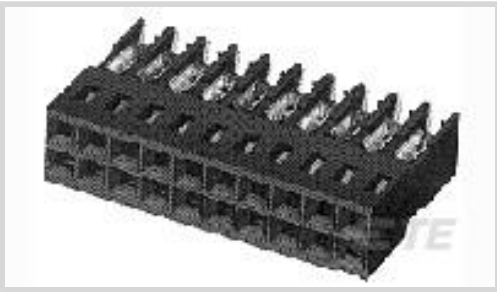




Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Assemblies & Housings



Connector Product Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **50**

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 | 50 |
| 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-Lead |



|                              |              |
|------------------------------|--------------|
| 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                     | 63.5 mm[2.5 in]            |
| Connector Height                     | 6.1 mm[.24 in]             |
| Compatible Insulation Diameter Range | 1.27 mm[.05 in]            |
| Wire Size                            | .12 - .326 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 |
| Compatible With Approved Standards Products | CSA LR7189, UL E28476         |
| UL Flammability Rating                      | UL 94V-0                      |

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 50   |
| Packaging Method   | Tray |

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: JAN 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<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                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                                                                                                                                                                                                                                                                                                              |
| Solder Process Capability                     | Not applicable for solder process capability                                                                                                                                                                                                                                                                                                                                                                                |

Product Compliance Disclaimer

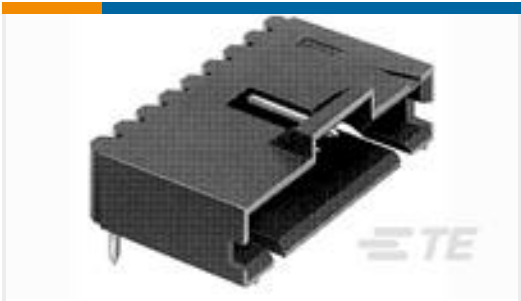
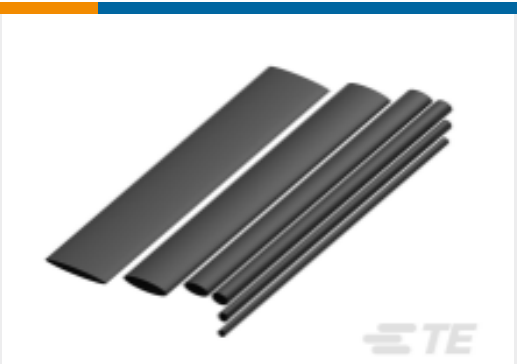
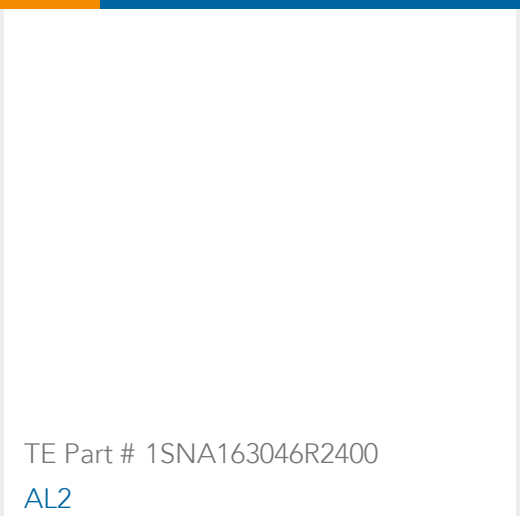
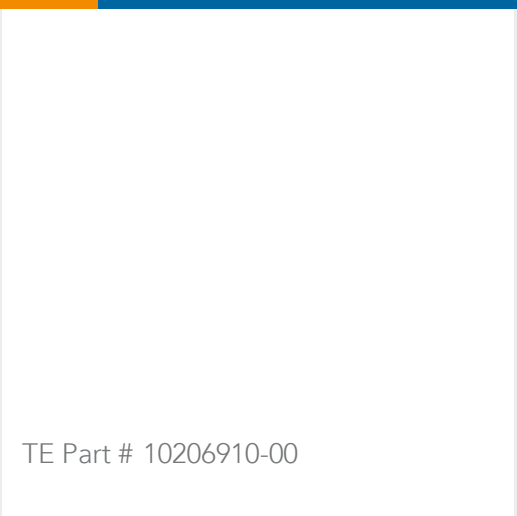
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



Customers Also Bought



|                                                                                                                                         |                                                                                                                                                |                                                                                                                                                            |                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 212498-1<br/>PLUG ASSY,9C4,AMPLIMITE</p> |  <p>TE Part # 103635-7<br/>08 MTE HDR SRRA LATCH .100CL</p>  |  <p>TE Part # NB-PTCO-182<br/>Pt1000, 2.0x4.0, Class B, PTFE102B1A0</p> |  <p>TE Part # NB17254001<br/>RNF-150-3/4-0-SP</p> |
|  <p>TE Part # NB17574001<br/>RT-375-2-X-SP</p>        |  <p>TE Part # 7-1618391-4<br/>LEV200ABNAA=RELAY, SPST-NO</p> |  <p>TE Part # 1SNA163046R2400<br/>AL2</p>                              |  <p>TE Part # 10206910-00</p>                    |

Documents

Product Drawings  
50 AMPMODU MT ASSY DR .100CL  
English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_2-102398-3\_U.2d\_dxf.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_2-102398-3\_U.3d\_igs.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_2-102398-3\_U.3d\_stp.zip  
English

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

Product Specifications  
Application Specification  
English

Instruction Sheets  
Instruction Sheet (U.S.)  
English  
Pneumatic Pistol Grip Tool  
English

2-102398-3

Connector Assembly, Receptacle, Wire-to-Board, 50 Position, .1 in [2.54 mm]  
Centerline, Insulation Displacement (IDC), 2 Row, Black, Wire & Cable

