# 644029-1 ✔ ACTIVE

MTA 156

TE Internal #: 644029-1

PCB Mount Header, Vertical, Wire-to-Board, 14 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: **Vertical**

Connector System: **Wire-to-Board**

Number of Positions: **14**

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 | Selectively Loaded |
| Number of Columns | 14 |
| Number of Loaded Positions | 13 |
| PCB Mount Orientation | Vertical |
| Number of Positions | 14 |

| | |
|---|---|
| Number of Rows | 1 |
| Number of Power Positions | 13 |

## 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 Thickness | 2.54 µm[100 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 Thickness | 2.54 µm[100 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 | 3.18 mm[.125 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 | Top |
| Centerline (Pitch) | 3.96 mm[.156 in] |
| Housing Material | Thermoplastic Polyester GF |

### Dimensions

| | |
|---|---|
| Connector Width | 7.62 mm[.3 in] |
| Connector Height | 10.79 mm[.425 in] |
| Connector Length | 55.47 mm[2.184 in] |
| PCB Thickness (Recommended) | 1.57 – 2.36 mm[.062 – .093 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 | 1000 |
| Packaging Method | Package |

### Other

| | |
|---|---|
| Position Locations Omitted | 8 |
| Number of Blocked Positions | 1 |

## 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



TE Part # 1-643071-4
14P MTA156 FD-THRU COVER



TE Part # 644354-4
04P MTA156 HDR ASSY F/L STR SN



TE Part # 4-643817-4
14P MTA156 CONN ASSY 18AWG LF



TE Part # 4-643819-4
14P MTA156 CONN ASSY 22AWG LF



TE Part # 640629-1
MTA156 KEYING PLUG



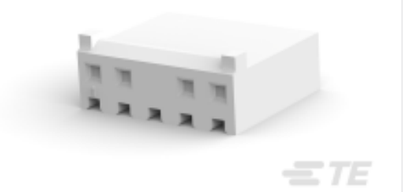
TE Part # 4-643818-4
14P MTA156 CONN ASSY 20AWG YEL



TE Part # 1-640643-4
14P MTA156 COVER F/T



TE Part # 1-640445-4
14P MTA156 HDR ASSY FL/STR SN



TE Part # CAT-103156-WBHSN
Receptacle Housing: Wire-to-Board, no Mating Alignment, SL 156



TE Part # 1-643067-4
14P MTA156 MOLDED COVER



TE Part # 1-640551-4
14P MTA156 COVER

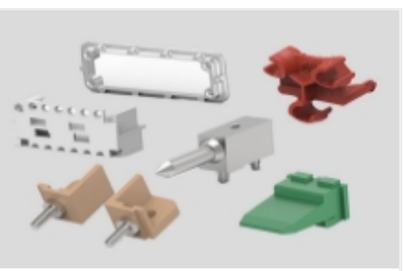
## Also in the Series | MTA 156



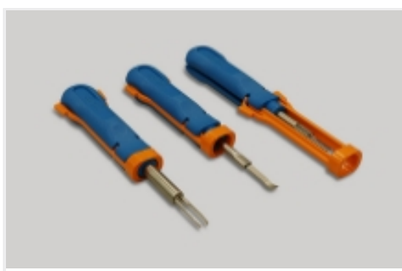
Connector Caps & Covers(89)



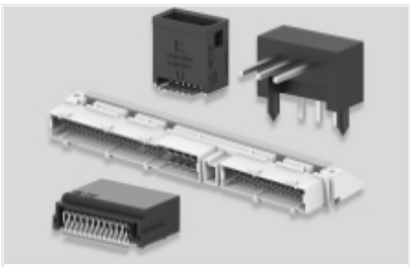
Connector Contacts(4)



Connector Hardware(2)



Insertion & Extraction Tools(1)



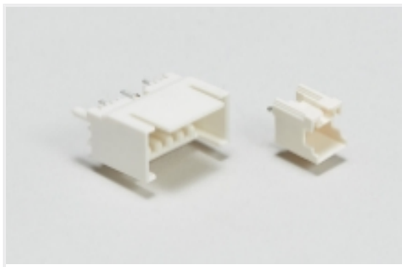
PCB Headers & Receptacles(677)



Power Contacts(3)



Rectangular Power Connectors(1178)



Wire-to-Board Headers & Receptacles (677)

## Customers Also Bought



TE Part #60774-2
SPADE TERMINAL 18-14 AWG TPBR



TE Part #60878-2
250 FASTON REC 22-18 AWG TPBR



TE Part #61795-3
RING 18-14 AWG TPBR



TE Part #63130-2
SPLICE REC. 1500-5000 .020 BR



TE Part #141879-1
250 FASTON,TAB,BR



TE Part #174777-1
PL 110 REC 20-16 AWG 0.25 X 10.4 PTBR



TE Part #1-640445-1
11P MTA156 HDR ASSY FL/STR SN



TE Part #1-640456-1
11P MTA100 HDR ASSY F/L SQ STR



TE Part #3-1393104-2
KRPA-11AN-120=KRPA



TE Part #7-1625890-2
2W SM M/OX 5% 8K2

## Documents

### Product Drawings

14P MTA156 HDR ASSY W/O#8

English

### CAD Files

Customer View Model

ENG_CVM_CVM_644029-1_H.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_644029-1_H.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_644029-1_H.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