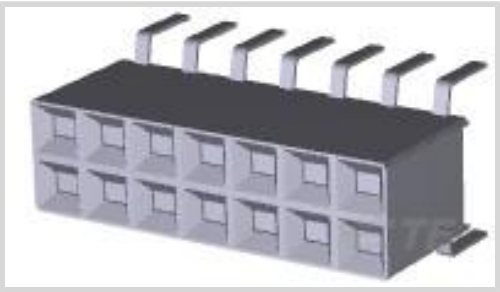




Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **14**

Number of Rows: **2**

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Applied Pressure                  | Standard              |
| 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          | 14       |
| Number of Rows               | 2        |
| Board-to-Board Configuration | Parallel |

Electrical Characteristics

|                                       |         |
|---------------------------------------|---------|
| Dielectric Withstanding Voltage (Max) | 750 VAC |
| Insulation Resistance                 | 5000 MΩ |
| Operating Voltage                     | 333 VAC |

Body Features

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



Contact Features

|                                                         |                 |
|---------------------------------------------------------|-----------------|
| Contact Mating Area Length                              | 2.54 mm[.1 in]  |
| Mating Square Post Dimension                            | .64 mm[.025 in] |
| PCB Contact Termination Area Plating Material Thickness | 3.81 – 7.62 µm  |
| Contact Shape & Form                                    | Short Point     |
| PCB Contact Termination Area Plating Material           | Tin-Lead        |
| Contact Base Material                                   | Phosphor Bronze |
| 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[.028 in]        |
| Termination Post & Tail Length                | 3.18 mm[.125 in]      |
| Termination Method to PCB                     | Through Hole - Solder |

Mechanical Attachment

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

Housing Features

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

Dimensions

|                             |                         |
|-----------------------------|-------------------------|
| Connector Height            | 6.2 mm[.245 in]         |
| Row-to-Row Spacing          | 2.54 mm[.1 in]          |
| Stack Height                | 2.29 mm[.09 in]         |
| PCB Thickness (Recommended) | 1.57 mm[.055 – .094 in] |

Usage Conditions

|                            |          |
|----------------------------|----------|
| Housing Temperature Rating | Standard |
|----------------------------|----------|



Operating Temperature Range

-65 – 125 °C[-85 – 257 °F]

Operation/Application

|                        |                |
|------------------------|----------------|
| Solder Process Feature | Board Standoff |
| Circuit Application    | Signal         |

Industry Standards

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

Packaging Features

|                    |           |
|--------------------|-----------|
| Packaging Quantity | 32        |
| Packaging Method   | Box, Tube |

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: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>SVHC > Threshold:<br>Pb (13% 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                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                                                                                                                                                                                                                                                                                                                |
| Solder Process Capability                     | Wave solder capable to 240°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>



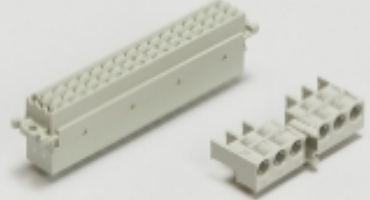
Compatible Parts



TE Part # 86286-1

KEYING PLUG

Also in the Series | AMPMODU IV/V



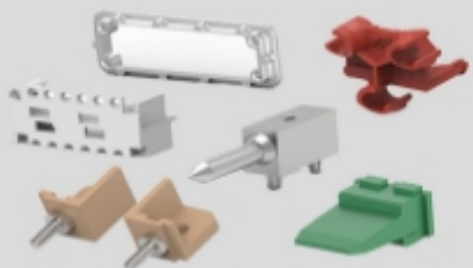
Backplane Connector Housings(1)



Connector Caps & Covers(15)



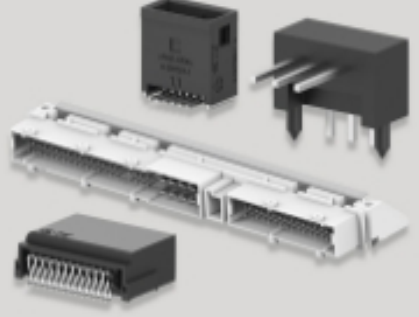
Connector Contacts(321)



Connector Hardware(13)



Insertion & Extraction Tools(4)



PCB Headers & Receptacles(931)



Rectangular Connector Housings(5)



Standard Rectangular Connectors(7)



Wire-to-Board Connector Assemblies & Housings(436)

Customers Also Bought





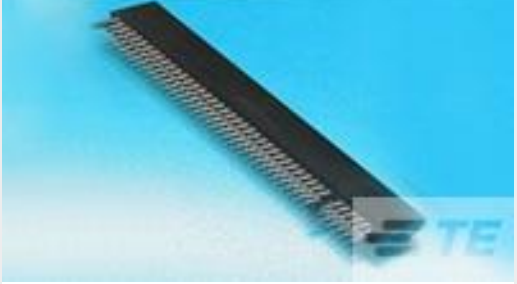
TE Part #5050871-5  
SOCKET,MIN-SPR SN-AU SER-5



TE Part #5745397-2  
HD-20 RCPT 25P RA 318 FFSCRLK



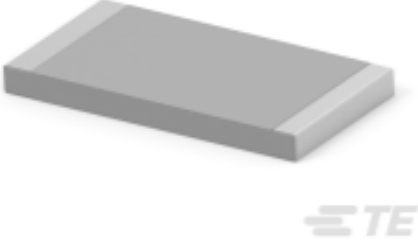
TE Part #170048-4  
110 FASTON,REC.,24-20 AWG,TPPB



TE Part #5530843-8  
CONN SEC II 36 POS 100C/L



TE Part #1676222-3  
RN 0805 1K13 0.1% 10PPM 5KRL



TE Part #2-2176331-7  
CRGP 2512 1K5 1%



TE Part #1625885-7  
1W SM M/OX 5% R33

Documents

Product Drawings

14 MODIV VRT DR OE 100/125

English

CAD Files

Customer View Model

ENG\_CVM\_534267-1\_AB.2d\_dxf.zip

English

3D PDF

English

Customer View Model

ENG\_CVM\_534267-1\_AB.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_534267-1\_AB.3d\_stp.zip

English

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

Datasheets & Catalog Pages

AMPMODU\_INTERCONNECTION\_SYSTEM\_SECTION5

English

Product Specifications

Application Specification

English