



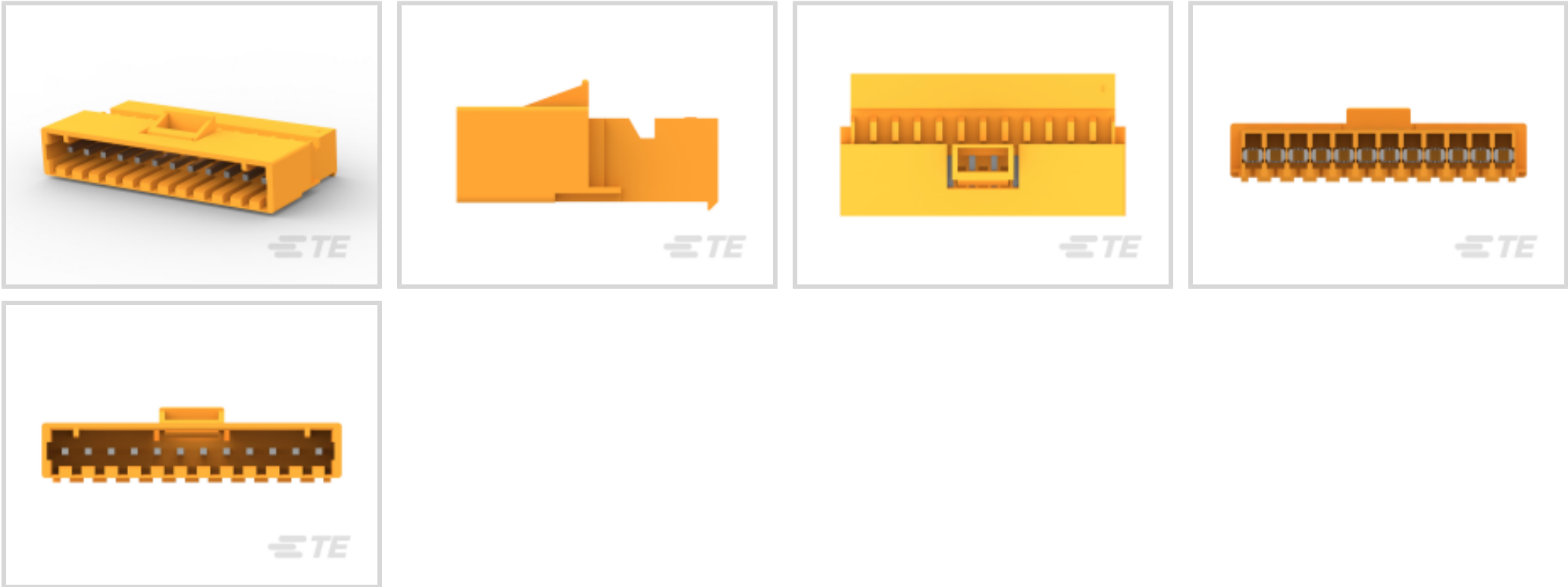
MTA 156

TE Internal #: 4-641435-2

Rectangular Power Connectors, Connector Assembly, Plug, Wire-to-Wire, 12 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: **Plug**

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

Number of Positions: **12**

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           | Plug               |
| Connector System                   | Wire-to-Wire       |
| Sealable                           | No                 |
| Connector & Contact Terminates To  | Wire & Cable       |

Configuration Features

|                           |    |
|---------------------------|----|
| Number of Positions       | 12 |
| Number of Power Positions | 12 |
| Number of Rows            | 1  |

Electrical Characteristics

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

Body Features

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



Contact Features

|                                                 |                 |
|-------------------------------------------------|-----------------|
| Contact Layout                                  | Inline          |
| Contact Underplating Material Thickness         | 50 µm[1.27 µin] |
| Wire Contact Termination Area Plating Thickness | 2.03 µm[80 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                                    | Pin             |
| Wire Contact Termination Area Plating Material  | Tin             |
| Contact Mating Area Plating Material Thickness  | 2.03 µm[80 µin] |

Termination Features

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

Mechanical Attachment

|                                       |                            |
|---------------------------------------|----------------------------|
| Strain Relief                         | With                       |
| Mating Alignment Type                 | Polarization               |
| Mating Retention                      | With                       |
| Mating Alignment                      | With                       |
| Contact Retention Type Within Housing | Locking Lance              |
| PCB Mount Alignment                   | Without                    |
| Panel Mount Feature                   | Without                    |
| PCB Mount Retention                   | Without                    |
| Mating Retention Type                 | Latch                      |
| 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                      | Orange           |
| Housing Material                   | Nylon            |

Dimensions



|                                      |                         |
|--------------------------------------|-------------------------|
| Connector Height                     | 12.37 mm                |
| Product Length                       | 51.51 mm                |
| Compatible Insulation Diameter Range | 2.41 mm[.095 in]        |
| Wire Size                            | .8 - .9 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                    |
| Compatible With Agency/Standards Products   | CSA, UL                       |
| Compatible With Approved Standards Products | UL E28476                     |
| UL Flammability Rating                      | UL 94V-2                      |
| Glow Wire Rating                            | Standard Part - Not Glow Wire |

Packaging Features

|                    |         |
|--------------------|---------|
| Packaging Quantity | 600     |
| Packaging Method   | Package |

Product Compliance

For compliance documentation, visit the product page on TE.com>

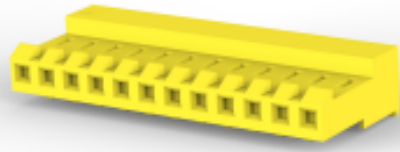
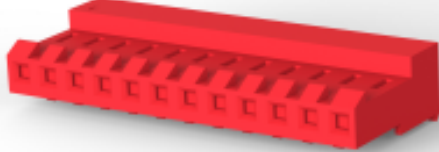
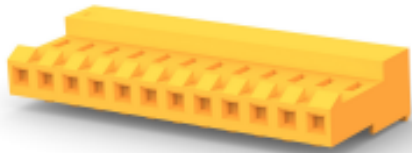
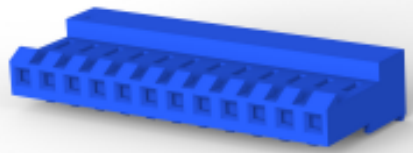
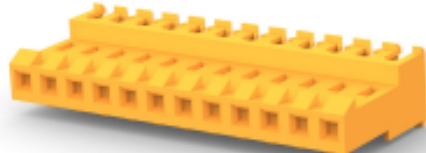
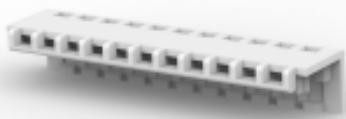
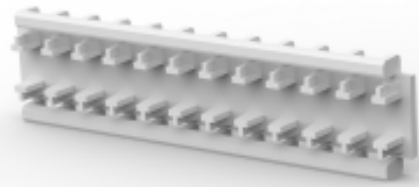
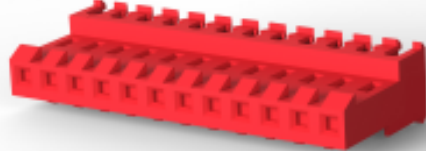
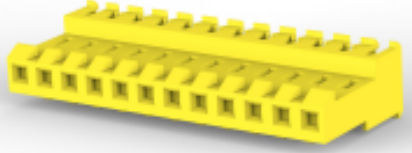
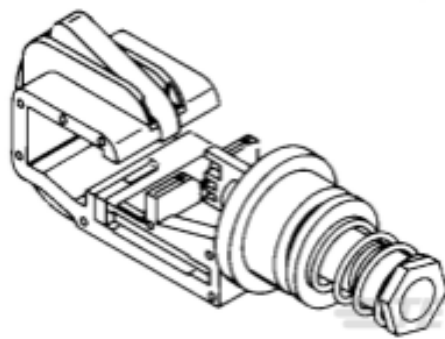
|                                               |                                                                                                                               |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 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: JAN 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<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

|                                                                                                                                                     |                                                                                                                                                  |                                                                                                                                                 |                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>TE Part # 1-2132189-2<br>12P SL156 HSG W/LCK RMP, TABS & RTNR | <br>TE Part # 58074-1<br>MTA 50/100/156 MANUAL TOOL FRAME      | <br>TE Part # 4-640427-2<br>12P MTA156 CONN ASSY 20AWG YEL | <br>TE Part # 4-640428-2<br>12P MTA156 CONN ASSY 22AWG RED |
| <br>TE Part # 4-640426-2<br>12P MTA156 CONN ASSY 18AWG ORA       | <br>TE Part # 4-640430-2<br>12P MTA156 CONN ASSY 26AWG BLU    | <br>TE Part # 1-640551-2<br>12P MTA156 COVER               | <br>TE Part # 4-640599-2<br>12P MTA156 CONN ASSY 18AWG ORA |
| <br>TE Part # 1-643067-2<br>12P MTA156 MOLDED COVER              | <br>TE Part # 1-643071-2<br>12P MTA156 FD-THRU COVER          | <br>TE Part # 4-640429-2<br>12P MTA156 CONN ASSY 24AWG WHT | <br>TE Part # 4-640601-2<br>12P MTA156 CONN ASSY 22AWG LF  |
| <br>TE Part # 4-640600-2<br>12P MTA156 CONN ASSY 20AWG LF        | <br>TE Part # 58082-1<br>MTA 156 CRIMP HEAD PRODUCTION POSTED | <br>TE Part # 1-640643-2<br>12P MTA156 COVER F/T           | <br>TE Part # 1-770996-2<br>12P SL 156 HSG W/TABS W/O LR   |





TE Part # 4-640602-2  
12P MTA156 CONN ASSY 24AWG LF



TE Part # 4-644860-2  
12P MTA156 CONN ASSY 18AWG LF

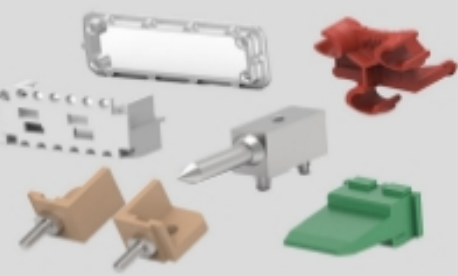
Also in the Series | MTA 156



Connector Caps & Covers(89)



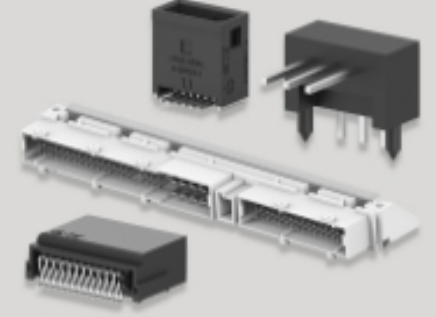
Connector Contacts(4)



Connector Hardware(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(314)



Rectangular Power Connectors(691)



Standard Rectangular Connectors(336)

Customers Also Bought



TE Part # 1625999-6  
HSC100 15R 5%



TE Part # 1-640445-4  
14P MTA156 HDR ASSY FL/STR SN



TE Part # 1-1437624-1  
PKA50B1/8=KNOB PLASTIC 1/8 SHA



TE Part # 4-640428-2  
12P MTA156 CONN ASSY 22AWG RED



TE Part # 1-480278-0  
12P CMNL CAP HSG P/M NATL



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



TE Part # 1658623-1  
10 NOVO MIL 30DP, LEAD FREE



TE Part # 36467  
SOLIS R 22-16 COMM 22-18 MIL 4



Documents

Product Drawings

12P MTA156 CONN ASSY ORNG

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_4-641435-2\_K.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_4-641435-2\_K.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_4-641435-2\_K.3d\_stp.zip

English

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Product Specifications

Product Specification

English

Product Specification

English

Agency Approvals

Agency Approval Document

English