



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: **40**

Number of Rows: **1**

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                    | No       |
| PCB Mount Orientation        | Vertical |
| Number of Positions          | 40       |
| Number of Rows               | 1        |
| Board-to-Board Configuration | Parallel |

Body Features

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

Contact Features

|                                                         |                 |
|---------------------------------------------------------|-----------------|
| Contact Layout                                          | Inline          |
| Mating Square Post Dimension                            | .64 mm[.025 in] |
| PCB Contact Termination Area Plating Material Thickness | 2.5 µm          |
| Mating Pin Diameter                                     | .63 mm[.025 in] |



|                                                |                 |
|------------------------------------------------|-----------------|
| PCB Contact Termination Area Plating Material  | Tin             |
| Contact Base Material                          | Copper Tin      |
| Contact Mating Area Plating Material           | Gold            |
| Contact Mating Area Plating Material Thickness | .762 μm[30 μin] |
| Contact Type                                   | Socket          |
| Contact Current Rating (Max)                   | 3 A             |

Termination Features

|                                               |                |
|-----------------------------------------------|----------------|
| Rectangular Termination Post & Tail Thickness | .2 mm[.008 in] |
| Rectangular Termination Post & Tail Width     | .7 mm[.027 in] |
| Termination Method to Printed Circuit Board   | Surface Mount  |

Mechanical Attachment

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

Housing Features

|                       |                |
|-----------------------|----------------|
| Mating Entry Location | Bottom         |
| Centerline (Pitch)    | 2.54 mm[.1 in] |
| Housing Material      | PCT GF         |

Dimensions

|                             |                              |
|-----------------------------|------------------------------|
| Connector Height            | 7 mm[.276 in]                |
| Row-to-Row Spacing          | 2.54 mm[.1 in]               |
| Stack Height                | 9 mm[.354 in]                |
| PCB Thickness (Recommended) | 1.4 – 2.4 mm[.055 – .094 in] |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -65 – 125 °C[-85 – 257 °F] |
|-----------------------------|----------------------------|

Operation/Application

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

Industry Standards

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

Packaging Features

|                    |    |
|--------------------|----|
| Packaging Quantity | 20 |
|--------------------|----|



|                |           |
|----------------|-----------|
| Packaging Type | 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: JUNE 2022 (224)<br>Candidate List Declared Against: JUNE 2022 (224)<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>

Compatible Parts

TE Part # 1-103239-0  
10 MODII HDR SRST B/A .100CL

TE Part # 146281-8  
08 MODII HDR SRST B/A .100CL

Also in the Series | AMPMODU HV-100/HV-190



Documents

Product Drawings

10P HV100 REC. CON, SMD, GOLD,TUBE PACK

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_1-966657-0\_T.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-966657-0\_T.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-966657-0\_T.2d\_dxf.zip

English

3D PDF

3D

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

Datasheets & Catalog Pages

1773393\_ AMPMODU\_EUROPEAN\_STANDARD\_PRODUCTS

English