

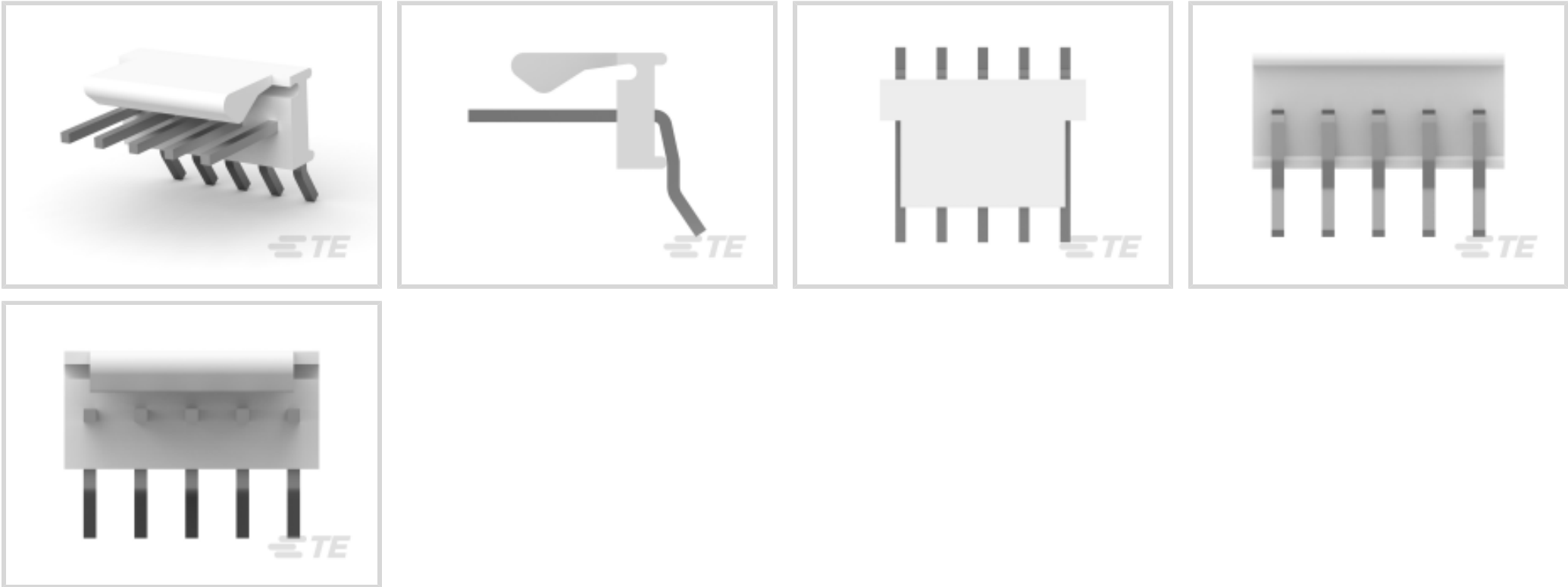


MTA | MTA 100

TE Internal #: 644875-5
MTA 100, PCB Mount Header, Right Angle, Wire-to-Board, 5
Position, 2.54mm [.1in] Centerline, 1 Row, Tin, Natural,
Unshrouded, Printed Circuit Board

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



PCB Connector Assembly Type: **PCB Mount Header**
PCB Mount Orientation: **Right Angle**
Connector System: **Wire-to-Board**
Number of Positions: **5**
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

Number of Columns	5
PCB Mount Orientation	Right Angle
Number of Positions	5
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Contact Layout	Inline
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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 µm[150 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	3.81 µm[150 µin]
Contact Type	Post
Contact Current Rating (Max)	5 A

Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Post & Tail Length	3.43 mm[.135 in]
Termination Method to Wire & Cable	Solder
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Right Angle Bending Side	Front
Centerline (Pitch)	2.54 mm[.1 in]
Housing Color	Natural



Housing Material	Polyester - GF
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Dimensions

Connector Length	12.7 – 12.7 mm[.5 – .5 in]
Connector Height	5.72 mm[.225 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: JAN 2020 (205) Candidate List Declared Against: JUL 2019 (201) Does not contain REACH SVHC
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JUL 2019 (201)
Halogen Content	Not Low Halogen - contains Br or Cl > 900



ppm.

Solder Process Capability	Wave solder capable to 265°C
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Product Compliance Disclaimer

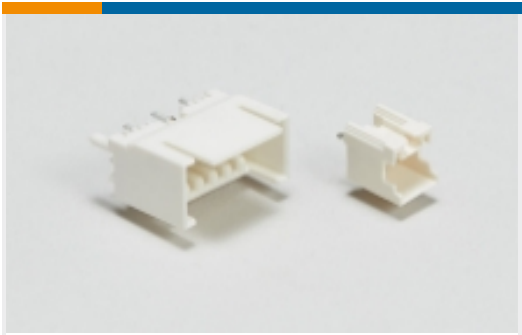
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

TE Model / Part # 1375820-5
CST-100 II HOUSING 5 POS

Also in the Series | MTA 100

PCB Connector Covers(107)	PCB Connector Keying(1)	Standard Rectangular Connectors (1730)	Wire-to-Board Connector Contacts(18)



Wire-to-Board Headers & Receptacles
(1207)

Customers Also Bought



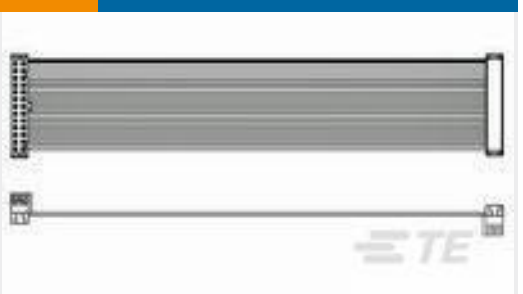
TE Model / Part #4-794636-8
18P MICRO MNL ASSY,VRT,SMT,LF



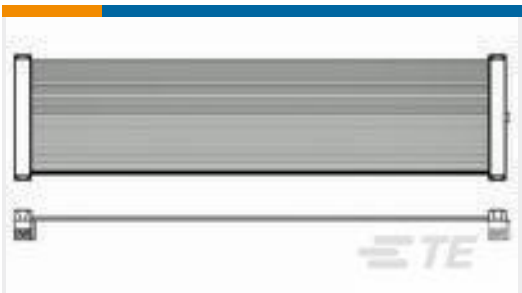
TE Model / Part #1-640388-8
18P MTA156 HDR ASSY RN STR F/L



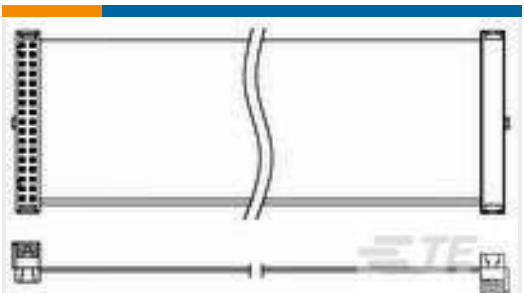
TE Model / Part #644875-6
06P MTA100 HDR ASSY F/L,SP BND



TE Model / Part #1537976-1
CABLE ASSEMBLY



TE Model / Part #1537975-1
CABLE ASSEMBLY



TE Model / Part #1929424-1
Cable Assembly



TE Model / Part #2-826629-4
24P AMPMODU II STIFT LEI



TE Model / Part #2-826631-4
24P MOD2 STIFT LEI

Documents

Product Drawings

05P MTA100 HDR ASSY F/L,SP BND

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_644875-5_D.3d_igs.zip

English

Customer View Model

ENG_CVM_644875-5_D.3d_stp.zip

English

Customer View Model

ENG_CVM_644875-5_D.2d_dxf.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

Agency Approvals
Agency Approval Document
English