# 2-640383-4 ✔ ACTIVE

MTA 156

TE Internal #: 2-640383-4

PCB Mount Header, Vertical, Wire-to-Board, 24 Position, 3.96 mm [.156 in] Centerline, Unshrouded, Tin (Sn), Through Hole - Solder, Power, 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: **24**

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 | Unshrouded |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |
| Connector Product Type | Connector Assembly |

### Configuration Features

| | |
|---|---|
| Number of Columns | 24 |
| Number of Loaded Positions | 24 |
| Connector Contact Load Condition | Fully Loaded |
| PCB Mount Orientation | Vertical |
| Number of Positions | 24 |

| | |
|---|---|
| Number of Rows | 1 |
| Number of Power Positions | 24 |

## 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] |
| 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 Base Material | Copper Alloy |
| 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

| | |
|---|---|
| Termination Post & Tail Length | 3.18 mm[.125 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

| | |
|---|---|
| Mating Entry Location | Top |
| Centerline (Pitch) | 3.96 mm[.156 in] |
| Housing Material | Thermoplastic Polyester GF |

## Dimensions

| | |
|---|---|
| Connector Width | 6.35 mm[.25 in] |
| PCB Thickness (Recommended) | 1.57 mm[.062 in] |
| Connector Height | 13.34 mm[.525 in] |
| Connector Length | 95.1 mm[3.744 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 | 250 |
| 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) |

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

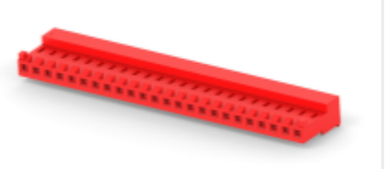
## Compatible Parts



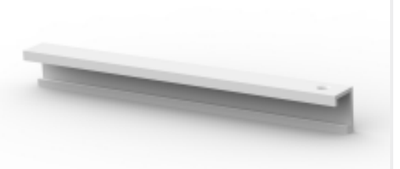
TE Part # 5-643817-4
24P MTA156 CONN ASSY 18AWG LF



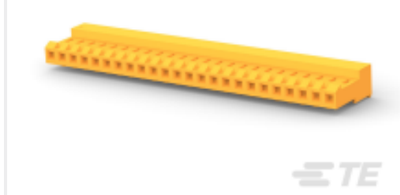
TE Part # 2-640251-4
24P SL156 HSG W/O LCK RAMP



TE Part # 5-643819-4
24P MTA156 CONN ASSY 22AWG LF



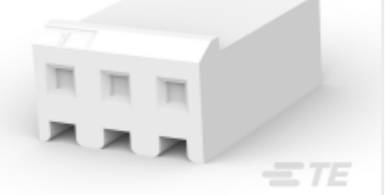
TE Part # 2-640551-4
24P MTA156 COVER



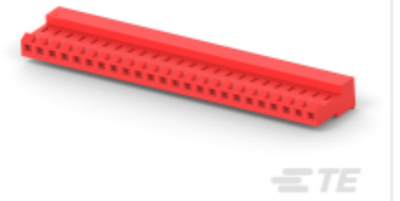
TE Part # 5-640426-4
24P MTA156 CONN ASSY 18AWG ORA



TE Part # 5-640480-4
24 CIR MTS .156 ASSY LF



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



TE Part # 5-640428-4
24P MTA156 CONN ASSY 22AWG RED



TE Part # 2-643067-4
24P MTA156 MOLDED COVER



TE Part # 2-643071-4
24P MTA156 FD-THRU COVER

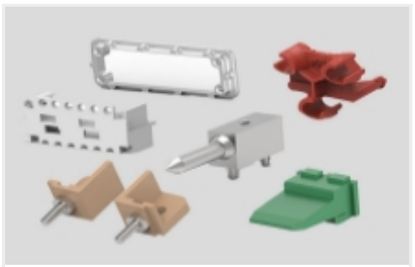
## Also in the Series | MTA 156



Connector Caps & Covers(89)



Connector Contacts(4)



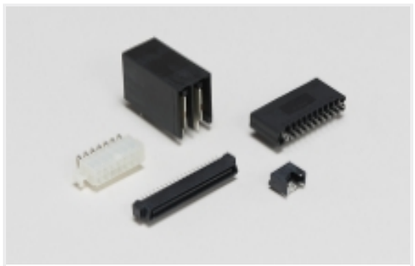
Connector Hardware(2)



Power Contacts(3)



Rectangular Power Connectors(1178)

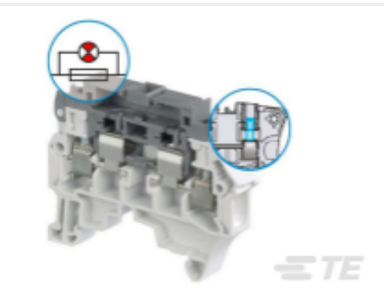


Standard Rectangular Connectors(667)



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

## Customers Also Bought



TE Part #1SNK508413R0000
ZS4-SF1-R2



TE Part #ANT-433-CW-HD-SMA
Antenna 1/4 Wave HD Whip 433MHz SMA



TE Part #6-1415036-1
PTML0524



TE Part #3-1462037-0
IM07TS=IM RELAY 200mW 24V



TE Part #1622488-1
LR1 1% 47K



TE Part #1658612-3
15 POS HDF RCPT, MS, LEAD FREE



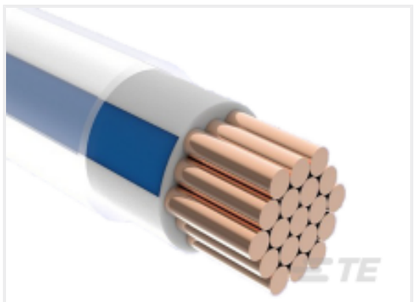
TE Part #1658621-3
16 NOVO MIL/CTR 15DP,LEAD FREE



TE Part #5103308-6
A/L LOW PRO HDR 26P VERT BLACK



TE Part #5103309-5
A/L LOW PRO HDR 20P VERT BLACK



TE Part #4569203001
ACW0219-0.50-9(NS)

## Documents

## Product Drawings

24P MTA156 HDR ASSY STR SQ SN

English

## CAD Files

### Customer View Model

ENG_CVM_CVM_2-640383-4_AD.2d_dxf.zip

English

3D PDF

3D

### Customer View Model

ENG_CVM_CVM_2-640383-4_AD.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_2-640383-4_AD.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