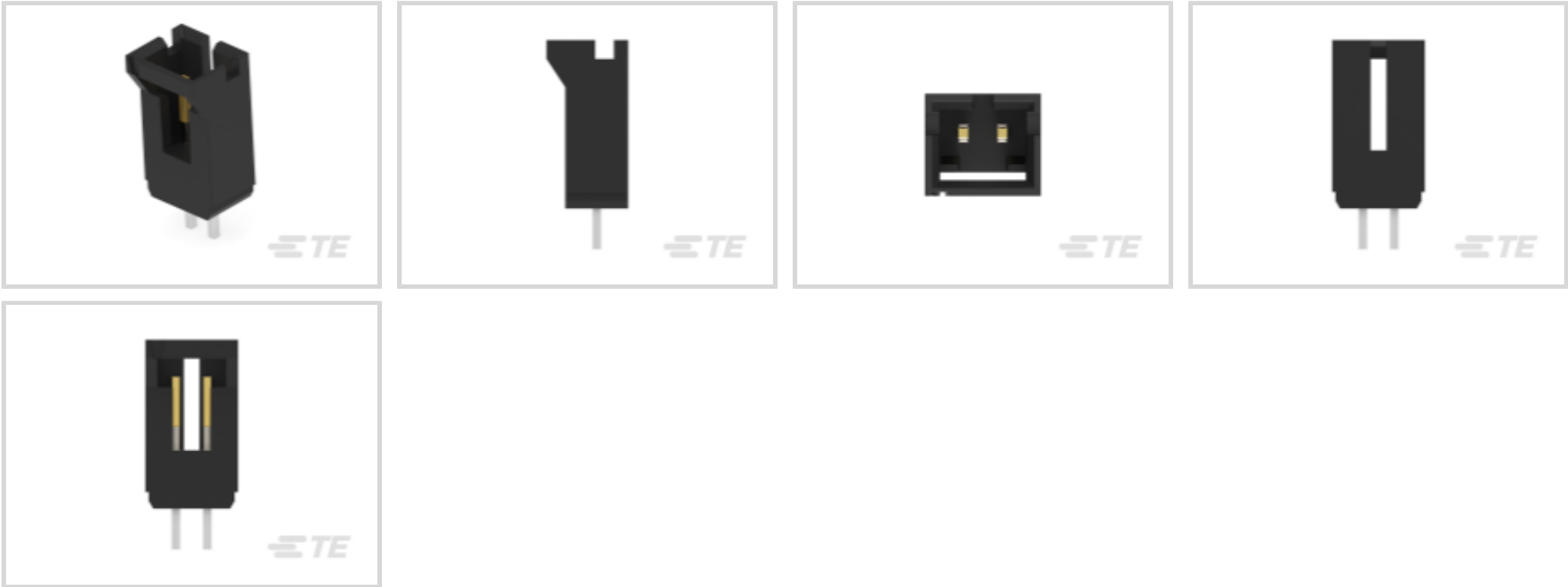




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **2**

Number of Rows: **1**

Features

Product Type Features

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

Configuration Features

|                       |          |
|-----------------------|----------|
| PCB Mount Orientation | Vertical |
| Number of Positions   | 2        |
| Number of Rows        | 1        |

Electrical Characteristics

|                                       |         |
|---------------------------------------|---------|
| Termination Resistance                | 15 mΩ   |
| Insulation Resistance                 | 5000 MΩ |
| Dielectric Withstanding Voltage (Max) | 600 V   |



Body Features

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

Contact Features

|                                                         |                               |
|---------------------------------------------------------|-------------------------------|
| PCB Contact Termination Area Plating Material Finish    | Matte                         |
| Contact Mating Area Plating Material Thickness          | .381 μm[15 μin]               |
| Mating Square Post Dimension                            | .64 mm[.025 in]               |
| PCB Contact Termination Area Plating Material Thickness | 2.54 – 5.08 μm[100 – 200 μin] |
| Contact Shape & Form                                    | Square                        |
| Contact Mating Area Length                              | 5.84 mm[.23 in]               |
| Contact Base Material                                   | Brass                         |
| PCB Contact Termination Area Plating Material           | Tin                           |
| Contact Mating Area Plating Material                    | Gold (Au)                     |
| Contact Type                                            | Pin                           |
| Contact Current Rating (Max)                            | 3 A                           |

Termination Features

|                                          |                       |
|------------------------------------------|-----------------------|
| Termination Post & Tail Length           | 3.3 mm[.13 in]        |
| Square Termination Post & Tail Dimension | .64 mm[.025 in]       |
| Termination Method to PCB                | Through Hole - Solder |

Mechanical Attachment

|                         |                       |
|-------------------------|-----------------------|
| Panel Mount Feature     | Without               |
| Mating Retention Type   | Polarized Lock        |
| Mating Retention        | With                  |
| Mating Alignment Type   | Latched, Polarization |
| PCB Mount Retention     | Without               |
| PCB Mount Alignment     | Without               |
| Connector Mounting Type | Board Mount           |
| Mating Alignment        | With                  |

Housing Features

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

Dimensions

|                             |                  |
|-----------------------------|------------------|
| PCB Thickness (Recommended) | 1.57 mm[.062 in] |
|-----------------------------|------------------|



|                  |                   |
|------------------|-------------------|
| Connector Height | 13.59 mm[.535 in] |
|------------------|-------------------|

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Housing Temperature Rating  | High                       |
| Operating Temperature (Max) | 105 °C[221 °F]             |
| Operating Temperature Range | -65 – 105 °C[-85 – 221 °F] |

Operation/Application

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

Industry Standards

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

Packaging Features

|                    |           |
|--------------------|-----------|
| Packaging Quantity | 71        |
| Packaging Method   | 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: JAN 2025 (247)<br>Candidate List Declared Against: JAN 2025 (247)<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 # 5-103957-1  
10X2 MTE RCPT SR LATCH .100CL

TE Part # 5-103969-1  
10X2 MTE RCPT SR RIBBED .100CL

TE Part # 103648-1  
02 MTE RCPT HSG SR RIB .100CL

TE Part # 5-103960-1  
10X2 MTE RCPT SR LATCH .100CL

TE Part # 5-103972-1  
10X2 MTE RCPT SR RIBBED .100CL

Also in the Series | AMPMODU MTE

Board-to-Board Headers & Receptacles(24)

Connector Caps & Covers(18)

Connector Contacts(27)

Connector Hardware(1)

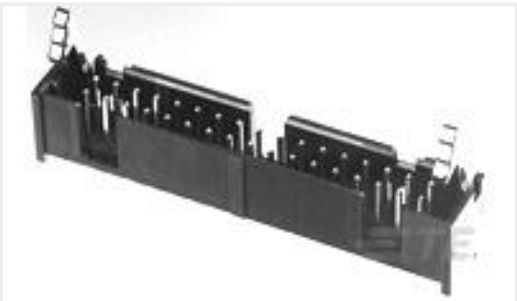
Insertion & Extraction Tools(1)

PCB Headers & Receptacles(444)

Wire-to-Board Connector Assemblies & Housings(298)

Wire-to-Board Headers & Receptacles (420)

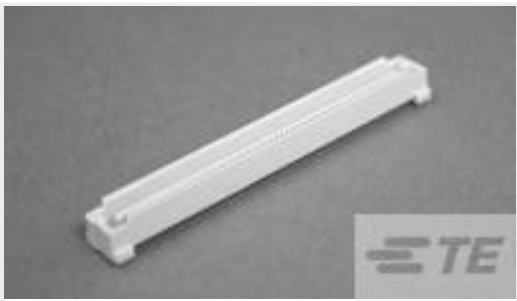
Customers Also Bought



TE Part #104128-3  
016 LOPRO HDR SP 30DP LATCH



TE Part #3-644457-5  
05P MTA100 HDR ASSY R/A NARROW



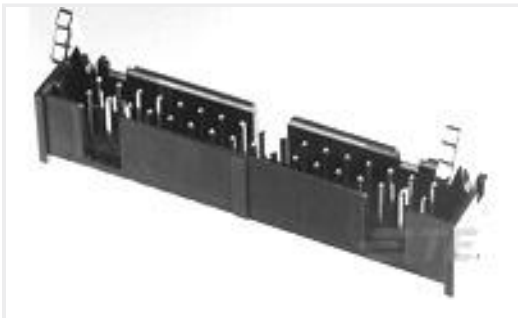
TE Part #5-5177986-3  
0.8FH,P05H.5,080,30/Sn,TR,SC



TE Part #5745968-8  
HD-20 25 PLUG SP/FMS INSRT



TE Part #CONMMCX001-SMD  
MMCX Jack 50 Ohm PCB Surface Mount



TE Part #3-1761608-5  
IDC LOW PRO HDR 50P VERT SHT L



TE Part #1-1879213-5  
CPF 0402 36R5 0.1% 25PPM 1K RL



TE Part #5-6609940-8  
PM0SXSSX0=C3372



TE Part #861647-6  
RECP T FLANGED H.V. 7 CONTACTS



TE Part #3-2176216-9  
CPF A 0603 5K6 0.1% 25PPM 1K RL

Documents

Product Drawings

02 MTE HDR SRST LATCH .100CL

English

02 MTE HDR SRST LATCH .100CL

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_5-104363-1\_W.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_5-104363-1\_W.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_5-104363-1\_W.3d\_stp.zip

English

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



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Datasheets & Catalog Pages

[AMP MODU MTE Section of Catalog 1307819](#)

English

[AMPMODU\\_INTERCONNECTION\\_SYSTEM\\_SECTION5\\_CONT](#)

English

[AMPMODU MTE INTERCONNECT SYSTEM](#)

English

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Product Specifications

[Application Specification](#)

English