



Connectors > PCB Connectors > PCB Headers & Receptacles



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

Number of Positions: **6**

Number of Rows: **1**

Centerline (Pitch): **2.54 mm [.1 in]**

PCB Mount Orientation: **Right Angle**

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 Positions   | 6           |
| Number of Rows        | 1           |
| PCB Mount Orientation | Right Angle |

Electrical Characteristics

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

Body Features

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

Contact Features

|                              |                 |
|------------------------------|-----------------|
| Contact Mating Area Length   | 5.84 mm[.23 in] |
| Mating Square Post Dimension | .64 mm[.025 in] |



|                                                         |                            |
|---------------------------------------------------------|----------------------------|
| PCB Contact Termination Area Plating Material Thickness | 2.54 $\mu$ m[100 $\mu$ in] |
| Contact Mating Area Plating Material Thickness          | .381 $\mu$ m[15 $\mu$ in]  |
| PCB Contact Termination Area Plating Material Finish    | Matte                      |
| Contact Shape & Form                                    | Square                     |
| PCB Contact Termination Area Plating Material           | Tin-Lead                   |
| Contact Base Material                                   | Brass                      |
| Contact Mating Area Plating Material                    | Gold                       |
| Contact Type                                            | Pin                        |
| Contact Current Rating (Max)                            | 3 A                        |

Termination Features

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

Mechanical Attachment

|                          |                       |
|--------------------------|-----------------------|
| Mating Alignment Type    | Latched, Polarization |
| Mating Retention         | With                  |
| PCB Mount Retention Type | Hold-Down             |
| Mating Retention Type    | Hold-Down             |
| Connector Mounting Type  | Board Mount           |
| Mating Alignment         | With                  |
| PCB Mount Alignment      | Without               |
| PCB Mount Retention      | With                  |

Housing Features

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

Dimensions

|                             |                  |
|-----------------------------|------------------|
| Connector Length            | 17.78 mm[.7 in]  |
| Connector Height            | 6.99 mm[.275 in] |
| PCB Thickness (Recommended) | 1.57 mm[.062 in] |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| 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 | 30        |
| 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                               | 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 # 487526-5  
006 HOUSING FFC RCPT 100CL SR



TE Part # 103960-5  
4X6 MTE RCPT SR LATCH .100CL



TE Part # 103957-5  
4X6 MTE RCPT SR LATCH .100CL



TE Part # 103969-5  
4X6 MTE RCPT SR RIBBED .100CL

Also in the Series | AMPMODU MTE



Connector Caps & Covers(40)



Connector Contacts(32)



Connector Hardware(1)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(763)



Standard Rectangular Connectors(2)



Wire-to-Board Connector Assemblies & Housings(585)

Customers Also Bought



TE Part #211398-2  
CPC RECPT. SIZE 13-7



TE Part #GA10K3MCD1  
MCD PROBE, 10K OHMS,



TE Part #5061850001  
TMS-SCE-1/2-2.0-9



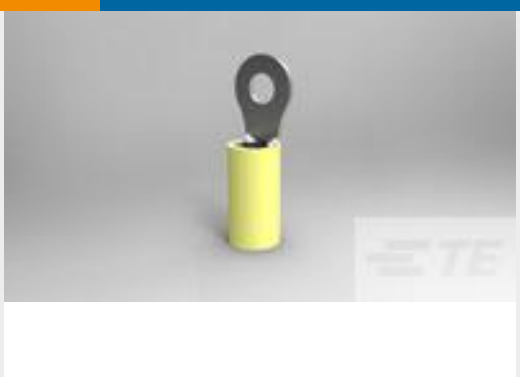
TE Part #4-794679-0  
10P MICRO MNL ASSY,R/A,THRU,LF



TE Part #6504744001  
DR-25-TW-3/32-0-SP



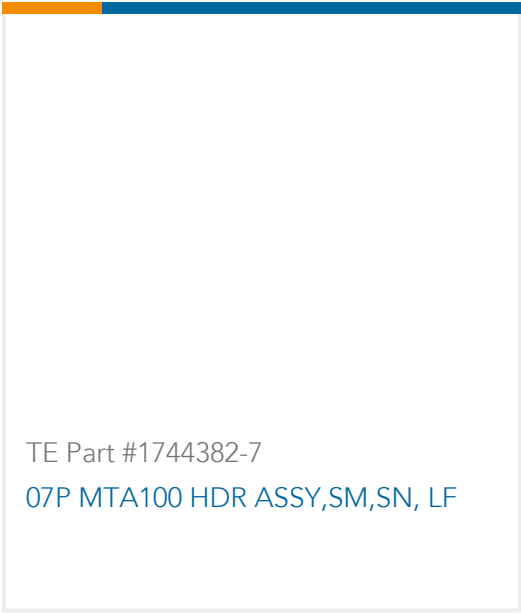
TE Part #5536507-1  
2MM FB,ASY,24,SIG,REC,SL,2.73



TE Part #35108  
TERMINAL,PIDG R 12-10 8



TE Part #1744382-5  
05P MTA100 HDR ASSY,SM,SN, LF



Documents

Product Drawings

06 MTE HDR SRRA LATCH W/HLDWN

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_103673-5\_AH.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_103673-5\_AH.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_103673-5\_AH.3d\_stp.zip

English

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

Datasheets & Catalog Pages

AMPMODU MTE INTERCONNECT SYSTEM

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English