

2-644486-9 ✓ ACTIVE

MTA | MTA 100

TE Internal #: 2-644486-9

MTA 100, PCB Mount Header, Vertical, Wire-to-Board, 9 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: **9**

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 | 9 |
| Number of Rows | 1 |

Electrical Characteristics

| | |
|-------------------|---------|
| Operating Voltage | 250 VAC |
|-------------------|---------|

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

| | |
|--|--|
| | |
|--|--|



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

Dimensions

| | |
|-----------------------------|------------------|
| Connector Length | 7.21 mm[.284 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] |
|-----------------------------|----------------------------|

Operation/Application

| | |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

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 | 895 |
| 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 # 3-643814-9
09P MTA100 CONN ASSY POL RIB



TE Model / Part # 3-643813-9
09P MTA100 CONN ASSY POL RIB



TE Model / Part # 3-640442-9
09P MTA100 CONN ASSY BLU



TE Model / Part # 3-640441-9
09P MTA100 CONN ASSY WHT



TE Model / Part # 643075-9
09P MTA100 MOLDED COVER



TE Model / Part # 3-640440-9
09P MTA100 CONN ASSY 22AWG RED



TE Model / Part # 4-644511-9
09P MTA100 CONN ASSY ON TAPE



TE Model / Part # 3-643815-9
09P MTA100 CONN ASSY POL RIB



TE Model / Part # 3-644563-9
09P MTA100 CONN ASSY F/T 24AWG



TE Model / Part # 3-640620-9
09P MTA100 CONN ASSY F/T RED



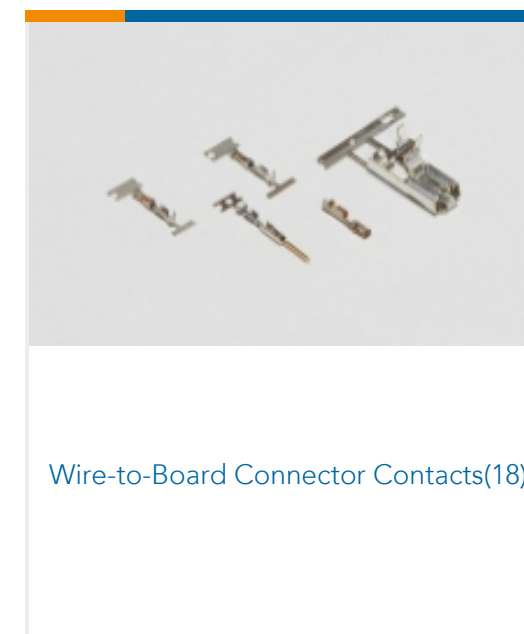
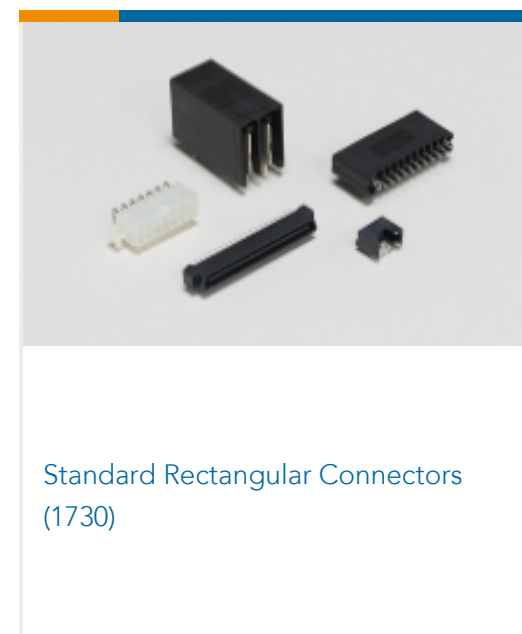
TE Model / Part # 3-640621-9
09P MTA100 CONN ASSY F/T NATL



TE Model / Part # 643077-9
09P MTA100 MOLDED COVER F/T



Also in the Series | **MTA 100**

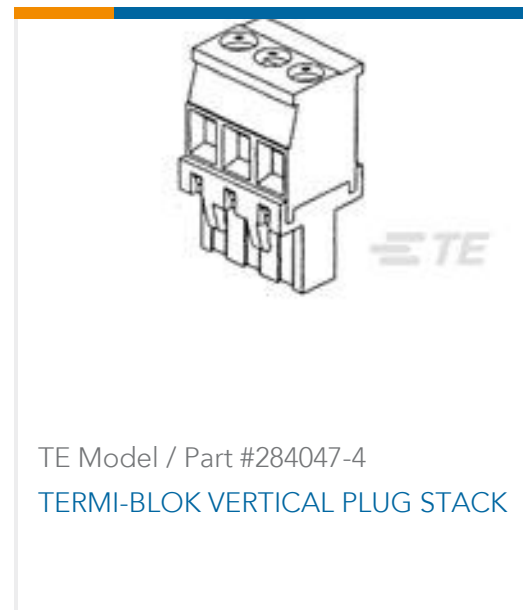


Customers Also Bought





TE Model / Part #770262-1
06P UMNL SOK HDR ASSY 94VO



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



TE Model / Part #6-102203-0
13 MODII HDR SRRA SHRDLF



TE Model / Part #5-146762-9
04 MODII RCPT VERT DR



TE Model / Part #6-146762-0
06 MODII RCPT VERT DR



TE Model / Part #225107N001
D-1744-04CS378

Documents

Product Drawings

09P MTA100 SHRDED HDR ASSY SN

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2-644486-9_J_c-2-644486-9-j.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-644486-9_J_c-2-644486-9-j.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-644486-9_J_c-2-644486-9-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

[Agency Approvals](#)

[CSA Certificate](#)

English