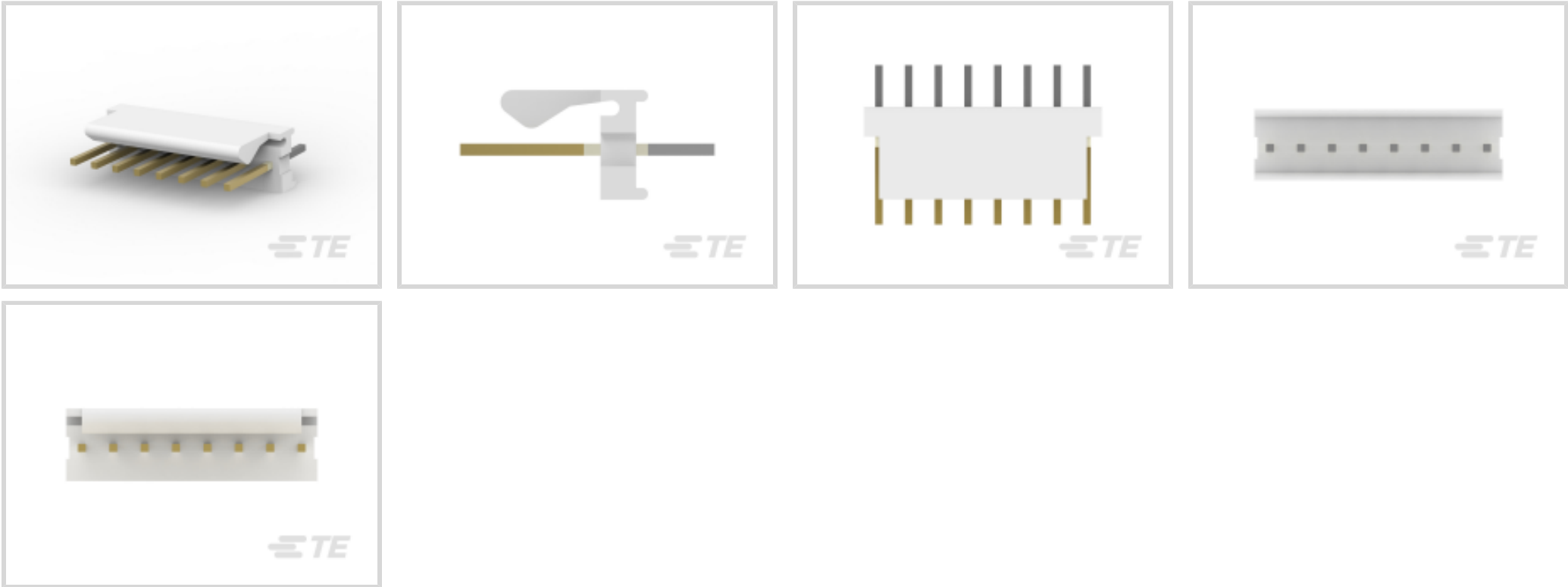




Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **8**

Centerline (Pitch): **2.54 mm [.1 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

PCB Mount Orientation	Vertical
Number of Positions	8
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Contact Layout	Inline
Contact Mating Area Length	7.49 mm[.295 in]



Mating Square Post Dimension	.64 mm[.025 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	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	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)	5 A

Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Post & Tail Length	3.56 mm[.14 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	Cable Mount (Free-Hanging)

Housing Features

Centerline (Pitch)	2.54 mm[.1 in]
Housing Color	Natural
Housing Material	Polyester - GF



Dimensions

Connector Length	22.86 mm[.9 in]
Connector Height	7.87 mm[.31 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	Signal
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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	1
Packaging Method	Package

Product Compliance

For compliance documentation, visit the product page on TE.com>

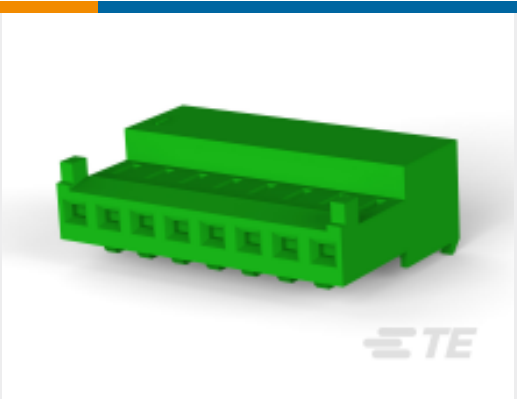
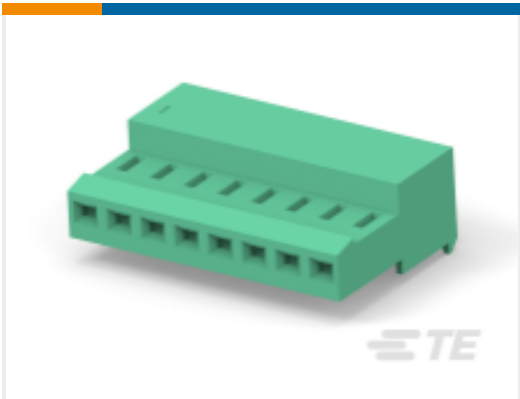
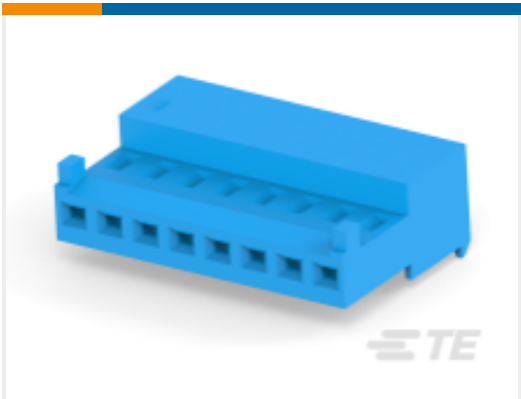
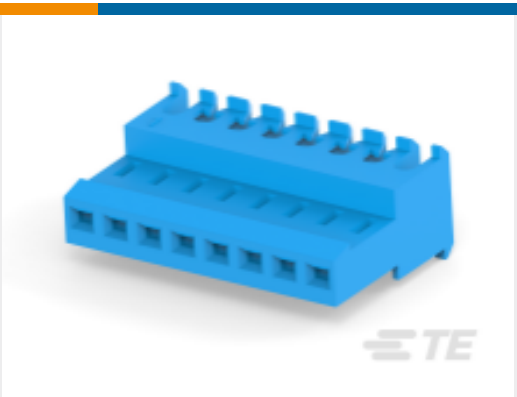
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUN 2020 (209) Candidate List Declared Against: JUN 2020 (209) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Hand solderable with lead free solder

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 # 643075-8 08P MTA100 MOLDED COVER	 TE Part # 640642-8 08P MTA100 COVER F/T	 TE Part # 640550-8 08P MTA100 COVER	 TE Part # 3-644044-8 08P MTA100 CONN ASSY LF
 TE Part # 3-641241-8 08P MTA100 CONN ASSY RED LF	 TE Part # 643077-8 08P MTA100 MOLDED COVER F/T	 TE Part # 1375820-8 CST-100 II HOUSING 8 POS	 TE Part # 3-644042-8 08P MTA100 CONN ASSY LF
 TE Part # 3-641240-8 08P MTA100 CONN ASSY GRN LF	 TE Part # 3-644043-8 08P MTA100 CONN ASSY LF	 TE Part # 3-641237-8 08P MTA100 CONN ASSY RED 30AU	 TE Part # 3-641238-8 08P MTA100 CONN ASSY NATL 30AU
 TE Part # 3-644020-8 08P MTA100 CONN ASSY 30AU	 TE Part # 3-641239-8 08P MTA100 CONN ASSY BLU LF	 TE Part # 3-641242-8 08P MTA100 CONN ASSY NATL	 TE Part # 3-641243-8 08 CIR MTA-100 CONN BLUE LF

3-641215-8

MTA 100, PCB Mount Header, Vertical, Wire-to-Board, 8 Position, 2.54mm [.1in] Centerline, 1 Row, Gold, Natural Housing Color, Unshrouded



TE Part # 3-641244-8
08 CIR MTA-100 CONN GREN LF

TE Part # 3-644702-8
08P MTA100 CONN ASSY F/T LF

TE Part # 3-644726-8
08P MTA100 CONN ASSY W/TB LF

TE Part # 641239-8
08P MTA100 CONN ASSY BLU 30AU

Also in the Series | MTA 100

Insertion & Extraction Tools(2)

PCB Connector Covers(107)

PCB Connector Keying(1)

Standard Rectangular Connectors (1730)

Wire-to-Board Connector Contacts(18)

Wire-to-Board Headers & Receptacles (1182)

Customers Also Bought

TE Part #3-641126-5
05P MTA100 HDR ASY FL/STR LF

TE Part #4-794632-4
14P MICRO MNL ASSY,VRT,HDR,LF

TE Part #3-641215-4
04P MTA100 HDR ASSY FL/ST 30AU

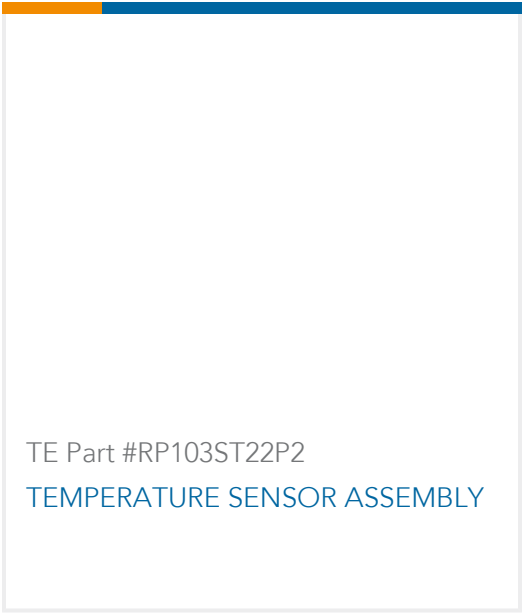
TE Part #3-641215-7
07P MTA100 HDR ASSY FL/ST 30AU

TE Part #3-641121-3
03P MTA156 HDR ASSY FL/RA LF

TE Part #3-641210-2
02P MTA156 HDR FLRA FB 30AU LF

TE Part #3-641126-6
06P MTA100 HDR ASY FL/STR LF

TE Part #641215-5
05P MTA100 HDR ASSY FL/ST 30AU



Documents

Product Drawings

08P MTA100 HDR ASSY FL/ST 30AU

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-641215-8_Z.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-641215-8_Z.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-641215-8_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

Application Specification

English

Product Environmental Compliance

MD_3-641215-8_063020152338_dmtec

English

MD_3-641215-8_063020152338_dmtec

English

Agency Approvals

Agency Approval Document

English