



MTA 156

TE Internal #: 3-644613-2

PCB Mount Header, Right Angle, Wire-to-Board, 2 Position, 3.96 mm [.156 in] Centerline, Partially Shrouded, Tin (Sn), Through Hole - Solder, MTA 156

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **2**

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

Connector Contact Load Condition	Fully Loaded
Number of Columns	2
Number of Loaded Positions	2
Keying & Polarized Position Locations	None
Number of Power Positions	2



PCB Mount Orientation	Right Angle
Number of Positions	2
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 µm[50 µin]
Contact Size	1.14mm
Contact Mating Area Plating Material Thickness	3.81 – 8.89 µm[150 – 350 µin]
Mating Square Post Dimension	1.14 mm[.045 in]
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
PCB Contact Termination Area Plating Material Finish	Matte
PCB Contact Termination Area Plating Material Thickness	3.81 – 8.89 µm[150 – 350 µin]
Contact Shape & Form	Square
Contact Layout	Inline
Contact Mating Area Length	11.43 mm[.45 in]
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Tab
Contact Current Rating (Max)	14.24 A

Termination Features

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

Mechanical Attachment

Panel Mount Feature	Without
Mating Retention Type	Polarized 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	Side
Housing Material	Thermoplastic Polyester - Glass-Filled
Right Angle Bending Side	Front
Centerline (Pitch)	3.96 mm[.156 in]

Dimensions

Connector Width	13.84 mm[.545 in]
Connector Height	10.79 mm[.425 in]
Connector Length	7.8 mm[.307 in]
PCB Thickness (Recommended)	1.57 mm[.062 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
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	500
Packaging Method	Bag

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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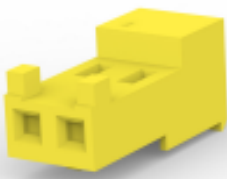
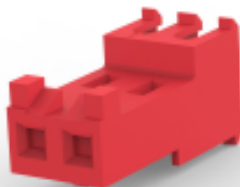
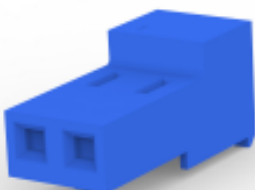


EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

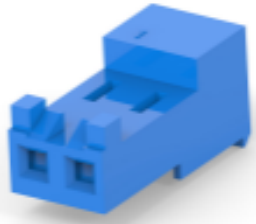
Product Compliance Disclaimer

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>

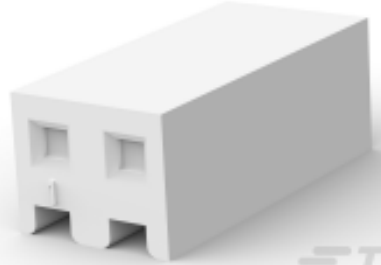
Compatible Parts

 TE Part # 3-644462-2 02P MTA156 CONN ASSY 20AWG LF	 TE Part # 3-644464-2 02P MTA156 CONN ASSY 24AWG LF	 TE Part # 3-644465-2 02P MTA156 CONN ASSY 18AWG ORA	 TE Part # 3-644467-2 02P MTA156 CONN ASSY 22AWG LF
 TE Part # 3-643817-2 02P MTA156 CONN ASSY 18AWG ORA	 TE Part # 643067-2 02P MTA156 MOLDED COVER	 TE Part # 3-640429-2 02P MTA156 CONN ASSY 24AWG WHT	 TE Part # 3-640435-2 02P MTA156 CONN ASSY 26AWG LF





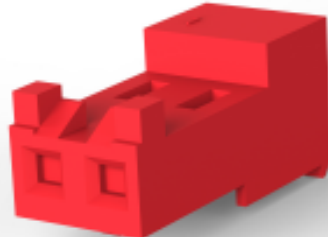
TE Part # 3-643821-2
02P MTA156 CONN ASSY 26AWG LF



TE Part # 640251-2
02P SL156 HSG W/O RAMP NATL



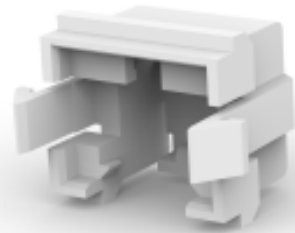
TE Part # 3-640604-2
02P MTA156 CONN ASSY 18AWG LF



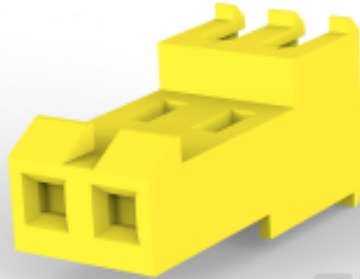
TE Part # 3-643819-2
02P MTA156 CONN ASSY 22AWG RED



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



TE Part # 641533-1
02P MTA156 CONN HSG,END CAP



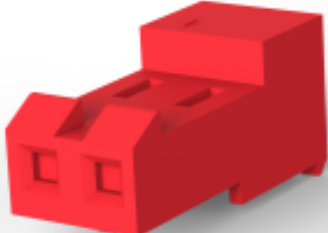
TE Part # 3-640600-2
02P MTA156 CONN ASSY 20AWG LF



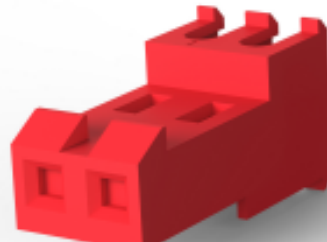
TE Part # 3-644860-2
02P MTA156 CONN ASSY 18AWG LF



TE Part # 3-644570-2
02P MTA156 CONN ASSY 18AWG LF



TE Part # 3-640428-2
02P MTA156 CONN ASSY 22AWG RED



TE Part # 3-640601-2
02P MTA156 CONN ASSY 22AWG LF



TE Part # 3-643820-2
02P MTA156 CONN ASSY 24AWG LF

Also in the Series | **MTA 156**



Connector Caps & Covers(89)



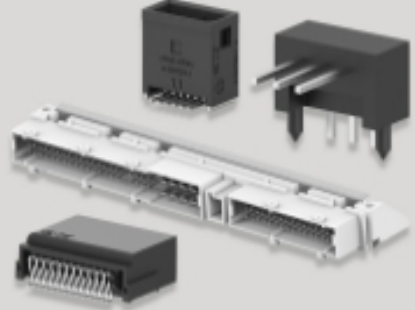
Connector Contacts(4)



Connector Hardware(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(677)



Power Contacts(3)



Rectangular Power Connectors(1178)



Wire-to-Board Headers & Receptacles (677)

Customers Also Bought

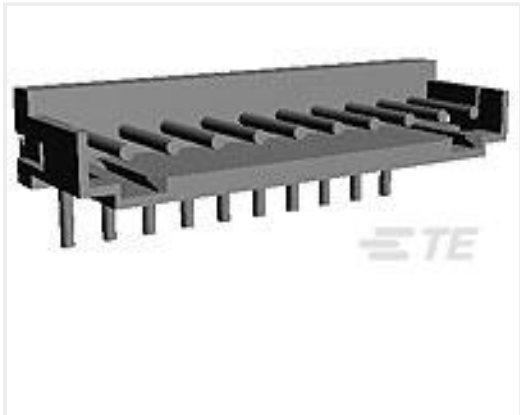




TE Part #CAT-AM7017-H342
AMP COMMON TERMINATION HEADERS



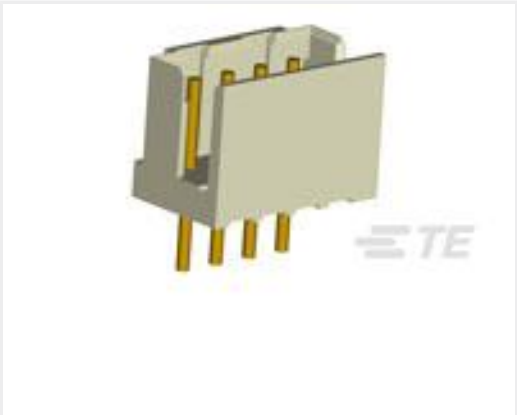
TE Part #292227-4
1.5 MINI CT SGL H SMT W BOSS 4



TE Part #292253-6
CT CONN MT HDR ASSY H 6P NAT



TE Part #2309413-1
DDR4 SODIMM 260P 9.2H STD



TE Part #2-292132-3
CT P/HDR BOX V 3P BLUE



TE Part #292254-2
CT RELAY HDR ASSY 2P NAT

Documents

Product Drawings

02P MTA156 HDR RA PO WO PEG LF

English

CAD Files

Customer View Model

ENG_CVM_3-644613-2_E.2d_dxf.zip

English

3D PDF

English

Customer View Model

ENG_CVM_3-644613-2_E.3d_igs.zip

English

Customer View Model

ENG_CVM_3-644613-2_E.3d_stp.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-644613-2_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-644613-2_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-644613-2_D.3d_stp.zip

English

3-644613-2

PCB Mount Header, Right Angle, Wire-to-Board, 2 Position, 3.96 mm [.156 in]
Centerline, Partially Shrouded, Tin (Sn), Through Hole - Solder, MTA 156



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Product Specifications

Application Specification

English