



MTA 156

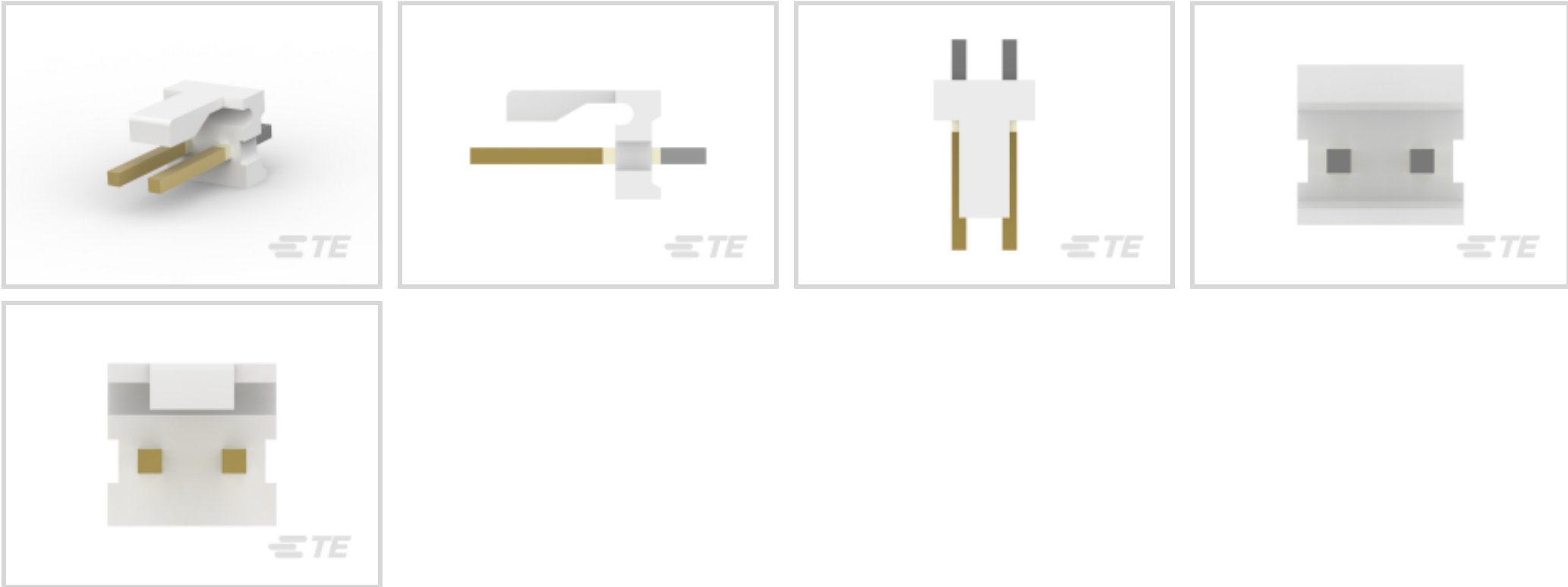
TE Internal #: 3-641119-2

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 2

Position, 3.96 mm [.156 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: **2**

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

|                           |          |
|---------------------------|----------|
| Number of Positions       | 2        |
| PCB Mount Orientation     | Vertical |
| Number of Power Positions | 2        |
| Number of Rows            | 1        |

Electrical Characteristics

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

Contact Features



|                                                         |                  |
|---------------------------------------------------------|------------------|
| Mating Post Length                                      | 10.16 mm[.4 in]  |
| PCB Contact Termination Area Plating Material Thickness | 2.54 μm[100 μin] |
| Contact Layout                                          | Inline           |
| Contact Underplating Material Thickness                 | 1.27 μm[50 μin]  |
| Contact Mating Area Plating Material                    | Gold             |
| 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          | .38 μm[15 μin]   |

Termination Features

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

Housing Features

|                    |                  |
|--------------------|------------------|
| Centerline (Pitch) | 3.96 mm[.156 in] |
| Housing Color      | Natural          |
| Housing Material   | Polyester - GF   |

Dimensions

|                             |                   |
|-----------------------------|-------------------|
| Connector Height            | 10.79 mm[.425 in] |
| PCB Thickness (Recommended) | 1.57 mm[.062 in]  |
| Product 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, 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 | 1250    |
| 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: 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 265°C                                                                                                    |

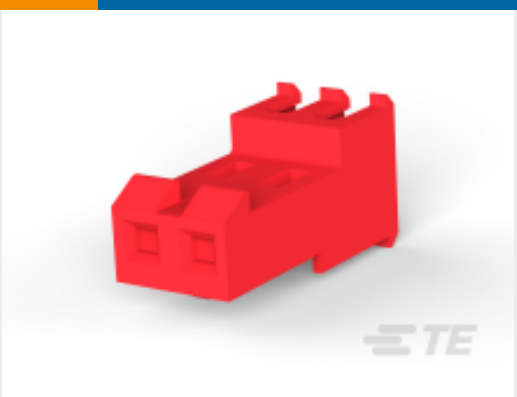
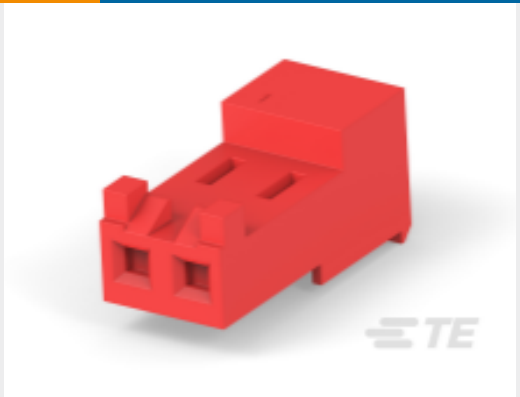
Product Compliance Disclaimer

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 # 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 # 643071-2<br/>02P MTA156 FD-THRU COVER</p>                                              |  <p>TE Part # 640251-2<br/>02P SL156 HSG W/O RAMP NATL</p>       |  <p>TE Part # 3-644284-2<br/>02P MTA156 ASSY 18AWG ORA LF</p> |  <p>TE Part # 3-641170-2<br/>02P MTA156 ASSY 22AWG RED LF</p>   |
|  <p>TE Part # 641533-1<br/>02P MTA156 CONN HSG,END CAP</p>                                           |  <p>TE Part # 3-641148-2<br/>02P MTA156 ASSY 18AWG ORA LF</p>    |  <p>TE Part # 3-641150-2<br/>02P MTA156 ASSY 22AWG RED LF</p> |  <p>TE Part # 3-641151-2<br/>02P MTA156 ASSY 24AWG WHT LF</p>   |
|  <p>TE Part # 3-641168-2<br/>02P MTA156 ASSY 18AWG ORA LF</p>                                        |  <p>TE Part # 3-644755-2<br/>02P MTA156 HDR ASSY SQ RARB F/L</p> |  <p>TE Part # 3-647478-2<br/>02P MTA156 ASSY 22AWG RED LF</p> |  <p>TE Part # 3-647479-2<br/>02P MTA156 CONN ASSY 18AWG ORA</p> |

Also in the Series | MTA 156



Connector Caps & Covers(89)



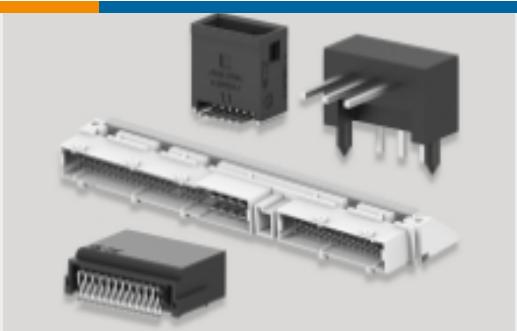
Connector Contacts(4)



Connector Hardware(2)



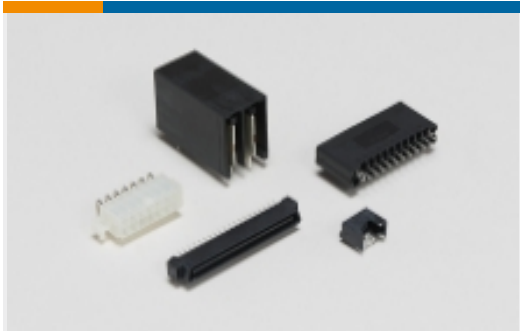
Insertion & Extraction Tools(1)



PCB Headers & Receptacles(314)



Rectangular Power Connectors(691)



Standard Rectangular Connectors(336)

Customers Also Bought



TE Part #2198230-1  
SFP+ Enhanced 1x2, PCI Heatsink



TE Part #2-2013022-1  
EMBOSS TAPE DDR3 204P 4H STD



TE Part #6-1879213-0  
CPF 0402 115R 0.1% 25PPM 1K RL



TE Part #5-1879214-4  
CPF 0402 1K24 0.1% 25PPM 1K RL



TE Part #8-1879213-3  
CPF 0402 215R 0.1% 25PPM 1K RL



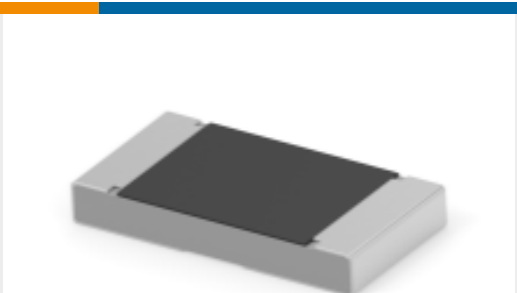
TE Part #1-2373376-2  
12P,2MM,SHRD HDR,DRV,T,SMD,0.1 AU,TB



TE Part #2170812-1  
CAGE ASSEMBLY, 1X2, QSFP28, GASKET, HS



TE Part #2294408-1  
ZSFP+ 1X8 CAGE ASSY, PRESS-FIT, LP, HS



TE Part #4-2176527-2  
3503G 2B 1K47 1% 5K RL

Documents



Product Drawings

02P MTA156 HDR ASSY FL/ST LF

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_3-641119-2\_AF.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_3-641119-2\_AF.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-641119-2\_AF.3d\_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

CSA Certificate

English