

5-102448-5 ✓ ACTIVE

AMPMODU

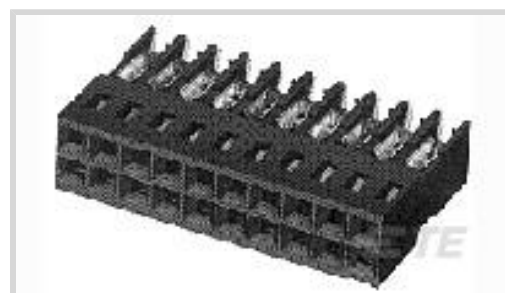
TE Internal #: 5-102448-5

Connector Assembly, Receptacle, Wire-to-Board, 14 Position, .1 in [2.54 mm] Centerline, Insulation Displacement (IDC), 2 Row, Black, Wire & Cable

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Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Assemblies & Housings



Connector Product Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **14**

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

### Features

#### Product Type Features

|                                   |                    |
|-----------------------------------|--------------------|
| Applied Pressure                  | Standard           |
| Connector Product Type            | Connector Assembly |
| Connector & Housing Type          | Receptacle         |
| Connector System                  | Wire-to-Board      |
| Sealable                          | No                 |
| Connector & Contact Terminates To | Wire & Cable       |

#### Configuration Features

|                     |    |
|---------------------|----|
| Number of Positions | 14 |
| Number of Rows      | 2  |

#### Electrical Characteristics

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

#### Body Features

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

#### Contact Features

|   |        |
|---|--------|
| Contact Type                                  | Socket |
| PCB Contact Termination Area Plating Material | Tin    |



|                       |              |
|-----------------------|--------------|
| Contact Base Material | Copper Alloy |
|-----------------------|--------------|

|                              |     |
|------------------------------|-----|
| Contact Current Rating (Max) | 3 A |
|------------------------------|-----|

### Termination Features

|                                    |                               |
|------------------------------------|-------------------------------|
| Termination Method to Wire & Cable | Insulation Displacement (IDC) |
|------------------------------------|-------------------------------|

### Mechanical Attachment

|                  |         |
|------------------|---------|
| Mating Retention | Without |
|------------------|---------|

|                         |                            |
|-------------------------|----------------------------|
| Connector Mounting Type | Cable Mount (Free-Hanging) |
|-------------------------|----------------------------|

### Housing Features

|                             |                  |
|-----------------------------|------------------|
| Housing Entry Configuration | Both Ends Closed |
|-----------------------------|------------------|

|                  |               |
|------------------|---------------|
| Housing Material | Thermoplastic |
|------------------|---------------|

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

### Dimensions

|                  |                 |
|------------------|-----------------|
| Connector Length | 17.78 mm[.7 in] |
|------------------|-----------------|

|                  |                |
|------------------|----------------|
| Connector Height | 6.1 mm[.24 in] |
|------------------|----------------|

|                                      |                 |
|--------------------------------------|-----------------|
| Compatible Insulation Diameter Range | 1.27 mm[.05 in] |
|--------------------------------------|-----------------|

|           |                         |
|-----------|-------------------------|
| Wire Size | .3 – .5 mm <sup>2</sup> |
|-----------|-------------------------|

|                    |                |
|--------------------|----------------|
| Row-to-Row Spacing | 2.54 mm[.1 in] |
|--------------------|----------------|

### Usage Conditions

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

### Operation/Application

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

### Industry Standards

|                  |                               |
|------------------|-------------------------------|
| Glow Wire Rating | Standard Part - Not Glow Wire |
|------------------|-------------------------------|

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

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

### Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 170 |
|--------------------|-----|

|                  |      |
|------------------|------|
| Packaging Method | Tray |
|------------------|------|

### 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: JUNE 2023 (235)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.  |
| 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



TE Part # 58074-1  
MTA 50/100/156 MANUAL TOOL FRAME



TE Part # 102540-5  
14 AMPMODU MT COVER DR .100CL

### Customers Also Bought



TE Part #GA1K2A1  
DISCRETE 1K OHMS,+/-0.2C FROM 0C TO 25C



TE Part #1658609-3  
15 POS HDF RCPT, AP, LEAD FREE



TE Part #1676366-2  
RN 0805 51R1 0.1% 10PPM 1KRL



TE Part #1376164-1  
BATTERY HOLDER ML621 ASSY



## Documents

### Product Drawings

[14 AMPMODU MT ASSY DR.100CL SN](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5-102448-5\\_T.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-102448-5\\_T.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-102448-5\\_T.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

### Product Specifications

[Application Specification](#)

English