

2-644486-7 ✓ ACTIVE

MTA | MTA 100

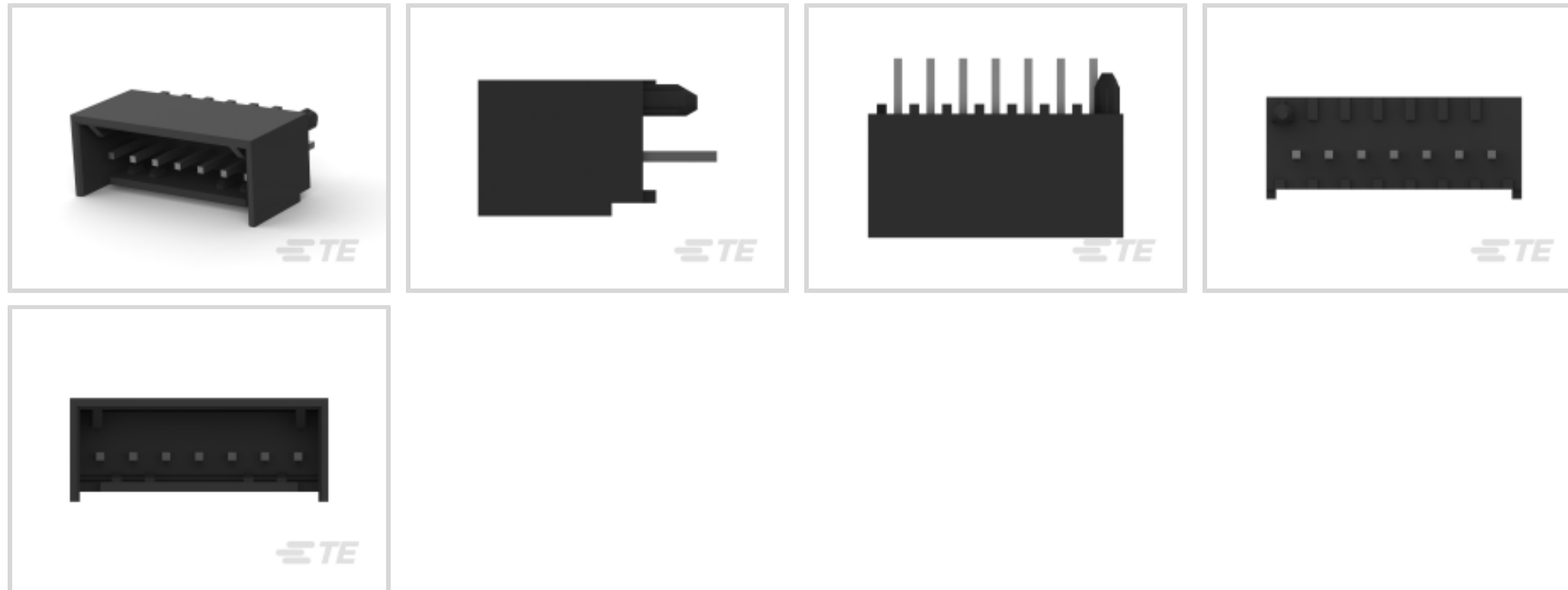
TE Internal #: 2-644486-7

MTA 100, PCB Mount Header, Vertical, Wire-to-Board, 7 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: **Vertical**

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

Number of Positions: **7**

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	Vertical
Number of Positions	7
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	3.56 mm[.14 in]
Termination Method to Wire & Cable	Solder
Termination Method to Printed Circuit Board	Through Hole - Solder

#### Mechanical Attachment

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

#### Housing Features

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

### Dimensions

Connector Length	22.45 mm[.884 in]
Connector Height	10.41 mm[.41 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	1000
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: JAN 2020 (205) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.

## Solder Process Capability

## Wave solder capable to 240°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>

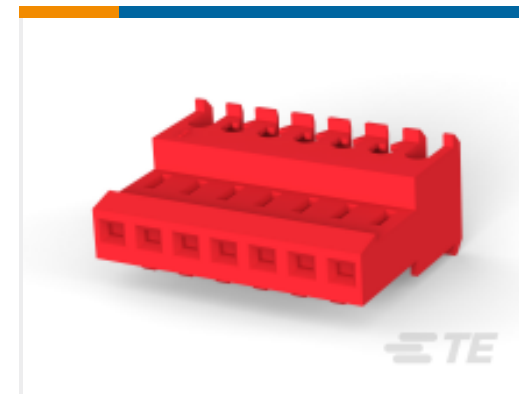
## Compatible Parts



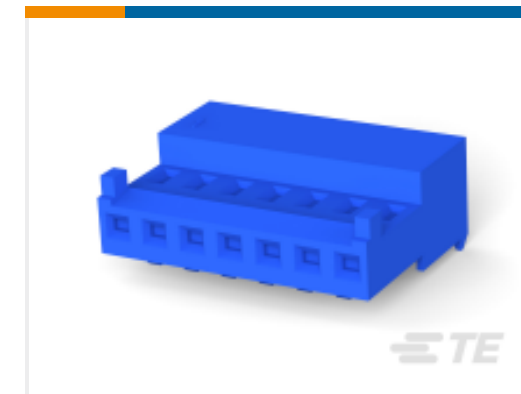
TE Model / Part # 3-640441-7  
07P MTA100 CONN ASSY WHT



TE Model / Part # 643077-7  
07P MTA100 MOLDED COVER F/T



TE Model / Part # 3-640620-7  
07P MTA100 CONN ASSY F/T RED



TE Model / Part # 3-643815-7  
07P MTA100 CONN ASSY POL RIB



TE Model / Part # 3-643816-7  
07P MTA100 CONN ASSY POL RIB



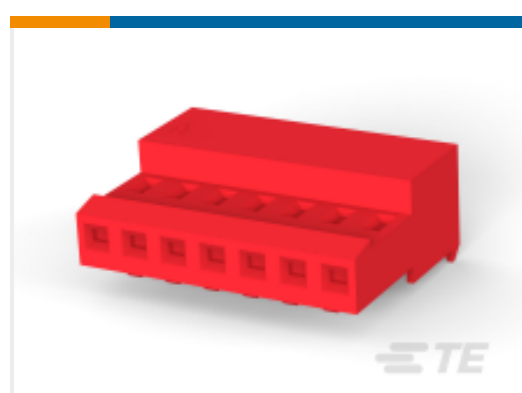
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07P MTA100 CONN ASSY BLU



TE Model / Part # 640550-7  
07P MTA100 COVER



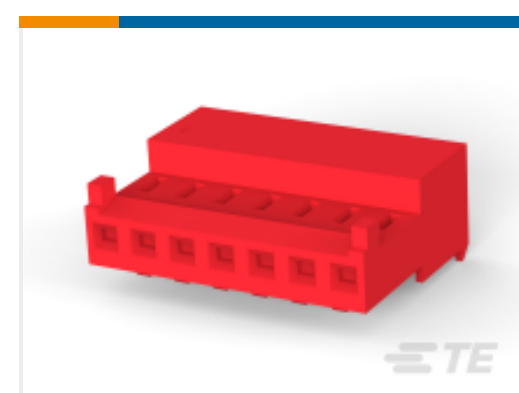
TE Model / Part # 3-644563-7  
07P MTA100 CONN ASSY F/T 24AWG



TE Model / Part # 3-640440-7  
07P MTA100 CONN ASSY 22AWG RED



TE Model / Part # 3-643814-7  
07P MTA100 CONN ASSY POL RIB



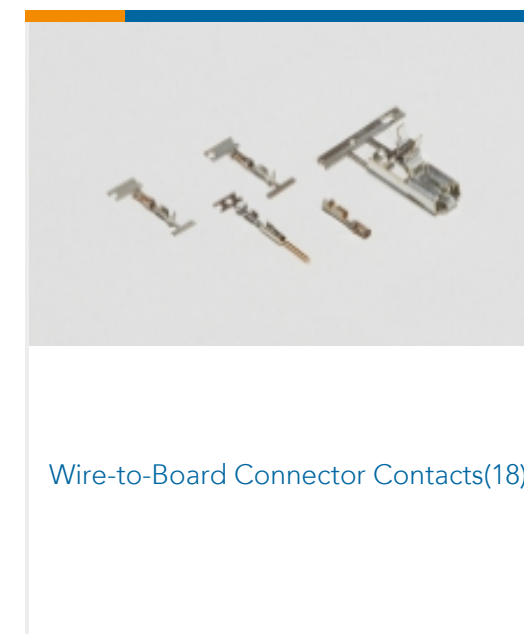
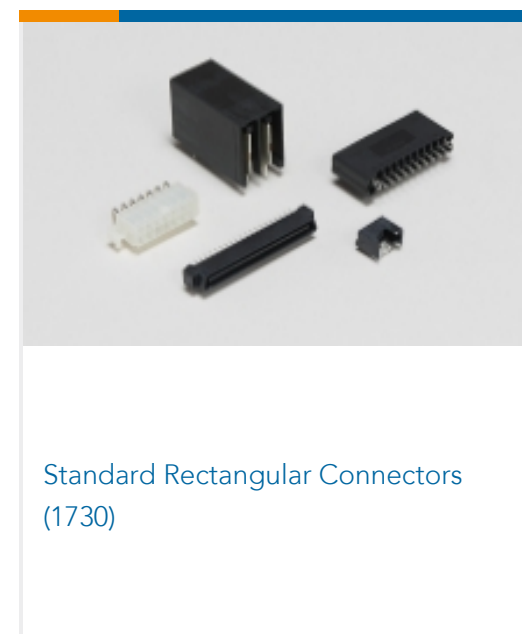
TE Model / Part # 3-643813-7  
07P MTA100 CONN ASSY POL RIB



TE Model / Part # 644943-7  
07P MTA100 CONN ASSY 22AWG BLK



## Also in the Series | MTA 100



## Customers Also Bought

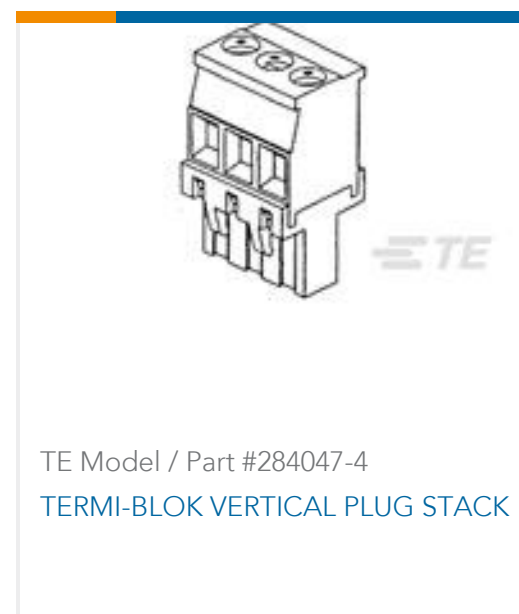




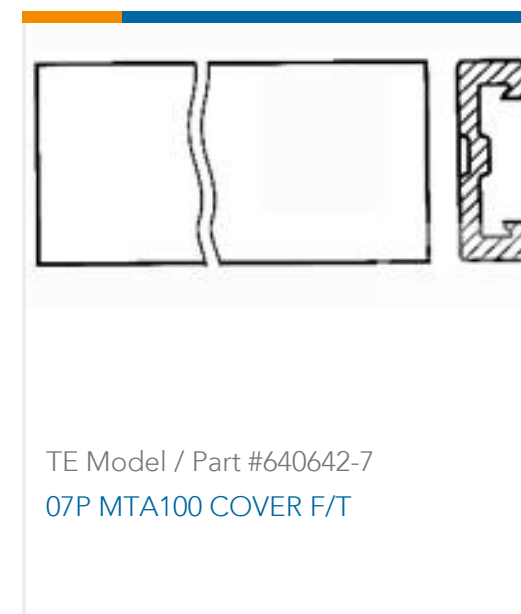
TE Model / Part #2-644486-5  
07P MTA100 SHRDED HDR ASSY SN



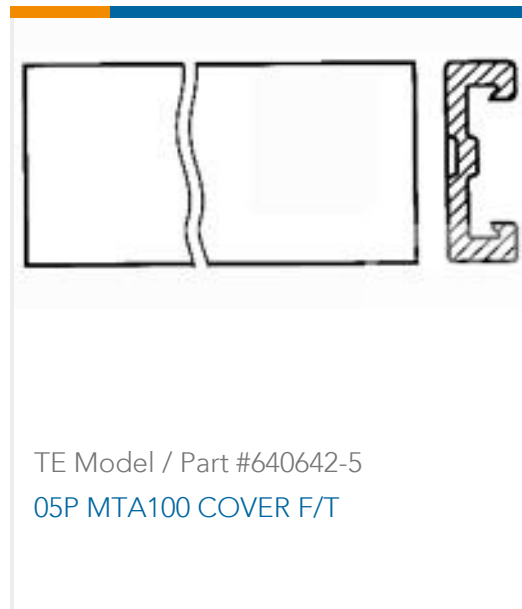
TE Model / Part #5-103080-7  
09 MODII HDR SRST SHRD .100CL



TE Model / Part #284047-4  
TERMI-BLOK VERTICAL PLUG STACK



TE Model / Part #640642-7  
07P MTA100 COVER F/T



TE Model / Part #640642-5  
05P MTA100 COVER F/T



TE Model / Part #770743-1  
10P MINI UMNL HDR ASSY D/R VRT

## Documents

### Product Drawings

#### 07P MTA100 SHRDED HDR ASSY SN

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2-644486-7\\_J\\_c-2-644486-7-j.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2-644486-7\\_J\\_c-2-644486-7-j.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2-644486-7\\_J\\_c-2-644486-7-j.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

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[Agency Approvals](#)

[CSA Certificate](#)

English