



Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **6**

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

Features

Product Type Features

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

Configuration Features

Number of Columns	6
Number of Loaded Positions	5
PCB Mount Orientation	Vertical
Number of Positions	6
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC
-------------------	---------

Contact Features



Contact Layout	Inline
Contact Mating Area Length	10.16 mm[.4 in]
Mating Square Post Dimension	1.14 mm[.045 in]
Contact Retention Within Housing	Without
PCB Contact Termination Area Plating Material Thickness	2.54 µm[100 µin]
Contact Underplating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	2.54 µm[100 µin]
Contact Type	Post
Contact Current Rating (Max)	7 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 Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

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

Housing Features

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



Dimensions

Connector Length	23.77 mm[.936 in]
Connector Height	13.33 mm[.525 in]
Connector Width	6.35 mm[.25 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power
---------------------	-------

Industry Standards

CSA Rating	Certified
UL Flammability Rating	UL 94V-0
Agency/Standard	CSA, UL
CSA File Number	LR7189
UL Rating	Recognized
UL File Number	E28476

Packaging Features

Packaging Quantity	1000
Packaging Method	Package

Other

Position Locations Omitted	2
Number of Blocked Positions	1

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: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900



ppm.

Solder Process Capability

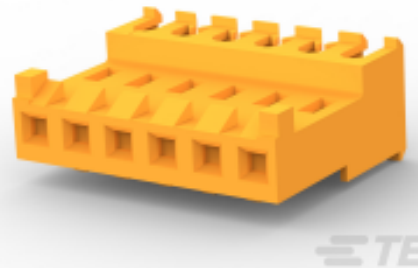
Wave solder capable to 265°C

Product Compliance Disclaimer

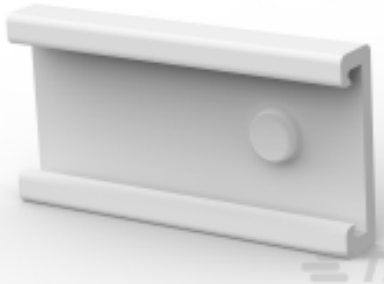
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

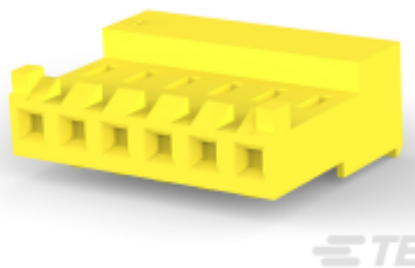
 TE Part # CAT-103156-WBHSM 3.96mm Wire-to-board housing: receptacle, with mating alignment, SL 156	 TE Part # CAT-103156-WBHSN 3.96mm Wire-to-board housing: receptacle, no mating alignment, SL 156	 TE Part # 3-640429-6 06P MTA156 CONN ASSY 24AWG WHT	 TE Part # 643067-6 06P MTA156 MOLDED COVER
 TE Part # 640551-6 06P MTA156 COVER	 TE Part # 3-644566-6 06P MTA156 CONN ASSY 22AWG LF	 TE Part # 3-640428-6 06P MTA156 CONN ASSY 22AWG RED	 TE Part # 3-643817-6 06P MTA156 CONN ASSY 18AWG ORA
 TE Part # 3-640426-6 06P MTA156 CONN ASSY 18AWG ORA	 TE Part # 3-643819-6 06P MTA156 CONN ASSY 22AWG RED	 TE Part # 3-640599-6 06P MTA156 CONN ASSY 18AWG ORA	 TE Part # 3-640427-6 06P MTA156 CONN ASSY 20AWG YEL ORA



TE Part # 3-644465-6
06P MTA156 CONN ASSY 18AWG
ORA



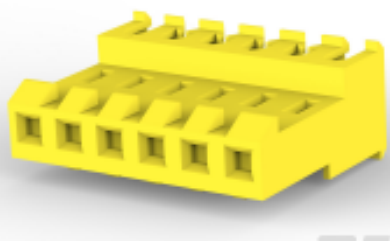
TE Part # 640643-6
06P MTA156 COVER F/T



TE Part # 3-643818-6
06P MTA156 CONN ASSY 20AWG YEL



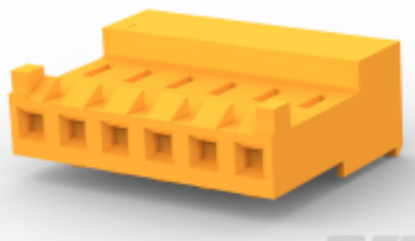
TE Part # 3-644878-6
06P MTA156 ASSY ON TAPE LF



TE Part # 3-640600-6
06P MTA156 CONN ASSY 20AWG LF



TE Part # 3-640433-6
06P MTA156 CONN ASSY 22AWG RED



TE Part # 3-644460-6
06P MTA156 CONN ASSY 18AWG
ORA



TE Part # 3-644463-6
06P MTA156 CONN ASSY 22AWG RED

Also in the Series | **MTA 156**



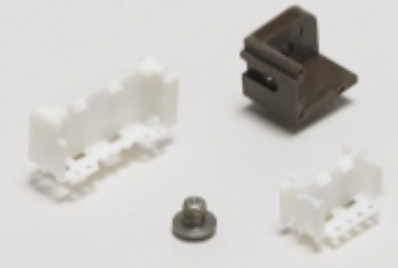
Insertion & Extraction Tools(1)



PCB Connector Covers(92)



PCB Connector Keying(2)



PCB Connector Mounting(1)



Power Contacts(3)



Rectangular Caps & Covers(1)



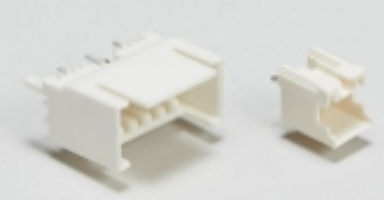
Rectangular Power Connectors(748)



Standard Rectangular Connectors
(1309)



Wire-to-Board Connector Contacts(12)



Wire-to-Board Headers & Receptacles
(729)

Customers Also Bought





TE Part #0462-209-16141
DEUTSCH SOLID CONTACTS



TE Part #W6P
DEUTSCH DT WEDGELOCKS



TE Part #114017-ZZ
DEUTSCH SEALING PLUGS



TE Part #1-480698-0
02P UMNL PLUG HSG NATL



TE Part #103747-5
05 MODII HDR SRST B/A .100CL



TE Part #1-2823558-6
CRIMP INSERTS (BARREL ID 9.5 X OD 10.5)



TE Part #103948-2
5X3 MTE SHRD PIN SR LATCH .100

Documents

Product Drawings
06P MTA156 HDR ASSY STR W/O#2
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_643129-3_H.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_643129-3_H.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_643129-3_H.3d_stp.zip
English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.