

5-103958-6 ✓ ACTIVE

AMPMODU | AMPMODU MTE

TE Internal #: 5-103958-6

Connector Assembly, Receptacle, Wire-to-Board, 7 Position, .1 in [2.54 mm] Centerline, Insulation Displacement (IDC) / Crimp, 1 Row, AMPMODU MTE

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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: **7**

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 | 7 |
| 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 | 35.56 mm[1.4 in] |
|------------------|------------------|

| | |
|------------------|------------------|
| Connector Height | 6.73 mm[.265 in] |
|------------------|------------------|

| | |
|--------------------------------------|------------------|
| Compatible Insulation Diameter Range | 1.37 mm[.054 in] |
|--------------------------------------|------------------|

| | |
|-----------|--------------------------|
| Wire Size | .12 – .4 mm ² |
|-----------|--------------------------|

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 | 30 |
|--------------------|----|



Packaging Method

Tube

Other

Discrete Wire Connector Comment

Maximum insulation diameter is 1.14 [.045] for Pneumatic Terminators., Ribbon Cable Notched handles 22-28 AWG

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)
Candidate List Declared Against: JAN 2023 (233)
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 # 5-103908-6
07 MTE HDR SRST LATCH W/HLDWN

TE Part # 5-103735-6
07 MTE HDR SRST LATCH .100CL



TE Part # 5-104935-6
05 MTE HDR SRRA LTCH.100CL LF

TE Part # 104503-6
07 MTE PIN HSG SR RIB .100CL

TE Part # 103653-6
07 MTE SHRD PIN HSG SR LATCH

TE Part # 5-103904-6
07 MTE HDR SRRA LATCH W/HLDWN

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

TE Part # 5-1375583-6
07 MTE VERTICAL SMT HDR 30 AU

TE Part # 5-147323-6
07 MTE HDR SRRA SMT.100CL

Also in the Series | AMPMODU MTE

Insertion & Extraction Tools(2)

PCB Connector Shrouds(40)

PCB Headers & Receptacles(763)

Ribbon Connector Accessories(1)

Standard Rectangular Connectors(2)

Wire-to-Board Connector Assemblies & Housings(585)

Wire-to-Board Connector Contacts(32)

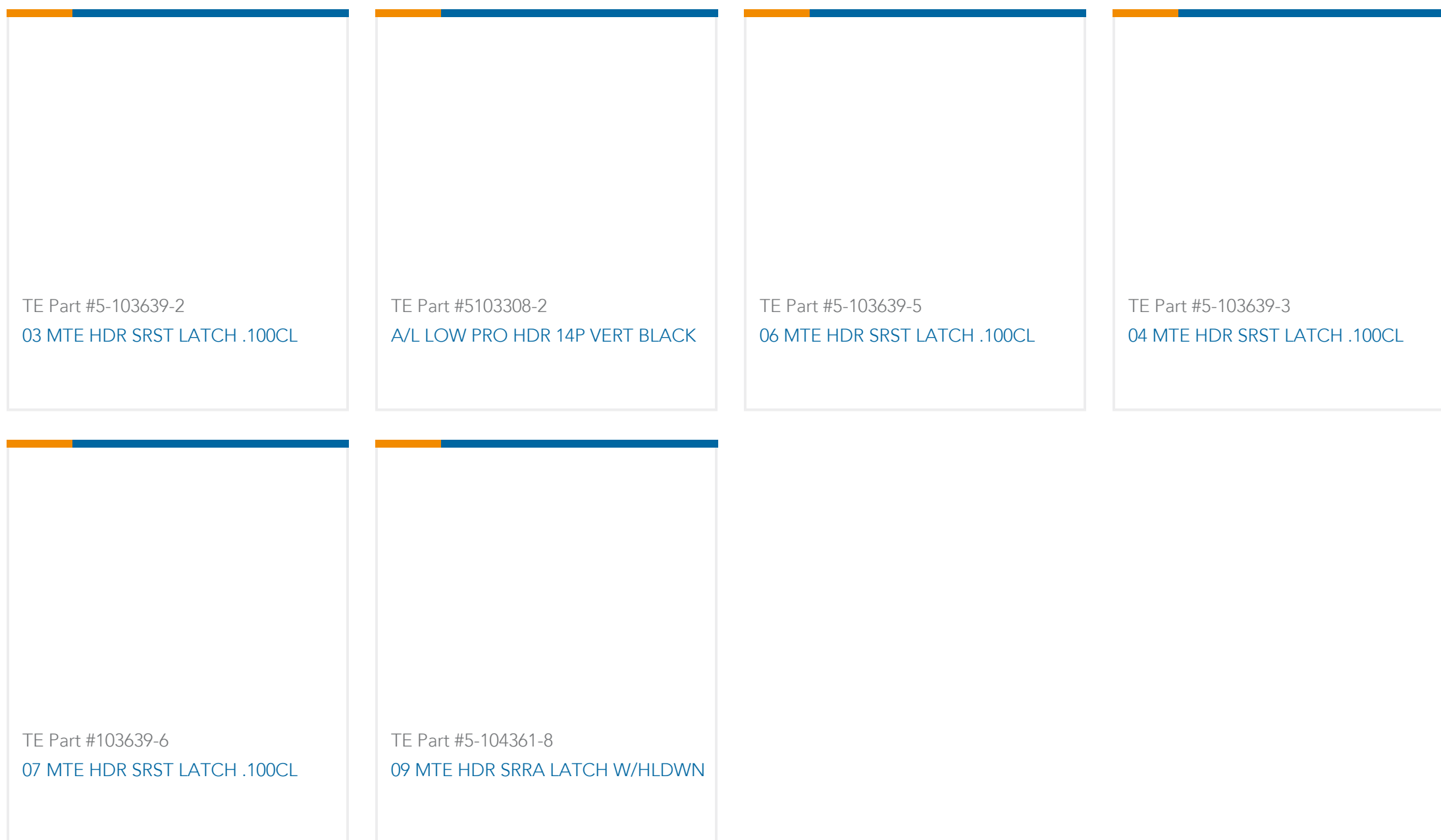
Customers Also Bought

TE Part #5747844-4
09 MSFL RCPT RA 318 (IN,FM,BL)

TE Part #1-2176230-4
3522 10R 5% 3W

TE Part #5207826-3
HD-20 RCPT 9P VERT

TE Part #5-103908-8
09 MTE HDR SRST LATCH W/HLDWN



Documents

Product Drawings

[2X7 MTE RCPT SR LATCH .100CL](#)

English

CAD Files

[3D PDF](#)

English

Customer View Model

[ENG_CVM_5-103958-6_P.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_5-103958-6_P.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_5-103958-6_P.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[AMP MODU MTE Section of Catalog 1307819](#)

English

[AMPMODU_INTERCONNECTION_SYSTEM_SECTION5_CONT](#)

English

[AMPMODU MTE INTERCONNECT SYSTEM](#)

English

Product Specifications



Application Specification

English