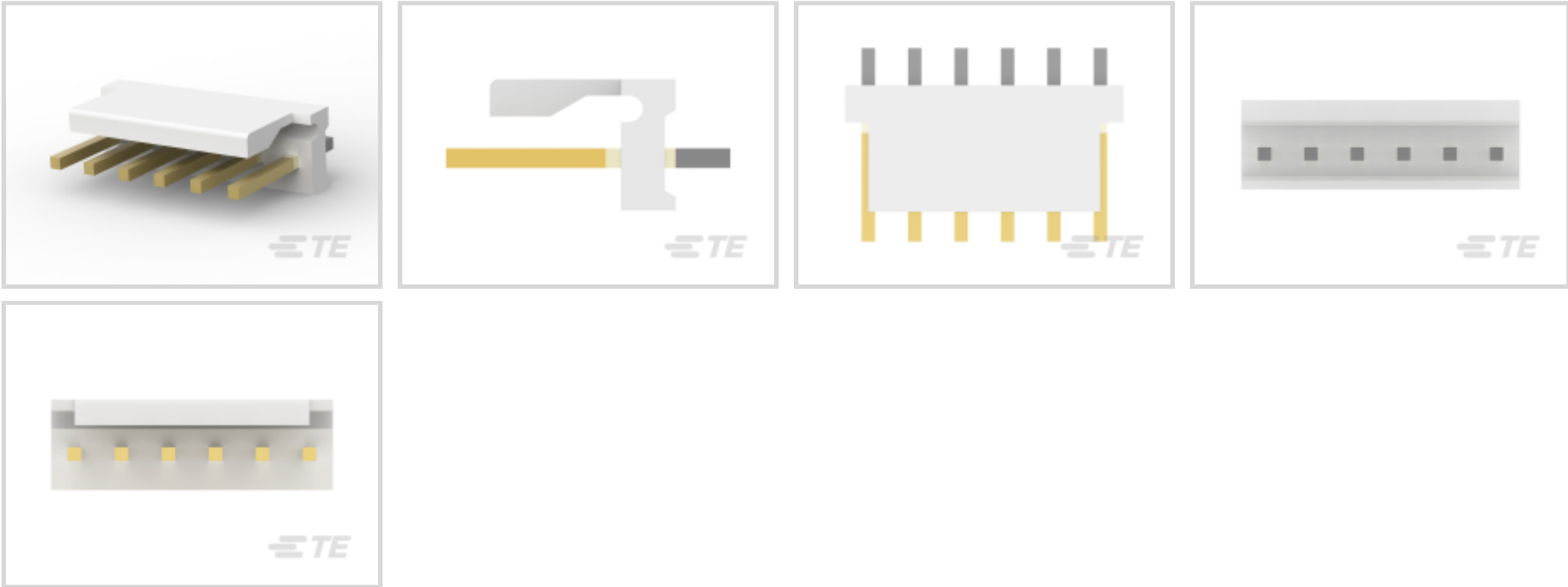




Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Headers & Receptacles



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	Partially Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	6
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC
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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	3.81 – 8.89 µm[150 – 350 µin]
Contact Underplating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material Finish	Bright
Contact Shape & Form	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Finish	Bright
Contact Mating Area Plating Material Thickness	.76 µm[29.92 µin]
Contact Type	Pin
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 Wire & Cable	Solder
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

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

Housing Features

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



Dimensions

Connector Length	7.92 mm[.312 in]
Connector Height	10.8 mm[.425 in]
PCB Thickness (Recommended)	1.6 mm[.063 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
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	750
Packaging Method	Package

Product Compliance

For compliance documentation, visit the product page on [TE.com](#)>

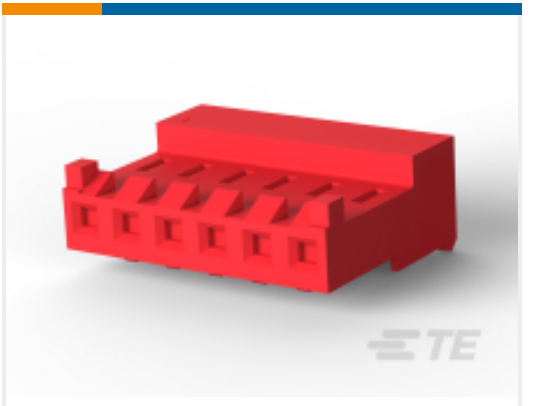
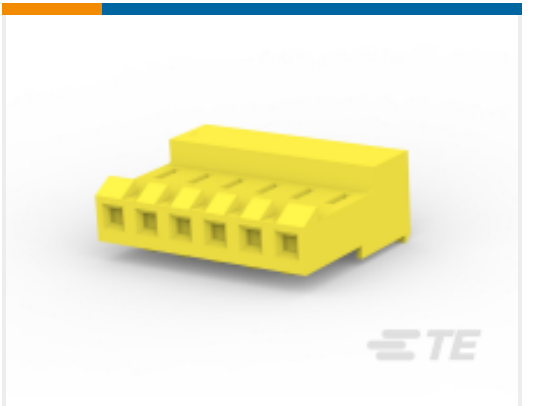
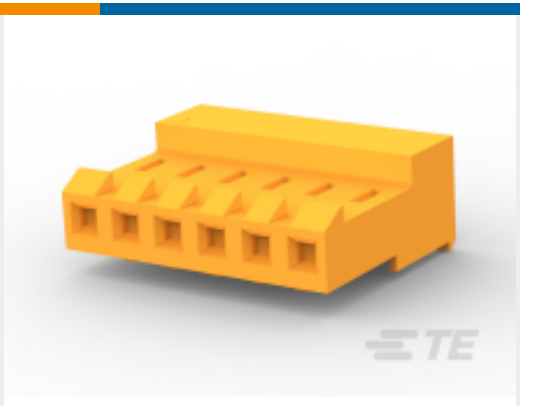
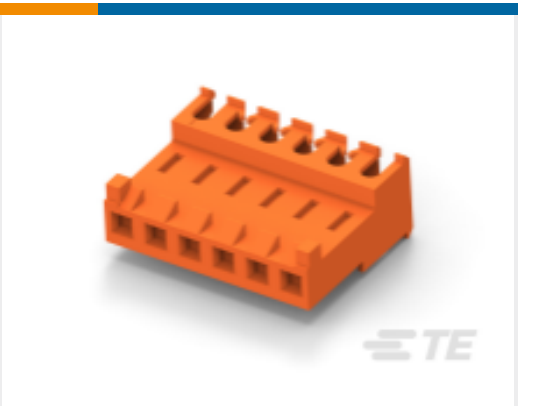
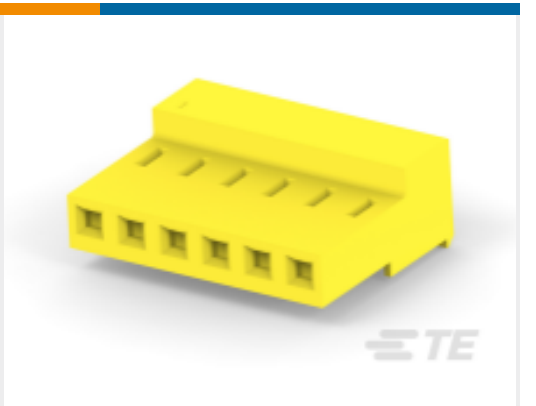
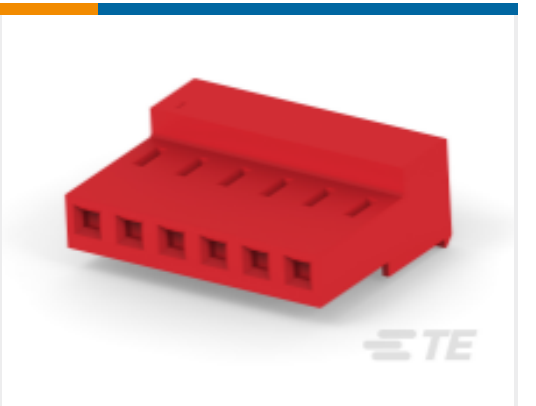
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not 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 # 643067-6 06P MTA156 MOLDED COVER	 TE Part # 640551-6 06P MTA156 COVER
 TE Part # 640643-6 06P MTA156 COVER F/T	 TE Part # 3-644460-6 06P MTA156 CONN ASSY 18AWG ORA	 TE Part # 643071-6 06P MTA156 FD-THRU COVER	 TE Part # 3-641219-6 06P MTA156 CONN ASSY 22AWG LF
 TE Part # 3-644662-6 06P MTA156 CONN ASSY 22AWG LF	 TE Part # 3-641218-6 06P MTA156 CONN ASSY 20AWG LF	 TE Part # 3-641217-6 06P MTA156 CONN ASSY 18AWG ORA	 TE Part # 3-644718-6 06P MTA156 CONN ASSY 18AWG OR ORA
 TE Part # 3-641220-6 06P MTA156 CONN ASSY 24AWG LF	 TE Part # 3-641222-6 06P MTA156 CONN ASSY 18AWG LF	 TE Part # 3-641223-6 06P MTA156 CONN ASSY 20AWG LF	 TE Part # 3-641224-6 06P MTA156 CONN ASSY 22AWG LF



TE Part # 3-641226-6
06P MTA156 CONN ASSY 26AWG LF

TE Part # 3-641227-6
06P MTA156 CONN ASSY 18AWG LF

TE Part # 3-641228-6
06P MTA156 CONN ASSY 20AWG LF

TE Part # 3-641229-6
06P MTA156 CONN ASSY 22AWG LF

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 #164533-4
D-Sub Crimp Recpt Signal 25 Posn,
Socket Size 20, Shell Size 3

TE Part #1-5229912-1
IDC D-Sub: Connector Kit, Plug,
Signal, 2.16 mm

TE Part #1-292132-0
CT 2mm Post Header Asmbly: Box V
DIP

TE Part #1-173977-0
AMP COMMON TERMINATION
HOUSINGS



TE Part #1-1871058-4
PCI EXPRESS CONN. EON TYPE, 16



TE Part #1445336-2
LOOSE PC CONTACT 15 AU PLATED



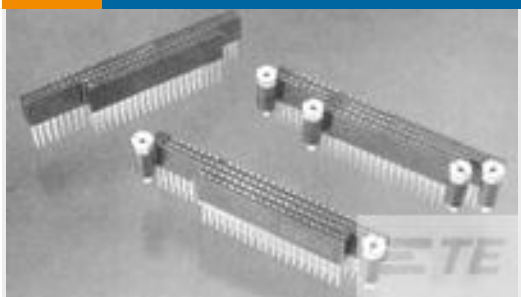
TE Part #926308-1
8P UNIV.M-N-L.CAP



TE Part #1-480764-0
05P UMNLCAP HSG NATL



TE Part #104477-6
80 SYSTEM 50 HDR DRRA SHRD



TE Part #1375794-2
PC104 ASY 2S/0 UNKEYED

Documents

Product Drawings

06P MTA156 HDR ASSY FL ST 30AU

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_641208-6_Z.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_641208-6_Z.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_641208-6_Z.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

MTA, CST-100 II, SL-156 and AMP Economy Power (EP) Connectors

English

Product Specifications

System Connector/Header, MTA 156

English

Product Environmental Compliance

TE Material Declaration

641208-6

MTA 156, PCB Mount Header, Vertical, Wire-to-Board, 6 Position, 3.96mm [.156in]
Centerline, 1 Row, Gold, Natural Housing Color, Partially Shrouded



English