

2-644488-5 ✓ ACTIVE

MTA | MTA 100

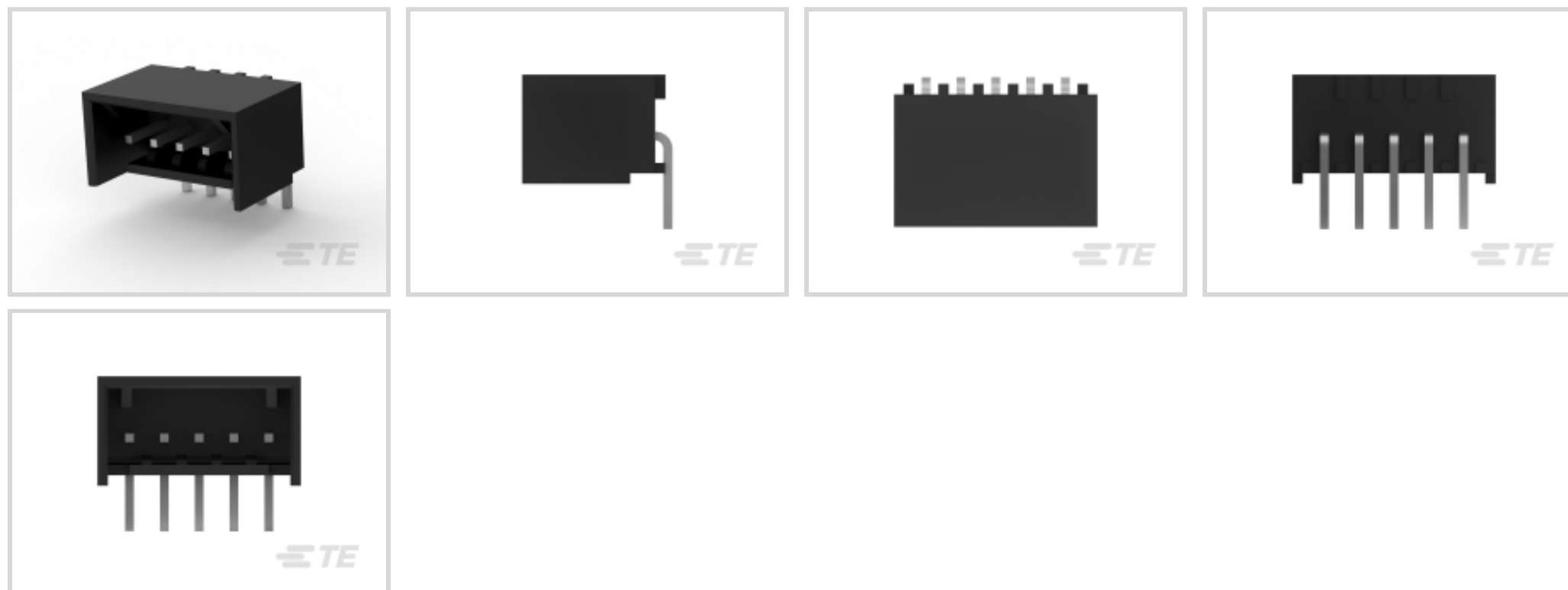
TE Internal #: 2-644488-5

MTA 100, PCB Mount Header, Right Angle, Wire-to-Board, 5 Position, 2.54mm [.1in] Centerline, 1 Row, Tin, Black Housing Color, Shrouded

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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	Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

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
Contact Mating Area Length	5.1 mm[.2 in]



Mating Square Post Dimension	.64 mm[.025 in]
Contact Retention Within Housing	Without
PCB Contact Termination Area Plating Material Thickness	3.81 – 6.3 µm[150 – 250 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 – 6.3 µm[150 – 250 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	3.3 mm[.13 in]
Termination Method to Wire & Cable	Solder
Termination Method to Printed Circuit Board	Through Hole - Solder

#### Mechanical Attachment

Strain Relief	Without
Mating Alignment Type	Polarizing Tab
Mating Alignment	With
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

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



Housing Color	Black
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Housing Material	Polyester - GF
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### Dimensions

Connector Length	17.37 mm[.684 in]
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Connector Height	10.41 mm[.41 in]
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PCB Thickness (Recommended)	1.6 mm[.063 in]
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### 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
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UL Flammability Rating	UL 94V-0
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Agency/Standard	CSA, UL
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CSA File Number	LR7189
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UL Rating	Recognized
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UL File Number	E28476
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### Packaging Features

Packaging Quantity	500
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Packaging Method	Box & Carton
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### Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUN 2020 (209) Candidate List Declared Against: JAN 2020 (205) Does not contain REACH SVHC
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Wave solder capable to 240°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 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

 <p>TE Model / Part # 3-644565-5 05P MTA100 CONN ASSY F/T 28AWG</p>	 <p>TE Model / Part # 3-644540-5 05P MTA100 CONN ASSY F/T W/LCK</p>	 <p>TE Model / Part # 3-644563-5 05P MTA100 CONN ASSY F/T 24AWG</p>	 <p>TE Model / Part # 640550-5 05P MTA100 COVER</p>
 <p>TE Model / Part # 3-643814-5 05P MTA100 CONN ASSY POL RIB</p>	 <p>TE Model / Part # 643077-5 05P MTA100 MOLDED COVER F/T</p>	 <p>TE Model / Part # 3-643815-5 05P MTA100 CONN ASSY POL RIB</p>	 <p>TE Model / Part # 643075-5 05P MTA100 MOLDED COVER</p>
 <p>TE Model / Part # 3-643813-5 05P MTA100 CONN ASSY POL RIB</p>	 <p>TE Model / Part # 3-644512-5 05P MTA100 CONN ASSY TAPE LF</p>	 <p>TE Model / Part # 3-644511-5 05P MTA100 CONN ASSY ON TAPE</p>	 <p>TE Model / Part # 640642-5 05P MTA100 COVER F/T</p>



TE Model / Part # 3-644564-5  
05P MTA100 CONN ASSY F/T 26AWG



TE Model / Part # 3-643816-5  
05P MTA100 CONN ASSY POL RIB



TE Model / Part # 3-641536-5  
05P MTA100 CONN ASSY 26AWG

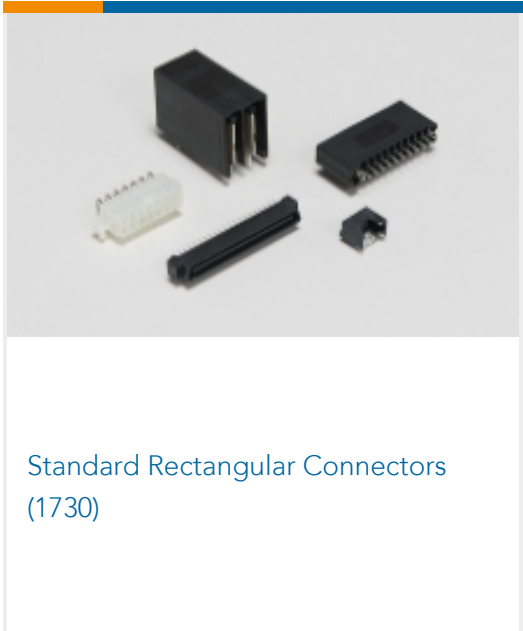
### Also in the Series | MTA 100



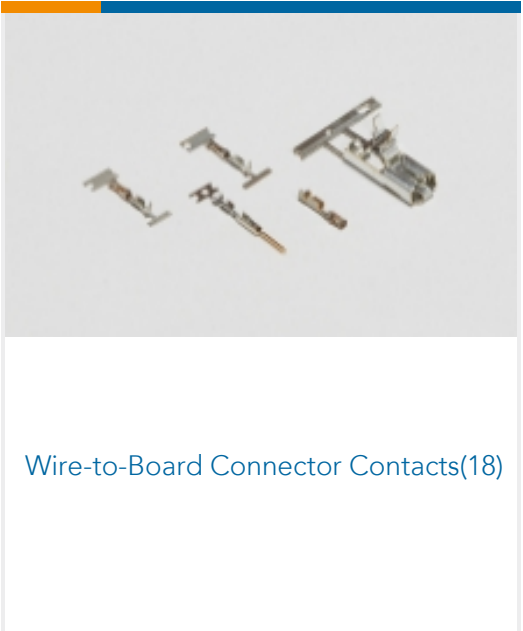
PCB Connector Covers(107)



PCB Connector Keying(1)



Standard Rectangular Connectors  
(1730)



Wire-to-Board Connector Contacts(18)



Wire-to-Board Headers & Receptacles  
(1192)

### Customers Also Bought



TE Model / Part #3-1393766-8  
R10-E1Y2-S800=R10



TE Model / Part #350990-4  
09P UMNL HDR ASSY LNG/TL



TE Model / Part #2-644488-2  
02P MTA100 SHRD HDR F/L R/A SN



TE Model / Part #2-644488-3  
03P MTA100 SHRD HDR F/L R/A SN



TE Model / Part #2-644488-4  
04P MTA100 SHRD HDR F/L R/A SN



TE Model / Part #350992-4  
15P UMNL HDR ASSY LNG/TL



TE Model / Part #103149-8  
16 MODII HDR DRRA B/A .100CL



TE Model / Part #787170-5  
50 50SR R/A RCPT ASSY,REDESIGN



## Documents

### Product Drawings

[05P MTA100 SHRD HDR F/L R/A SN](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2-644488-5\\_K\\_c-2-644488-5-k.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-644488-5\\_K\\_c-2-644488-5-k.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-644488-5\\_K\\_c-2-644488-5-k.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

[Product Specification](#)

English

### Product Environmental Compliance

[TE Material Declaration](#)

English

### Agency Approvals

[CSA Certificate](#)

English