

3-640427-8 ✓ ACTIVE

## MTA 156

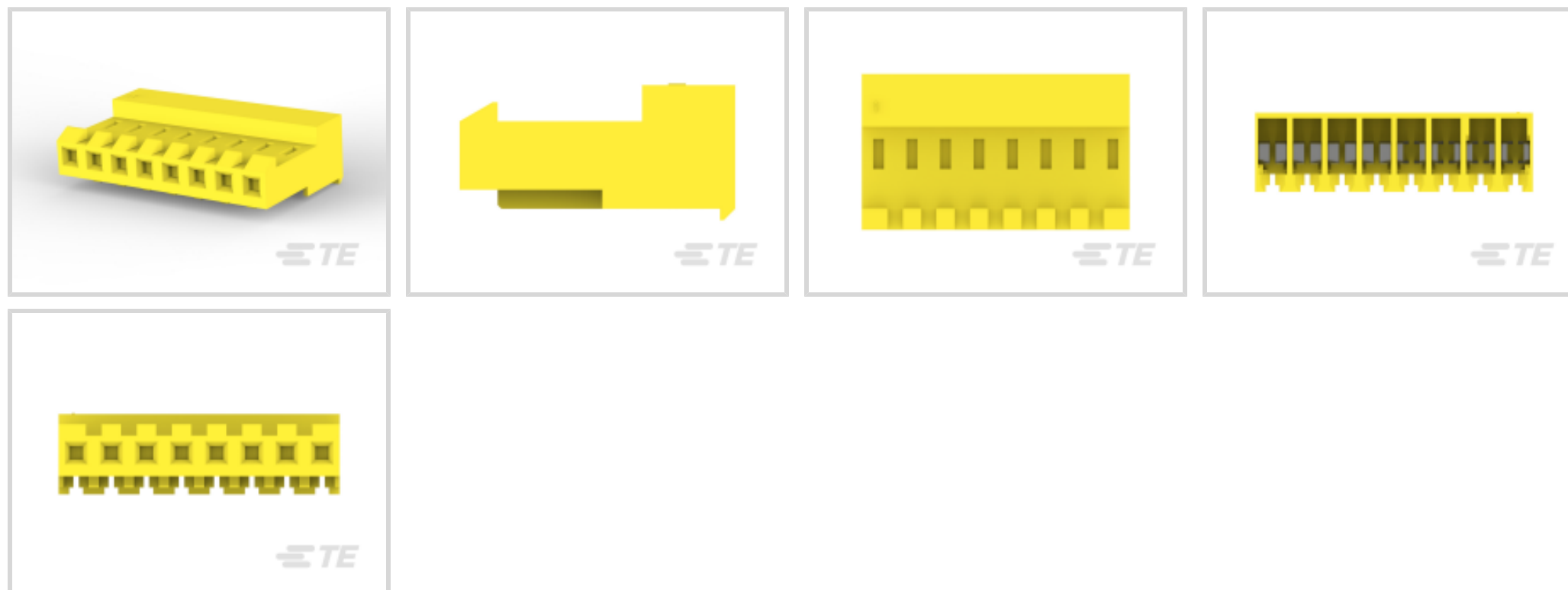
TE Internal #: 3-640427-8

Rectangular Power Connectors, Connector Assembly, Receptacle, Wire-to-Board, 8 Position, 3.96 mm [.156 in] Centerline, Wire & Cable, UL 94V-2, MTA 156

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **8**

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

### Features

#### Product Type Features

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

#### Electrical Characteristics

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

#### Body Features

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



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

### Contact Features

|   |                               |
|---|-------------------------------|
| Contact Layout                                  | Inline                        |
| Contact Underplating Material Thickness         | 30 µm [.762 µin]              |
| Wire Contact Termination Area Plating Thickness | 2.03 – 5.08 µm [80 – 200 µin] |
| Contact Mating Area Plating Material            | Tin                           |
| Contact Mating Area Plating Material Finish     | Matte                         |
| Contact Underplating Material                   | Nickel                        |
| Contact Base Material                           | Copper Alloy                  |
| Contact Current Rating (Max)                    | 7 A                           |
| Contact Retention Within Housing                | With                          |
| Contact Type                                    | Receptacle                    |
| Wire Contact Termination Area Plating Material  | Tin                           |
| Contact Mating Area Plating Material Thickness  | 2.03 – 5.08 µm [80 – 200 µin] |

### Termination Features

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

### Mechanical Attachment

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

### Housing Features

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

### Dimensions



|                                      |                      |
|--------------------------------------|----------------------|
| Connector Height                     | 9.02 mm[.355 in]     |
| Product Length                       | 31.7 mm[1.248 in]    |
| Compatible Insulation Diameter Range | 2.41 mm[.095 in]     |
| Wire Size                            | .517 mm <sup>2</sup> |

### 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-2                      |
| Glow Wire Rating       | Standard Part - Not Glow Wire |

### Packaging Features

|                    |           |
|--------------------|-----------|
| Packaging Quantity | 250       |
| Packaging Method   | Bag & Box |

### 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                               | Low Halogen - Br, Cl, F, I < 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



TE Part # 58074-1  
MTA 50/100/156 MANUAL TOOL FRAME



TE Part # 59804-1  
MAINTENANCE TOOL



TE Part # 2-647123-8  
08P MTA156 SHRD HDR ASSY SQ SN



TE Part # 640389-8  
08P MTA156 HDR ASSY SQ R/A F/L



TE Part # 640383-8  
08P MTA156 HDR ASSY STR SQ SN



TE Part # 644752-8  
08P MTA156 HDR ASSY SQ STR F/L



TE Part # 640388-8  
08P MTA156 HDR ASSY RN STR F/L



TE Part # 3-640445-8  
08P MTA156 HDR ASSY FL/STR SN



TE Part # 641922-3  
08P MTA156 HDR ASSY STR W/O#2



TE Part # 640445-8  
08P MTA156 HDR ASSY FL/STR SN



TE Part # 3-644615-8  
08P MTA156 POL HDR ASSY LF



TE Part # 640551-8  
08P MTA156 COVER



TE Part # 640385-8  
08P MTA156 HDR ASSY SQ R/A



TE Part # 643071-8  
08P MTA156 FD-THRU COVER



TE Part # 644753-8  
08P MTA156 HDR ASSY RN STR F/L



TE Part # 58247-1  
MTA 156 CRIMP HEAD REPAIR DISCRETE





TE Part # 643067-8  
08P MTA156 MOLDED COVER



TE Part # 640643-8  
08P MTA156 COVER F/T

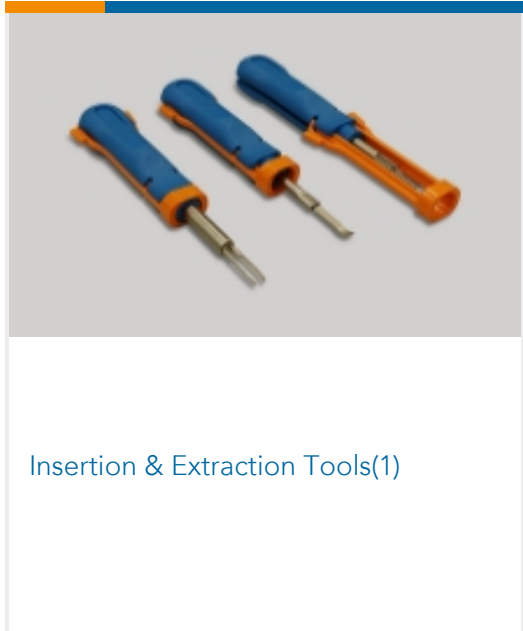


TE Part # 3-644617-8  
08P MTA156 HDR ASY PO RA FB LF

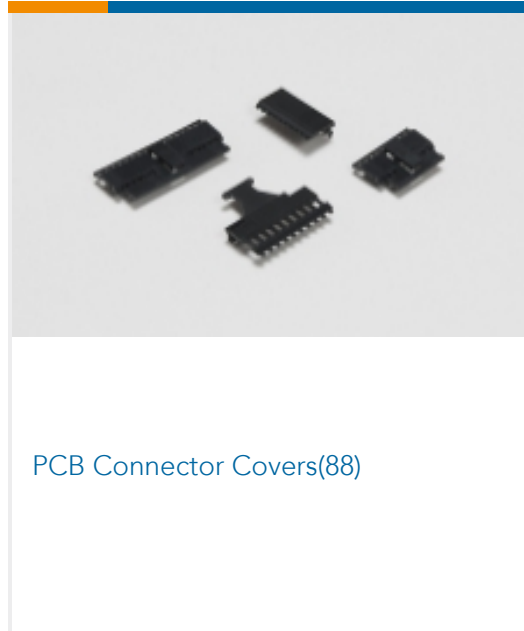


TE Part # 58247-3  
MTA 156 CRIMP HEAD PRODUCTION RBBN CABLE

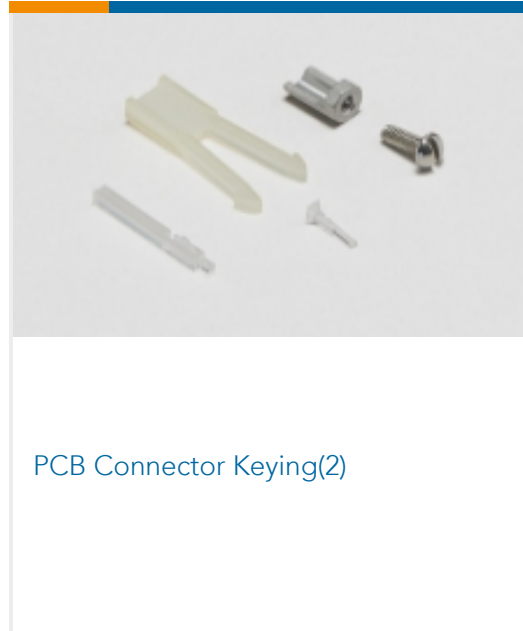
Also in the Series | **MTA 156**



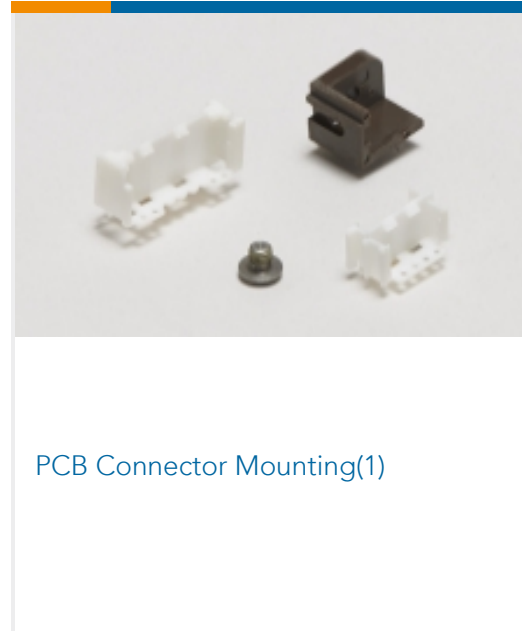
Insertion & Extraction Tools(1)



PCB Connector Covers(88)



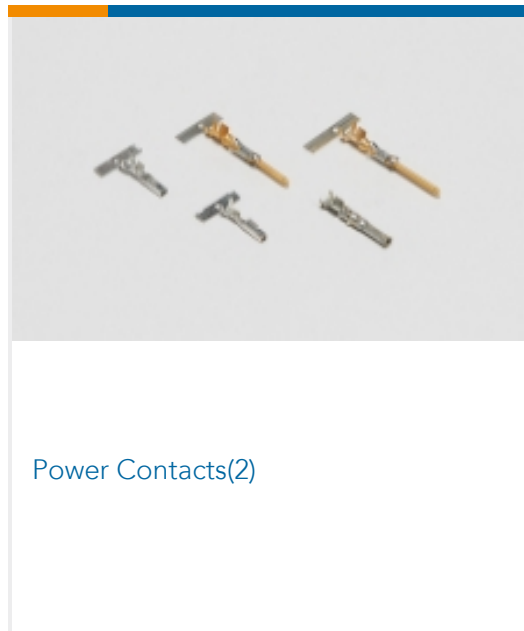
PCB Connector Keying(2)



PCB Connector Mounting(1)



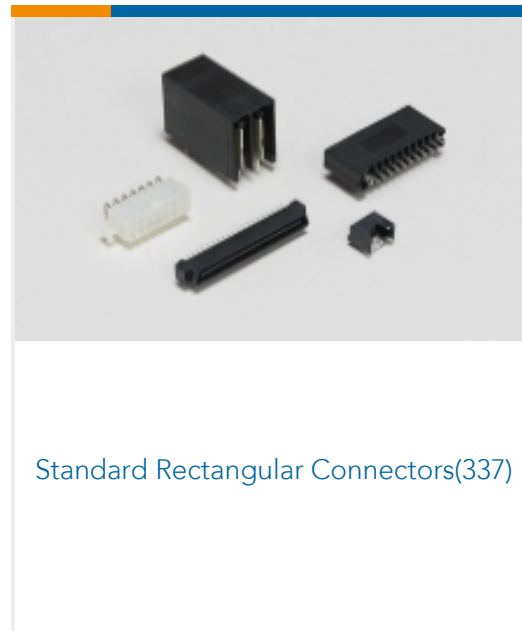
PCB Headers & Receptacles(314)



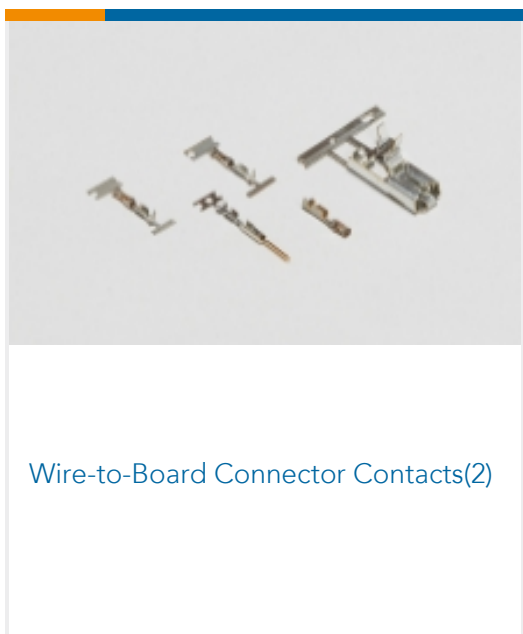
Power Contacts(2)



Rectangular Power Connectors(698)



Standard Rectangular Connectors(337)



Wire-to-Board Connector Contacts(2)

Customers Also Bought



TE Part #206126-1  
CPC PLUG ASSEMBLY SIZE 17-28



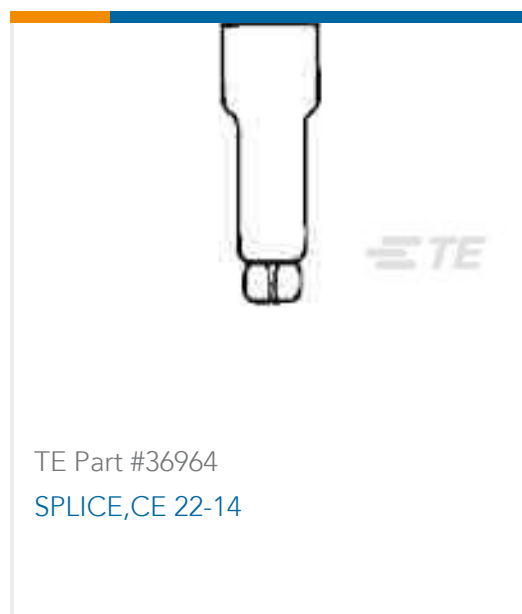
TE Part #4-640427-0  
10P MTA156 CONN ASSY 20AWG YEL



TE Part #3-640427-7  
07P MTA156 CONN ASSY 20AWG YEL



TE Part #3-640427-2  
02P MTA156 CONN ASSY 20AWG YEL



## Documents

### Product Drawings

08P MTA156 CONN ASSY 20AWG YEL

English

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_3-640427-8\\_T.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-640427-8\\_T.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-640427-8\\_T.3d\\_stp.zip](#)

English

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### Product Specifications

Product Specification

English

### Product Environmental Compliance

Product Compliance Document

English

Product Compliance Document

English



[Agency Approvals](#)

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