



MTA 156

TE Internal #: 2-647127-2
Header, Plug, Wire-to-Board, 2 Position, 3.96 mm [.156 in]
Centerline, Printed Circuit Board, UL 94V-0, MTA 156, Rectangular
Power Connectors

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**
Connector & Housing Type: **Plug**
Connector System: **Wire-to-Board**
Number of Positions: **2**
Centerline (Pitch): **3.96 mm [.156 in]**

Features

Product Type Features

Header Type	Fully Shrouded
Rectangular Power Connector Type	Header
Connector & Housing Type	Plug
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	2
PCB Mount Orientation	Vertical
Number of Power Positions	2
Number of Signal Positions	0
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC
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Body Features

Connector Profile	Standard
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Contact Features

Mating Post Length	7.62 mm[.3 in]
PCB Contact Termination Area Plating Material Thickness	1 µm[39.37 µin]
Contact Layout	Inline
Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Underplating Material	Nickel
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	7 A
Contact Retention Within Housing	Without
Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	3.81 – 8.89 µm[150 – 350 µin]

Termination Features

Termination Post & Tail Length	3 mm[.118 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

PCB Mount Alignment Type	Peg
Strain Relief	Without
Mating Alignment Type	Polarization
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	With
Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Tab
Mating Retention Type	Latch Detent
Connector Mounting Type	Board Mount

Housing Features

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Centerline (Pitch)	3.96 mm[.156 in]
Housing Color	Black
Housing Material	Thermoplastic Polyester - Glass-Filled

Dimensions

Connector Height	13.34 mm[.525 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Product Length	10.31 mm[.406 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

CSA Rating	Certified, LR 7189
UL Rating	Recognized
Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	1
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.



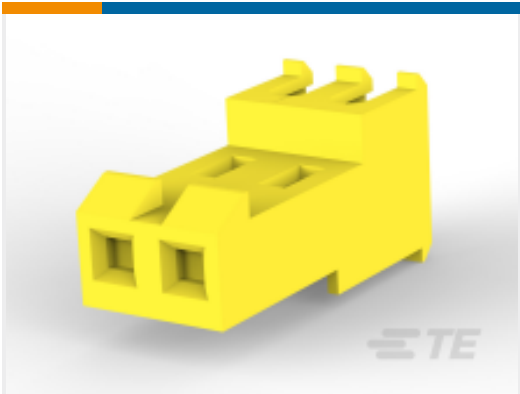
Solder Process Capability

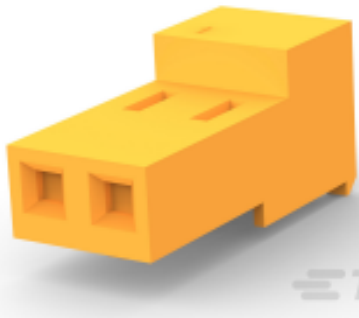
Wave solder capable to 240°C

Product Compliance Disclaimer

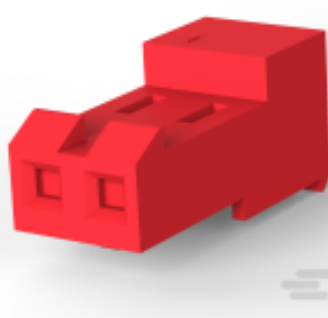
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

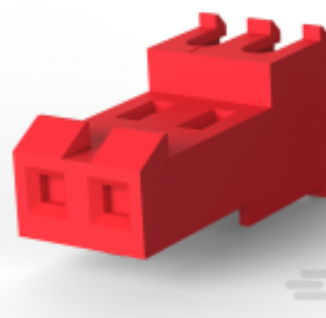
 TE Part # 3-640600-2 02P MTA156 CONN ASSY 20AWG LF	 TE Part # 640643-2 02P MTA156 COVER F/T	 TE Part # 3-644465-2 02P MTA156 CONN ASSY 18AWG ORA	 TE Part # 643067-2 02P MTA156 MOLDED COVER
 TE Part # 3-640432-2 02P MTA156 CONN ASSY 20AWG YEL	 TE Part # 640551-2 02P MTA156 COVER	 TE Part # 3-640426-2 02P MTA156 CONN ASSY 18AWG ORA	 TE Part # 3-643817-2 02P MTA156 CONN ASSY 18AWG ORA
 TE Part # 3-640427-2 02P MTA156 CONN ASSY 20AWG YEL	 TE Part # 3-640429-2 02P MTA156 CONN ASSY 24AWG WHT	 TE Part # 3-640599-2 02P MTA156 CONN ASSY 18AWG ORA	 TE Part # 3-643818-2 02P MTA156 CONN ASSY 20AWG YEL



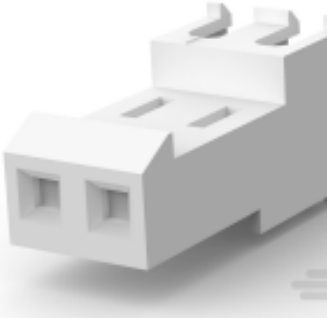
TE Part # 3-640431-2
02P MTA156 CONN ASSY 18AWG
ORA



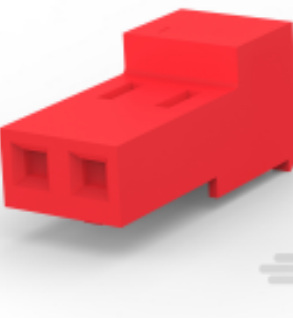
TE Part # 3-640428-2
02P MTA156 CONN ASSY 22AWG RED



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



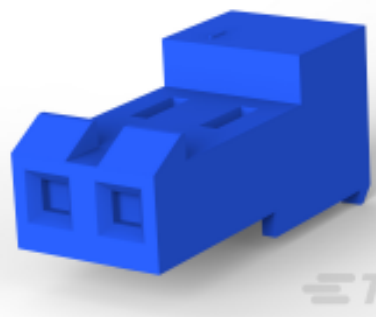
TE Part # 3-640602-2
02P MTA156 CONN ASSY 24AWG LF



TE Part # 3-640433-2
02P MTA156 CONN ASSY 22AWG RED



TE Part # 643071-2
02P MTA156 FD-THRU COVER



TE Part # 3-640430-2
02P MTA156 CONN ASSY 26AWG BLU



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

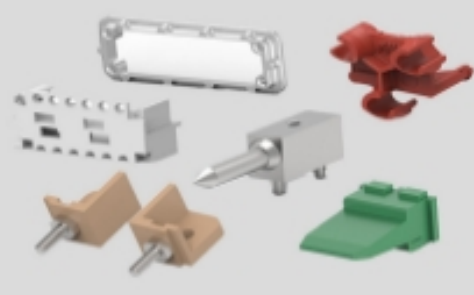
Also in the Series | MTA 156



Connector Caps & Covers(89)



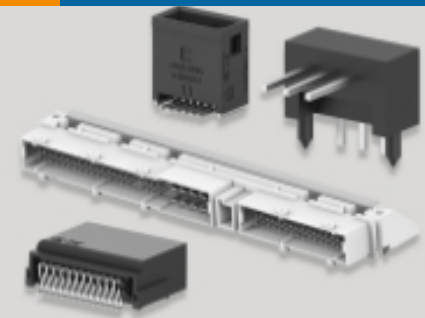
Connector Contacts(4)



Connector Hardware(2)



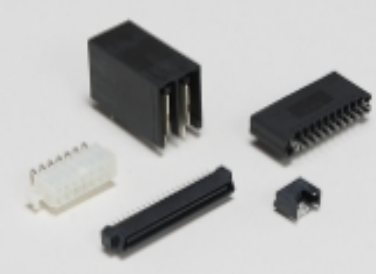
Insertion & Extraction Tools(1)



PCB Headers & Receptacles(317)

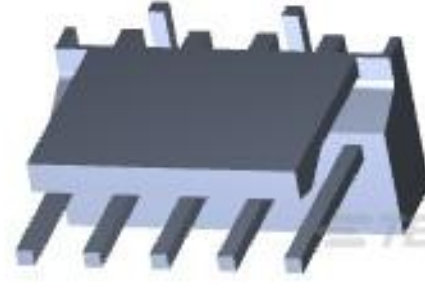


Rectangular Power Connectors(691)



Standard Rectangular Connectors(336)

Customers Also Bought



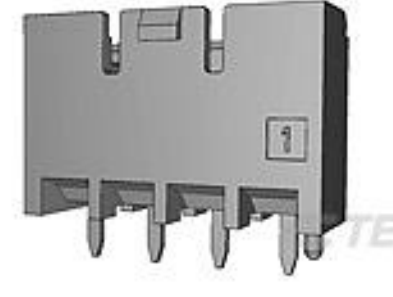
TE Part #3-647166-5
5P MTA100 HDR ASSY,SM,FL,LF



TE Part #1-1827875-4
DYNAMIC 1200D HDR ASSY V 8P X
BLACK GOLD

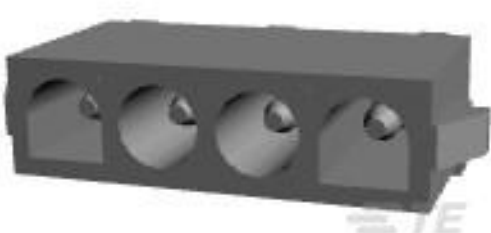


TE Part #292173-6
CT BOX HDR H SMT 6P O/TAPE BLA



TE Part #1376383-1
5mm B-T-W Conn. 3P HDR ASSEMBL



 TE Part #2-1437565-8 FSM2JSMAA=TACTILE 260G FORCE S	 TE Part #350792-1 04P UMML PIN HDR ASSY 94VO	 TE Part #350789-1 03P UMNL PIN HDR ASSY 94VO	 TE Part #8-292131-4 SGL HDR ASSY BOX DIP V POLARIS
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Documents

Product Drawings

02P MTA156 SHRD HDR ASSY LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-647127-2_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-647127-2_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-647127-2_C.3d_stp.zip

English

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Product Specifications

Product Specification

English

Product Specification

English