



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **152**

Centerline (Pitch): **.64 mm [ .025 in ]**

Features

Product Type Features

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

Configuration Features

|                              |          |
|------------------------------|----------|
| Number of Columns            | 76       |
| Number of Signal Positions   | 152      |
| Number of Power Positions    | 4        |
| Board-to-Board Configuration | Parallel |
| Stackable                    | Yes      |
| PCB Mount Orientation        | Vertical |
| Number of Positions          | 152      |

Electrical Characteristics

|                   |       |
|-------------------|-------|
| Operating Voltage | 4 VDC |
| Impedance         | 152 Ω |



|                                       |         |
|---------------------------------------|---------|
| Insulation Resistance                 | 2 MΩ    |
| Dielectric Withstanding Voltage (Max) | 500 VAC |

Signal Characteristics

|                        |         |
|------------------------|---------|
| Data Rate              | 10 Gb/s |
| Differential Signaling | Yes     |

Body Features

|                       |       |
|-----------------------|-------|
| Primary Product Color | Black |
|-----------------------|-------|

Contact Features

|   |                    |
|---|--------------------|
| PCB Contact Termination Area Plating Material Finish    | Matte              |
| PCB Contact Termination Area Plating Material Thickness | 3.81 μm[149.9 μin] |
| Contact Shape & Form                                    | Dual Beam          |
| Contact Layout  | Inline             |
|   | .035 in            |
| Contact Base Material                                   | Copper Alloy       |
| PCB Contact Termination Area Plating Material           | Tin                |
| Contact Mating Area Plating Material Finish             | Matte              |
| Contact Mating Area Plating Material                    | Gold (Au)          |
| Contact Type  | Pin                |
| Contact Current Rating (Max)                            | 11.5 A             |

Termination Features

|   |                 |
|---|-----------------|
| Rectangular Termination Post & Tail Width     | .54 mm[.021 in] |
| Rectangular Termination Post & Tail Thickness | .2 mm[.008 in]  |
| Termination Method to PCB                     | Surface Mount   |

Mechanical Attachment

|                          |                    |
|--------------------------|--------------------|
| Mating Retention         | Without            |
| Mating Alignment Type    | Polarized          |
| PCB Mount Retention Type | Locating Post      |
| PCB Mount Alignment Type | Positioning Bosses |
| PCB Mount Retention      | With               |
| PCB Mount Alignment      | With               |
| Connector Mounting Type  | Board Mount        |
| Mating Alignment         | With               |



Housing Features

|                       |                 |
|-----------------------|-----------------|
| Mating Entry Location | Top             |
| Housing Material      | Matte           |
| Centerline (Pitch)    | .64 mm[.025 in] |

Dimensions

|                  |                           |
|------------------|---------------------------|
| Stack Height     | 12.57 mm, 21.6 mm[.85 in] |
| Connector Width  | 5.28 mm[.208 in]          |
| Connector Height | 12.29 mm[.484 in]         |
| Connector Length | 63.45 mm[2.498 in]        |

Operation/Application

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

Industry Standards

|   |                        |
|---|------------------------|
| Compatible With Agency/Standards Products   | CSA, UL                |
| UL Rating                                   | Listed                 |
| Compatible With Approved Standards Products | CSA 1195944, UL E28476 |
| UL Flammability Rating                      | UL 94V-0               |

Packaging Features

|                    |           |
|--------------------|-----------|
| Packaging Quantity | 8         |
| Packaging Method   | Box, Tube |

Product Compliance

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

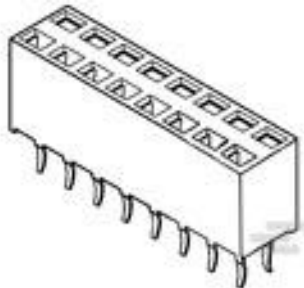
|   |  |
|---|--|
| EU RoHS Directive 2011/65/EU                  | Compliant  |
| EU ELV Directive 2000/53/EC                   | Compliant  |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold  |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JAN 2025 (247)<br>Candidate List Declared Against: JUNE 2023 (235)<br>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                     | 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>

Customers Also Bought



TE Part #1-215307-3  
2X13P HV100 REC CON. TE, 7.0MM



TE Part #1909763-1  
UMCC MICRO-COAX RECPT GEN 1  
HIGHER LEVEL



TE Part #2-1658527-0  
622-1230LF=FSKT IDC S 12 30AU

Documents

Product Drawings

MICT,495PLUG,152,ASSY,.025,REC

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_1-5767005-1\_A.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-5767005-1\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-5767005-1\_A.3d\_stp.zip

English

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

Datasheets & Catalog Pages

MICTOR Interconnection System

English

Fine Pitch Stacking Connectors - 0.635mm MICTOR Connectors

English



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Product Specifications

Application Specification

English