

1-640445-0 ✓ ACTIVE



MTA 156

TE Internal #: 1-640445-0

PCB Mount Header, Vertical, Wire-to-Board, 10 Position, 3.96 mm [.156 in] Centerline, Partially Shrouded, Tin (Sn), Through Hole - Solder, 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: **10**

Number of Rows: **1**

Features

Product Type Features

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

Configuration Features

Number of Columns	10
Number of Loaded Positions	10
Number of Power Positions	10
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical



Number of Positions	10
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Number of Rows	1
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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
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Contact Underplating Material Thickness	1.27 μm [50 μin]
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Contact Size	1.14mm
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Contact Mating Area Plating Material Thickness	2.54 μm [100 μin]
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Mating Square Post Dimension	1.14 mm[.045 in]
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PCB Contact Termination Area Plating Material Thickness	2.54 μm [100 μin]
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Contact Shape & Form	Square
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Contact Layout	Inline
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Contact Mating Area Length	10.16 mm[.4 in]
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Contact Base Material	Copper Alloy
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PCB Contact Termination Area Plating Material	Tin
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Contact Mating Area Plating Material	Tin (Sn)
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Contact Type	Tab
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Contact Current Rating (Max)	14.24 A
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Termination Features

Termination Post & Tail Length	3.18 mm[.125 in]
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Square Termination Post & Tail Dimension	1.14 mm[.045 in]
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Termination Method to PCB	Through Hole - Solder
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Mechanical Attachment

Panel Mount Feature	Without
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Mating Retention Type	Friction Lock
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Mating Retention	With
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PCB Mount Retention	Without
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PCB Mount Alignment	Without
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Connector Mounting Type	Board Mount
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Mating Alignment	Without
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Housing Features

Mating Entry Location	Top
Housing Material	Thermoplastic Polyester GF
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	39.62 mm [1.56 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	CSA, UL, VDE
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: JAN 2025 (247)



Candidate List Declared Against: JAN 2025
(247)

Does not contain REACH SVHC

Halogen Content

Not Low Halogen - contains Br or Cl > 900 ppm.

Solder Process Capability

Hand solderable with lead free solder

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 # 3-640445-1
10P MTA156 HDR ASSY FL/STR SN OMIT #2



TE Part # 4-640602-0
10P MTA156 CONN ASSY 24AWG LF



TE Part # 4-644860-0
10P MTA156 CONN ASSY 18AWG LF



TE Part # 4-643819-0
10P MTA156 CONN ASSY 22AWG RED



TE Part # 1-643071-0
10P MTA156 FD-THRU COVER



TE Part # 4-644466-0
10P MTA156 CONN ASSY 20AWG YEL



TE Part # 4-640426-0
10P MTA156 CONN ASSY 18AWG ORA



TE Part # 4-640600-0
10P MTA156 CONN ASSY 20AWG LF



TE Part # 4-643820-0
10P MTA156 CONN ASSY 24AWG LF



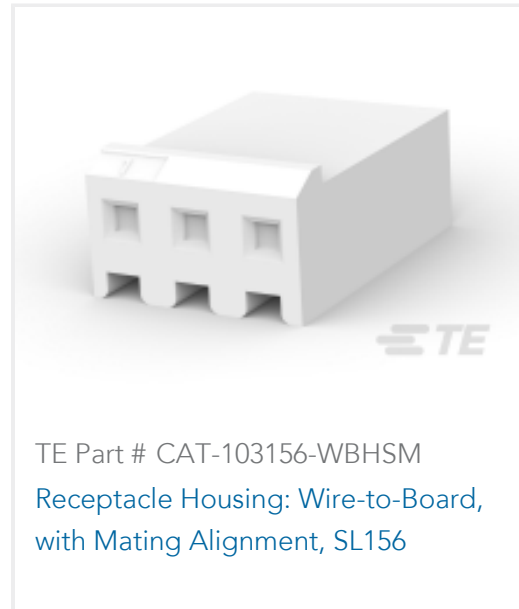
TE Part # 4-640431-0
10P MTA156 CONN ASSY 18AWG ORA



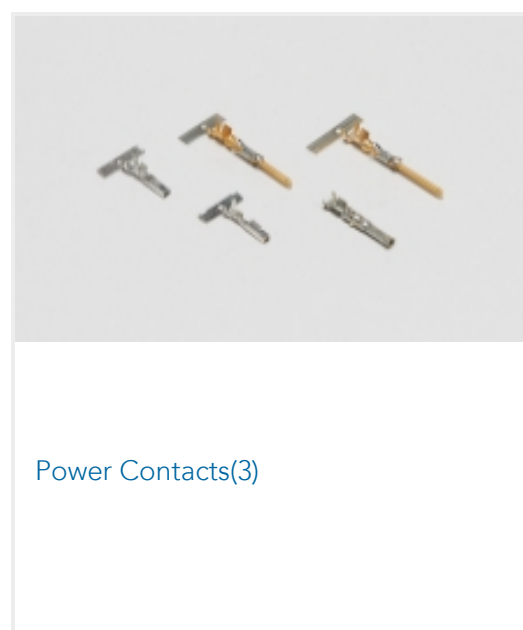
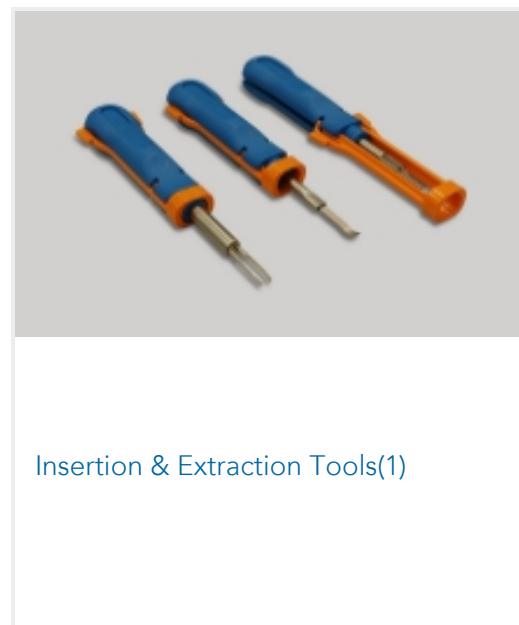
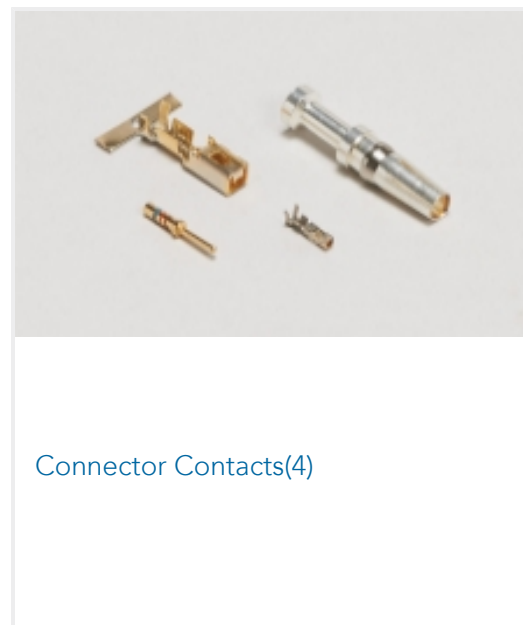
TE Part # 1-640643-0
10P MTA156 COVER F/T



TE Part # 1-640251-0
10P SL156 HSG W/O LCK RAMP

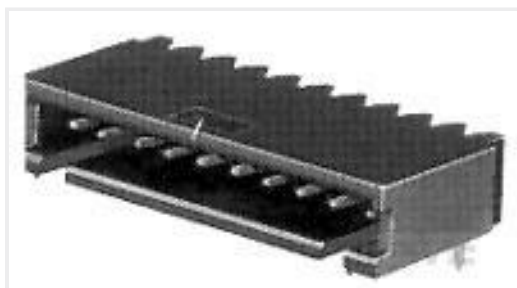


Also in the Series | **MTA 156**

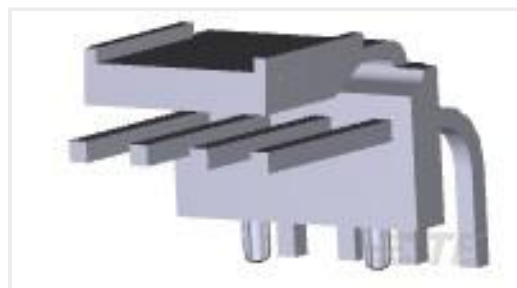


Customers Also Bought

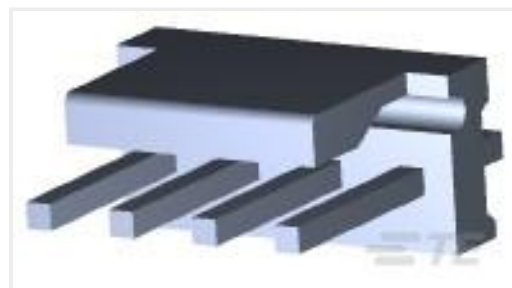




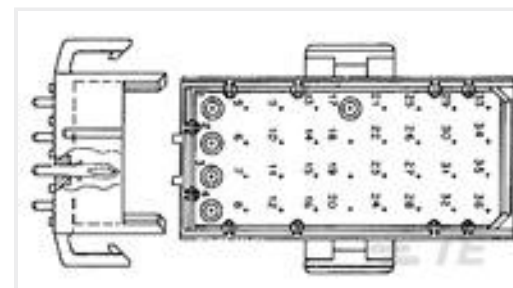
TE Part #5-102523-5
07 MODII HDR SRRA SHRD .100CL



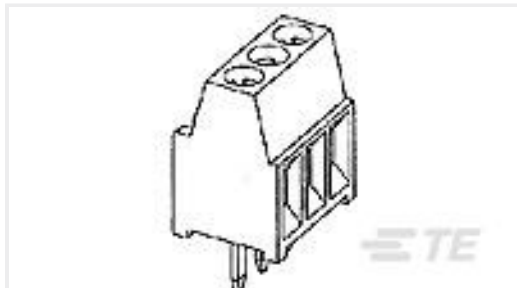
TE Part #3-644617-4
04P MTA156 HDR ASY PO RA FB LF



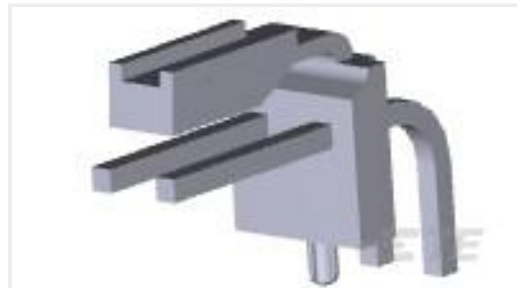
TE Part #640445-4
04P MTA156 HDR ASSY FL/STR SN



TE Part #640502-1
12P MR HDR ASSY V0



TE Part #1546215-7
TERMI-BLOK PCB MOUNT, 90 7P.



TE Part #3-644617-2
02P MTA156 HDR ASY PO RA FB LF

Documents

Product Drawings

[10P MTA156 HDR ASSY FL/STR SN](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1-640445-0_AL.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-640445-0_AL.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-640445-0_AL.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL](#)

English

[UL](#)

English

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