

644960-1 ✓ ACTIVE



## MTA 156

TE Internal #: 644960-1

PCB Mount Header, Right Angle, Wire-to-Board, 18 Position, 3.96 mm [.156 in] Centerline, Partially Shrouded, Tin, Through Hole - Solder, 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: **Right Angle**

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

### Features

#### Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant
Position Locations Omitted	4, 8, 12, 16
Number of Blocked Positions	4

#### Product Type Features

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	18
Number of Loaded Positions	14
PCB Mount Orientation	Right Angle



Number of Positions	18
---------------------	----

Number of Rows	1
----------------	---

### Electrical Characteristics

Operating Voltage	600 VAC
-------------------	---------

### Body Features

Primary Product Color	Natural
-----------------------	---------

### Contact Features

Contact Underplating Material	Nickel
-------------------------------	--------

Contact Underplating Material Thickness	1.27 $\mu\text{m}$ [50 $\mu\text{in}$ ]
---	---

PCB Contact Termination Area Plating Material Finish	Matte
--	-------

Contact Mating Area Plating Material Thickness	2.54 $\mu\text{m}$ [100 $\mu\text{in}$ ]
--	--

Mating Square Post Dimension	1.14 mm[.045 in]
------------------------------	------------------

PCB Contact Termination Area Plating Material Thickness	2.54 $\mu\text{m}$ [100 $\mu\text{in}$ ]
---	--

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 Finish	Matte
---	-------

Contact Mating Area Plating Material	Tin
--------------------------------------	-----

Contact Type	Pin
--------------	-----

Contact Current Rating (Max)	7 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
------------------	------

Mating Alignment Type	Polarization
-----------------------	--------------

PCB Mount Retention	Without
---------------------	---------



PCB Mount Alignment	Without
---------------------	---------

Connector Mounting Type	Board Mount
-------------------------	-------------

Mating Alignment	With
------------------	------

### Housing Features

Housing Material	Polyester - GF
------------------	----------------

Right Angle Bending Side	Rear
--------------------------	------

Centerline (Pitch)	3.96 mm [.156 in]
--------------------	-------------------

### Dimensions

Connector Width	17.88 mm [.704 in]
-----------------	--------------------

PCB Thickness (Recommended)	1.6 mm [.063 in]
-----------------------------	------------------

Connector Height	7.62 mm [.3 in]
------------------	-----------------

Connector Length	71.32 mm [2.808 in]
------------------	---------------------

### Usage Conditions

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

### Operation/Application

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

### Industry Standards

Compatible With Agency/Standards Products	UL, CSA
---	---------

Compatible With Approved Standards Products	UL E28476, CSA LR7189
---	-----------------------

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	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 # 1-643067-8  
18P MTA156 MOLDED COVER



TE Part # 1-640551-8  
18P MTA156 COVER



TE Part # 1-640389-8  
18P MTA156 HDR ASSY SQ R/A F/L



TE Part # 1-640387-3  
13P MTA156 HDR ASSY SQ R/A



TE Part # 1-640387-7  
17P MTA156 HDR ASSY SQ R/A



TE Part # 1-640387-9  
19P MTA156 HDR ASSY SQ R/A




TE Part # 1-640643-8  
18P MTA156 COVER F/T




TE Part # 1-643071-8  
18P MTA156 FD-THRU COVER


## Also in the Series | MTA 156




Connector Caps & Covers(89)



Connector Contacts(4)



Connector Hardware(2)



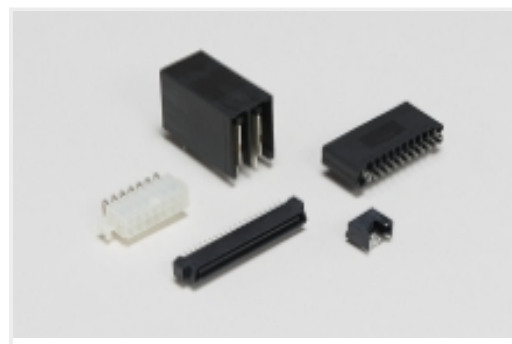
Insertion & Extraction Tools(1)



PCB Headers &amp; Receptacles(677)

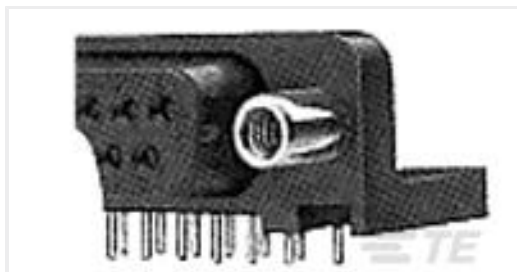
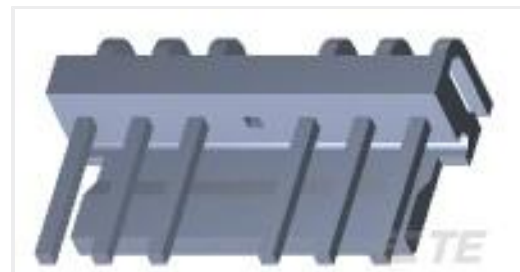
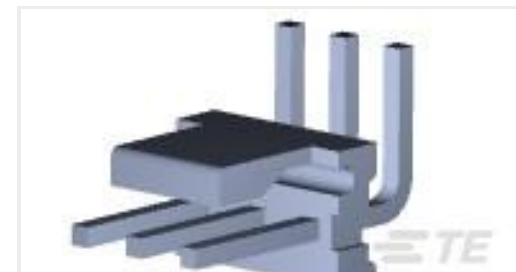
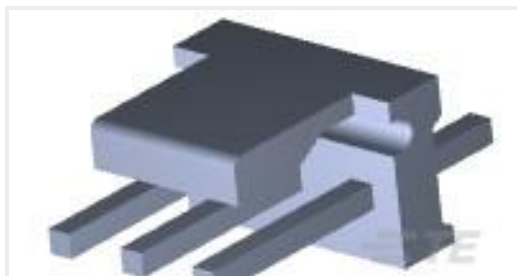
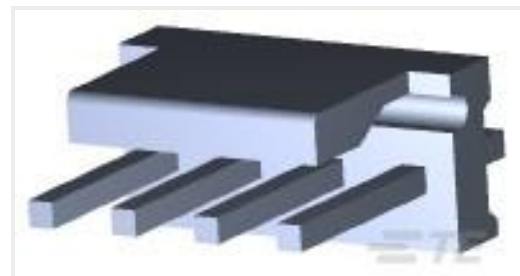
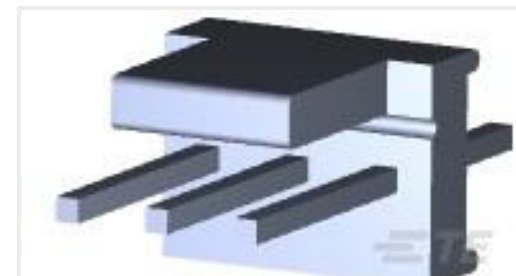


Rectangular Power Connectors(331)



Standard Rectangular Connectors(336)

## Customers Also Bought

TE Part #5788803-1  
HD-20 RCPT 9P RA FFSCRLK HTTE Part #644699-2  
07P MTA156 HDR ASSY R/A W/O#4TE Part #5-146274-2  
02 MODII HDR SRST B/A .100CLTE Part #640387-3  
03P MTA156 HDR ASSY SQ R/ATE Part #644752-3  
03P MTA156 HDR ASSY SQ STR F/LTE Part #640445-4  
04P MTA156 HDR ASSY FL/STR SNTE Part #2301843-2  
AMPL PLUG HD20, R/A, 9P, B/L, 4-40 S /LOCKTE Part #640454-3  
03P MTA100 HDR ASSY SQ STR POL /LOCKTE Part #644752-7  
07P MTA156 HDR ASSY SQ STR F/LTE Part #5-146282-1  
01 MODII HDR SRST B/A .100CL

## Documents

### Product Drawings

[18P MTA156 HDR ASY WO4,8,12,16](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_644960-1\\_C.2d\\_dxf.zip](#)

English

[3D PDF](#)



3D

Customer View Model

[ENG\\_CVM\\_CVM\\_644960-1\\_C.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_644960-1\\_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