

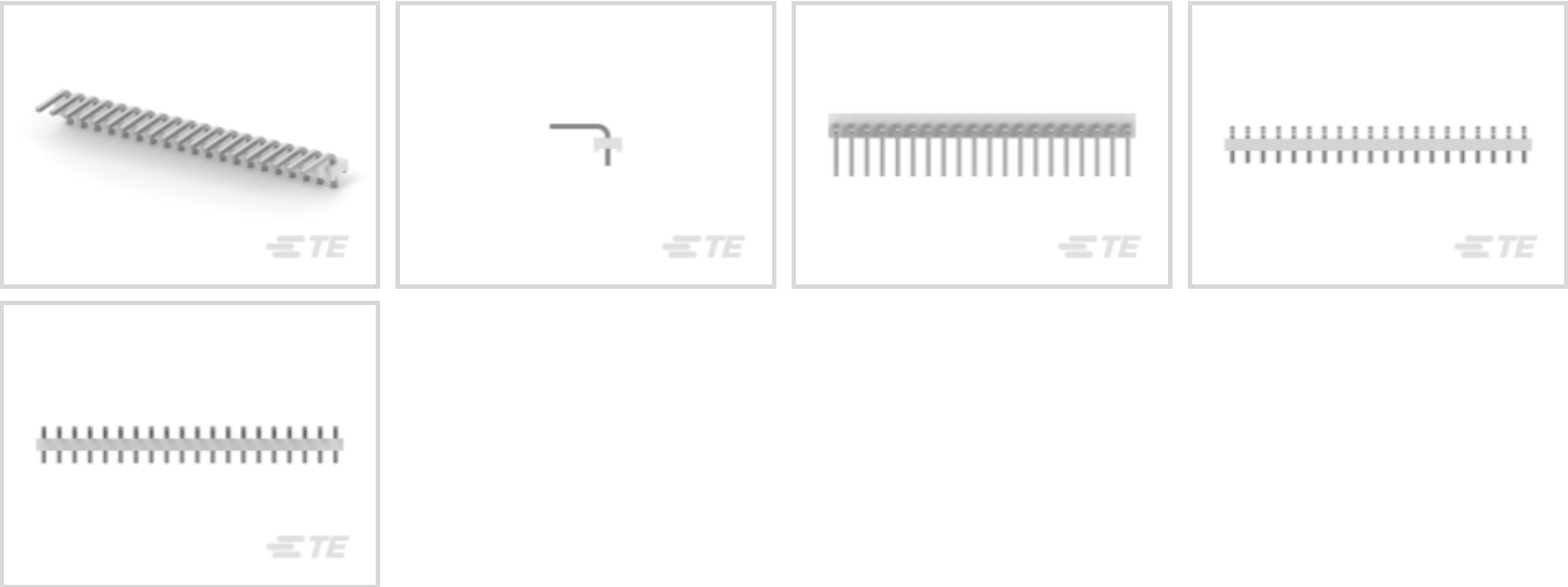


MTA 156

TE Internal #: 2-640385-0
PCB Mount Header, Right Angle, Wire-to-Board, 20 Position, 3.96 mm [.156 in] Centerline, Unshrouded, Tin (Sn), Through Hole - Solder, Power, 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: **20**
Centerline (Pitch): **3.96 mm [.156 in]**

Features

Product Type Features

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

Configuration Features

Number of Columns	20
PCB Mount Orientation	Right Angle
Number of Positions	20
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]
PCB Contact Termination Area Plating Material Finish	Matte
Mating Square Post Dimension	1.14 mm[.045 in]
PCB Contact Termination Area Plating Material Thickness	2.54 µm[100 µin]
Contact Shape & Form	Square
Contact Layout	Inline
Contact Mating Area Length	9.91 mm[.39 in]
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Tin (Sn)
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	2.54 µm[100 µin]
Contact Type	Pin
Contact Current Rating (Max)	7 A
PCB Contact Termination Area Plating Material	Tin

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
PCB Mount Alignment	Without
Mating Retention	Without
PCB Mount Retention	Without
Connector Mounting Type	Board Mount
Mating Alignment	Without

Housing Features

Centerline (Pitch)	3.96 mm[.156 in]
Housing Material	Polyester GF

Dimensions

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Connector Width	16.26 mm[.64 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	6.27 mm[.247 in]
Connector Length	79.25 mm[3.12 in]

Usage Conditions

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

Circuit Application	Power
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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

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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

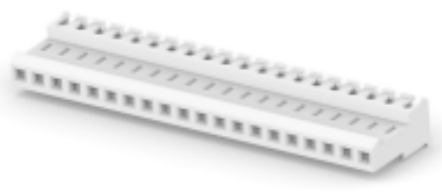
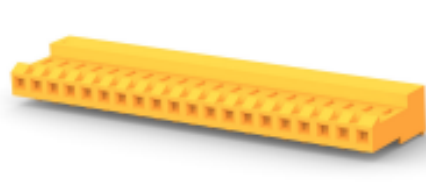
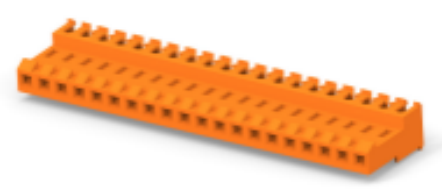
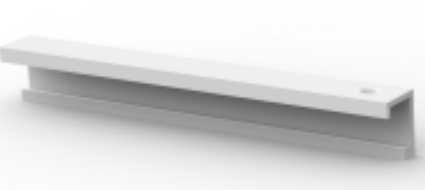
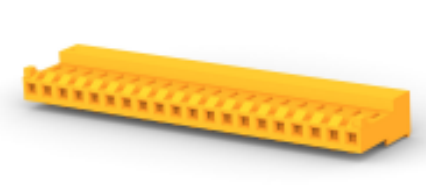
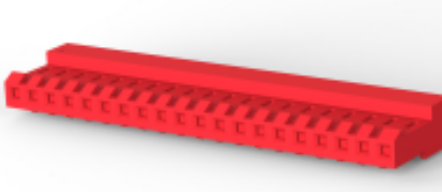
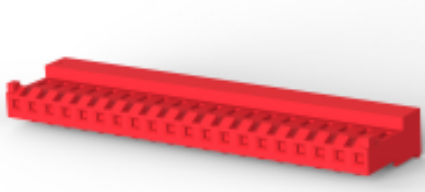
Product Compliance Disclaimer

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 # 5-640602-0 20P MTA156 CONN ASSY 24AWG LF	 TE Part # 2-643067-0 20P MTA156 MOLDED COVER	 TE Part # 2-640251-0 20P SL156 HSG W/O LCK RAMP	 TE Part # 5-640426-0 20P MTA156 CONN ASSY 18AWG ORA
 TE Part # 5-640599-0 20P MTA156 CONN ASSY 18AWG ORA	 TE Part # 2-640551-0 20P MTA156 COVER	 TE Part # 2-643071-0 20P MTA156 FD-THRU COVER	 TE Part # 5-643817-0 20P MTA156 CONN ASSY 18AWG LF
 TE Part # 5-640428-0 20P MTA156 CONN ASSY 22AWG RED	 TE Part # CAT-103156-WBHSM Receptacle Housing: Wire-to-Board, with Mating Alignment, SL156	 TE Part # 5-643819-0 20P MTA156 CONN ASSY 22AWG LF	 TE Part # 2-640643-0 20P MTA156 COVER F/T

Also in the Series | MTA 156

 Connector Caps & Covers(89)	 Connector Contacts(4)	 Connector Hardware(2)	 Insertion & Extraction Tools(1)
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[PCB Headers & Receptacles\(677\)](#)



[Power Contacts\(3\)](#)



[Rectangular Power Connectors\(1178\)](#)

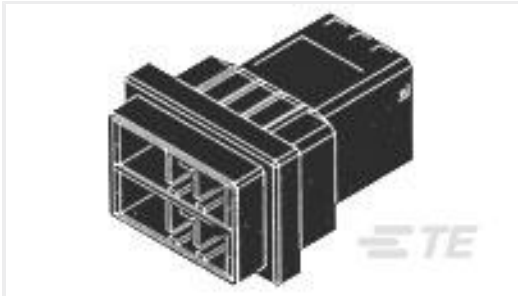


[Wire-to-Board Headers & Receptacles \(677\)](#)

Customers Also Bought



TE Part #175286-5
[DYNAMIC D-3 TAB CONT. L PRE-TIN](#)



TE Part #2-179554-6
[DYNAMIC3200D TAB HSG 12P FH YY](#)



TE Part #3-1393222-9
[V23061A1007A302=MINISTARKSTROM](#)



TE Part #2-1393224-8
[RYA51024](#)



TE Part #6-1393238-8
[RTD14024](#)



TE Part #6-1393243-3
[RT424012](#)



TE Part #1625886-4
[1W SM M/OX 5% 330R](#)



TE Part #3-1625892-6
[3W SM M/OX 5% 27R](#)



TE Part #1634200-3
[PREDA1-07F-BB0CW](#)



TE Part #2-1879026-1
[YR1 0.1% 15R](#)

Documents

Product Drawings

[20P MTA156 HDR ASSY SQ R/A](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_2-640385-0_AC.2d_dxf.zip](#)

English

[3D PDF](#)



3D

Customer View Model

[ENG_CVM_CVM_2-640385-0_AC.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-640385-0_AC.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Agency Approvals

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English