



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: **9**

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 | 9 |
| Number of Rows      | 1 |

Electrical Characteristics

|                                       |         |
|---------------------------------------|---------|
| Termination Resistance                | 15 mΩ   |
| Dielectric Withstanding Voltage (Max) | 600 VAC |
| Insulation Resistance                 | 5000 MΩ |
| Operating Voltage                     | 267 V   |

Body Features

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

Contact Features

|                                  |      |
|----------------------------------|------|
| Contact Retention Within Housing | With |
|----------------------------------|------|



|                                                      |                 |
|------------------------------------------------------|-----------------|
| Contact Layout                                       | Inline          |
| Contact Type                                         | Socket          |
| PCB Contact Termination Area Plating Material Finish | Matte           |
| PCB Contact Termination Area Plating Material        | Tin             |
| Contact Base Material                                | Phosphor Bronze |
| Contact Current Rating (Max)                         | 3 A             |

Termination Features

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

Mechanical Attachment

|                                       |                            |
|---------------------------------------|----------------------------|
| Strain Relief                         | Without                    |
| Contact Retention Type Within Housing | Locking Lance              |
| Panel Mount Feature                   | Without                    |
| PCB Mount Retention                   | Without                    |
| Mating Retention Type                 | Latch                      |
| Mating Retention                      | With                       |
| Connector Mounting Type               | Cable Mount (Free-Hanging) |

Housing Features

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

Dimensions

|                                      |                          |
|--------------------------------------|--------------------------|
| Connector Length                     | 45.72 mm[1.8 in]         |
| Connector Height                     | 6.73 mm[.265 in]         |
| Compatible Insulation Diameter Range | 1.37 mm[.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

|                                             |                               |
|---------------------------------------------|-------------------------------|
| 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 | 24   |
| Packaging Method   | Tube |

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: JAN 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<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 # 843477-1  
TOOL, EXTRACTION RESET



TE Part # 5-103669-8  
09 MTE HDR SRST LATCH W/HLDWN



TE Part # 5-103634-8  
09 MTE HDR SRRA LATCH.100CL LF



TE Part # 58336-1  
HEAD (IDC) MODU MTE W/O TL

TE Part # 5-147324-8  
09 MTE HDR SRRA SMT.100CL

TE Part # 5-103639-8  
09 MTE HDR SRST LATCH .100CL

TE Part # 5-1375549-8  
09 MTE VERT SMT HDR FULL LF-PB

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 #5-103635-8  
09 MTE HDR SRRA LTCH.100CL LF

TE Part #2-1879215-9  
CPF 0402 8K06 0.1% 25PPM 1K RL

TE Part #5-2176412-4  
5W XSM M/OX 5% 820R

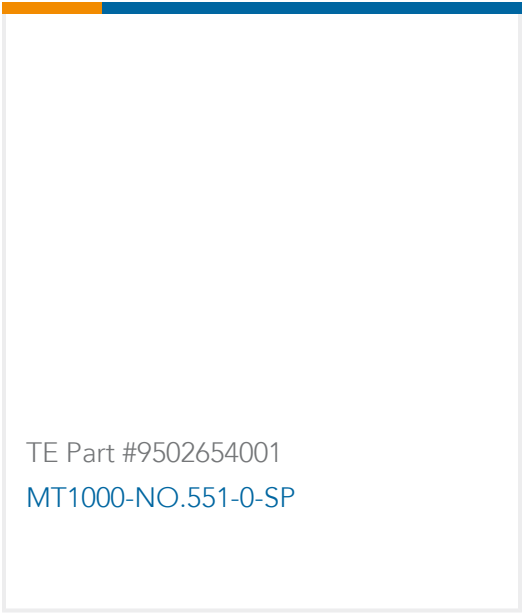
TE Part #8-1879354-1  
RR03 5% 680R AMMO

TE Part #776164-4  
35POS,AMPSEAL,SOC HSG ASSY,SLD,  
COD 4

TE Part #1337772-4  
50/OHM COAX BNC STR PLUG ELB P

TE Part #1698474001  
MT1000-1.5MM-0-SP

TE Part #1419106-3  
27E023=SOCKET,KH,14,PC,PHEN,BL



Documents

Product Drawings

2X9 MTE RCPT SR LATCH .100CL

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_5-103956-8\_T.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_5-103956-8\_T.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_5-103956-8\_T.3d\_stp.zip

English

3D PDF

English

Customer View Model

ENG\_CVM\_5-103956-8\_P.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_5-103956-8\_P.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_5-103956-8\_P.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

5-103956-8

Connector Assembly, Receptacle, Wire-to-Board, 9 Position, .1 in [2.54 mm]  
Centerline, Insulation Displacement (IDC) / Crimp, 1 Row, AMPMODU MTE



Product Specifications

Application Specification

English