



MTA 156

TE Internal #: 3-641438-2

Rectangular Power Connectors, Connector Assembly, Plug, Wire-to-Wire, 2 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: **2**

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

Features

Product Type Features

|                                    |                    |
|------------------------------------|--------------------|
| Compatible With Discrete Wire Type | Solid, 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        | 2 |
| Number of Power Positions  | 2 |
| Number of Signal Positions | 0 |
| 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         | 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                      | White            |



|                  |       |
|------------------|-------|
| Housing Material | Nylon |
|------------------|-------|

Dimensions

|                                      |                    |
|--------------------------------------|--------------------|
| Connector Height                     | 12.37 mm           |
| Product Length                       | 11.89 mm           |
| Compatible Insulation Diameter Range | 2.41 mm[.095 in]   |
| Wire Size                            | .2 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 | 2500    |
| 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                                           |





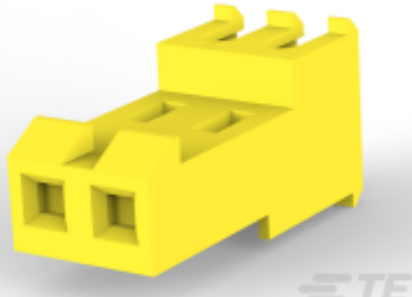
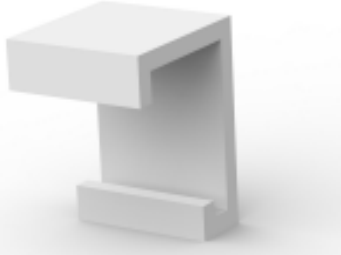
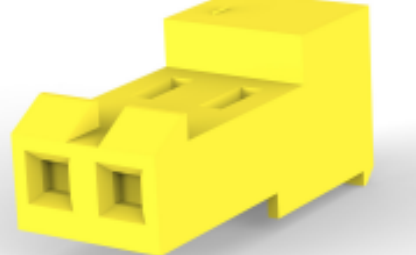
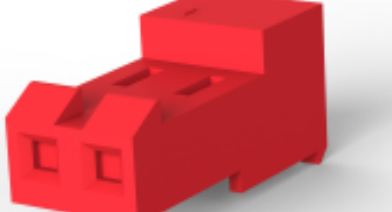
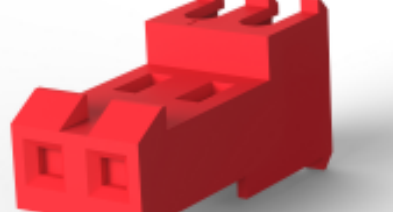
Solder Process Capability

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

|                                                                                                                                                    |                                                                                                                                                    |                                                                                                                                                      |                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 58074-1<br/>MTA 50/100/156 MANUAL TOOL FRAME</p>  |  <p>TE Part # 3-640600-2<br/>02P MTA156 CONN ASSY 20AWG LF</p>  |  <p>TE Part # 640643-2<br/>02P MTA156 COVER F/T</p>             |  <p>TE Part # 643067-2<br/>02P MTA156 MOLDED COVER</p>          |
|  <p>TE Part # 640551-2<br/>02P MTA156 COVER</p>                 |  <p>TE Part # 3-640426-2<br/>02P MTA156 CONN ASSY 18AWG ORA</p> |  <p>TE Part # 3-640427-2<br/>02P MTA156 CONN ASSY 20AWG YEL</p> |  <p>TE Part # 3-640429-2<br/>02P MTA156 CONN ASSY 24AWG WHT</p> |
|  <p>TE Part # 3-640599-2<br/>02P MTA156 CONN ASSY 18AWG ORA</p> |  <p>TE Part # 3-640428-2<br/>02P MTA156 CONN ASSY 22AWG RED</p> |  <p>TE Part # 3-640601-2<br/>02P MTA156 CONN ASSY 22AWG LF</p>  |  <p>TE Part # 3-640602-2<br/>02P MTA156 CONN ASSY 24AWG LF</p>  |





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

TE Part # 3-640430-2  
02P MTA156 CONN ASSY 26AWG BLU

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

TE Part # 3-644860-2  
02P MTA156 CONN ASSY 18AWG LF

TE Part # 58082-1  
MTA 156 CRIMP HEAD PRODUCTION POSTED

TE Part # 641533-1  
02P MTA156 CONN HSG,END CAP

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 #5-103735-5  
06 MTE HDR SRST LATCH .100CL

TE Part #643067-2  
02P MTA156 MOLDED COVER

TE Part #643071-3  
03P MTA156 FD-THRU COVER

TE Part #3-640429-2  
02P MTA156 CONN ASSY 24AWG WHT





TE Part #3-640601-2  
02P MTA156 CONN ASSY 22AWG LF



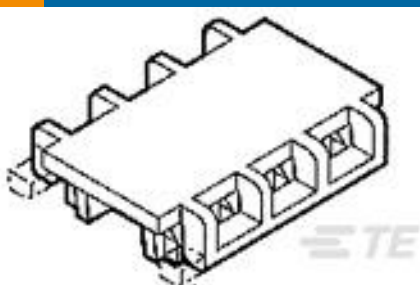
TE Part #794221-1  
MINI UMN2 SOK 22-18 AWG SN



TE Part #1-794615-8  
PANEL MT DBL ROW HSG 18 POS



TE Part #1-794616-0  
FREE HANG DBL ROW HSG 10 POS



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



TE Part #2151981-1  
OCEAN\_2.0\_APPLICATOR-S-062F125O-RSM

Documents

Product Drawings

02P MTA156 PSTD CONN ASSY WHT

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_3-641438-2\_R.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-641438-2\_R.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-641438-2\_R.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_3-641438-2\_M.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_3-641438-2\_M.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_3-641438-2\_M.2d\_dxf.zip

English

3D PDF

English



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Product Specifications

Product Specification

English

Product Specification

English

Agency Approvals

Agency Approval Document

English