

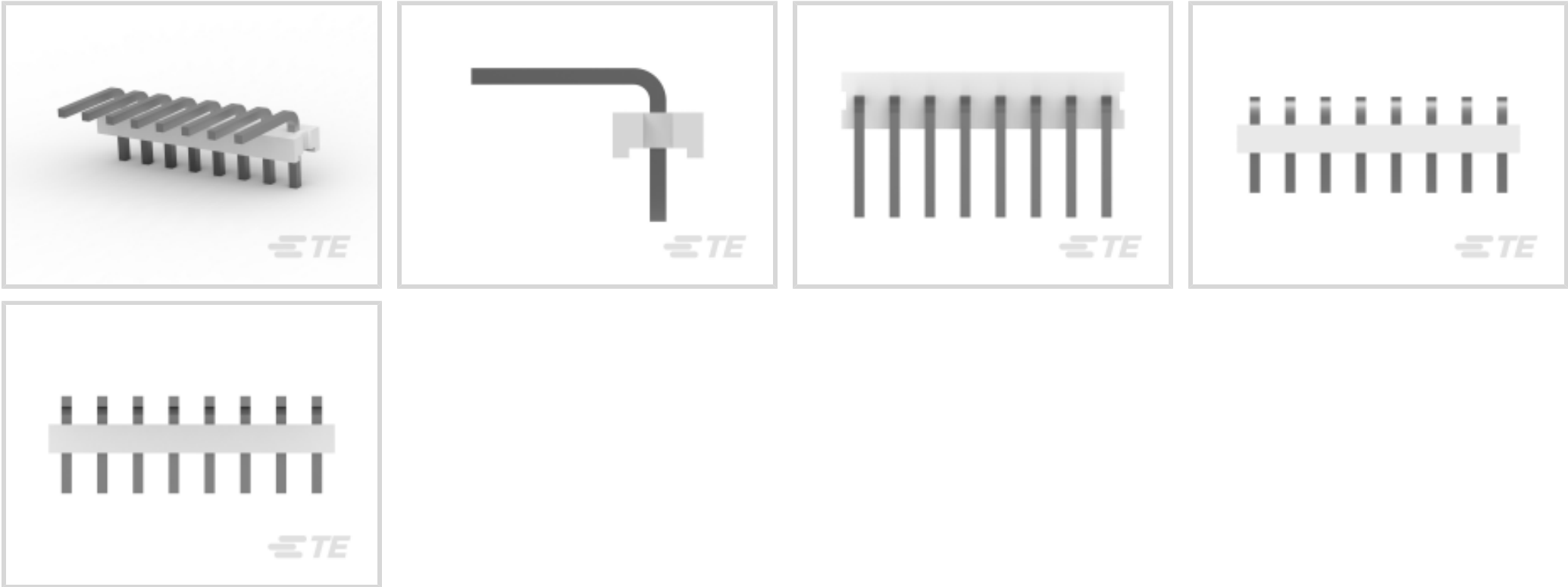


MTA 156

TE Internal #: 644751-8  
PCB Mount Header, Right Angle, Wire-to-Board, 8 Position, 3.96 mm [.156 in] Centerline, Unshrouded, Tin (Sn), Through Hole - Solder, Power, MTA 156

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**  
PCB Mount Orientation: **Right Angle**  
Connector System: **Wire-to-Board**  
Number of Positions: **8**  
Centerline (Pitch): **3.96 mm [.156 in]**

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| PCB Connector Type                | PCB Mount Header      |
| Connector System                  | Wire-to-Board         |
| Header Type                       | Unshrouded            |
| Sealable                          | No                    |
| Connector & Contact Terminates To | Printed Circuit Board |
| Connector Product Type            | Connector Assembly    |

Configuration Features

|                       |             |
|-----------------------|-------------|
| Number of Columns     | 8           |
| PCB Mount Orientation | Right Angle |
| Number of Positions   | 8           |
| Number of Rows        | 1           |

Electrical Characteristics

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

Body Features



|                       |         |
|-----------------------|---------|
| Primary Product Color | Natural |
|-----------------------|---------|

Contact Features

|                                                         |                  |
|---------------------------------------------------------|------------------|
| Contact Underplating Material                           | Nickel           |
| Contact Underplating Material Thickness                 | 1.27 μm[50 μin]  |
| PCB Contact Termination Area Plating Material Finish    | Matte            |
| Mating Square Post Dimension                            | 1.14 mm[.045 in] |
| PCB Contact Termination Area Plating Material Thickness | 2.54 μm[100 μin] |
| Contact Shape & Form                                    | Square           |
| Contact Layout                                          | Inline           |
| Contact Mating Area Length                              | 9.91 mm[.39 in]  |
| Contact Base Material                                   | Copper Alloy     |
| Contact Mating Area Plating Material                    | Tin (Sn)         |
| Contact Mating Area Plating Material Finish             | Matte            |
| Contact Mating Area Plating Material Thickness          | 2.54 μm[100 μin] |
| Contact Type                                            | Pin              |
| Contact Current Rating (Max)                            | 7 A              |
| PCB Contact Termination Area Plating Material           | Tin              |

Termination Features

|                                          |                       |
|------------------------------------------|-----------------------|
| Termination Post & Tail Length           | 4.45 mm[.175 in]      |
| Square Termination Post & Tail Dimension | 1.14 mm[.045 in]      |
| Termination Method to PCB                | Through Hole - Solder |

Mechanical Attachment

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

Housing Features

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

Dimensions

|  |  |
|--|--|
|  |  |
|--|--|



|                             |                   |
|-----------------------------|-------------------|
| Connector Width             | 16.26 mm[.64 in]  |
| PCB Thickness (Recommended) | 2.77 mm[.109 in]  |
| Connector Height            | 6.28 mm[.247 in]  |
| Connector Length            | 31.7 mm[1.248 in] |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

|                     |       |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

Industry Standards

|                                             |                       |
|---------------------------------------------|-----------------------|
| Compatible With Agency/Standards Products   | CSA, UL               |
| Compatible With Approved Standards Products | CSA LR7189, UL E28476 |
| UL Flammability Rating                      | UL 94V-0              |

Packaging Features

|                    |         |
|--------------------|---------|
| Packaging Quantity | 1       |
| 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 | 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold                                                                         |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<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                                                                                                    |

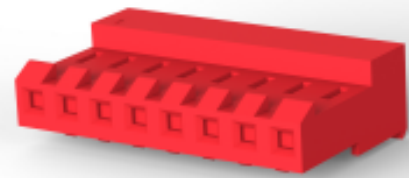
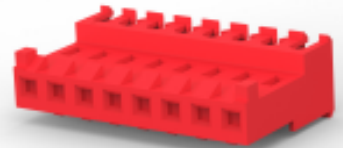
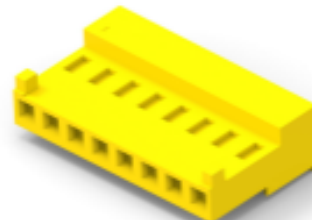
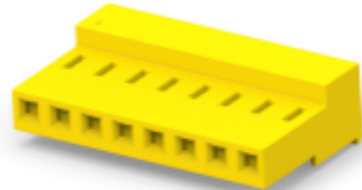
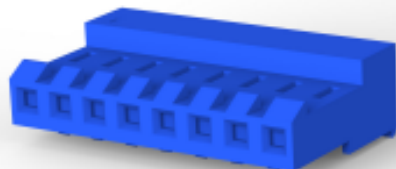
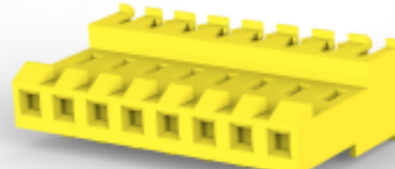
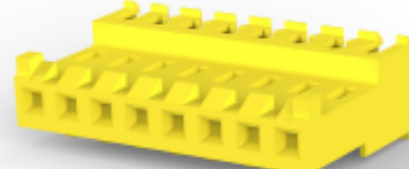
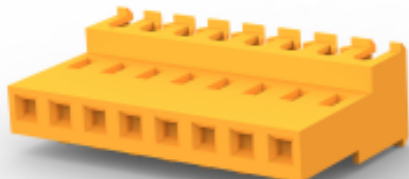
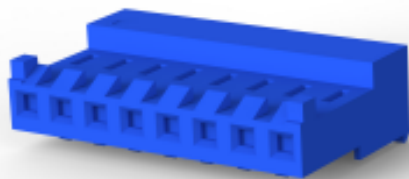
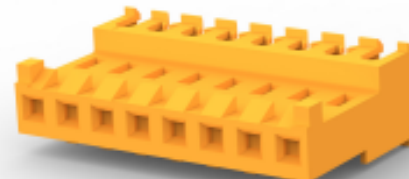
Product Compliance Disclaimer

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 # 3-640428-8<br/>08P MTA156 CONN ASSY 22AWG RED</p>   |  <p>TE Part # 3-640429-8<br/>08P MTA156 CONN ASSY 24AWG WHT</p>                                         |  <p>TE Part # 640643-8<br/>08P MTA156 COVER F/T</p>              |  <p>TE Part # 3-643820-8<br/>08P MTA156 CONN ASSY 24AWG LF</p>    |
|  <p>TE Part # 3-644467-8<br/>08P MTA156 CONN ASSY 22AWG LF</p>  |  <p>TE Part # CAT-103156-WBHS<br/>Receptacle Housing: Wire-to-Board, with Mating Alignment, SL156</p> |  <p>TE Part # 3-644462-8<br/>08P MTA156 CONN ASSY 20AWG LF</p> |  <p>TE Part # 3-643817-8<br/>08P MTA156 CONN ASSY 18AWG ORA</p> |
|  <p>TE Part # 3-640432-8<br/>08P MTA156 CONN ASSY 20AWG YEL</p> |  <p>TE Part # 3-640430-8<br/>08P MTA156 CONN ASSY 26AWG BLU</p>                                       |  <p>TE Part # 3-640600-8<br/>08P MTA156 CONN ASSY 20AWG LF</p> |  <p>TE Part # 3-644466-8<br/>08P MTA156 CONN ASSY 20AWG YEL</p> |
|  <p>TE Part # 3-640604-8<br/>08P MTA156 CONN ASSY 18AWG LF</p>  |  <p>TE Part # 3-643821-8<br/>08P MTA156 CONN ASSY 26AWG LF</p>                                        |  <p>TE Part # 3-644860-8<br/>08P MTA156 CONN ASSY 18AWG LF</p> |  <p>TE Part # 3-644465-8<br/>08P MTA156 CONN ASSY 18AWG ORA</p> |



TE Part # 3-640427-8  
08P MTA156 CONN ASSY 20AWG YEL

TE Part # 3-640426-8  
08P MTA156 CONN ASSY 18AWG ORA

TE Part # 3-640599-8  
08P MTA156 CONN ASSY 18AWG ORA

TE Part # 3-640602-8  
08P MTA156 CONN ASSY 24AWG LF

Also in the Series | MTA 156

Connector Contacts(4)

Connector Hardware(2)

PCB Headers & Receptacles(677)

Power Contacts(3)

Rectangular Power Connectors(1178)

Standard Rectangular Connectors(667)

Wire-to-Board Connector Assemblies & Housings(594)

Customers Also Bought

TE Part #A07919-000  
T1K-254064-10-9

TE Part #4-644892-2  
12P CST100 SHRD HDR ASSY LF

TE Part #1-2157481-3  
AMPLIMITE IP67, SZ3, 109, 25 POS, RCPT

TE Part #1-2176392-4  
RQ 1206 182K 0.1% 10PPM 5K RL

TE Part #YDTS26G17-35SCV001  
PLUG ASSY

TE Part #8-2176305-9  
RP 1E 0.1W 887R 0.1% 25PPM 5K RL

TE Part #5-1437402-1  
L91=MOUNTING CLIP

TE Part #4-2176389-0  
RQ 1206 274R 0.1% 10PPM 5K RL



Documents

Product Drawings

08P MTA156 HDR ASSY R/A

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_644751-8\_B.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_644751-8\_B.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_644751-8\_B.3d\_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

Agency Approval Document

English