



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **114**

Number of Rows: **6**

Features

Product Type Features

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

Configuration Features

|                              |          |
|------------------------------|----------|
| Stackable                    | Yes      |
| PCB Mount Orientation        | Vertical |
| Number of Positions          | 114      |
| Number of Rows               | 6        |
| Board-to-Board Configuration | Parallel |

Electrical Characteristics

|                                       |         |
|---------------------------------------|---------|
| Dielectric Withstanding Voltage (Max) | 750 VAC |
| Operating Voltage                     | 250 VAC |

Body Features

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

Contact Features

|                  |                 |
|------------------|-----------------|
| Contact Layout   | Matrix          |
| Mating Tab Width | .43 mm[.017 in] |



|                                                |                     |
|------------------------------------------------|---------------------|
| Mating Tab Thickness                           | .46 mm[.018 in]     |
| Contact Shape & Form                           | Square              |
| Contact Mating Area Plating Material Finish    | Bright              |
| Contact Underplating Material                  | Nickel              |
| PCB Contact Termination Area Plating Material  | Tin-Lead            |
| Contact Base Material                          | Beryllium Copper    |
| Contact Mating Area Plating Material           | Gold                |
| Contact Mating Area Plating Material Thickness | .76 μm[29.9212 μin] |
| Contact Type                                   | Socket              |
| Contact Current Rating (Max)                   | 1.5 A               |

Termination Features

|                                             |                             |
|---------------------------------------------|-----------------------------|
| Termination Method to Printed Circuit Board | Surface Mount - Solder Ball |
|---------------------------------------------|-----------------------------|

Mechanical Attachment

|                          |                |
|--------------------------|----------------|
| PCB Mount Alignment Type | None           |
| PCB Mount Retention Type | Solder Ball    |
| Mating Alignment         | With           |
| Mating Alignment Type    | Polarizing Tab |
| PCB Mount Retention      | Without        |
| PCB Mount Alignment      | Without        |
| Connector Mounting Type  | Board Mount    |

Housing Features

|                       |                              |
|-----------------------|------------------------------|
| Mating Entry Location | Top                          |
| Centerline (Pitch)    | 1.27 mm[.05 in]              |
| Housing Material      | LCP (Liquid Crystal Polymer) |

Dimensions

|                             |                  |
|-----------------------------|------------------|
| Connector Height            | 11 mm[.432 in]   |
| Row-to-Row Spacing          | 1.27 mm[.05 in]  |
| Stack Height                | 15 mm[.591 in]   |
| PCB Thickness (Recommended) | 2.36 mm[.093 in] |

Usage Conditions

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

Operation/Application

|  |
|--|
|  |
|--|



|                          |                      |
|--------------------------|----------------------|
| Assembly Process Feature | Pick and Place Cover |
| Circuit Application      | Signal               |

Industry Standards

|                   |         |
|-------------------|---------|
| Industry Standard | VITA 61 |
|-------------------|---------|

Packaging Features

|                    |             |
|--------------------|-------------|
| Packaging Quantity | 230         |
| Packaging Type     | Tape & Reel |

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                                                                                                                                                                                                                                                                                                                                                                                                                       |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold                                                                                                                                                                                                                                                                                                                                                                                            |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2022 (224)<br>Candidate List Declared Against: JAN 2022 (223)<br>SVHC > Threshold:<br>Pb (36.09% in Component Part)<br><b>Article Safe Usage Statements:</b><br>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                     | 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>

Compatible Parts



TE Part # 2102060-3  
Mezalok, Pin, 114 p, 30 Au, TL

Also in the Series

AMP Mezalok



PCB Headers & Receptacles(27)

Documents

Product Drawings

Mezalok, Socket, 114 p, 15 mm, 30 Au, TL

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-2102061-5\_K.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-2102061-5\_K.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-2102061-5\_K.3d\_stp.zip

English

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

Datasheets & Catalog Pages

SOSA Aligned Interconnect Solutions

English

Mezalok Connector Brochure

English

Product Specifications

1-2102061-5

PCB Mount Receptacle, Vertical, Board-to-Board, 114 Position, 1.27 mm [.05 in]  
Centerline, Gold, Surface Mount - Solder Ball, Signal, AMP Mezalok



Product Specification

English