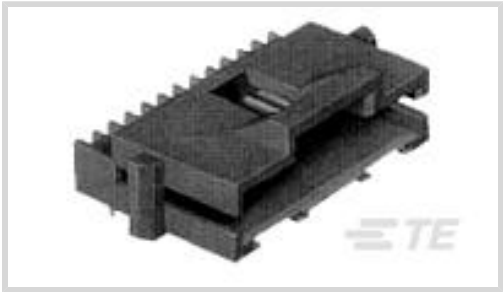




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **25**

Number of Rows: **1**

Features

Product Type Features

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

Configuration Features

| | |
|----------------------------------|---------------|
| Connector Contact Load Condition | Fully Loaded |
| Board-to-Board Configuration | Perpendicular |
| PCB Mount Orientation | Right Angle |
| Number of Positions | 25 |
| Number of Rows | 1 |

Electrical Characteristics

| | |
|---------------------------------------|---------|
| Operating Voltage | 30 VAC |
| Insulation Resistance | 5000 MΩ |
| Dielectric Withstanding Voltage (Max) | 500 VAC |

Body Features

| | |
|--|----------------------|
| PCB Retention Feature Plating Material | Tin-Lead over Nickel |
|--|----------------------|



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

Contact Features

| | |
|---|-------------------------------|
| Contact Underplating Material | Nickel |
| PCB Contact Termination Area Plating Material Finish | Matte |
| Contact Mating Area Plating Material Thickness | .76 µm[30 µin] |
| Mating Square Post Dimension | .38 mm[.015 in] |
| Contact Shape & Form | Rectangular |
| PCB Contact Termination Area Plating Material Thickness | 3.81 – 6.35 µm[150 – 250 µin] |
| Contact Base Material | Copper Alloy |
| PCB Contact Termination Area Plating Material | Tin-Lead |
| Contact Mating Area Plating Material | Gold (Au) |
| Contact Type | Pin |
| Contact Current Rating (Max) | 3.6 A |

Termination Features

| | |
|----------------------------------|-----------------------|
| Termination Post & Tail Diameter | .38 mm[.015 in] |
| Termination Post & Tail Length | 2.54 mm[.1 in] |
| Termination Method to PCB | Through Hole - Solder |

Mechanical Attachment

| | |
|--------------------------|----------------|
| Mating Retention Type | Latching |
| Mating Retention | With |
| PCB Mount Retention Type | Hold-Down Post |
| Mating Alignment Type | Polarization |
| PCB Mount Retention | With |
| PCB Mount Alignment | Without |
| Connector Mounting Type | Board Mount |
| Mating Alignment | With |

Housing Features

| | |
|--------------------|-----------------|
| Housing Material | LCP |
| Centerline (Pitch) | 1.27 mm[.05 in] |

Dimensions

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

Packaging Features

| | |
|--------------------|-----------|
| Packaging Quantity | 13 |
| Packaging Method | Box, Tube |

Other

| | |
|----------------------------|---|
| Position Locations Omitted | 0 |
|----------------------------|---|

Product Compliance

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

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Not Compliant |
| EU ELV Directive 2000/53/EC | Compliant with Exemptions |
| China RoHS 2 Directive MIIT Order No 32, 2016 | 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) SVHC > Threshold: Pb (13% in 4690971273) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| Halogen Content | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| Solder Process Capability | Wave 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 # 104192-6
25 SYSTEM 50 RCPT ASSY SRST

TE Part # CAT-F439-R2435127
FFC Receptacle Housing: 1.27mm

Also in the Series | AMPMODU System 50

Board-to-Board Headers & Receptacles(685)

PCB Headers & Receptacles(685)

Rectangular Power Connectors(47)

Wire-to-Board Headers & Receptacles (47)

Customers Also Bought

TE Part #1625854-2
0805 PROBE PAD

TE Part #796643-5
5POS 5.0MM CE VRT HDR,TRM BLK

TE Part #1-770872-1
02P MINI UMNL HDR ASSY AU LF

TE Part #2199119-4
M.2 0.5PITCH 3.2H KEY E 15U" AU

Documents

Product Drawings
25 SYSTEM 50 HDR SRRA SHRD
English



CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_104074-5_W.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_104074-5_W.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_104074-5_W.3d_stp.zip

English

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

Product Specifications

Application Specification

English