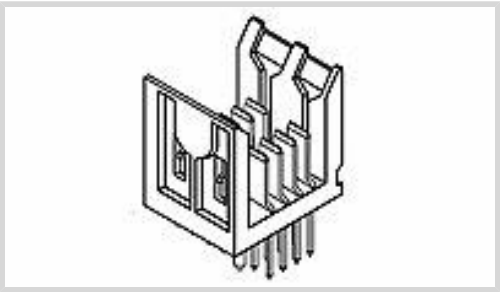




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **8**

Number of Rows: **4**

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| Mixed & Hybrid Header | No |
| Connector Shape | Rectangular |
| PCB Connector Type | PCB Mount Header |
| Connector System | Board-to-Board |
| Header Type | Partially Shrouded |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |
| Connector Product Type | Connector Assembly |

Configuration Features

| | |
|----------------------------------|--------------|
| Number of Loaded Positions | 8 |
| Number of Power Positions | 8 |
| Connector Contact Load Condition | Fully Loaded |
| PCB Mount Orientation | Vertical |
| Number of Positions | 8 |
| Number of Rows | 4 |

Electrical Characteristics

| | |
|-----------------------|---------|
| Operating Voltage | 30 VDC |
| Insulation Resistance | 5000 MΩ |



| | |
|--------------------|-------|
| Contact Resistance | 10 mΩ |
|--------------------|-------|

Body Features

| | |
|-----------------------|---------|
| Primary Product Color | Natural |
|-----------------------|---------|

Contact Features

| | |
|---|-------------------------------|
| Contact Underplating Material | Nickel |
| Contact Underplating Material Thickness | 1.27 – 2.54 μm[50 – 100 μin] |
| PCB Contact Termination Area Plating Material Finish | Matte |
| Contact Mating Area Plating Material Thickness | .76 μm[30 μin] |
| PCB Contact Termination Area Plating Material Thickness | 3.81 – 6.35 μm[150 – 250 μin] |
| Contact Layout | Matrix |
| Contact Mating Area Length | 8 mm[.315 in] |
| Contact Base Material | Phosphor Bronze |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Mating Area Plating Material | Gold (Au) |
| Contact Type | Pin |
| Contact Current Rating (Max) | 3 A |

Termination Features

| | |
|--------------------------------|-----------------------|
| Termination Post & Tail Length | 4.25 mm[.167 in] |
| Termination Method to PCB | Through Hole - Solder |

Mechanical Attachment

| | |
|--------------------------|----------------|
| Panel Mount Feature | Without |
| Mating Retention Type | Detent Lock |
| Mating Retention | With |
| Mating Alignment Type | Polarizing Rib |
| PCB Mount Alignment Type | Locating Posts |
| PCB Mount Retention | Without |
| PCB Mount Alignment | With |
| Connector Mounting Type | Board Mount |
| Mating Alignment | With |

Housing Features

| | |
|-----------------------|-----|
| Mating Entry Location | Top |
| Housing Material | LCP |
| | |



| | |
|--------------------|---------------|
| Centerline (Pitch) | 2 mm[.079 in] |
|--------------------|---------------|

Dimensions

| | |
|-----------------------------|-------------------|
| Row-to-Row Spacing | 2 mm[.079 in] |
| Connector Width | 15.8 mm[.622 in] |
| PCB Thickness (Recommended) | 1.6 mm[.063 in] |
| Connector Height | 17 mm[.668 in] |
| Connector Length | 11.88 mm[.486 in] |

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Operating Temperature (Max) | 125 °C[257 °F] |
| Operating Temperature Range | -55 – 125 °C[-67 – 257 °F] |

Operation/Application

| | |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

Industry Standards

| | |
|------------------------|-------------------------------|
| Glow Wire Rating | Standard Part - Not Glow Wire |
| UL Flammability Rating | UL 94V-0 |

Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 48 |
| Packaging Method | Tube |

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) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F, I < 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 # 5536607-1
[2MM FB,ASY,008,PWR,REC,SL,2.73](#)

Also in the Series | Z-PACK Future Bus+

Backplane Connector Housings(19)

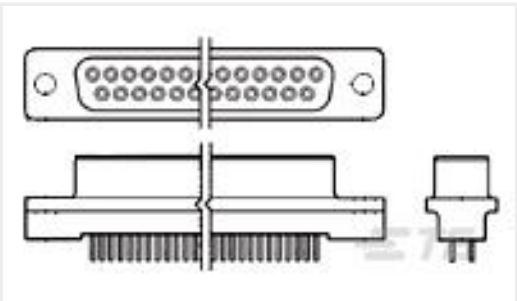
Board-to-Board Headers & Receptacles(14)

Hard Metric Backplane Connectors(1)

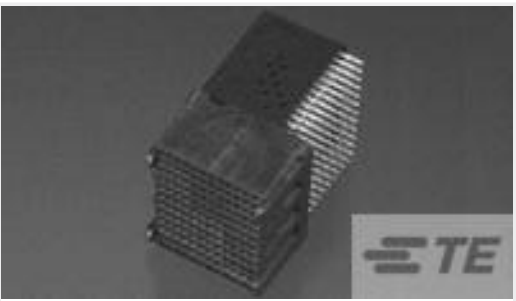
PCB Headers & Receptacles(14)

Rectangular Power Connectors(14)

Customers Also Bought



TE Part #5745076-6
HD-20 RCPT 9P VERT FFSCRLK



TE Part #5120637-1
12 ROW HM RA REC ASY 144P CTR



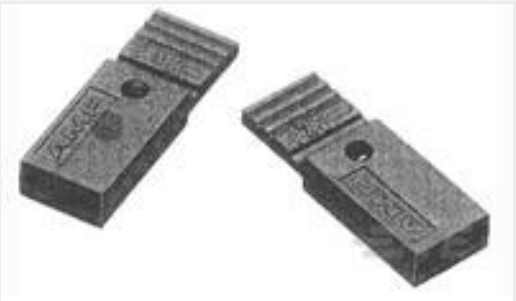
TE Part #350180-2
TEST PROBE REC130L SPCL RED GPBR



TE Part #770476-2
SL156 RECPT, AUNI/PHBZ



TE Part #1658543-2
SOCKET CONT DUPL PLT STRIP HD-



TE Part #881545-1
SHUNT LP W/HANDLE 2POS 15AU



TE Part #91597-1
CCII SL-156 REC 24-18 ASSY



TE Part #103308-1
010 LOPRO HDR SP 15DP



TE Part #1934301-1
TinMan header Assy 3x8 Right



TE Part #58614-1
PROCRIMP, HT&D SL156

Documents

Product Drawings

2MMFB,ASY,008,PWR,HDR,SL,4.25

English

CAD Files

Customer View Model

ENG_CVM_5536623-1_O.3d_igs.zip

English

Customer View Model

ENG_CVM_5536623-1_O.3d_stp.zip

English

Customer View Model

ENG_CVM_5536623-1_O.2d_dxf.zip

English

3D PDF

English

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

Datasheets & Catalog Pages



POWER_CONNECTORS_CATALOG_SEC01_BOARD_TO_BOARD

English

Product Specifications

Application Specification

English