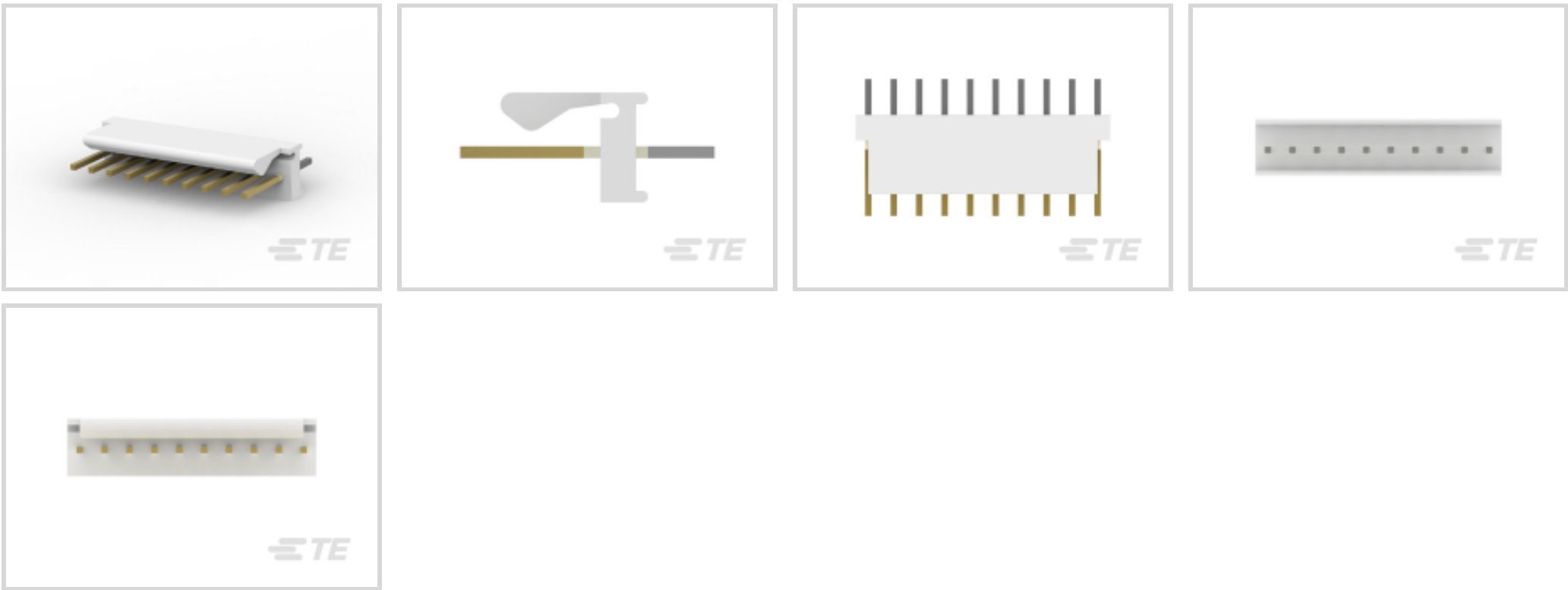




Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Headers & Receptacles >

Polyester Vertical PCB Header: 2.54mm, Unshrouded, No Mating Alignment



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **10**

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

[All Polyester Vertical PCB Header: 2.54mm, Unshrouded, No Mating Alignment \(332\)](#)

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| PCB Connector Assembly Type | PCB Mount Header |
| Connector System | Wire-to-Board |
| Header Type | Partially Shrouded |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

| | |
|-----------------------|----------|
| PCB Mount Orientation | Vertical |
| Number of Positions | 10 |
| Number of Rows | 1 |

Electrical Characteristics

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



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 | .38 µm[15 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 | 27.94 mm[1.1 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] |
|-----------------------------|----------------------------|

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 | 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 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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 # CAT-104MTA-NGPNR
Nylon Gold Plated Receptacle: 2.54 mm, No Mating Alignment, MTA 100



TE Part # CAT-104MTA-NYLCC
Nylon PCB Connector Covers: 2.54 mm, MTA 100




TE Part # CAT-104MTA-PLSCC
Polyester PCB Connector Covers: 2.54 mm, MTA 100




TE Part # CAT-104MTA-NGPMR
Nylon Gold Plated Receptacle: 2.54 mm, With Mating Alignment, MTA 100


Also in the Series | MTA 100




Insertion & Extraction Tools(2)




PCB Connector Covers(107)



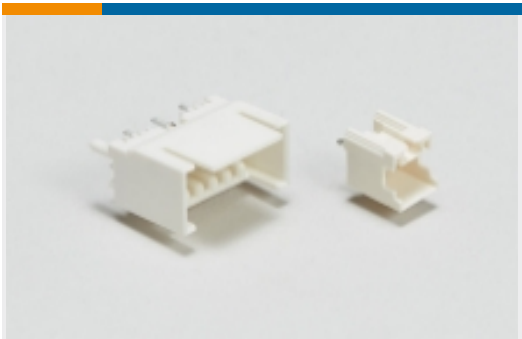
PCB Connector Keying(1)



Standard Rectangular Connectors (1730)



Wire-to-Board Connector Contacts(18)



Wire-to-Board Headers & Receptacles (1182)

Customers Also Bought



TE Part #3-641126-4
Polyester Vertical PCB Header: 2.54 mm, Unshrouded, No Mating Alignment

TE Part #207120-8
METRIMATE PIN HEADER ASSY,12P

TE Part #3-641119-2
02P MTA156 HDR ASSY FL/ST LF

TE Part #1-207441-0
METRIMATE PIN HDR ASY,9P LF

TE Part #1734035-1
MINI USB, TYPE B, R/A, SMT

TE Part #2176308-3
RP 1E 0.1W 140K 0.1% 25PPM 5K RL

TE Part #1986647-1
SKT HDR ASSY,9P,MMATE LF

TE Part #DRC13-40PB
DEUTSCH DRC HEADERS

TE Part #3-641120-4
04P MTA156 HDR ASSY FL/ST LF

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-641126-0_AC.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_4-641126-0_AC.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-641126-0_AC.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

TE Material Declaration

English

Agency Approvals

Agency Approval Document

English