



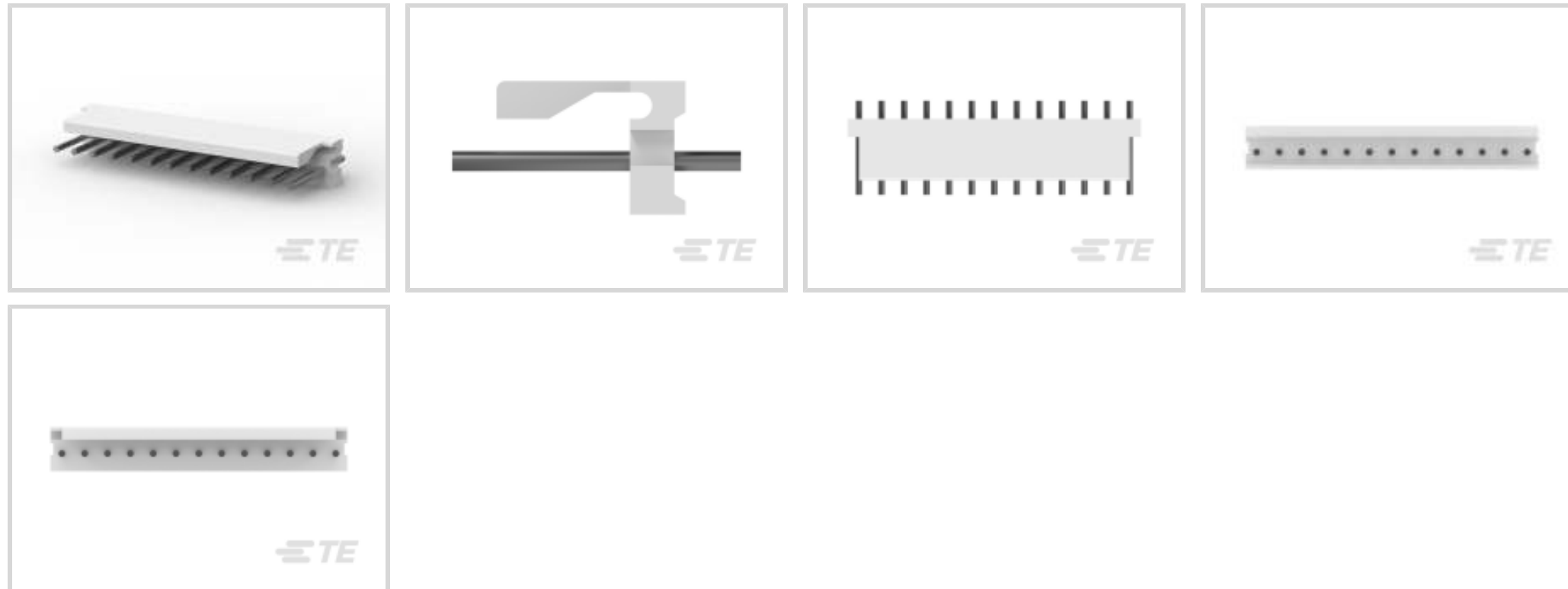
MTA 156

TE Internal #: 1-640388-3

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 13 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: **13**

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

**Features**

**Product Type Features**

|                                   |                       |
|-----------------------------------|-----------------------|
| Header Type                       | Partially 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       | 13       |
| PCB Mount Orientation     | Vertical |
| Number of Power Positions | 13       |
| Number of Rows            | 1        |

**Electrical Characteristics**

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

**Contact Features**



|   |                            |
|---|----------------------------|
| Mating Post Length                                      | 10.16 mm[.4 in]            |
| PCB Contact Termination Area Plating Material Thickness | 2.54 $\mu$ m[100 $\mu$ in] |
| Contact Layout  | Inline                     |
| Contact Underplating Material Thickness                 | 50 $\mu$ m[1.27 $\mu$ in]  |
| Contact Mating Area Plating Material                    | Tin                        |
| 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 Thickness          | 2.54 $\mu$ m[100 $\mu$ in] |

#### Termination Features

|   |                       |
|---|-----------------------|
| Termination Post & Tail Length              | 3.18 mm[.125 in]      |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

#### Mechanical Attachment

|                         |               |
|-------------------------|---------------|
| Strain Relief           | Without       |
| Mating Retention        | With          |
| Mating Alignment        | Without       |
| PCB Mount Alignment     | Without       |
| Panel Mount Feature     | Without       |
| PCB Mount Retention     | Without       |
| Mating Retention Type   | Friction Lock |
| Connector Mounting Type | Board Mount   |

#### Housing Features

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

#### Dimensions

|                             |                    |
|-----------------------------|--------------------|
| Connector Height            | 10.79 mm[.425 in]  |
| PCB Thickness (Recommended) | .06 mm[1.6 in]     |
| Product Length              | 51.51 mm[2.028 in] |



### Usage Conditions

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

### Operation/Application

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

### Industry Standards

|                        |                               |
|------------------------|-------------------------------|
| CSA Rating             | Certified, LR 7189            |
| UL Rating              | Recognized                    |
| Agency/Standard        | CSA, UL                       |
| Approved Standards     | UL E28476                     |
| UL Flammability Rating | UL 94V-0                      |
| Glow Wire Rating       | Standard Part - Not Glow Wire |

### Packaging Features

|                    |         |
|--------------------|---------|
| Packaging Quantity | 500     |
| Packaging Method   | Package |

### 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)<br>Candidate List Declared Against: JUNE 2023 (235)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.  |
| Solder Process Capability                     | Wave solder capable to 265°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



TE Part # 1-640251-3  
13P SL156 HSG W/O LCK RAMP



TE Part # CAT-103156-WBHSM  
Receptacle Housing: Wire-to-Board, with Mating Alignment, SL156



TE Part # 4-643818-3  
13P MTA156 CONN ASSY 20AWG YEL



TE Part # 4-640428-3  
13P MTA156 CONN ASSY 22AWG RED



TE Part # 1-640551-3  
13P MTA156 COVER



TE Part # 4-643817-3  
13P MTA156 CONN ASSY 18AWG ORA



TE Part # 4-643819-3  
13P MTA156 CONN ASSY 22AWG LF



TE Part # 1-643067-3  
13P MTA156 MOLDED COVER



TE Part # 4-640426-3  
13P MTA156 CONN ASSY 18AWG ORA



TE Part # 1-770996-3  
13P SL 156 HSG W/TABS W/O LR



TE Part # 4-640427-3  
13P MTA156 CONN ASSY 20AWG YEL



TE Part # 1-643071-3  
13P MTA156 FD-THRU COVER



TE Part # 1-640643-3  
13P MTA156 COVER F/T



TE Part # 4-640429-3  
13P MTA156 CONN ASSY 24AWG WHT



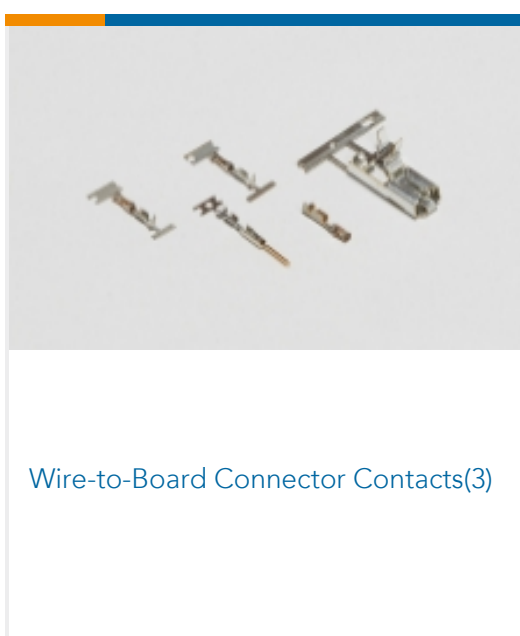
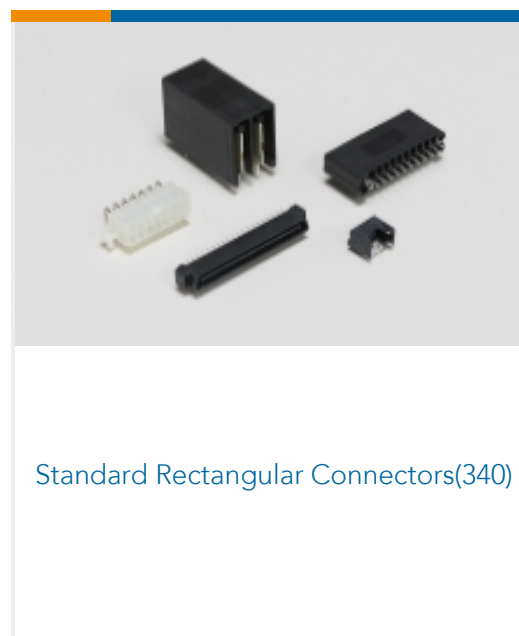
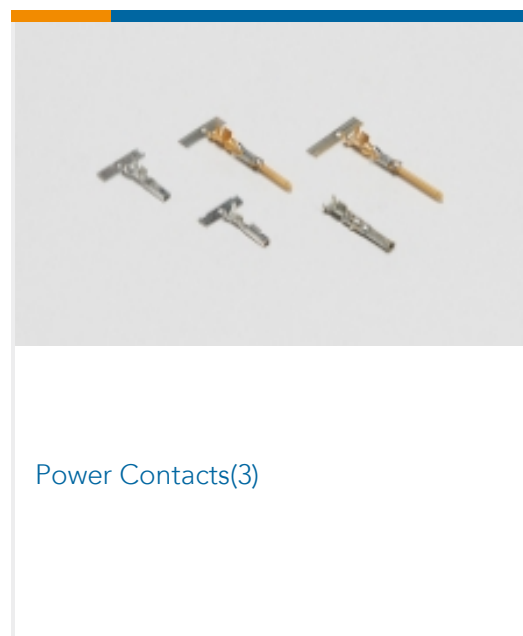
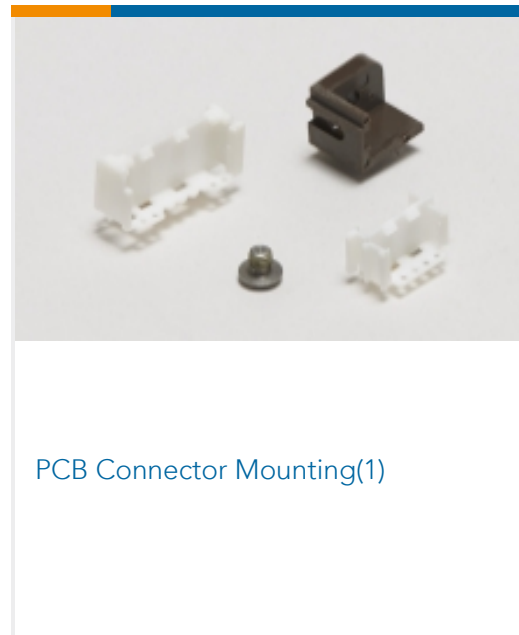
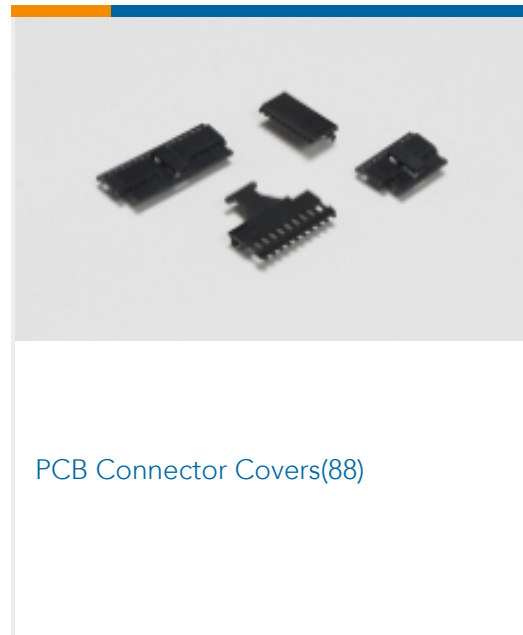
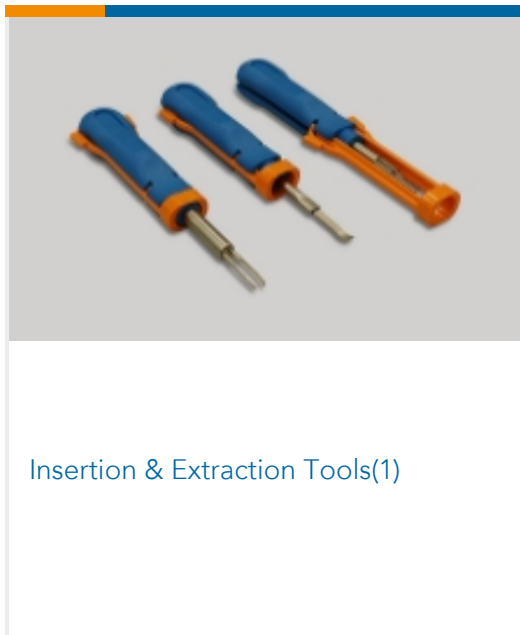
TE Part # 4-640599-3  
13P MTA156 CONN ASSY 18AWG ORA



TE Part # 4-640600-3  
13P MTA156 CONN ASSY 20AWG LF



## Also in the Series | MTA 156



## Customers Also Bought





## Documents

### Product Drawings

[13P MTA156 HDR ASSY RN STR F/L](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_1-640388-3\\_AD.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-640388-3\\_AD.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-640388-3\\_AD.3d\\_stp.zip](#)

English

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### Product Specifications

[Application Specification](#)

English

### Product Environmental Compliance

[TE Material Declaration](#)

English

### Agency Approvals

[UL Report](#)



English