

3-641217-8 ✓ ACTIVE

MTA 156

TE Internal #: 3-641217-8

8 Position, Receptacle, Connector Assembly, Insulation

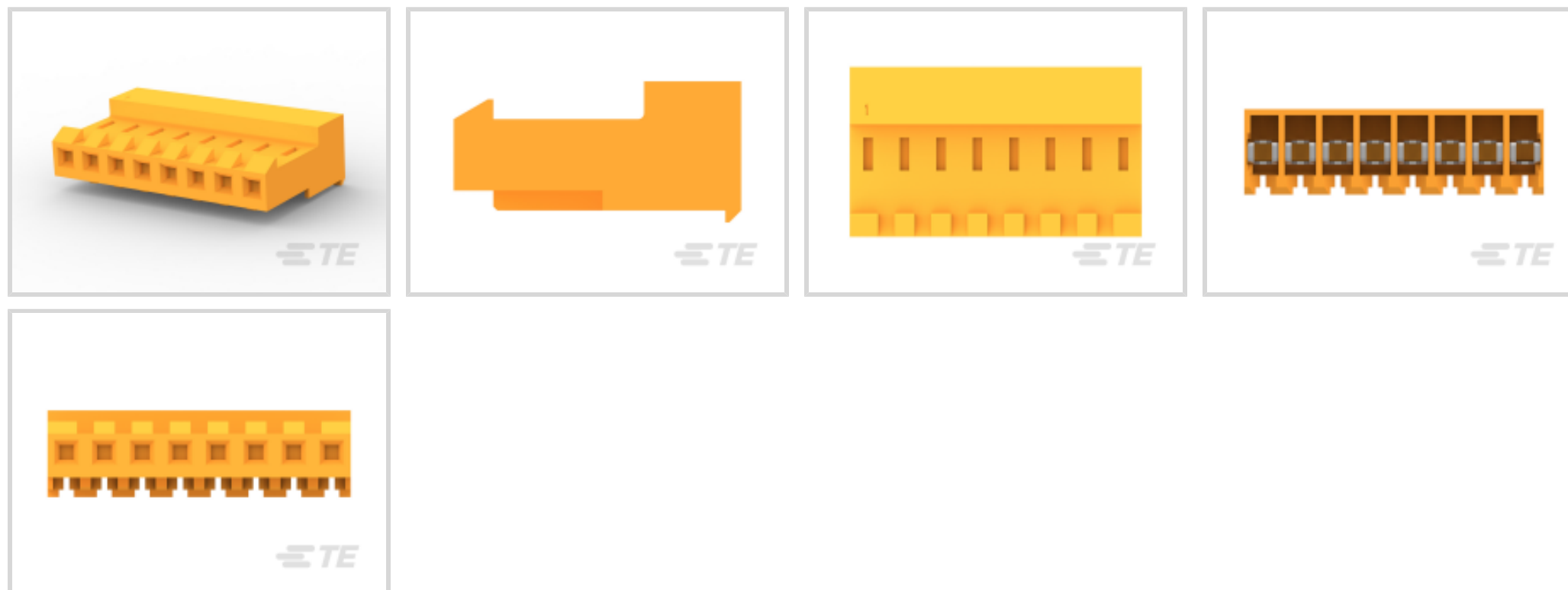
Displacement (IDC), Wire-to-Board, Gold (Au) / Gold Flash over

Palladium Nickel, MTA 156

[View on TE.com >](#)



Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Connector Assembly**

Mating Alignment: **Without**

Connector & Housing Type: **Receptacle**

Mating Retention Type: **Locking Ramp**

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

Features

Product Type Features

| | |
|------------------------------------|--------------------|
| Compatible With Discrete Wire Type | Stranded |
| 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 | 8 |
| Number of Rows | 1 |
| Number of Power Positions | 8 |

Electrical Characteristics

| | |
|-------------------|---------|
| Operating Voltage | 600 VAC |
|-------------------|---------|

Body Features

| | |
|-----------------------|--------|
| Primary Product Color | Orange |
|-----------------------|--------|



| | |
|------------------|-----|
| Cable Exit Angle | 90° |
|------------------|-----|

Contact Features

| | |
|---|---|
| Contact Underplating Material | Nickel |
| Contact Underplating Material Thickness | 1.27 – 1.77 μm [1.27 – 1.77 μin] |
| Contact Layout | Inline |
| Contact Base Material | Copper Alloy |
| Wire Contact Termination Area Plating Thickness | 2.03 – 5.08 μm [80 – 200 μin] |
| Contact Mating Area Plating Material | Gold (Au), Gold Flash over Palladium Nickel |
| Contact Retention Within Housing | With |
| Contact Current Rating (Max) | 7 A |
| Contact Type | Receptacle |
| Wire Contact Termination Area Plating Material | Tin |
| Contact Mating Area Plating Material Thickness | .076 μm [3 μin] |

Termination Features

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

Mechanical Attachment

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

Housing Features

| | |
|------------------------------------|------------------|
| Wire & Cable IDC Installation Type | Closed End |
| Centerline (Pitch) | 3.96 mm[.156 in] |
| Housing Material | Nylon |

Dimensions

| | |
|--------------------------------------|-------------------------|
| Compatible Insulation Diameter Range | 2.41 mm[.095 in] |
| Connector Height | 9.02 mm[.355 in] |
| Connector Length | 31.7 mm[1.248 in] |
| Wire Size | .8 – .9 mm ² |

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

| | |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Industry Standards

| | |
|---|-------------------------------|
| Compatible With Agency/Standards Products | CSA, UL |
| UL Rating | Recognized |
| Compatible With Approved Standards Products | UL E28476 |
| CSA Rating | Certified, LR 7189 |
| UL Flammability Rating | UL 94V-2 |
| Glow Wire Rating | Standard Part - Not Glow Wire |

Packaging Features

| | |
|--------------------|-----|
| Packaging Quantity | 250 |
| Packaging Method | Bag |

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| 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

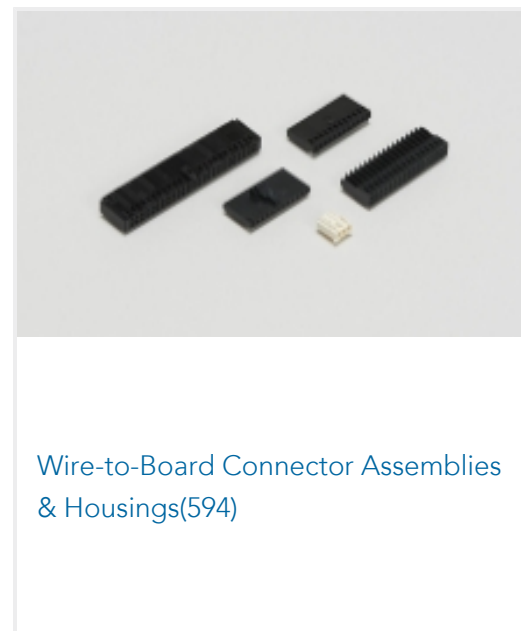
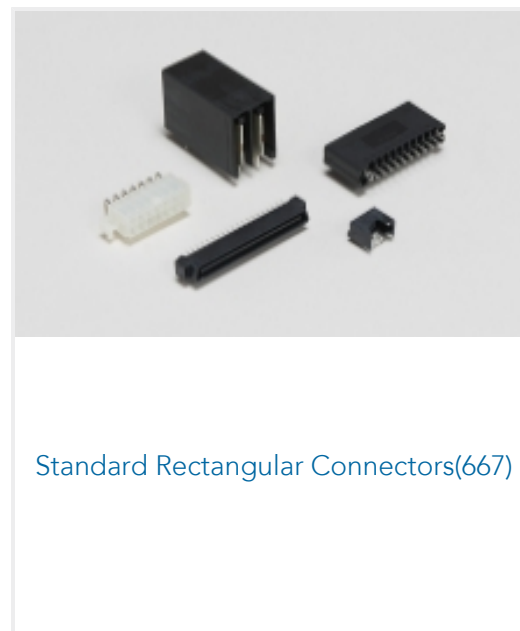
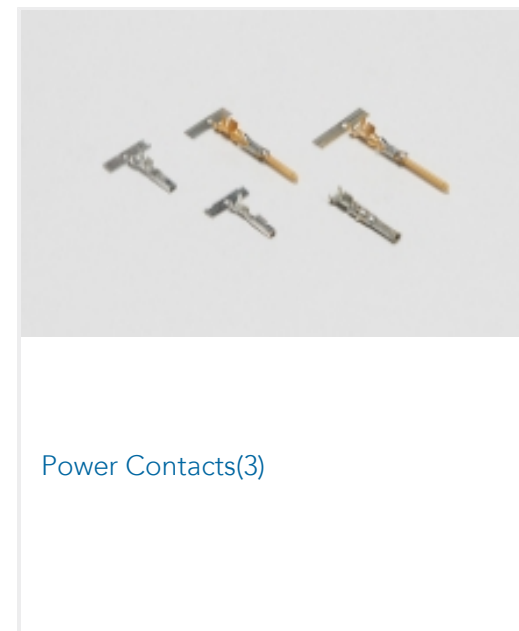
as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts

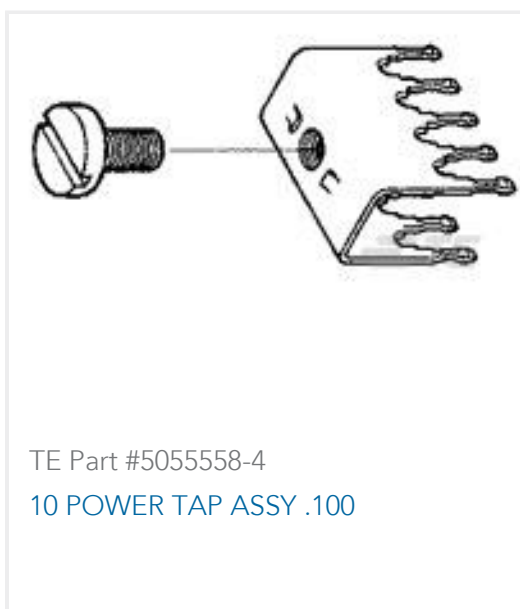
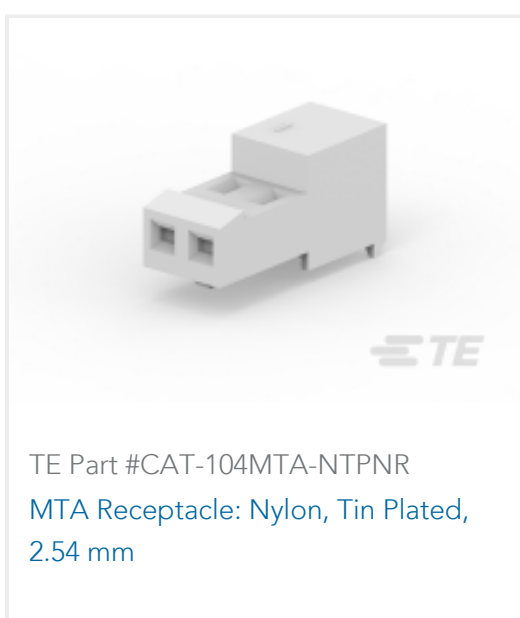




Also in the Series | **MTA 156**



Customers Also Bought





Documents

Product Drawings

[08P MTA156 CONN ASSY 18AWG ORA](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_3-641217-8_W.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-641217-8_W.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-641217-8_W.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

[Application Specification](#)

Japanese

[Application Specification](#)

English

[MTA 156 Ribbon Cable Connector Assemblies \(English And Spanish\)](#)

English

[MTA 156 Ribbon Cable Connector Assemblies \(English And Spanish\)](#)

Japanese

Agency Approvals

[UL](#)

English

[UL](#)

English