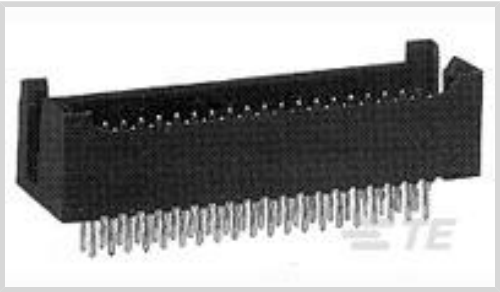




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type:

PCB Mount Header

PCB Mount Orientation:

Vertical

Connector System:

Board-to-Board

Number of Positions:

40

Number of Rows:

2

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| PCB Connector Assembly Type       | PCB Mount Header      |
| Connector System                  | Board-to-Board        |
| Header Type                       | Fully Shrouded        |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

|                              |          |
|------------------------------|----------|
| PCB Mount Orientation        | Vertical |
| Number of Positions          | 40       |
| Number of Rows               | 2        |
| Board-to-Board Configuration | Parallel |

Electrical Characteristics

|                        |         |
|------------------------|---------|
| Termination Resistance | 12 mΩ   |
| Operating Voltage      | 250 VAC |

Body Features

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

Contact Features

|                                                      |                 |
|------------------------------------------------------|-----------------|
| Mating Square Post Dimension                         | .64 mm[.025 in] |
|                                                      | 100 μin         |
| PCB Contact Termination Area Plating Material Finish | Bright          |



|                                                |                 |
|------------------------------------------------|-----------------|
| Contact Shape & Form                           | Square          |
| PCB Contact Termination Area Plating Material  | Tin-Lead        |
| Contact Base Material                          | Copper Alloy    |
| Contact Mating Area Plating Material           | Gold            |
| Contact Mating Area Plating Material Thickness | .381 μm[15 μin] |
| Contact Type                                   | Pin             |
| Contact Current Rating (Max)                   | 3 A             |

Termination Features

|                                             |                       |
|---------------------------------------------|-----------------------|
| Square Termination Post & Tail Dimension    | .64 mm[.025 in]       |
| Termination Post & Tail Length              | 4.57 mm[.18 in]       |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

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

Housing Features

|                    |                |
|--------------------|----------------|
| Centerline (Pitch) | 2.54 mm[.1 in] |
| Housing Material   | Thermoplastic  |

Dimensions

|                             |                  |
|-----------------------------|------------------|
| Connector Height            | 13.97 mm[.55 in] |
| Row-to-Row Spacing          | 2.54 mm[.1 in]   |
| Stack Height                | 11.43 mm[.45 in] |
| PCB Thickness (Recommended) | 1.4 mm[.055 in]  |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -65 – 105 °C[-85 – 221 °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   | 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: JAN 2024 (240)<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                               | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.                                                                                                                                                                                                                                                                                                                                                                       |
| 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 # 532955-7  
40 MODII 2PC CE RCPT ASSY

TE Part # 1-534975-0  
40 MODII 2PC DR CE RECPT ASSY

Also in the Series | AMPMODU Headers

Connector Caps & Covers(1)

Connector Contacts(64)

Connector Hardware(2)

PCB Headers & Receptacles(3490)

Wire-to-Board Connector Assemblies & Housings(5)

Customers Also Bought

TE Part #DT04-2P  
REC, 2P, GRY, N

TE Part #DT06-2S  
PLG, 2P, GRY, N

TE Part #W2S  
Wedgelocks: DEUTSCH DT

TE Part #0460-202-16141  
DEUTSCH Solid Contacts

TE Part #282104-1  
AMP SUPERSEAL 1.5MM,  
CONNECTOR HOUSING

TE Part #281934-2  
SINGLE WIRE SEAL

TE Part #114017-ZZ  
SEALING PLUG, SIZE 12/16, WHT



Documents

Product Drawings

40 MODII 2PC HDR DR SHRD .100

English

CAD Files

Customer View Model

ENG\_CVM\_1-102567-2\_N3.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_1-102567-2\_N3.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_1-102567-2\_N3.2d\_dxf.zip

English

3D PDF

3D

3D PDF

English

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