



MTA 156

TE Internal #: 3-644613-3

Header, Plug, Wire-to-Board, 3 Position, 3.96 mm [.156 in]

Centerline, Printed Circuit Board, UL 94V-0, MTA 156, Rectangular

Power Connectors

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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: **3**

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

|                                       |             |
|---------------------------------------|-------------|
| Keying & Polarized Position Locations | None        |
| Number of Positions                   | 3           |
| PCB Mount Orientation                 | Right Angle |
| Number of Power Positions             | 3           |
| Number of Signal Positions            | 0           |
| Number of Rows                        | 1           |

Electrical Characteristics



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

Contact Features

|                                                         |                               |
|---------------------------------------------------------|-------------------------------|
| Mating Post Length                                      | 11.43 mm[.45 in]              |
| PCB Contact Termination Area Plating Material Thickness | 2.54 µm[100 µin]              |
| Contact Layout                                          | Inline                        |
| 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          | 3.81 – 8.89 µm[150 – 350 µin] |

Termination Features

|                                |                       |
|--------------------------------|-----------------------|
| Termination Post & Tail Length | 3.18 mm[.125 in]      |
| Termination Method to PCB      | 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   | Polarized Lock |
| Connector Mounting Type | Board Mount    |

Housing Features

|                          |                         |
|--------------------------|-------------------------|
| Right Angle Bending Side | Front                   |
| Centerline (Pitch)       | 3.96 mm[.156 in]        |
| Housing Color            | Natural                 |
| Housing Material         | Thermoplastic Polyester |

Dimensions

|                  |                  |
|------------------|------------------|
| Connector Height | 19.81 mm[.78 in] |
|------------------|------------------|



|                             |                  |
|-----------------------------|------------------|
| PCB Thickness (Recommended) | 1.57 mm[.062 in] |
|                             | .463 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                    |
| Compatible With Agency/Standards Products   | CSA, UL                       |
| Compatible With Approved Standards Products | UL E28476                     |
| UL Flammability Rating                      | UL 94V-0                      |
| Glow Wire Rating                            | Standard Part - Not Glow Wire |

Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 500 |
| Packaging Method   | Bag |

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 2024 (241)<br>Candidate List Declared Against: JAN 2024 (240)<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                                                                                                   |

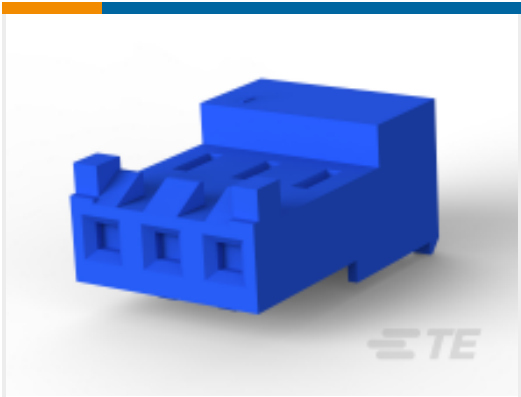
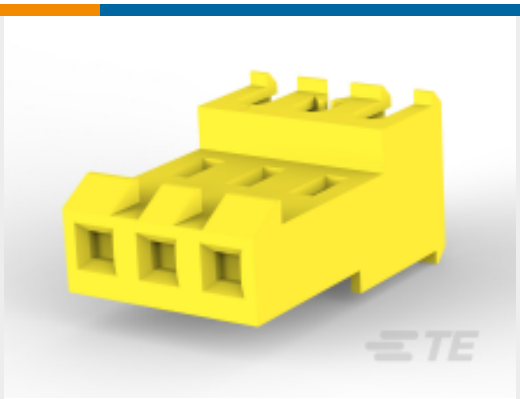
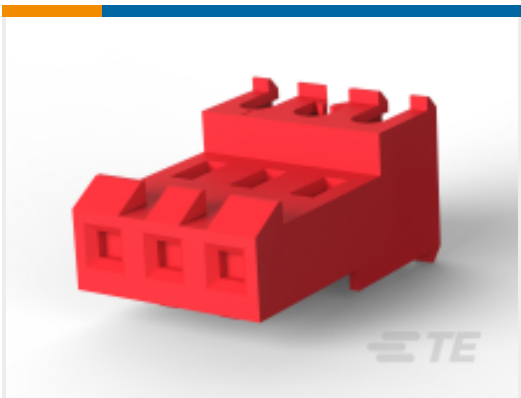
Product Compliance Disclaimer

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

|                                                                                                                                                                                          |                                                                                                                                                     |                                                                                                                                                      |                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # CAT-103156-WBHSM<br/>Receptacle Housing: Wire-to-Board, with Mating Alignment, SL156</p> |  <p>TE Part # 640251-3<br/>03P SL156 HSG W/O RAMP NATL</p>       |  <p>TE Part # 3-640429-3<br/>03P MTA156 CONN ASSY 24AWG WHT</p>  |  <p>TE Part # 3-640427-3<br/>03P MTA156 CONN ASSY 20AWG YEL</p>  |
|  <p>TE Part # 3-640599-3<br/>03P MTA156 CONN ASSY 18AWG ORA</p>                                       |  <p>TE Part # 3-643821-3<br/>03P MTA156 CONN ASSY 26AWG LF</p>  |  <p>TE Part # 3-640426-3<br/>03P MTA156 CONN ASSY 18AWG ORA</p> |  <p>TE Part # 3-640602-3<br/>03P MTA156 CONN ASSY 24AWG LF</p>  |
|  <p>TE Part # 3-644465-3<br/>03P MTA156 CONN ASSY 18AWG ORA</p>                                       |  <p>TE Part # 3-643817-3<br/>03P MTA156 CONN ASSY 18AWG ORA</p> |  <p>TE Part # 3-640600-3<br/>03P MTA156 CONN ASSY 20AWG LF</p>  |  <p>TE Part # 643071-3<br/>03P MTA156 FD-THRU COVER</p>         |
|  <p>TE Part # 3-640431-3<br/>03P MTA156 CONN ASSY 18AWG ORA</p>                                       |  <p>TE Part # 3-640601-3<br/>03P MTA156 CONN ASSY 22AWG LF</p>  |  <p>TE Part # 3-643819-3<br/>03P MTA156 CONN ASSY 22AWG RED</p> |  <p>TE Part # 3-640428-3<br/>03P MTA156 CONN ASSY 22AWG RED</p> |





TE Part # 640551-3  
03P MTA156 COVER



TE Part # 3-643818-3  
03P MTA156 CONN ASSY 20AWG YEL



TE Part # 3-640433-3  
03P MTA156 CONN ASSY 22AWG RED



TE Part # 643067-3  
03P MTA156 MOLDED COVER

Also in the Series | MTA 156



Connector Caps & Covers(89)



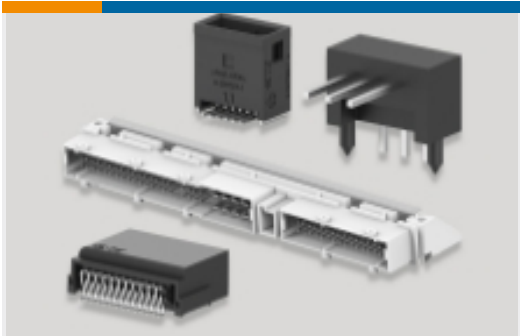
Connector Contacts(4)



Connector Hardware(2)



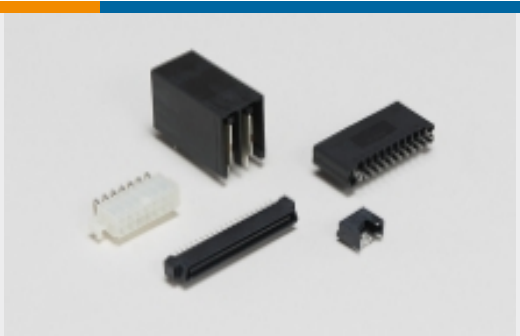
Insertion & Extraction Tools(1)



PCB Headers & Receptacles(317)



Rectangular Power Connectors(691)



Standard Rectangular Connectors(336)

Customers Also Bought



TE Part #5499910-9  
A/L UNIV HDR 40P VERT SHT LAT



TE Part #3-647630-4  
04P MTA100 HRD ASSY F/L LF



TE Part #1721539-5  
OJE-SS-112HM2,000



TE Part #1-1622820-2  
3520 180R 5%



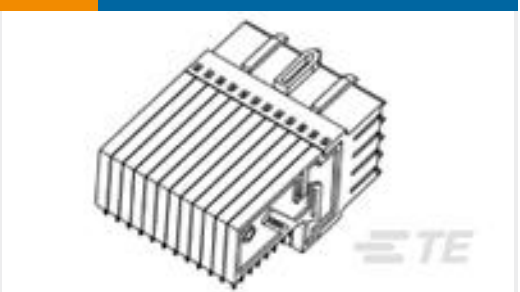
TE Part #1735446-5  
2MM PITCH HPI POST HEADER,  
VERTICAL, 5P



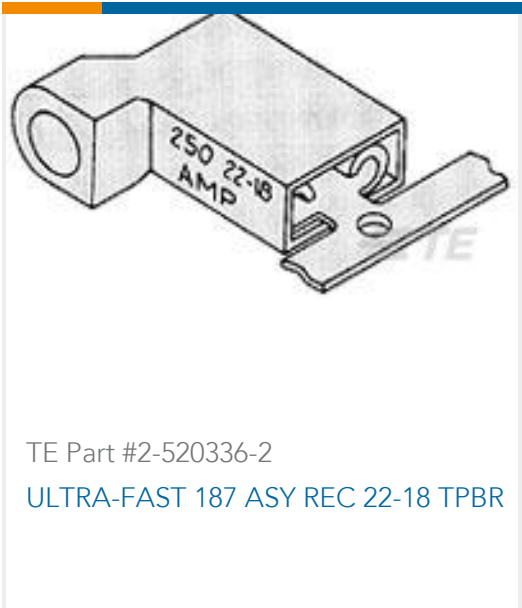
TE Part #5650933-5  
ASSY,PIN,EUROCARD,TYPE R,LEAD-



TE Part #1734037-4  
Champ 050 series,40pos,Au over PdNi



TE Part #1982738-1  
Female Connector Telcordia



Documents

Product Drawings

03P MTA156 HDR RA PO WO PEG LF

English

CAD Files

Customer View Model

ENG\_CVM\_3-644613-3\_E.2d\_dxf.zip

English

3D PDF

English

Customer View Model

ENG\_CVM\_3-644613-3\_E.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_3-644613-3\_E.3d\_stp.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_3-644613-3\_D.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-644613-3\_D.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-644613-3\_D.3d\_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

CSA Certificate

English



CSA Certificate

English