



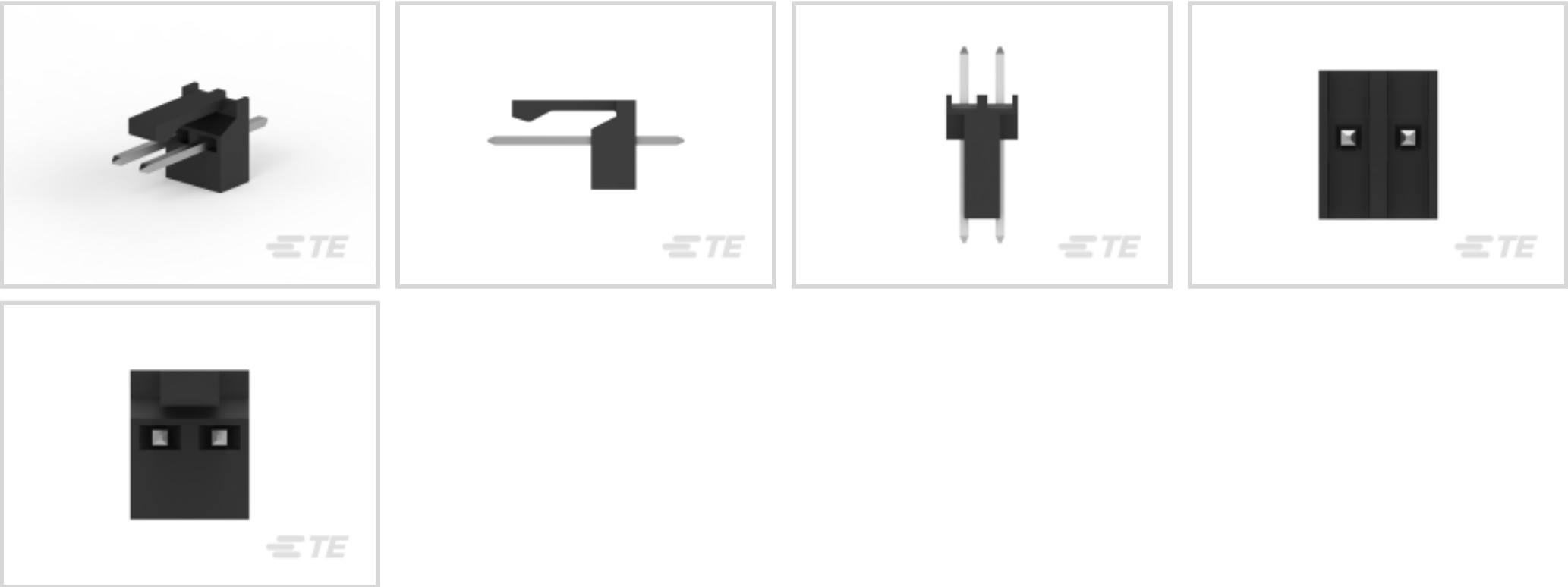
MTA 100

TE Internal #: 3-647050-2

PCB Mount Header, Vertical, Wire-to-Board, 2 Position, 2.54 mm [.1 in] Centerline, Partially Shrouded, Tin, Through Hole - Solder, Signal, MTA 100

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles > Nylong Vertical PCB Header: 2.54mm, Through Hole, MTA 100



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

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

Number of Positions: **2**

Number of Rows: **1**

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

[All Nylong Vertical PCB Header: 2.54mm, Through Hole, MTA 100 \(25\)](#)

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

|                       |          |
|-----------------------|----------|
| Number of Positions   | 2        |
| Number of Rows        | 1        |
| PCB Mount Orientation | Vertical |

Electrical Characteristics

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

Body Features

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



|                       |       |
|-----------------------|-------|
| Primary Product Color | Black |
|-----------------------|-------|

Contact Features

|                                                         |                              |
|---------------------------------------------------------|------------------------------|
| Contact Mating Area Length                              | 7.37 mm[.29 in]              |
| Mating Square Post Dimension                            | .64 mm[.025 in]              |
| PCB Contact Termination Area Plating Material Thickness | 3.81 – 6.3 µm[150 – 250 µin] |
| Contact Layout                                          | Inline                       |
| Contact Underplating Material Thickness                 | 1.27 µm[50 µin]              |
| Contact Mating Area Plating Material Thickness          | 3.81 – 6.3 µm[150 – 250 µin] |
| PCB Contact Termination Area Plating Material Finish    | Matte                        |
| Contact Shape & Form                                    | Square                       |
| Contact Mating Area Plating Material Finish             | Matte                        |
| Contact Underplating Material                           | Nickel                       |
| PCB Contact Termination Area Plating Material           | Tin                          |
| Contact Base Material                                   | Copper Alloy                 |
| Contact Mating Area Plating Material                    | Tin                          |
| Contact Type                                            | Pin                          |
| Contact Current Rating (Max)                            | 5 A                          |

Termination Features

|                                          |                       |
|------------------------------------------|-----------------------|
| Square Termination Post & Tail Dimension | .64 mm[.025 in]       |
| Termination Post & Tail Length           | 3.43 mm[.135 in]      |
| Termination Method to PCB                | Through Hole - Solder |

Mechanical Attachment

|                         |               |
|-------------------------|---------------|
| Mating Alignment Type   | Polarization  |
| Mating Retention        | With          |
| Panel Mount Feature     | Without       |
| Mating Retention Type   | Friction Lock |
| Connector Mounting Type | Board Mount   |
| Mating Alignment        | With          |
| PCB Mount Alignment     | Without       |
| PCB Mount Retention     | Without       |

Housing Features

|                    |                |
|--------------------|----------------|
| Housing Material   | Nylon 4/6      |
| Centerline (Pitch) | 2.54 mm[.1 in] |



Dimensions

|                             |                  |
|-----------------------------|------------------|
| Connector Height            | 8.81 mm[.34 in]  |
| PCB Thickness (Recommended) | 1.57 mm[.062 in] |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

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

Industry Standards

|                                             |                       |
|---------------------------------------------|-----------------------|
| Compatible With Agency/Standards Products   | CSA, UL               |
| Compatible With Approved Standards Products | CSA LR7189, UL E28476 |
| UL Flammability Rating                      | UL 94V-0              |

Packaging Features

|                    |         |
|--------------------|---------|
| Packaging Quantity | 500     |
| 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: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>Does not contain REACH SVHC |
| Halogen Content                               | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free                                             |
| Solder Process Capability                     | Pin-in-Paste capable to 260°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 Part # CAT-104MTA-NTPNR  
MTA Receptacle: Nylon, Tin Plated, 2.54 mm

TE Part # CAT-104MTA-NTPMR  
Nylon Tin Plated Receptacle: 2.54 mm, with Mating Alignment, MTA 100

TE Part # 1375820-2  
CST-100 II HOUSING 2 POS

TE Part # 640550-2  
02P MTA100 COVER

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

Also in the Series | MTA 100

Connector Caps & Covers(69)

Connector Contacts(8)

Connector Hardware(1)

Insertion & Extraction Tools(2)

PCB Headers & Receptacles(441)

Standard Rectangular Connectors(495)

Wire-to-Board Connector Assemblies & Housings(1)

Customers Also Bought



TE Part #3-647609-2  
02P MTA100 HDR ASSY F/L LF



TE Part #1415030-1  
PB134005



TE Part #1437566-4  
FSMSMTR=TACT SWITCH



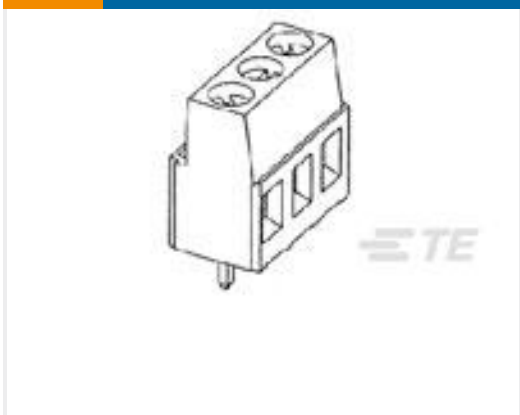
TE Part #1903814-1  
INDUSTRIAL USB REC ASSY R/A 1ROW



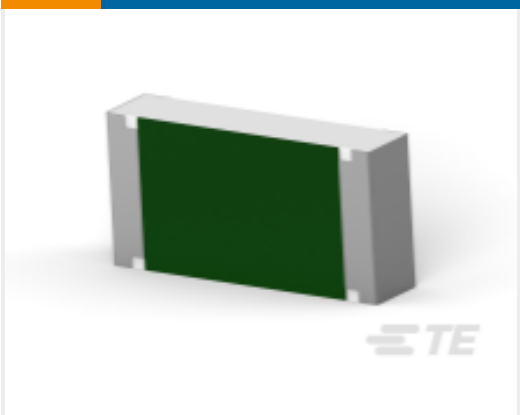
TE Part #1-84953-6  
1MM FPC HORZ.TOP CONT.ASSY 16P



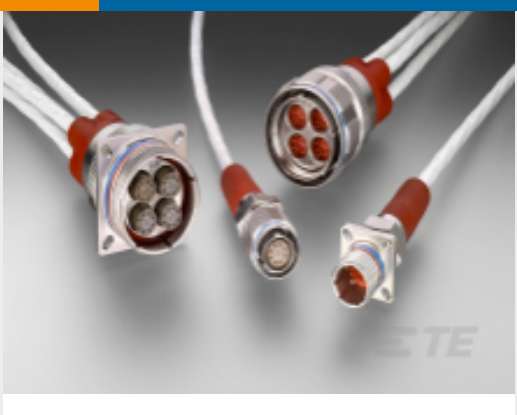
TE Part #1761686-9  
IDC LOW PRO HDR 26P VERT LG LAT



TE Part #1-796683-6  
TERMI-BLOK PCB MOUNT 90 16P.



TE Part #7-2176398-2  
3502 1R2 5%



TE Part #YCFX26W1108GZN0000  
PLUG ASSY

Documents

Product Drawings

02P MTA100 HDR ASSY F/L HITEMP

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_3-647050-2\_J\_c-3-647050-2-j.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-647050-2\_J\_c-3-647050-2-j.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-647050-2\_J\_c-3-647050-2-j.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications



Application Specification

English

Agency Approvals

Agency Approval Document

English