# 1-640445-9 ✔ ACTIVE

MTA 156

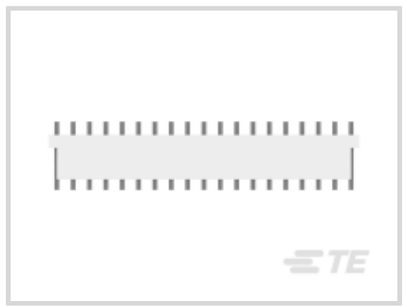
TE Internal #: 1-640445-9

Header, Plug, Wire-to-Board, 19 Position, 3.96 mm [.156 in] Centerline, Printed Circuit Board, UL 94V-0, MTA 156, Rectangular Power Connectors

View on TE.com >

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: **19**

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 | 19 |
| PCB Mount Orientation | Vertical |
| Number of Power Positions | 19 |
| 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 | 50 µm[1.27 µin] |
| Contact Mating Area Plating Material | Tin |
| 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 | 2.54 µm[100 µin] |

## Termination Features

| | |
|---|---|
| Termination Post & Tail Length | 3.18 mm[.125 in] |
| Termination Method to PCB | 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 |

## Dimensions

| | |
|---|---|
| Connector Height | 10.79 mm[.425 in] |
| PCB Thickness (Recommended) | .06 mm[1.6 in] |
| Product Length | 75.29 mm[2.964 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, VDE |
| 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 | 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 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<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 # 1-640251-9
19P SL156 HSG W/O LCK RAMP



TE Part # 644961-1
19P MTA156 HDR ASY WO4,8,12,16



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



TE Part # 1-640551-9
19P MTA156 COVER



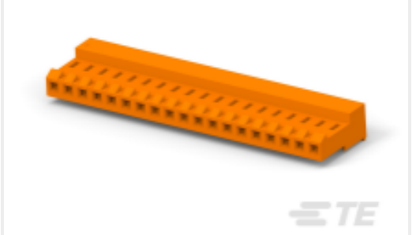
TE Part # 1-640643-9
19P MTA156 COVER F/T



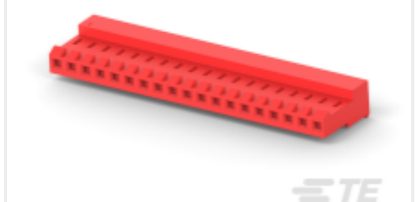
TE Part # 1-643067-9
19P MTA156 MOLDED COVER



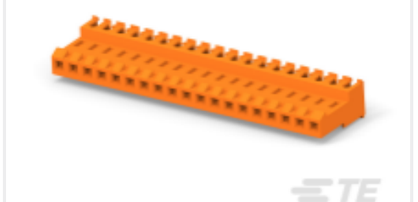
TE Part # 1-643071-9
19P MTA156 FD-THRU COVER



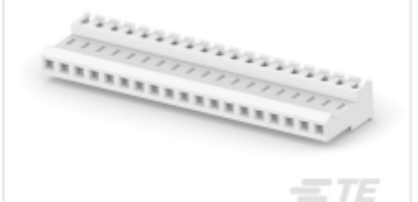
TE Part # 4-640426-9
19P MTA156 CONN ASSY 18AWG ORA



TE Part # 4-640428-9
19P MTA156 CONN ASSY 22AWG RED



TE Part # 4-640599-9
19P MTA156 CONN ASSY 18AWG ORA



TE Part # 4-640602-9
19P MTA156 CONN ASSY 24AWG LF



TE Part # 4-643817-9
19P MTA156 CONN ASSY 18AWG LF



TE Part # 4-643819-9
19P MTA156 CONN ASSY 22AWG LF

## Also in the Series | MTA 156



Connector Caps & Covers(89)



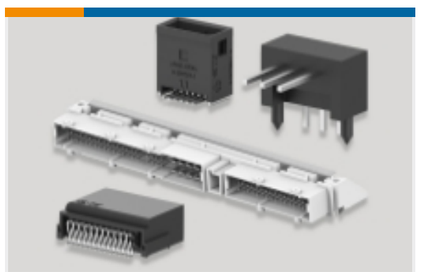
Connector Contacts(4)



Connector Hardware(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(317)



Rectangular Power Connectors(691)



Standard Rectangular Connectors(336)

## Customers Also Bought



TE Part #1-640456-5
15P MTA100 HDR ASSY F/L SQ STR



TE Part #440054-2
2.0MM,HDR,2POS,VERTICAL



TE Part #103309-1
010 LOPRO HDR SP 30DP



TE Part #3-1473562-4
RITS CONN. PLUG ASSY 4P ORANGE



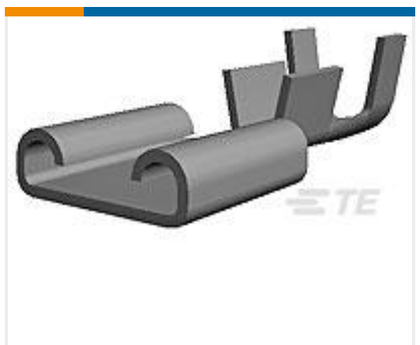
TE Part #5103308-7
A/L LOW PRO HDR 34P VERT BLACK



TE Part #2-520182-2
ULTRAFAST 187 ASSY REC 22-18 TPBR LP



TE Part #350824-1
02P UMNL HDR ASSY PC 94VO



TE Part #160389-3
250 FASTON,REC.,24-17 AWG,PNST



TE Part #5-102617-2
08 MODII HDR DRRA SHRD LF



TE Part #204752-E
STVC 96 F ABC VVV 7-00 EE 4,0 * 247 E007

## Documents

## Product Drawings

19P MTA156 HDR ASSY FL/STR SN

English

## CAD Files

### Customer View Model

ENG_CVM_CVM_1-640445-9_AL.2d_dxf.zip

English

3D PDF

3D

### Customer View Model

ENG_CVM_CVM_1-640445-9_AL.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_1-640445-9_AL.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

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## TE Connectivity:

1-794222-0 1903112-2 2377783-2 917696-1 RH73H2A40MKTN SBCHE154R7K 1-962915-1 1393431-1 2380312-2 650075-000 2005330-1 2-292161-3 2834055-1 CRGCQ2010J3K3 SBCHE64R7K 3430B2F51RTDF 3631B101LL ROX05SJ18R 2310537-1 3-1393225-0 MPT100C18RF TE50BR39J 1743455-2 1969656-1 936348-1 CPF0402B37K4E1 SMW73R0JT U5254-000005-030PA 141991-2 175977-2