

5-104505-5 ✓ ACTIVE

AMPMODU | AMPMODU MTE

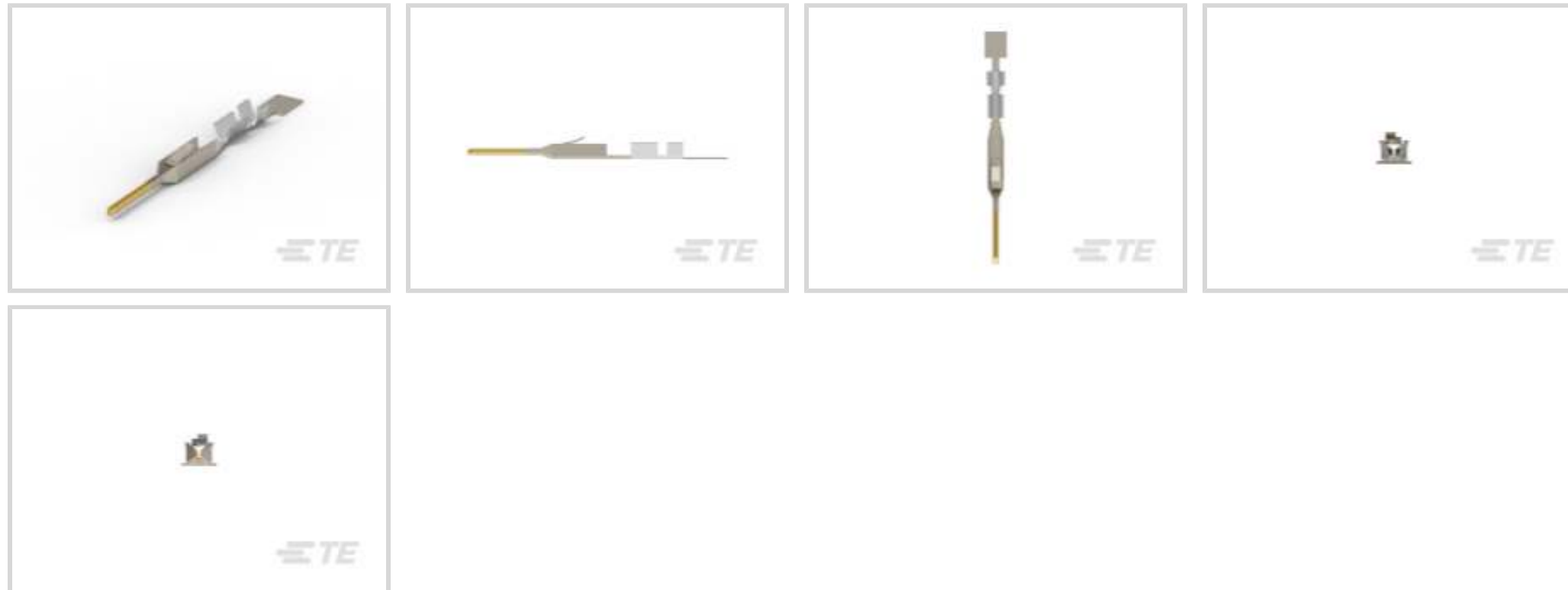
TE Internal #: 5-104505-5

Connector Contact, Pin, Wire-to-Board, 26 – 22 AWG Wire Size,  
254 – 642 CMA Wire Size, .12 – .4 mm<sup>2</sup> Wire Size, Gold, Loose  
Piece, AMPMODU MTE

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Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Contacts



Contact Type: **Pin**

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

Wire Size: **.12 – .4 mm<sup>2</sup>**

## Features

### Product Type Features

|                                   |               |
|-----------------------------------|---------------|
| Applied Pressure                  | Standard      |
| Connector System                  | Wire-to-Board |
| Connector & Contact Terminates To | Wire & Cable  |

### Electrical Characteristics

|                                       |         |
|---------------------------------------|---------|
| Termination Resistance                | 12 mΩ   |
| Insulation Resistance                 | 5000 MΩ |
| Dielectric Withstanding Voltage (Max) | 750 V   |
| Operating Voltage                     | 300 VAC |

### Contact Features

|   |                              |
|---|------------------------------|
| Mating Square Post Dimension                          | .64 mm[.025 in]              |
| Wire Contact Termination Area Plating Thickness       | 1.27 – 2.54 μm[50 – 100 μin] |
| Wire Contact Termination Area Plating Material Finish | Matte                        |
| Wire Contact Termination Area Plating Material        | Tin                          |
|   | 15 μin                       |
| Contact Underplating Material                         | Nickel                       |



|                                      |                 |
|--------------------------------------|-----------------|
| Contact Base Material                | Phosphor Bronze |
| Contact Type                         | Pin             |
| Contact Mating Area Plating Material | Gold            |
| Contact Current Rating (Max)         | 3 A             |

### Termination Features

|                                    |       |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|

### Mechanical Attachment

|                         |      |
|-------------------------|------|
| Wire Insulation Support | With |
|-------------------------|------|

### Dimensions

|                                      |                                |
|--------------------------------------|--------------------------------|
| Compatible Insulation Diameter Range | .91 – 1.37 mm [.035 – .054 in] |
| Wire Size                            | .12 – .4 mm <sup>2</sup>       |

### Usage Conditions

|                             |                             |
|-----------------------------|-----------------------------|
| Operating Temperature Range | -65 – 105 °C [-85 – 221 °F] |
|-----------------------------|-----------------------------|

### Operation/Application

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

### Industry Standards

|                    |                       |
|--------------------|-----------------------|
| Approved Standards | CSA LR7189, UL E28476 |
|--------------------|-----------------------|

### Packaging Features

|                    |             |
|--------------------|-------------|
| Packaging Quantity | 500         |
| Packaging Method   | Loose Piece |

### 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 2023 (235)<br>Candidate List Declared Against: JAN 2023 (233)<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

Not applicable for solder process capability

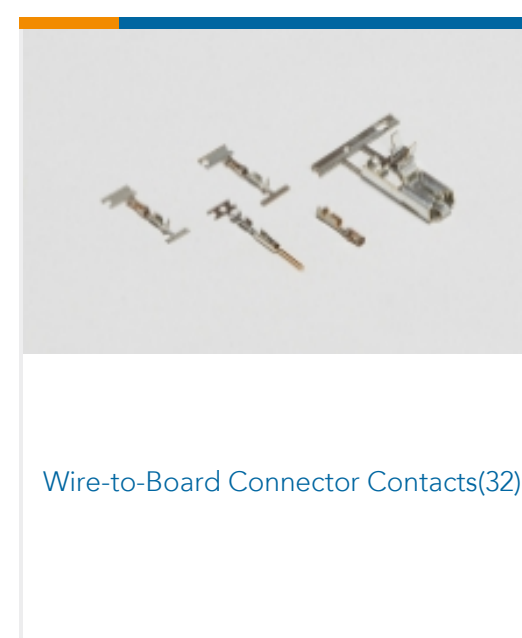
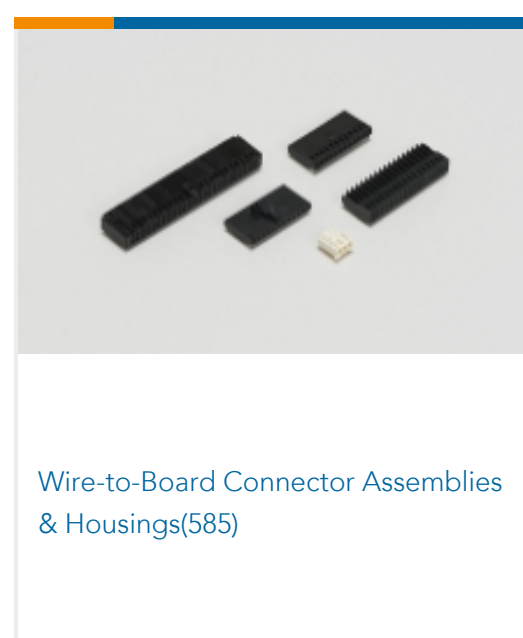
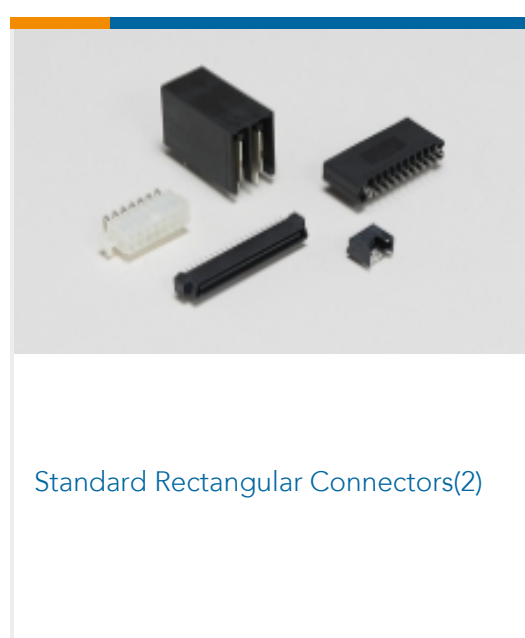
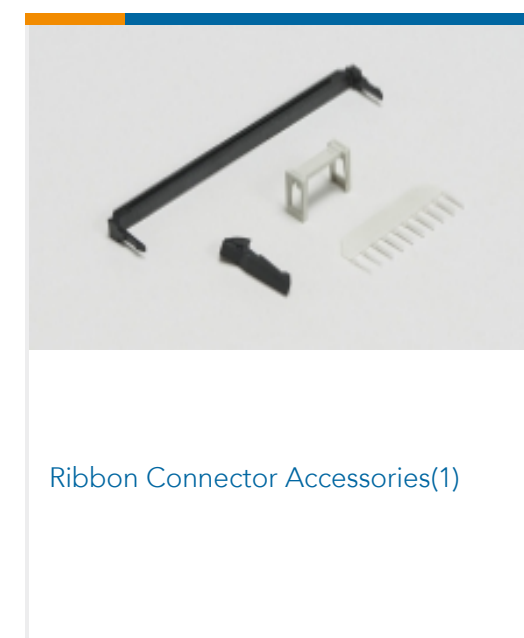
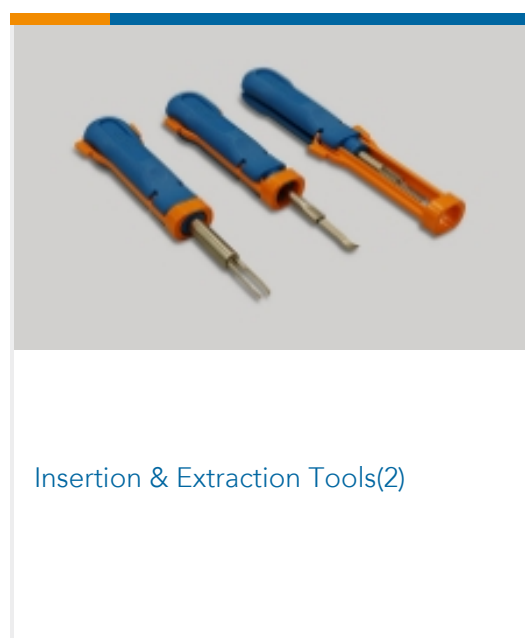
Product Compliance Disclaimer

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



### Also in the Series | AMPMODU MTE



### Customers Also Bought



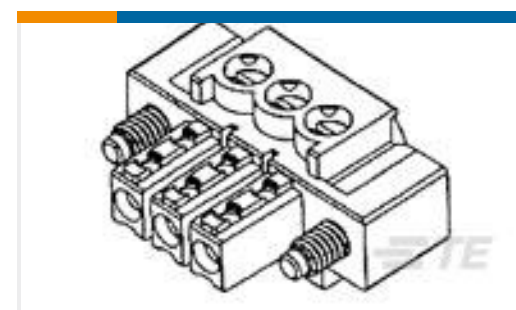
TE Part #103653-4  
05 MTE SHRD PIN HSG SR LATCH



TE Part #103653-1  
02 MTE SHRD PIN HSG SR LATCH



TE Part #104257-2  
03 MTE RCPT HSG SR LATCH .100



TE Part #284511-3  
3 POS TERMI-BLOK PLUG C. VITI



TE Part #103669-2  
03 MTE HDR SRST LATCH W/HLDWN



TE Part #8-2176304-1  
RP 1E 0.1W 68R1 0.1% 25PPM 5K RL



TE Part #5-103948-2  
5X3 MTE SHRD PIN SR LATCH .100

## Documents

### Product Drawings

#### MTE PIN LP

English

### CAD Files

#### Customer View Model

[ENG\\_CVM\\_CVM\\_5-104505-5\\_V.2d\\_dxf.zip](#)

English

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_5-104505-5\\_V.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_5-104505-5\\_V.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

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

English

[AMPMODU MTE INTERCONNECT SYSTEM](#)

English

### Product Specifications

[Application Specification](#)

English



**Product Environmental Compliance**

**TE Material Declaration**

English