



# HEADERS & RECEPTACLES



## TE CONNECTIVITY (TE) 10 MTE HDR SRST LATCH.100CL [AMPMODU](#) | [AMPMODU MTE](#)

103735-9  
TE Internal Number: 103735-9

Not EU RoHS or ELV Compliant  
[Find Compliant Alternatives](#)

Centerline **2.54 mm [ .1 in ]**

Number of Positions **10**

PCB Mounting Orientation **Vertical**

PCB Mounting Style **Through Hole**

Number of Rows **1**

✓ Active

↓ **PRODUCT DRAWING**  
English

↓ **3D PDF**

### Product Drawings

[HDR ASSY, VERT, SINGLE ROW 2.54\[.100\] C, 0.64\[.025\] SQ POST, WITH PLZN & LATCHING, AMPMODU MTE](#)

PDF  
English

### CAD Files

[Customer View Model](#)

2D\_DXF.ZIP  
English

[3D PDF](#)

PDF  
3D

[Customer View Model](#)

3D\_IGS.ZIP  
English

[Customer View Model](#)

3D\_STP.ZIP  
English

### Catalog Pages/Data Sheets

[AMPMODU\\_MTE\\_INTERCONNECT\\_SYSTEM\\_QRG\\_4-1773458-0](#)

PDF  
English

### Product Specifications

Product Specification

[Connector, AMPMODU, MTE](#)

PDF  
English

Application Specification

[AMPMODU MTE Interconnection System](#)

PDF  
English

Qualification Test Report

[QUALIFICATION TEST REPORT, CONNECTOR, AMPMODU, MTE](#)

PDF  
English

[QUALIFICATION TEST REPORT, CONNECTOR, AMPMODU, MTE](#)

PDF  
Japanese

[QUALIFICATION TEST REPORT, CONNECTOR, AMPMODU, MTE](#)

TIF  
English

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## Product Environmental Compliance

TE Material Declaration

[MD\\_103735-9\\_06232014615\\_dmtec](#)  
PDF  
English

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## Instruction Sheets

Instruction Sheet (U.S.)

[AMPMODU MTE CONNECTORS](#)  
PDF  
English

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Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

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### Product Type Features

|                          |                              |
|--------------------------|------------------------------|
| PCB Mounting Orientation | <b>Vertical</b>              |
| Product Type             | <b>Connector</b>             |
| Row-to-Row Spacing       | <b>2.54 mm [ .1 in ]</b>     |
| Connector Type           | <b>Header</b>                |
| Strain Relief            | <b>Without</b>               |
| Connector Style          | <b>Plug</b>                  |
| PCB Orientation Feature  | <b>No</b>                    |
| Applies To               | <b>Printed Circuit Board</b> |

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### Configuration Features

|                             |                |
|-----------------------------|----------------|
| Number of Positions         | <b>10</b>      |
| Number of Rows              | <b>1</b>       |
| Backwall/Post Interruptions | <b>Without</b> |

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### Electrical Characteristics

|                                 |                                  |
|---------------------------------|----------------------------------|
| Dielectric Withstanding Voltage | <b>600 V</b>                     |
| Termination Resistance          | <b>15 M<math>\Omega</math></b>   |
| Insulation Resistance           | <b>5000 M<math>\Omega</math></b> |

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### Body Features

|             |                 |
|-------------|-----------------|
| Header Type | <b>Shrouded</b> |
|-------------|-----------------|

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### Contact Features

|   |  |
|---|--|
| Contact Mating Area Plating Material              | <b>Gold</b>  |
| Contact Mating Area Plating Thickness ( $\mu$ in) | <b>30</b>  |
| Contact Type                                      | <b>Pin</b>   |
| Solder Tail Contact Plating Material              | <b>Tin-Lead</b>  |
| Contact Termination Area Plating Thickness        | <b>2.54 <math>\mu</math>m [ 100 <math>\mu</math>in ]</b> |
| Tail Plating Thickness                            | <b>2.54 <math>\mu</math>m [ 100 <math>\mu</math>in ]</b> |
| Contact Current Rating (A)                        | <b>3</b>   |
| Contact Shape                                     | <b>Square</b>  |

|                       |  |   |
|-----------------------|--|---|
|                       | Contact Shape                                    | <b>Single</b>                                     |
|                       | Tail Plating Material                            | <b>Tin-Lead</b>                                   |
|                       | Contact Termination Area Plating Material        | <b>Tin-Lead</b>                                   |
|                       | Contact Termination Area Plating Material Finish | <b>Matte</b>                                      |
|                       | Contact Base Material                            | <b>Brass</b>                                      |
| Termination Features  | Termination Method to Wire/Cable                 | <b>Crimp, Insulation Displacement Crimp (IDC)</b> |
| Mechanical Attachment | PCB Mounting Style                               | <b>Through Hole</b>                               |
|                       | PCB Mount Alignment                              | <b>Without</b>                                    |
|                       | Mating Retention                                 | <b>With</b>                                       |
|                       | PCB Mount Retention                              | <b>Without</b>                                    |
|                       | Contact Retention                                | <b>With</b>                                       |
|                       | Mating Alignment Type                            | <b>Latched</b>                                    |
|                       | Contact Retention Type                           | <b>Locking Lance</b>                              |
|                       | Mating Alignment                                 | <b>With</b>                                       |
|                       | Mating Retention Type                            | <b>Polarized Lock</b>                             |
| Housing Features      | Centerline                                       | <b>2.54 mm [ .1 in ]</b>                          |
|                       | Housing Color                                    | <b>Black</b>                                      |
|                       | Housing Material                                 | <b>Thermoplastic</b>                              |
| Dimensions            | Tail Length                                      | <b>3.3 mm [ .13 in ]</b>                          |
|                       | Mating Post Length                               | <b>5.84 mm [ .23 in ]</b>                         |
|                       | Length   | <b>27.94 mm [ 1.1 in ]</b>                        |
|                       | Height   | <b>13.59 mm [ .535 in ]</b>                       |
| Usage Conditions      | Operating Temperature Range (°C)                 | <b>-65 – 105</b>                                  |
| Operation/Application | For Use With                                     | <b>Receptacle Housing Assembly</b>                |
|                       | Pick and Place Cover                             | <b>Without</b>                                    |
| Industry Standards    | UL Flammability Rating                           | <b>UL 94V-0</b>                                   |
|                       | Approved Standards                               | <b>CSA LR7189, UL E28476</b>                      |
| Packaging Features    | Packaging Method                                 | <b>Tube, Tube/Box</b>                             |
|                       | Packaging Quantity                               | <b>20</b>   |

Other

Comment

**Use Keying Tool No. 91417-1 to remove post for keying.**

Product Compliance


[Statement of Compliance](#)  
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

Products - 1 Results

[View All](#)

Compare 0/10 

Relation Type 

RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - FFC Connectors  
FFC | FFC

**010 HOUSING FFC RCPT**  
**100CL SR - 487526-9**

TE INTERNAL NUMBER: 487526-9

 Active

[Always EU RoHS/ELV Compliant](#)

Connector Type **Housing**

Connector Style **Receptacle**

Centerline **2.54 mm**

Number of Positions **10**

Number of Rows **1**