



MTA 156

TE Internal #: 3-644615-7
PCB Mount Header, Vertical, Wire-to-Board, 7 Position, 3.96 mm [.156 in] Centerline, Partially Shrouded, Tin, Through Hole - Solder, Power, MTA 156

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Connectors > PCB Connectors > PCB Headers & Receptacles



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

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

Number of Positions: **7**

Number of Rows: **1**

Centerline (Pitch): **3.96 mm [.156 in]**

Features

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

Keying & Polarized Position Locations	4&5
Number of Power Positions	7
Number of Columns	7
Number of Loaded Positions	7
Connector Contact Load Condition	Fully Loaded
Number of Positions	7



Number of Rows	1
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	600 VAC
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Body Features

Primary Product Color	Natural
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Contact Features

Contact Mating Area Length	11.43 mm[.45 in]
Contact Size	1.14mm
Mating Square Post Dimension	1.14 mm[.045 in]
PCB Contact Termination Area Plating Material Thickness	3.81 – 8.89 µm[150 – 350 µin]
Contact Layout	Inline
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Mating Area Plating Material Thickness	3.81 – 8.89 µm[150 – 350 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & 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	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

PCB Mount Alignment Type	Peg
Mating Alignment Type	Backwall Interruptions Between Posts
Mating Retention	With
Panel Mount Feature	Without



PCB Mount Retention Type	Tab
Mating Retention Type	Polarized Lock
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	With

Housing Features

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

Dimensions

Connector Length	27.61 mm[1.087 in]
Connector Height	13.84 mm[.545 in]
Connector Width	10.79 mm[.425 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

UL Rating	Recognized
Glow Wire Rating	Standard Part - Not Glow Wire
Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	500
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 # 3-640427-7 07P MTA156 CONN ASSY 20AWG YEL
 TE Part # 3-643819-7 07P MTA156 CONN ASSY 22AWG RED	 TE Part # 3-640426-7 07P MTA156 CONN ASSY 18AWG ORA	 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 # 3-643818-7
07P MTA156 CONN ASSY 20AWG YEL

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 # 640251-7
07P SL156 HSG W/O LCK RAMP

TE Part # CAT-103156-RECHS
Connector Housing, Rectangular, 3.96
mm, 1 Row

TE Part # 3-644465-7
07P MTA156 CONN ASSY 18AWG
ORA

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

TE Part # 3-640432-7
07P MTA156 CONN ASSY 20AWG YEL

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)

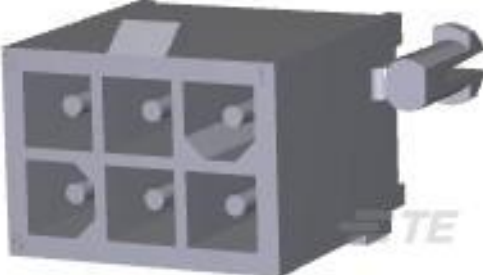
Customers Also Bought



TE Part #641971-1
09P UMNL PIN HDR ASSY V2 NATL



TE Part #5767096-8
MICT,REC,038,ASY,.025,TAPE,CAP



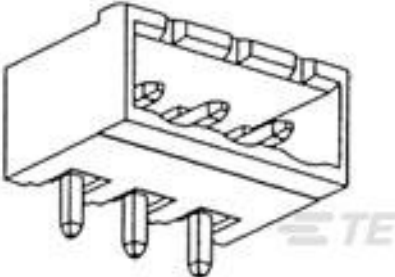
TE Part #1-770875-0
06P MINI UMNL HDR ASSY SN



TE Part #1744357-6
3.96 EP SHROUDED HDR ASSY 6P W /PEGS



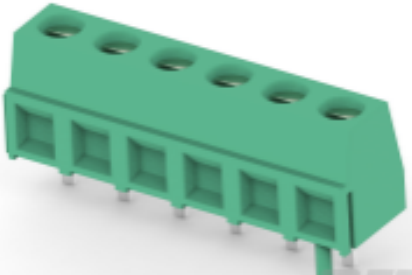
TE Part #1-641974-1
12P UMNL PIN HDR ASSY BLK



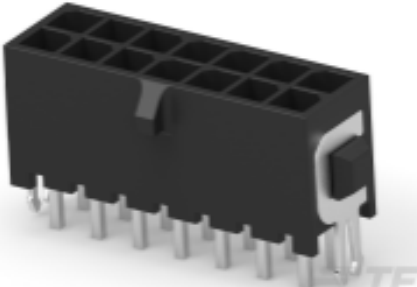
TE Part #1546209-5
TERMI-BLOK HEADER ASSY90 5P.



TE Part #2-2071448-6
ORWH-SS-124DMF,000



TE Part #3-282836-4
TERMI-BLOK PCB MOUNT 90 6P Ke



TE Part #4-794680-5
14P MICRO MNL ASSY,VRT,THRU LF

Documents

Product Drawings

07P MTA156 POL LOCK HDR TIN

English

CAD Files

Customer View Model

ENG_CVM_3-644615-7_J.2d_dxf.zip

English

3D PDF

English

Customer View Model

ENG_CVM_3-644615-7_J.3d_igs.zip

English

Customer View Model

ENG_CVM_3-644615-7_J.3d_stp.zip

English

3D PDF

3D



Customer View Model

[ENG_CVM_CVM_3-644615-7_E.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-644615-7_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-644615-7_E.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL](#)

English