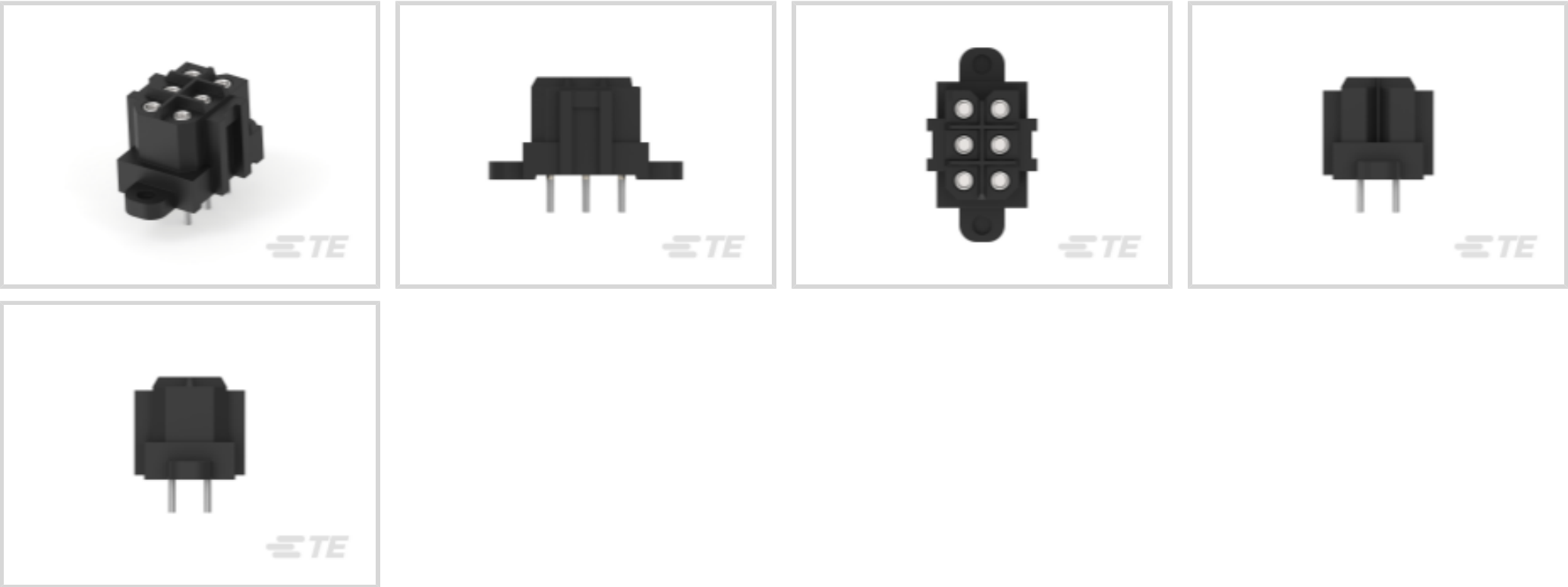




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

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

Number of Positions: **6**

Number of Rows: **3**

Centerline (Pitch): **5 mm [.197 in]**

Features

Product Type Features

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

Configuration Features

|                                  |              |
|----------------------------------|--------------|
| Number of Columns                | 2            |
| Number of Loaded Positions       | 6            |
| Connector Contact Load Condition | Fully Loaded |
| Number of Positions              | 6            |
| Number of Rows                   | 3            |
| PCB Mount Orientation            | Vertical     |

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 600 VAC |
|-------------------|---------|

Body Features



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

Contact Features

|                                                         |                  |
|---------------------------------------------------------|------------------|
| PCB Contact Termination Area Plating Material Thickness | 3.81 µm[150 µin] |
| Contact Layout                                          | Matrix           |
| Mating Pin Diameter                                     | 1.75 mm[.069 in] |
| Contact Underplating Material Thickness                 | 1.27 µm[50 µin]  |
| Contact Mating Area Plating Material Thickness          | 3.81 µm[150 µin] |
| PCB Contact Termination Area Plating Material Finish    | Matte            |
| Contact Mating Area Plating Material Finish             | Matte            |
| Contact Underplating Material                           | Nickel           |
| PCB Contact Termination Area Plating Material           | Tin              |
| Contact Mating Area Plating Material                    | Tin              |
| Contact Type                                            | Socket           |
| Contact Current Rating (Max)                            | 7.5 A            |

Termination Features

|                                  |                       |
|----------------------------------|-----------------------|
| Termination Post & Tail Diameter | .99 mm[.039 in]       |
| Termination Method to PCB        | Through Hole - Solder |

Mechanical Attachment

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

Housing Features

|                    |               |
|--------------------|---------------|
| Housing Material   | PA 66         |
| Centerline (Pitch) | 5 mm[.197 in] |

Dimensions

|                  |                   |
|------------------|-------------------|
| Connector Length | 17.65 mm[.695 in] |
| Connector Height | 14.35 mm[.565 in] |
| Connector Width  | 12.7 mm[.5 in]    |



|                    |               |
|--------------------|---------------|
| Row-to-Row Spacing | 5 mm[.197 in] |
|--------------------|---------------|

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 130 °C[-67 – 266 °F] |
|-----------------------------|----------------------------|

Operation/Application

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Industry Standards

|                                           |              |
|-------------------------------------------|--------------|
| Compatible With Agency/Standards Products | CSA, UL, VDE |
| UL Flammability Rating                    | UL 94V-0     |

Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 98  |
| Packaging Method   | Box |

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 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                  |
| Solder Process Capability                     | Wave solder capable to 265°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 # 207153-1  
6 POS SQ GRID METRIMATE-RCPT

Also in the Series | AMP Metrimate

Connector Caps & Covers(4)

Connector Hardware(4)

Insertion & Extraction Tools(1)

PCB Headers & Receptacles(80)

Rectangular Connector Housings(34)

Rectangular Contact Inserts(4)

Standard Rectangular Connectors(2)

Customers Also Bought

TE Part #5499206-8  
A/L UNIV HDR 34P VERT LG LAT

TE Part #1-2199298-9  
28P,DIP SKT,300 CL,LDR,PB FREE

TE Part #5205868-1  
15 RCPT RA/MS STD

TE Part #207528-7  
SKT HDR ASSY,12 POSN,METRIMATE



TE Part #1586038-6  
6P VRT HDR VAL-U-LOK V0

TE Part #5535080-5  
ASSY,RECEPTACLE,EUROCARD,TYPE

TE Part #1-1586038-0  
10P VRT HDR VAL-U-LOK V0

TE Part #5-1393030-6  
SSRA-240D2 = SIP MODULE,2A,240V AC

TE Part #5745085-2  
HD-20 RCPT 25P RA 478

Documents

Product Drawings

SKT HDR ASSY,6 POSN,METRIMATE

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_207524-7\_AB.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_207524-7\_AB.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_207524-7\_AB.3d\_stp.zip

English

3D PDF

English

Customer View Model

ENG\_CVM\_207524-7\_P.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_207524-7\_P.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_207524-7\_P.3d\_stp.zip

English



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

**Datasheets & Catalog Pages**  
**METRIMATE\_PIN\_SOCKET\_CATALOG**  
English

**Product Specifications**  
**Product Specification**  
English

**Agency Approvals**  
**CSA Certificate**  
English