# 207158-7 ✔ ACTIVE

METRIMATE

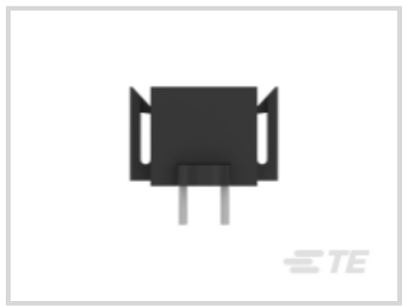
TE Internal #: 207158-7

PCB Mount Header, Vertical, Wire-to-Board, 6 Position, 5 mm [.197 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, Power & Signal, Black

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles




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

Number of Positions: **6**

Number of Rows: **3**

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

PCB Mount Orientation: **Vertical**

## Features

### Product Type Features

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

### 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 | Pin |
| Contact Current Rating (Max) | 7.5 A |

## Termination Features

| | |
|---|---|
| Round Termination Post & Tail Diameter | .99 mm[.039 in] |
| Termination Method to Printed Circuit Board | 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 | 11.79 mm[.464 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

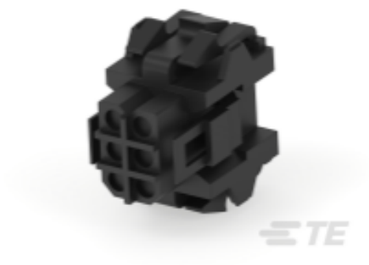
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| 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: JAN 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<br>Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Not reviewed for solder process capability |

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 # 207152-1
6 POS SQ GRID METRIMATE-PLUG

## Customers Also Bought



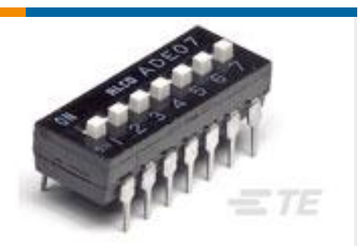
TE Part # 1-1418362-3
62 POS MIXED HEADER CODA




TE Part # 1622820-2
3520 100R 5%



TE Part # 5555980-1
MJ,R/A,4P/4C,TRAY PACK




TE Part # 1825057-4
ADE0504=DIP SWITCH,EXT,THRU/HL



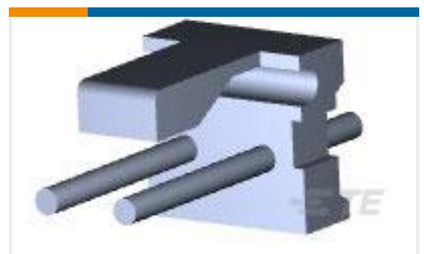
TE Part # 5555163-1
MJ,LPF,R/A,6P/6C,PNL STOPS,BU



TE Part # 4-644759-0
10P MTA156 HDR ASSY STR LF



TE Part # 1982295-2
ELCON MINI 2P RA HEADER,W/O CODING



TE Part # 640388-2
02P MTA156 HDR ASSY RN STR F/L



TE Part # 207524-7
SKT HDR ASSY,6 POSN,METRIMATE



TE Part # 5555164-1
MJ,LPF,R/A,8P,TRAY

## Documents

### Product Drawings

METRIMATE PIN HEADER ASSY,6P

English

### CAD Files

3D PDF

English

### Customer View Model

ENG_CVM_207158-7_U.2d_dxf.zip

English

### Customer View Model

ENG_CVM_207158-7_U.3d_igs.zip

English

### Customer View Model

ENG_CVM_207158-7_U.3d_stp.zip

English

3D PDF

3D

### Customer View Model

ENG_CVM_CVM_207158-7_Y.2d_dxf.zip

English

### Customer View Model

ENG_CVM_CVM_207158-7_Y.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_207158-7_Y.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditionsof use.

## Datasheets & Catalog Pages

METRIMATE_PIN_SOCKET_CATALOG

English

## Product Specifications

### Product Specification

English

## Agency Approvals

### CSA Certificate

English