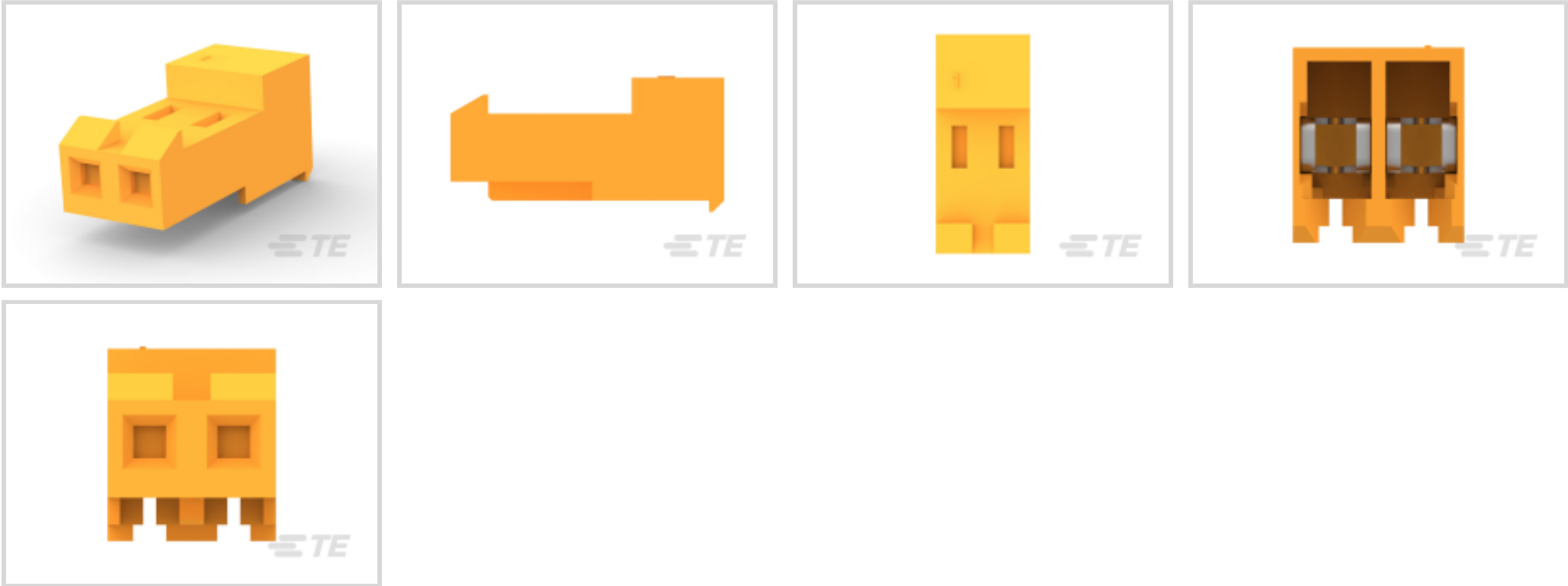




Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **2**

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

Features

Product Type Features

|                                   |                                     |
|-----------------------------------|-------------------------------------|
| Rectangular Power Connector Type  | Connector Assembly                  |
| Connector & Housing Type          | Receptacle                          |
| Connector System                  | Wire-to-Board                       |
| Sealable                          | No                                  |
| Connector & Contact Terminates To | Printed Circuit Board, Wire & Cable |

Configuration Features

|                           |   |
|---------------------------|---|
| Number of Positions       | 2 |
| Number of Power Positions | 2 |
| Number of Rows            | 1 |

Electrical Characteristics

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

Body Features

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

Contact Features

|  |  |
|--|--|
|  |  |
|--|--|



|                                                |                              |
|------------------------------------------------|------------------------------|
| Contact Layout                                 | Inline                       |
| 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           | Tin                          |
| Contact Mating Area Plating Material Thickness | 2.03 – 5.08 µm[80 – 200 µin] |
| Underplate Material Thickness                  | 30 µm[.762 µin]              |
| Contact Mating Area Plating Material Finish    | Matte                        |
| Contact Termination Area Plating Thickness     | 2.03 – 5.08 µm[80 – 200 µin] |

Termination Features

|                                    |                               |
|------------------------------------|-------------------------------|
| Termination Method to Wire & Cable | Insulation Displacement (IDC) |
| Wire/Cable Type                    | Discrete Wire                 |
| Wire Type                          | Stranded                      |

Mechanical Attachment

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

Housing Features

|                                    |                  |
|------------------------------------|------------------|
| Wire & Cable IDC Installation Type | Closed End       |
| Centerline (Pitch)                 | 3.96 mm[.156 in] |
| Housing Color                      | Orange           |
| Housing Material                   | Nylon            |
| Cable Exit Angle                   | 90°              |

Dimensions



|                                        |                         |
|----------------------------------------|-------------------------|
| Wire Size                              | .8 – .9 mm <sup>2</sup> |
| Accepts Wire Insulation Diameter Range | 2.41 mm[.095 in]        |
| Height                                 | 9.02 mm[.355 in]        |
| Length                                 | 7.92 mm[.312 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-2                      |
| 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   | Box & Carton |
| Packaging Quantity | 500          |

Other

|              |                 |
|--------------|-----------------|
| For Use With | MTA .156 Header |
|--------------|-----------------|

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)<br>Candidate List Declared Against: JUNE 2022 (224)<br>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 # 58247-1<br>MTA 156 CRIMP HEAD REPAIR<br>DISCRETE | TE Part # 58074-1<br>MTA 50/100/156 MANUAL TOOL<br>FRAME | TE Part # 640384-2<br>02P MTA156 HDR ASSY STR RND SN  | TE Part # 640643-2<br>02P MTA156 COVER F/T           |
|                                                            |                                                          |                                                       |                                                      |
| TE Part # 3-641436-2<br>02P MTA156 CON ASSY LF             | TE Part # 643067-2<br>02P MTA156 MOLDED COVER            | TE Part # 640551-2<br>02P MTA156 COVER                | TE Part # 640389-2<br>02P MTA156 HDR ASSY SQ R/A F/L |
|                                                            |                                                          |                                                       |                                                      |
| TE Part # 644753-2<br>02P MTA156 HDR ASSY RN STR F/L       | TE Part # 644752-2<br>02P MTA156 HDR ASSY SQ STR F/L     | TE Part # 3-641437-2<br>02P MTA156 PSTD CONN ASSY RED | TE Part # 640388-2<br>02P MTA156 HDR ASSY RN STR F/L |



TE Part # 640385-2  
02P MTA156 HDR ASSY SQ R/A

TE Part # 640445-2  
02P MTA156 HDR ASSY FL/STR SN

TE Part # 640383-2  
02P MTA156 HDR ASSY STR SQ SN

TE Part # 3-644615-2  
02P MTA156 POL HDR ASSY LF

TE Part # 2-647127-2  
02P MTA156 SHRD HDR ASSY LF

TE Part # 643071-2  
02P MTA156 FD-THRU COVER

TE Part # 3-641435-2  
02P MTA156 CONN ASSY ORNG

TE Part # 644751-2  
02P MTA156 HDR ASSY R/A

Also in the Series | MTA 156

Insertion & Extraction Tools(1)

PCB Connector Covers(92)

PCB Connector Keying(2)

PCB Connector Mounting(1)

PCB Headers & Receptacles(729)

Power Contacts(3)

Rectangular Caps & Covers(1)

Rectangular Power Connectors(749)

Standard Rectangular Connectors  
(1309)

Wire-to-Board Connector Contacts(12)

Documents





Product Drawings

02P MTA156 CONN ASSY 18AWG ORA

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_3-640426-2\_K.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-640426-2\_K.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-640426-2\_K.3d\_stp.zip

English

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

Datasheets & Catalog Pages

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

English

Product Specifications

Product Specification

English

Agency Approvals

CSA Certificate

English