



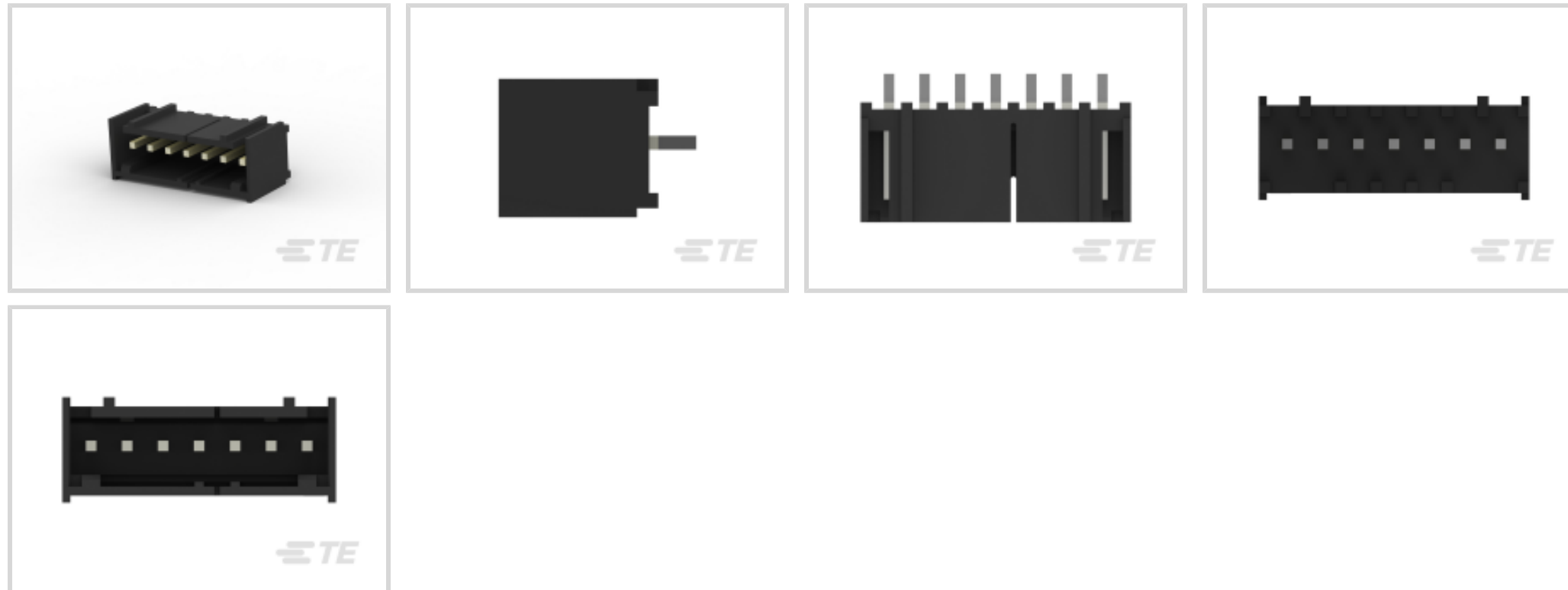
MTA 156

TE Internal #: 2-647123-7

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 7 Position, 3.96 mm [.156 in] Centerline, Printed Circuit Board, UL 94V-0, MTA 156

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

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

Number of Positions: **7**

Centerline (Pitch): **3.96 mm [.156 in]**

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| Header Type | Fully Shrouded |
| Rectangular Power Connector Type | Header |
| Connector & Housing Type | Plug |
| Connector System | Wire-to-Board |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

| | |
|---------------------------|----------|
| Number of Positions | 7 |
| PCB Mount Orientation | Vertical |
| Number of Power Positions | 7 |
| Number of Rows | 1 |

Electrical Characteristics

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

Body Features



| | |
|-------------------|----------|
| Connector Profile | Standard |
|-------------------|----------|

Contact Features

| | |
|--|---|
| Contact Termination Area Plating Finish | Matte |
| Contact Layout | Inline |
| Contact Underplating Material | Nickel |
| Contact Base Material | Copper Alloy |
| Contact Current Rating (Max) | 7 A |
| Contact Retention Within Housing | Without |
| Contact Type | Pin |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Mating Area Plating Material | Tin |
| Contact Mating Area Plating Material Thickness | 3.81 – 8.89 μm [150 – 350 μin] |
| Underplate Material Thickness | 1.27 μm [50 μin] |
| Contact Mating Area Plating Material Finish | Matte |
| Contact Termination Area Plating Thickness | 1 μm [39.37 μin] |

Termination Features

| | |
|---|-----------------------|
| Termination Post & Tail Length | 3 mm[.118 in] |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

| | |
|-------------------------|--------------|
| Strain Relief | Without |
| Mating Alignment Type | Polarization |
| Mating Alignment | With |
| PCB Mount Alignment | Without |
| Panel Mount Feature | Without |
| PCB Mount Retention | Without |
| Connector Mounting Type | Board Mount |
| Mating Retention | With |
| Mating Retention Type | Latch Detent |

Housing Features

| | |
|--------------------|------------------|
| Centerline (Pitch) | 3.96 mm[.156 in] |
| Housing Color | Black |
| Housing Material | Polyester |



Dimensions

| | |
|--|---------------------|
| Accepts Wire Insulation Diameter Range | .89 – 1.53 mm |
| PCB Thickness (Recommended) | 1.57 mm [.062 in] |
| Height | 13.34 mm [.525 in] |
| Mating Post Length | 7.62 mm [.3 in] |
| Length | 30.12 mm [1.186 in] |

Usage Conditions

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

Operation/Application

| | |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

Industry Standards

| | |
|------------------------|-------------------------------|
| CSA Rating | Certified |
| UL Flammability Rating | UL 94V-0 |
| Glow Wire Rating | Standard Part - Not Glow Wire |
| Agency/Standard Number | E28476 |
| Agency/Standard | CSA, UL |
| UL Rating | Recognized |
| CSA File Number | LR7189 |

Packaging Features

| | |
|--------------------|-----|
| Packaging Method | Bag |
| Packaging Quantity | 500 |

Other

| | |
|--------------|-----------------------------|
| For Use With | MTA .156 Connector Assembly |
|--------------|-----------------------------|

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 2022 (224) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC |



Halogen Content Not Low Halogen - contains Br or Cl > 900 ppm.

Solder Process Capability Wave solder capable to 240°C

Product Compliance Disclaimer

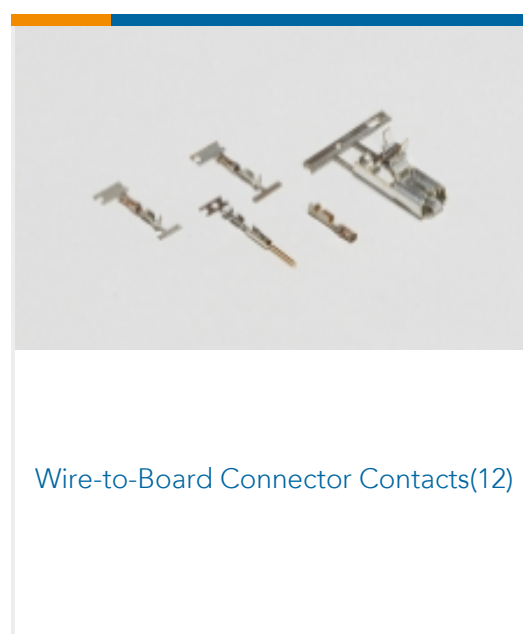
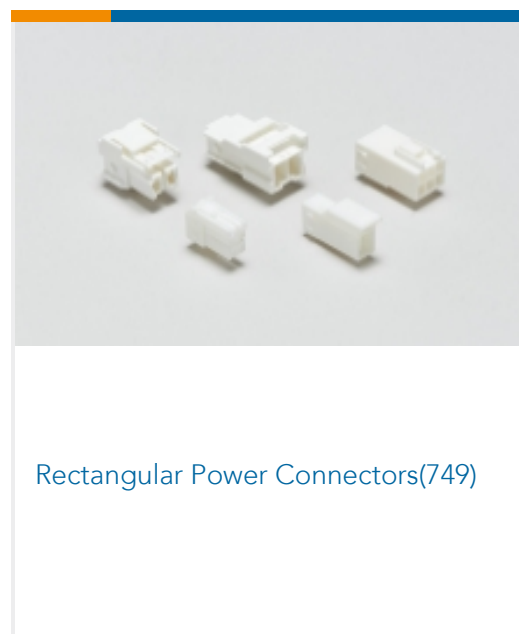
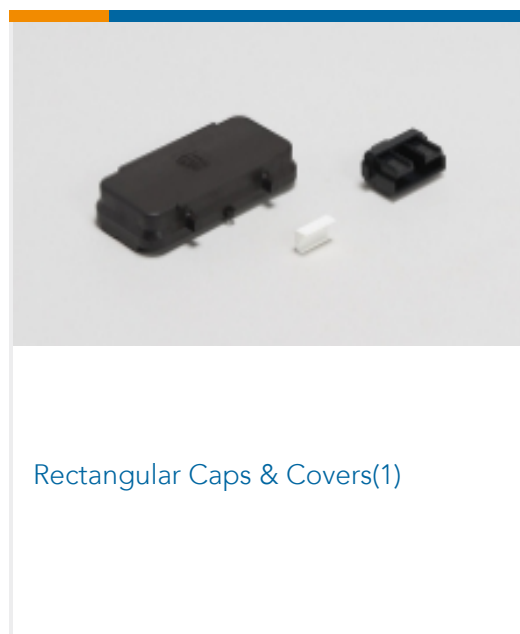
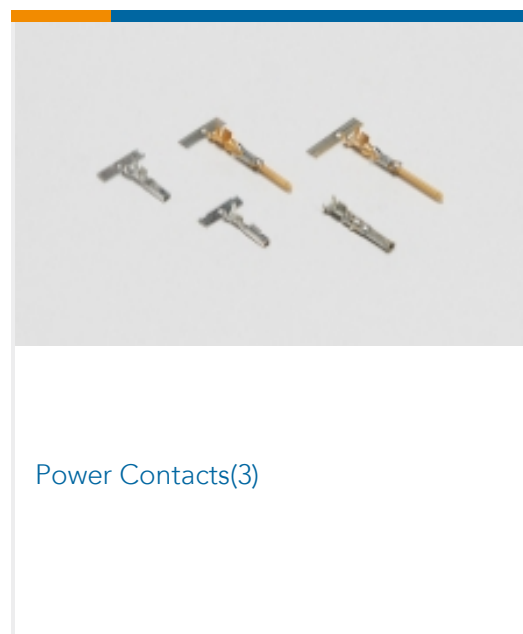
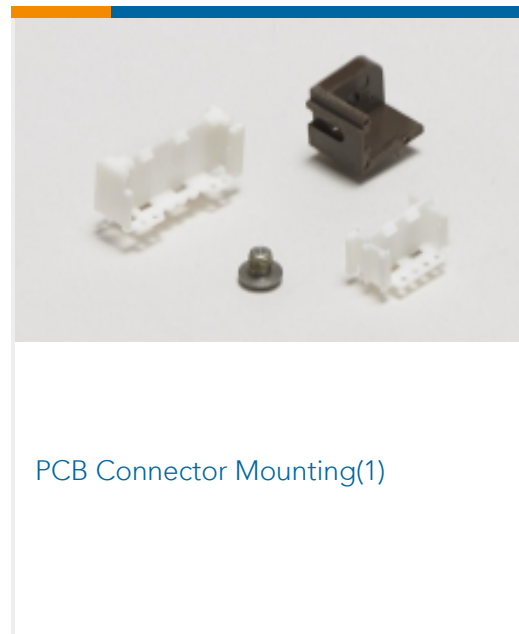
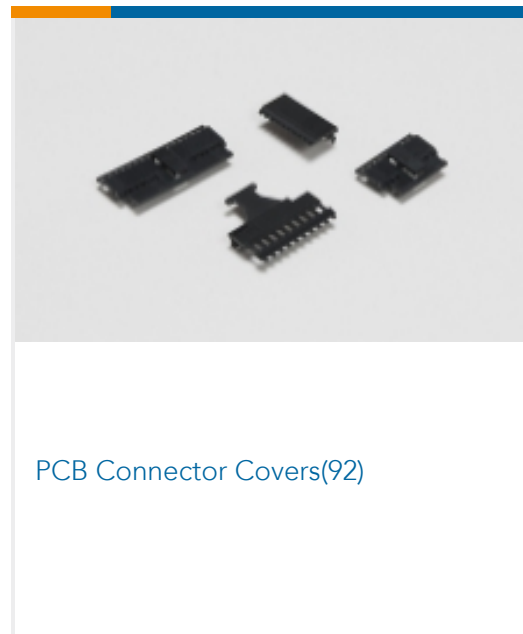
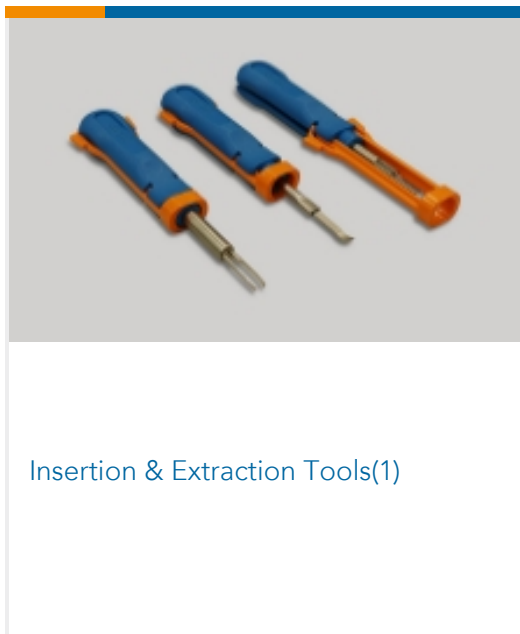
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

| | | | |
|--|--|--|--|
|  <p>TE Part # 3-640429-7 07P MTA156 CONN ASSY 24AWG WHT</p> |  <p>TE Part # 3-640599-7 07P MTA156 CONN ASSY 18AWG ORA</p> |  <p>TE Part # 3-640428-7 07P MTA156 CONN ASSY 22AWG RED</p> |  <p>TE Part # 3-640427-7 07P MTA156 CONN ASSY 20AWG YEL</p> |
|  <p>TE Part # 3-643819-7 07P MTA156 CONN ASSY 22AWG RED</p> |  <p>TE Part # 640551-7 07P MTA156 COVER</p> |  <p>TE Part # 3-640431-7 07P MTA156 CONN ASSY 18AWG ORA</p> |  <p>TE Part # 3-643817-7 07P MTA156 CONN ASSY 18AWG ORA</p> |
|  <p>TE Part # 3-643818-7 07P MTA156 CONN ASSY 20AWG YEL</p> |  <p>TE Part # 643067-7 07P MTA156 MOLDED COVER</p> |  <p>TE Part # 643071-7 07P MTA156 FD-THRU COVER</p> |  <p>TE Part # 3-640601-7 07P MTA156 CONN ASSY 22AWG LF</p> |



Also in the Series | MTA 156



Documents



Product Drawings

[07P MTA156 SHRD HDR ASSY SQ SN](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2-647123-7_D.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-647123-7_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-647123-7_D.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[MTA, CST-100 II, SL-156 and AMP Economy Power \(EP\) Connectors](#)

English

Product Specifications

[Application Specification](#)

English