

640445-7 ✓ ACTIVE



## MTA 156

TE Internal #: 640445-7

PCB Mount Header, Vertical, Wire-to-Board, 7 Position, 3.96 mm [0.156 in] Centerline, Partially Shrouded, Tin, Through Hole - Solder, Power, MTA 156

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

### Features

#### Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

#### Product Type Features

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

#### Configuration Features

Number of Columns	7
Number of Loaded Positions	7
Number of Power Positions	7



Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	7
Number of Rows	1

### Electrical Characteristics

Operating Voltage	600 VAC
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### Body Features

Primary Product Color	Natural
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### Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 $\mu$ m[50 $\mu$ in]
Contact Size	1.14mm
Contact Mating Area Plating Material Thickness	2.54 $\mu$ m[100 $\mu$ in]
Mating Square Post Dimension	1.14 mm[.045 in]
PCB Contact Termination Area Plating Material Thickness	2.54 $\mu$ m[100 $\mu$ in]
Contact Shape & Form	Square
Contact Layout	Inline
Contact Mating Area Length	10.16 mm[.4 in]
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin
Contact Type	Tab
Contact Current Rating (Max)	14.24 A

### 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
Mating Retention Type	Friction Lock
Mating Retention	With
PCB Mount Retention	Without



PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	Without

### Housing Features

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

### Dimensions

Connector Width	7.62 mm [.3 in]
PCB Thickness (Recommended)	1.57 mm [.062 in]
Connector Height	10.79 mm [.425 in]
Connector Length	27.74 mm [1.092 in]

### Usage Conditions

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

### Operation/Application

Circuit Application	Power
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### Industry Standards

Compatible With Agency/Standards Products	UL, VDE, CSA
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

### 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)

Candidate List Declared Against: JUNE 2024 (241)

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



TE Part # 3-640429-7  
07P MTA156 CONN ASSY 24AWG WHT



TE Part # 3-640599-7  
07P MTA156 CONN ASSY 18AWG ORA



TE Part # 3-640428-7  
07P MTA156 CONN ASSY 22AWG RED



TE Part # 3-640427-7  
07P MTA156 CONN ASSY 20AWG YEL



TE Part # 3-643819-7  
07P MTA156 CONN ASSY 22AWG RED



TE Part # 1-643464-4  
07P MTA156 HD ASY ST W/O#1,4,6



TE Part # 643464-5  
07P MTA156 HDR ASSY STR W/O#6




TE Part # 3-640426-7  
07P MTA156 CONN ASSY 18AWG  
ORA



TE Part # 643464-6  
07P MTA156 HDR ASSY W/O#2,4,&6



TE Part # 643464-2  
07P MTA156 HDR ASSY STR W/O#2



TE Part # 640551-7  
07P MTA156 COVER



TE Part # 3-640431-7  
07P MTA156 CONN ASSY 18AWG  
ORA



TE Part # 3-643817-7  
07P MTA156 CONN ASSY 18AWG  
ORA



TE Part # 643067-7  
07P MTA156 MOLDED COVER



TE Part # 643071-7  
07P MTA156 FD-THRU COVER



TE Part # 3-640601-7  
07P MTA156 CONN ASSY 22AWG LF



TE Part # 3-640435-7  
07P MTA156 CONN ASSY 26AWG LF



TE Part # 3-644463-7  
07P MTA156 CONN ASSY 22AWG RED




TE Part # 643464-4  
07P MTA156 HDR ASSY STR W/O#3


Also in the Series | **MTA 156**




Connector Caps & Covers(89)



Connector Contacts(4)



Connector Hardware(2)




Insertion & Extraction Tools(1)



PCB Headers & Receptacles(677)



Rectangular Power Connectors(331)



Standard Rectangular Connectors(336)

Customers Also Bought



TE Part #640251-4  
04P SL156 HSG W/O RAMP NATL



TE Part #3-350942-0  
02P UMNL HDR ASSY R/A 94VO LF



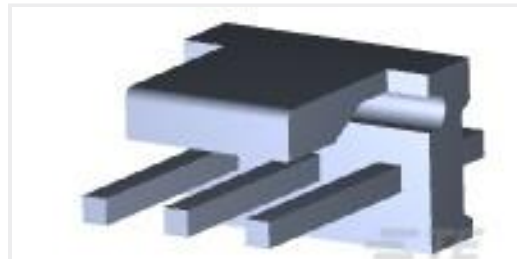
TE Part #1-640445-5  
15P MTA156 HDR ASSY FL/STR SNL



TE Part #1-640445-2  
12P MTA156 HDR ASSY FL/STR SN



TE Part #640445-6  
06P MTA156 HDR ASSY FL/STR SN



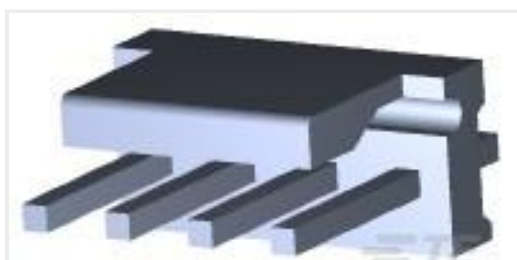
TE Part #640445-3  
03P MTA156 HDR ASSY FL/STR SN



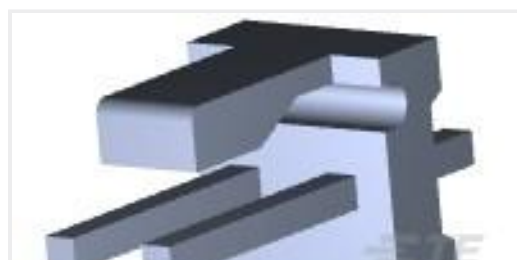
TE Part #1-640445-0  
10P MTA156 HDR ASSY FL/STR SN



TE Part #640445-8  
08P MTA156 HDR ASSY FL/STR SN



TE Part #640445-4  
04P MTA156 HDR ASSY FL/STR SN



TE Part #640445-2  
02P MTA156 HDR ASSY FL/STR SN

## Documents

### Product Drawings

[07P MTA156 HDR ASSY FL/STR SN](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_640445-7\\_AL.2d\\_dxf.zip](#)

English

### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_640445-7\\_AL.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_640445-7\\_AL.3d\\_stp.zip](#)

English

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## Product Specifications



### Application Specification

English

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### Agency Approvals

UL

English