



MTA 156

TE Internal #: 644590-1  
Rectangular Power Connectors, Header, Plug, Wire-to-Board, 8  
Position, 3 mm [.118 in] Centerline, Printed Circuit Board, UL 94V-0,  
MTA 156

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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: **8**

Centerline (Pitch): **3 mm [.118 in]**

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Header Type                       | Fully 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

|                           |             |
|---------------------------|-------------|
| Number of Positions       | 8           |
| PCB Mount Orientation     | Right Angle |
| Number of Power Positions | 8           |
| Number of Rows            | 2           |

Electrical Characteristics

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

Contact Features



|                                                         |                               |
|---------------------------------------------------------|-------------------------------|
| Mating Post Length                                      | 7.11 mm[.28 in]               |
| PCB Contact Termination Area Plating Material Thickness | 3.81 – 8.89 µm[150 – 350 µin] |
| Contact Layout                                          | Inline                        |
| 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)                            | 9 A                           |
| Contact Retention Within Housing                        | Without                       |
| Contact Type                                            | Pin                           |
| PCB Contact Termination Area Plating Material           | Tin                           |
| Contact Mating Area Plating Material Thickness          | 150 – 350 µm[3.81 – 8.89 µin] |

Termination Features

|                                             |                       |
|---------------------------------------------|-----------------------|
| Termination Post & Tail Length              | 3.81 mm[.15 in]       |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

|                         |             |
|-------------------------|-------------|
| Strain Relief           | Without     |
| Mating Retention        | Without     |
| Mating Alignment        | Without     |
| PCB Mount Alignment     | Without     |
| Panel Mount Feature     | Without     |
| PCB Mount Retention     | Without     |
| Connector Mounting Type | Board Mount |

Housing Features

|                    |                |
|--------------------|----------------|
| Centerline (Pitch) | 3 mm[.118 in]  |
| Housing Color      | Natural        |
| Housing Material   | Polyester - GF |

Dimensions

|                    |                  |
|--------------------|------------------|
| Product Length     | 23.88 mm[.94 in] |
| Row-to-Row Spacing | 1.35 mm[.053 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                    |
| Agency/Standard        | CSA, UL                       |
| Approved Standards     | UL E28476                     |
| UL Flammability Rating | UL 94V-0                      |
| Glow Wire Rating       | Standard Part - Not Glow Wire |

Packaging Features

|                    |                  |
|--------------------|------------------|
| Packaging Quantity | 100              |
| Packaging Method   | Box & Tray, Tray |

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                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                  |
| Solder Process Capability                     | Wave solder capable to 240°C                                                                                                    |

Product Compliance Disclaimer

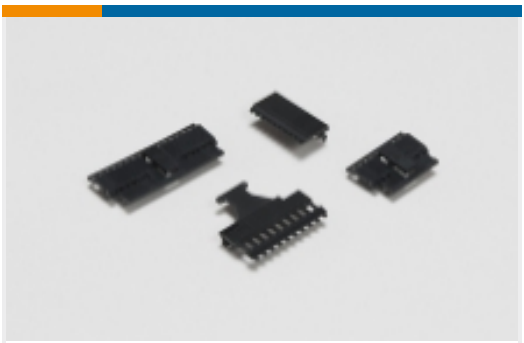
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

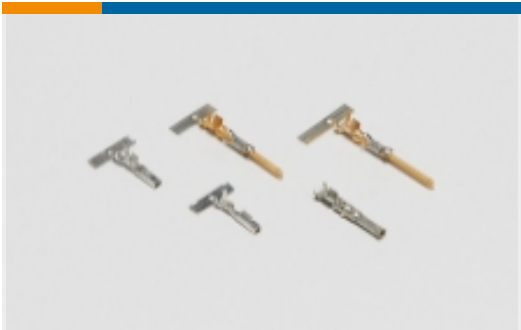
|                                                                                                                                                                                         |                                                                                                                                                  |                                                                                                                                                      |                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # CAT-103156-WBHSM<br/>Receptacle Housing: Wire-to-Board, with Mating Alignment, SL156</p> |  <p>TE Part # 640383-7<br/>07P MTA156 HDR ASSY STR SQ SN</p>   |  <p>TE Part # 640383-8<br/>08P MTA156 HDR ASSY STR SQ SN</p>      |  <p>TE Part # 644968-4<br/>08P MTA156 HDR ASSY OMIT#5,7</p> |
|  <p>TE Part # 640383-3<br/>03P MTA156 HDR ASSY STR SQ SN</p>                                          |  <p>TE Part # 640383-4<br/>04P MTA156 HDR ASSY STR SQ SN</p>  |  <p>TE Part # 640383-9<br/>09P MTA156 HDR ASSY STR SQ SN</p>     |  <p>TE Part # 640551-8<br/>08P MTA156 COVER</p>            |
|  <p>TE Part # 640385-8<br/>08P MTA156 HDR ASSY SQ R/A</p>                                            |  <p>TE Part # 643071-8<br/>08P MTA156 FD-THRU COVER</p>      |  <p>TE Part # 3-644754-8<br/>08P MTA156 HDR ASSY SQ R/A F/L</p> |  <p>TE Part # 643067-8<br/>08P MTA156 MOLDED COVER</p>    |
|  <p>TE Part # 640643-8<br/>08P MTA156 COVER F/T</p>                                                  |  <p>TE Part # 2-647125-4<br/>04P MTA156 SHRD HDR ASSY LF</p> |  <p>TE Part # 3-647180-8<br/>08P MTA156 HDR ASSY W/O#7 LF</p>   |                                                                                                                                                |

Also in the Series | MTA 156

|                                                                                                                                |                                                                                                                      |                                                                                                                      |                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
|  <p>Insertion &amp; Extraction Tools(1)</p> |  <p>PCB Connector Covers(88)</p> |  <p>PCB Connector Keying(2)</p> |  <p>PCB Connector Mounting(1)</p> |
|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|



PCB Headers & Receptacles(314)



Power Contacts(2)



Rectangular Power Connectors(698)



Standard Rectangular Connectors(337)



Wire-to-Board Connector Contacts(2)

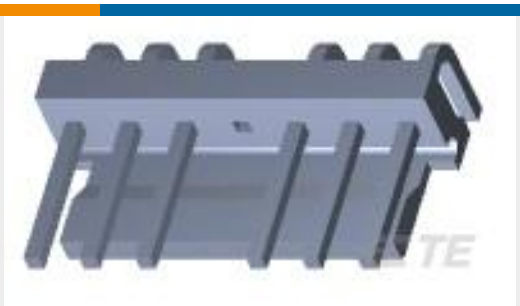
Customers Also Bought



TE Part #770849-4  
04P SL156 HSG W/LCK RMP & TABS



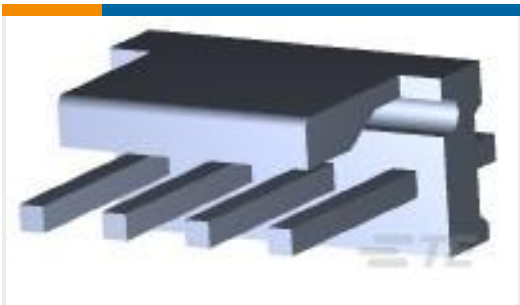
TE Part #3-1879073-6  
THS10 220R 5%



TE Part #644699-2  
07P MTA156 HDR ASSY R/A W/O#4



TE Part #1-1393238-9  
RTB14024



TE Part #3-641208-4  
04P MTA156 HDR ASSY FL ST 30AU



TE Part #1-1393249-8  
W58-XB1A4A-4=W58



TE Part #4-1393249-9  
W58-XC4C12A-5=W58



TE Part #1825910-2  
FSM2JH=6MM TACT SWITCH, HIGH TEMP



TE Part #641876-3  
12P MTA156 HDR ASSY FL STR SN



TE Part #1-103648-9  
20 MTE RCPT HSG SR RIB .100CL

Documents



Product Drawings

08P DUAL ROW R/A SHRD HDR SPCL

English

CAD Files

Customer View Model

ENG\_CVM\_644590-1\_F.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_644590-1\_F.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_644590-1\_F.2d\_dxf.zip

English

3D PDF

English

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Product Specifications

Application Specification

English

Agency Approvals

CSA Certificate

English