# 3-644754-2 ✔ ACTIVE

MTA 156

TE Internal #: 3-644754-2

PCB Mount Header, Right Angle, Wire-to-Board, 2 Position, 3.96 mm [.156 in] Centerline, Partially Shrouded, Tin (Sn), Through Hole - Solder, MTA 156

View on TE.com >

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: **2**

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

## Features

### Product Type Features

| | |
|---|---|
| Mixed & Hybrid Header | No |
| Connector Shape | Rectangular |
| PCB Connector Type | PCB Mount Header |
| Connector System | Wire-to-Board |
| Header Type | Partially Shrouded |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |
| Connector Product Type | Connector Assembly |

### Configuration Features

| | |
|---|---|
| Connector Contact Load Condition | Fully Loaded |
| Number of Columns | 2 |
| Number of Loaded Positions | 2 |
| PCB Mount Orientation | Right Angle |
| Number of Positions | 2 |

| | |
|---|---|
| Number of Rows | 1 |
| Number of Power Positions | 2 |

## 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] |
| Contact Size | 1.14mm |
| Mating Square Post Dimension | 1.14 mm[.045 in] |
| Contact Base Material | Copper Alloy |
| PCB Contact Termination Area Plating Material Finish | Matte |
| PCB Contact Termination Area Plating Material Thickness | 3.81 – 8.89 µm[150 – 350 µin] |
| Contact Shape & Form | Square |
| Contact Layout | Inline |
| Contact Mating Area Length | 10.16 mm[.4 in] |
| Contact Mating Area Plating Material | Tin (Sn) |
| Contact Mating Area Plating Material Finish | Matte |
| Contact Mating Area Plating Material Thickness | 3.81 – 8.89 µm[150 – 350 µin] |
| Contact Type | Tab |
| Contact Current Rating (Max) | 14.24 A |
| PCB Contact Termination Area Plating Material | Tin |

## Termination Features

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

## Mechanical Attachment

| | |
|---|---|
| Panel Mount Feature | Without |
| Mating Retention Type | Friction Lock |
| PCB Mount Alignment | Without |
| Mating Retention | With |

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

### Housing Features

| | |
|---|---|
| Mating Entry Location | Side |
| Right Angle Bending Side | Front |
| Centerline (Pitch) | 3.96 mm[.156 in] |
| Housing Material | Thermoplastic Polyester GF |

### Dimensions

| | |
|---|---|
| Connector Width | 10.79 mm[.425 in] |
| Connector Height | 7.62 mm[.3 in] |
| Connector Length | 7.92 mm[.312 in] |
| PCB Thickness (Recommended) | 2.36 – 3.18 mm[.093 – .125 in] |

### Usage Conditions

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

### Operation/Application

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

### Industry Standards

| | |
|---|---|
| Compatible With Agency/Standards Products | CSA, UL |
| UL Rating | Recognized |
| Compatible With Approved Standards Products | UL E28476 |
| Glow Wire Rating | Standard Part - Not Glow Wire |
| UL Flammability Rating | UL 94V-0 |

### Packaging Features

| | |
|---|---|
| Packaging Quantity | 500 |
| Packaging Method | Box |

## 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 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



TE Part # 640643-2
02P MTA156 COVER F/T



TE Part # 640551-2
02P MTA156 COVER



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



TE Part # 3-643817-9
09P MTA156 CONN ASSY 18AWG LF



TE Part # 3-644755-2
02P MTA156 HDR ASSY SQ RARB F/L



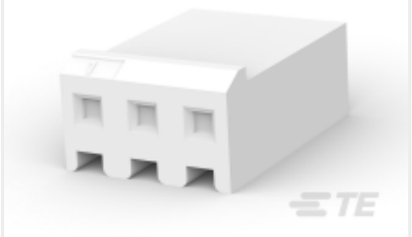
TE Part # 643067-2
02P MTA156 MOLDED COVER



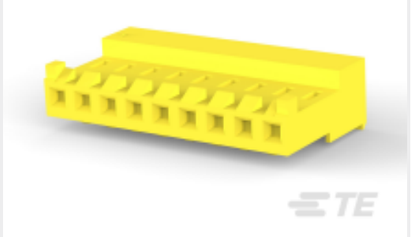
TE Part # 3-643820-9
09P MTA156 CONN ASSY 24AWG LF



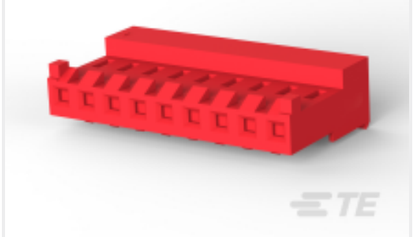
TE Part # 641533-1
02P MTA156 CONN HSG,END CAP



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



TE Part # 3-643818-9
09P MTA156 CONN ASSY 20AWG YEL



TE Part # 3-643819-9
09P MTA156 CONN ASSY 22AWG RED

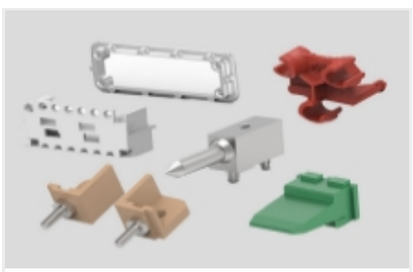
## Also in the Series | MTA 156



Connector Caps & Covers(89)



Connector Contacts(4)



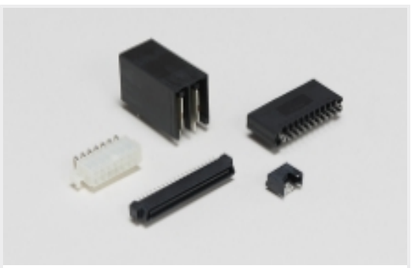
Connector Hardware(2)



Power Contacts(3)



Rectangular Power Connectors(1178)



Standard Rectangular Connectors(667)



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

## Customers Also Bought



TE Part #3-644456-3
03P MTA100 HDR ASSY (NARROW)



TE Part #3-644754-6
06P MTA156 HDR ASSY SQ R/A F/L



TE Part #3-644754-8
08P MTA156 HDR ASSY SQ R/A F/L



TE Part #1-770166-1
02P MINI UMNL ASSY VO SNAU LF



TE Part #4-1393789-3
V23079D2001B301



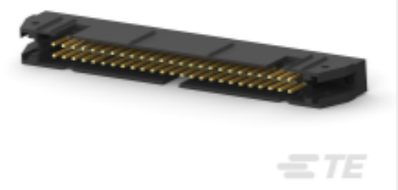
TE Part #1775134-1
MOD JACK, RJ45, SINGLE, 6u" Au



TE Part #1977223-6
FSM2JSMAASTR=6MM TACT SWITCH,



TE Part #2176331-9
CRGP 2512 47R 1%



TE Part #CAT-AM74-UN384H
AMP-LATCH UNIVERSAL HEADERS

## Documents

### Product Drawings

02P MTA156 HDR ASSY SQ R/A F/L

English

### CAD Files

Customer View Model

ENG_CVM_CVM_3-644754-2_C.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-644754-2_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-644754-2_C.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

### Product Specifications

Application Specification

English

### Agency Approvals

Agency Approval Document

English