

2-640385-0 ✓ ACTIVE

MTA 156

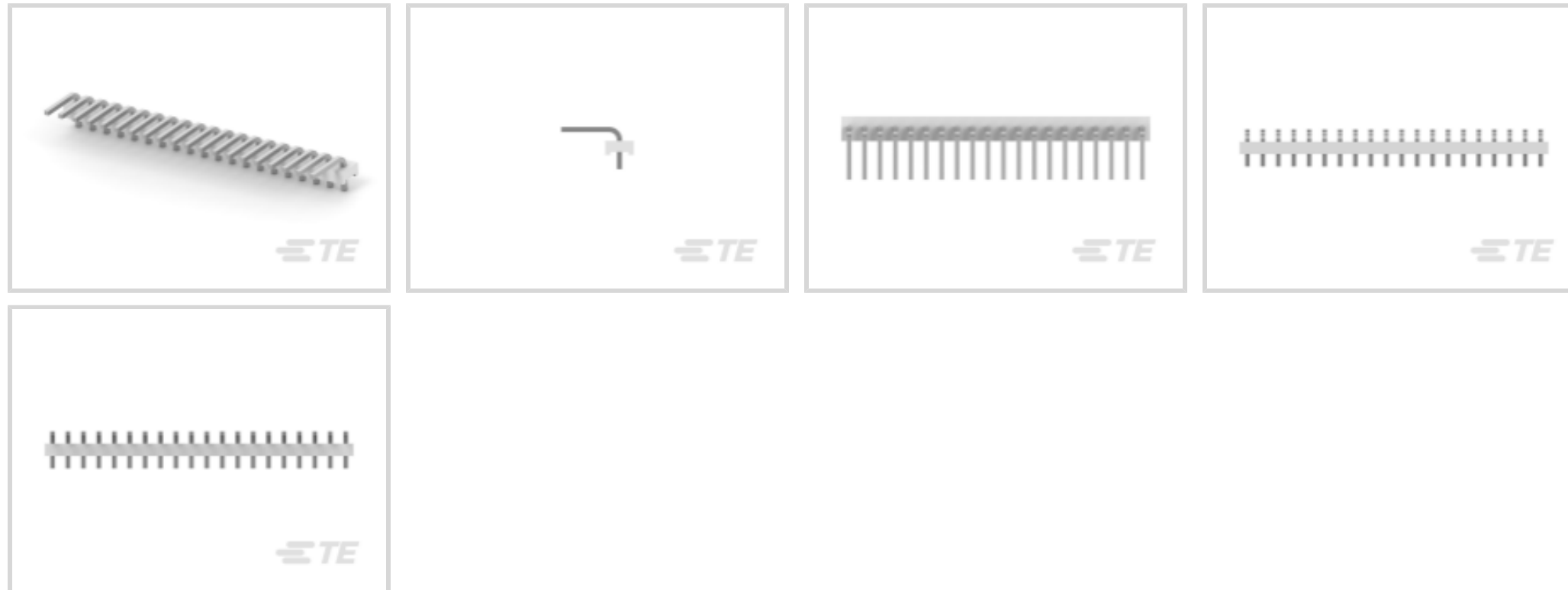
TE Internal #: 2-640385-0

PCB Mount Header, Right Angle, Wire-to-Board, 20 Position, 3.96 mm [.156 in] Centerline, Unshrouded, Tin, Through Hole - Solder, Power, MTA 156

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **20**

Number of Rows: **1**

Features

Electrical Characteristics

Operating Voltage	600 VAC
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Dimensions

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]

Packaging Features

Packaging Quantity	250
Packaging Method	Package

Industry Standards

Compatible With Agency/Standards Products	UL, CSA
Compatible With Approved Standards Products	UL E28476, CSA LR7189
UL Flammability Rating	UL 94V-0

Mechanical Attachment

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

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

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 μ m[50 μ in]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	2.54 μ m[100 μ in]
Mating Square Post Dimension	1.14 mm[.045 in]
PCB Contact Termination Area Plating Material Thickness	2.54 μ m[100 μ in]
Contact Shape & Form	Square
Contact Layout	Inline
Contact Mating Area Length	9.91 mm[.39 in]
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	7 A

Housing Features

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

Configuration Features

Number of Columns	20
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PCB Mount Orientation	Right Angle
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Number of Positions	20
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Number of Rows	1
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Product Type Features

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

Primary Product Color	Natural
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Usage Conditions

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

Circuit Application	Power
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Other

EU RoHS Compliance	Compliant
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EU ELV Compliance	Compliant
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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
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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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
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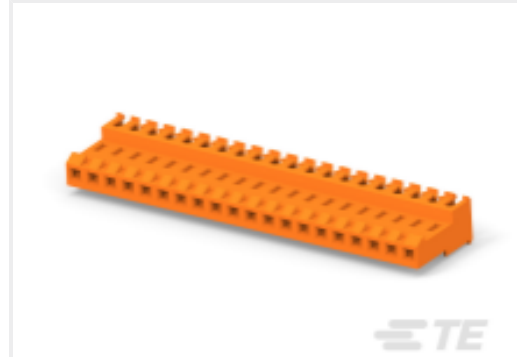

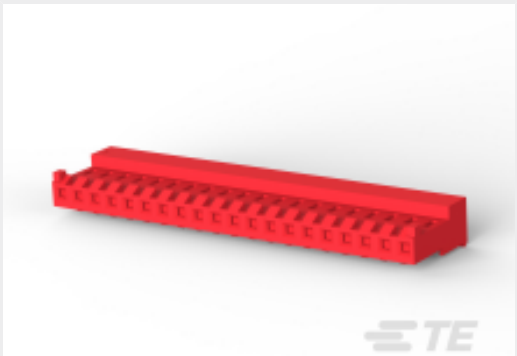

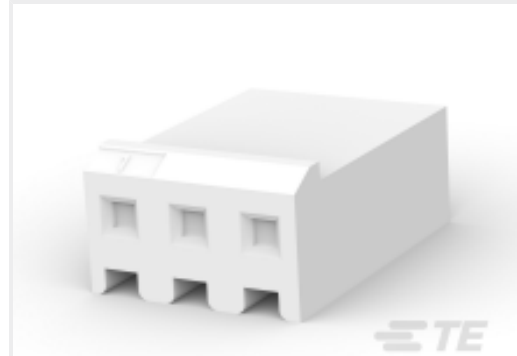
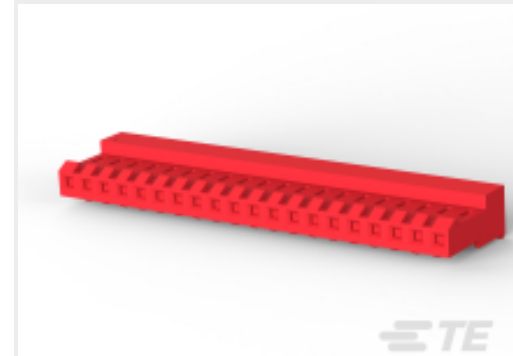




Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Wave solder capable to 265°C
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Product Compliance Disclaimer

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>

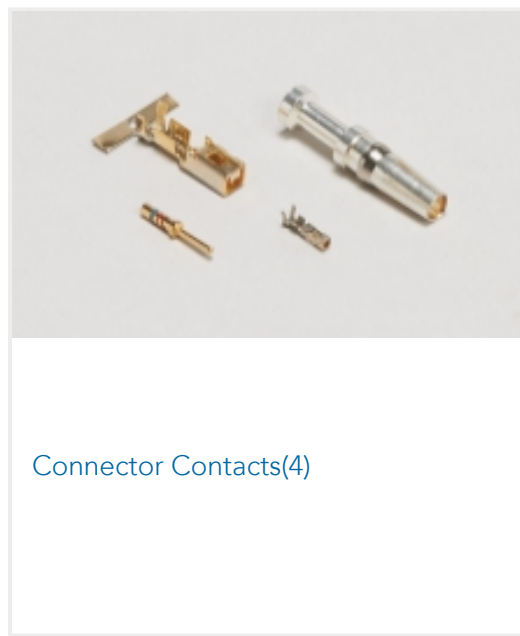
Compatible Parts

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

Also in the Series | **MTA 156**



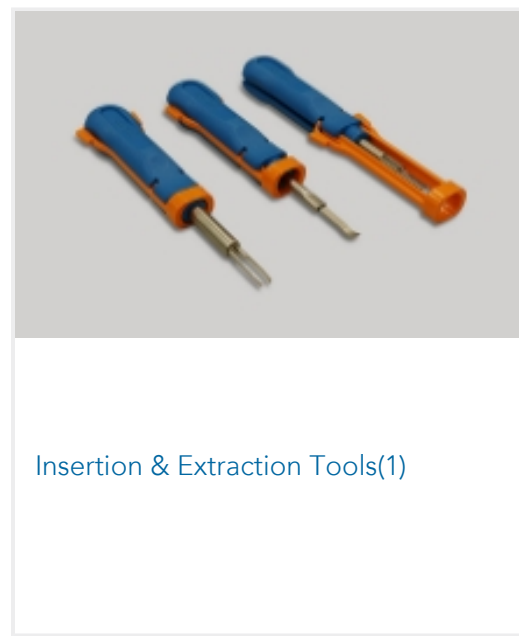
Connector Caps & Covers(89)



Connector Contacts(4)



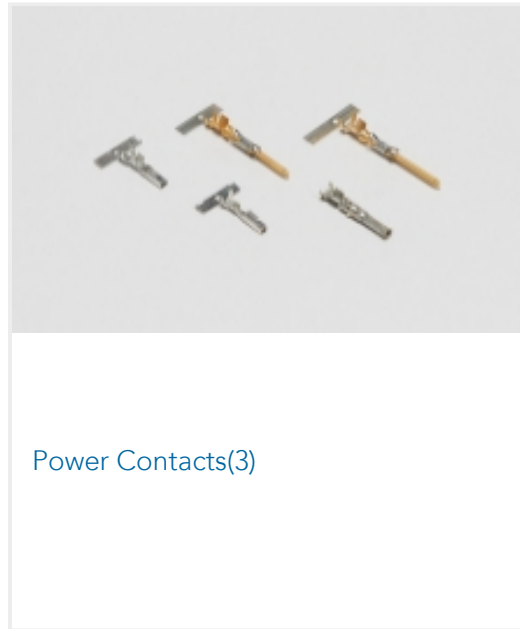
Connector Hardware(2)



Insertion & Extraction Tools(1)



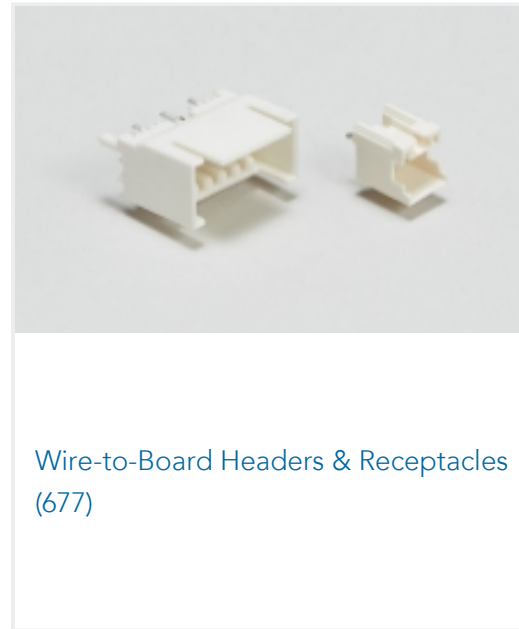
PCB Headers & Receptacles(677)



Power Contacts(3)



Rectangular Power Connectors(331)



Wire-to-Board Headers & Receptacles (677)

Customers Also Bought



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM,
CONNECTOR HOUSING



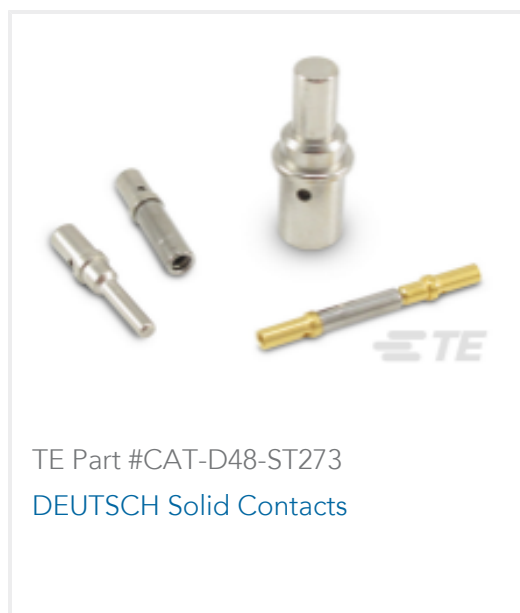
TE Part #DT04-2P
REC, 2P, GRY, N



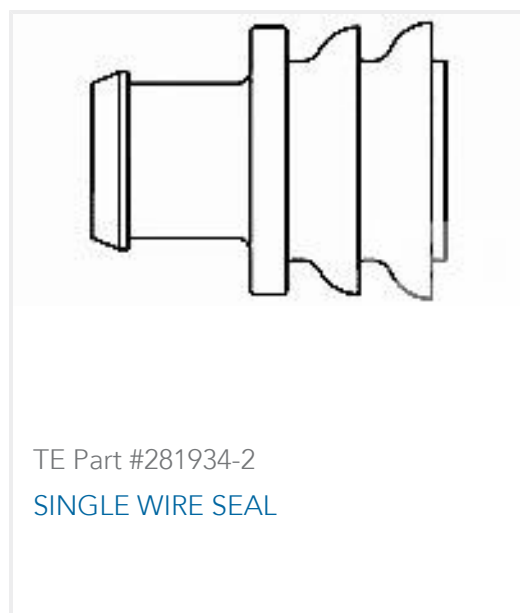
TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part #281934-2
SINGLE WIRE SEAL

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

[Agency Approval Document](#)

English