTE SHRD PIN SR POL .100

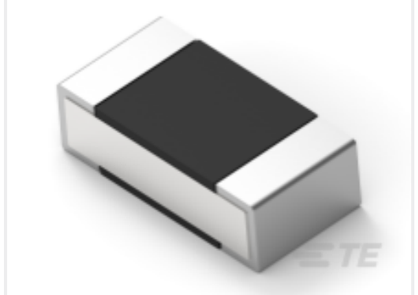


TE Part #323136
SOLIS SPDFLG 22-16COM22-18MIL6



TE Part #1-1415542-2
PT530S15

TE Part #1-1419106-8
27E1062=SOCKET,KH,14,SCW,POLY, DINRAIL



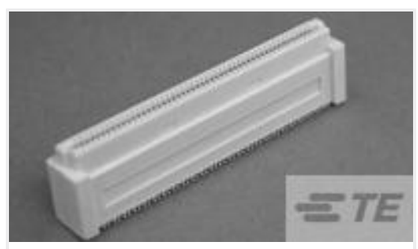
TE Part #1-2176310-9
RP 1E 0.1W 165R 0.1% 25PPM 1K RL



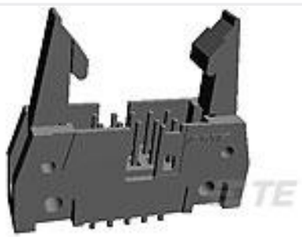

TE Part #3-2176326-4
CRGP 0603 5K6 1%



TE Part #3-5177986-2
0.8FH,P08H.5,060,08/Sn,TR,SC



TE Part #5-5179010-2
0.8FH,R13H.5,060,08/Sn,TU



TE Part #5499160-3
A/L UNIV HDR 16P VERT SHT LAT

TE Part #3-1415545-7
PT530T30

## Documents

### Product Drawings

10P MODII HDR DRST B/A LF

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-146257-5_J.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-146257-5_J.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-146257-5_J.3d_stp.zip

English

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