

**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](#)Connector System: **Wire-to-Board**Number of Positions: **18**Number of Rows: **1**Centerline (Pitch): **3.96 mm [.156 in]**PCB Mount Orientation: **Right Angle****Features****Product Type Features**

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

**Configuration Features**

Number of Columns	18
Number of Loaded Positions	14
Number of Positions	18
Number of Rows	1
PCB Mount Orientation	Right Angle

**Electrical Characteristics**

Operating Voltage	600 VAC
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**Body Features**

Primary Product Color

Natural

**Contact Features**

Contact Mating Area Length 10.16 mm [.4 in]

Mating Square Post Dimension 1.14 mm [.045 in]

PCB Contact Termination Area Plating Material Thickness 2.54 µm [100 µin]

Contact Layout Inline

Contact Underplating Material Thickness 1.27 µm [50 µin]

Contact Mating Area Plating Material Thickness 2.54 µm [100 µin]

PCB Contact Termination Area Plating Material Finish Matte

Contact Shape &amp; Form Square

Contact Mating Area Plating Material Finish Matte

Contact Underplating Material Nickel

PCB Contact Termination Area Plating Material Tin

Contact Base Material Copper Alloy

Contact Mating Area Plating Material Tin

Contact Type Pin

Contact Current Rating (Max) 7 A

**Termination Features**

Square Termination Post &amp; Tail Dimension 1.14 mm [.045 in]

Termination Post &amp; Tail Length 3.18 mm [.125 in]

Termination Method to Printed Circuit Board Through Hole - Solder

**Mechanical Attachment**

Mating Alignment Type Polarization

Mating Retention With

Panel Mount Feature Without

Mating Retention Type Friction Lock

Connector Mounting Type Board Mount

Mating Alignment With

PCB Mount Alignment Without

PCB Mount Retention Without

**Housing Features**

Right Angle Bending Side Rear

Housing Material

Polyester - GF

Centerline (Pitch)

3.96 mm [.156 in]

**Dimensions**

Connector Length

71.32 mm [2.808 in]

Connector Height

7.62 mm [.3 in]

Connector Width

17.88 mm [.704 in]

PCB Thickness (Recommended)

1.6 mm [.063 in]

**Usage Conditions**

Operating Temperature Range

-55 - 105 °C [-67 - 221 °F]

**Operation/Application**

Circuit Application

Power

**Industry Standards**

Compatible With Agency/Standards Products

CSA, UL

Compatible With Approved Standards Products

CSA LR7189, UL E28476

UL Flammability Rating

UL 94V-0

**Packaging Features**

Packaging Quantity

250

Packaging Method

Package

**Other**

Position Locations Omitted

4, 8, 12, 16

Number of Blocked Positions

4

**Product Compliance**For compliance documentation, visit the product page on [TE.com](http://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: JAN 2024 (240)

Candidate List Declared Against: JAN 2024 (240)

Does not contain REACH SVHC

Halogen Content

Not Low Halogen - contains Br or Cl &gt; 900 ppm.

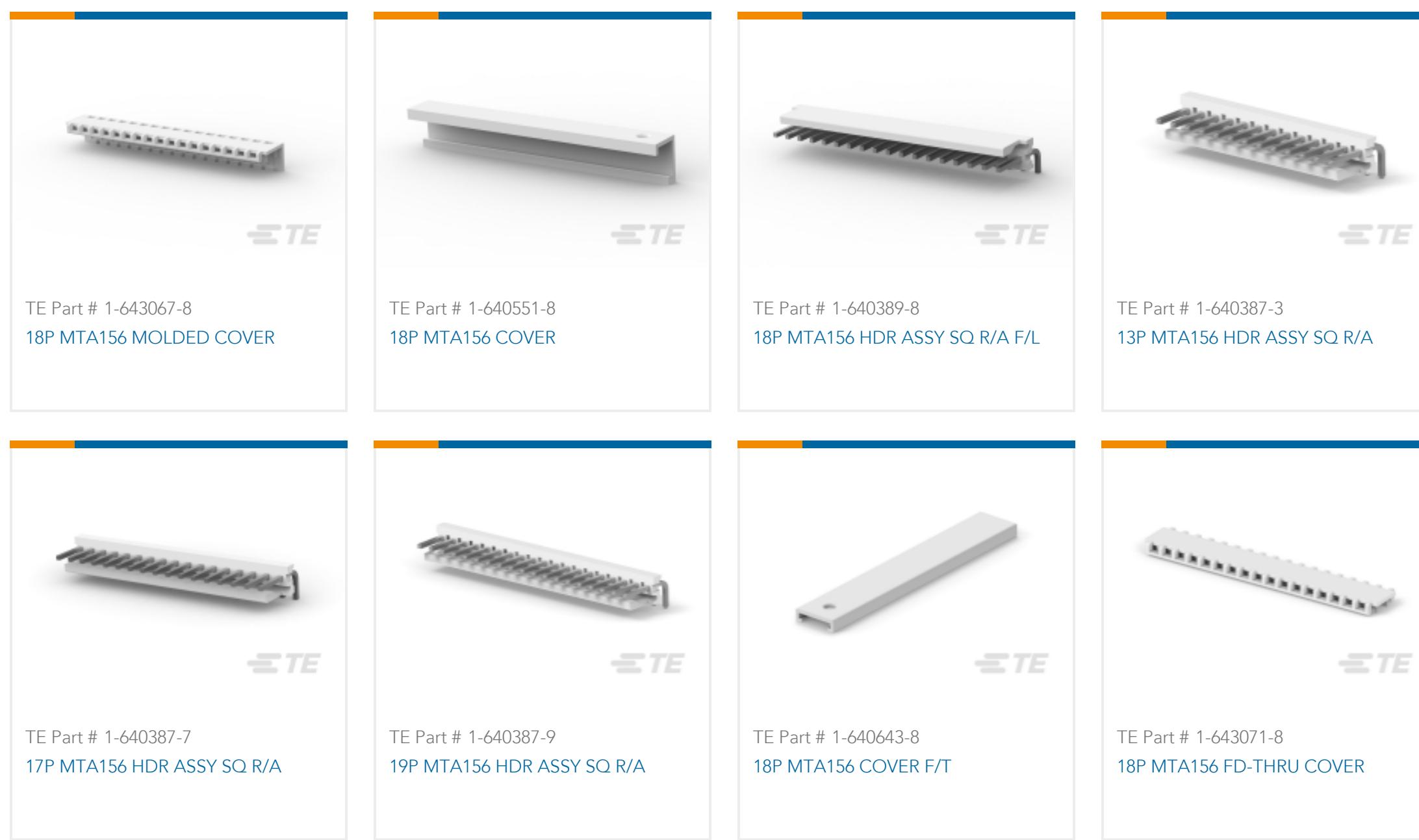
## Solder Process Capability

Wave solder capable to 265°C

## Product Compliance Disclaimer

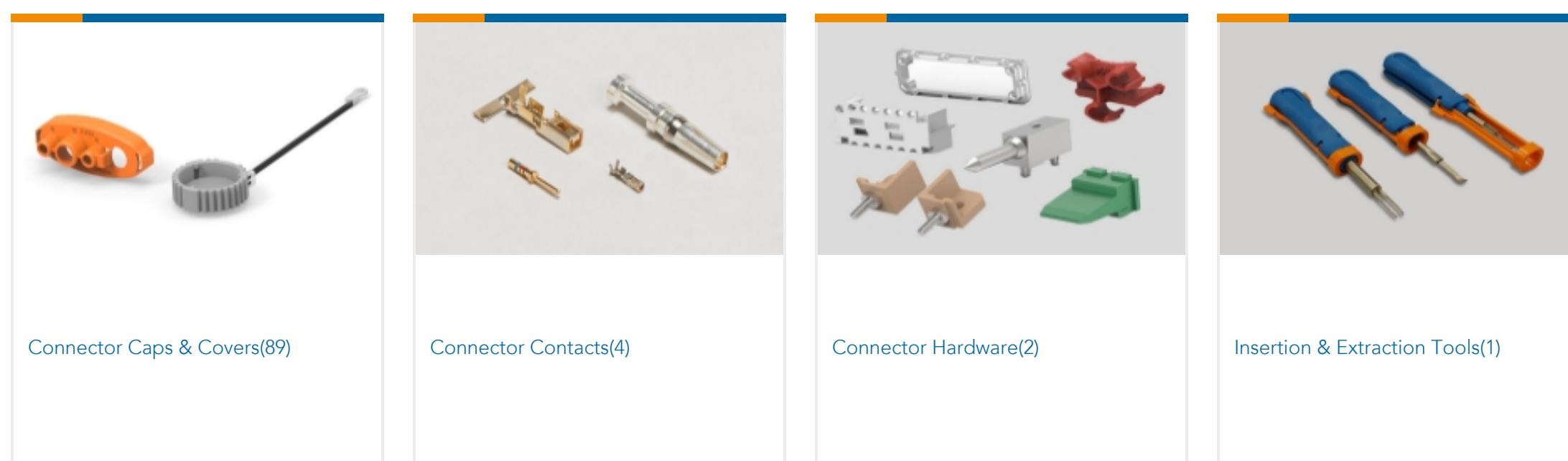
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



## Also in the Series

## MTA 156

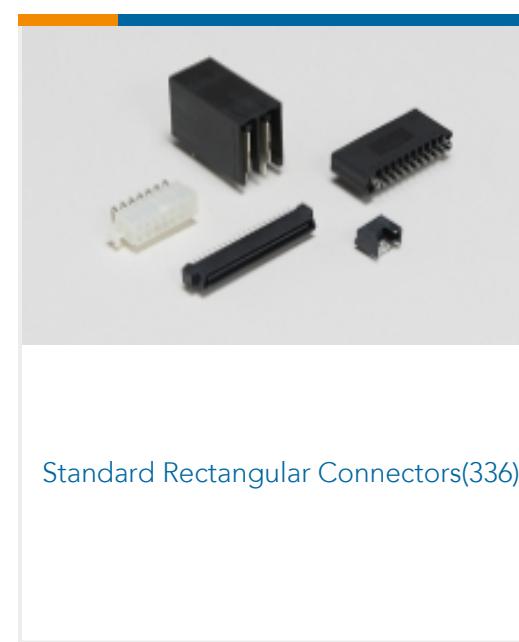




PCB Headers &amp; Receptacles(314)



Rectangular Power Connectors(691)



Standard Rectangular Connectors(336)

## Customers Also Bought

TE Part # 3-1879073-6  
THS10 220R 5%TE Part # 644699-2  
07P MTA156 HDR ASSY R/A W/O#4TE Part # 745286-2  
LATCHING BLOCKTE Part # 644408-2  
06P MTA156 HDR ASSY,R/A,W/O#5TE Part # 644957-1  
11P MTA156 HDR ASSY RA W/O#4&8TE Part # 644590-1  
08P DUAL ROW R/A SHRD HDR SPCLTE Part # 644959-1  
17P MTA156 R/A ASY WO4,8,12,15TE Part # 644713-2  
24P MTA156 HDR W/O#6,10,17TE Part # 641876-3  
12P MTA156 HDR ASSY FL STR SNTE Part # 1-103648-9  
20 MTE RCPT HSG SR RIB .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\\_jgs.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