# 2-640456-7 V ACTIVE

#### MTA 100

TE Internal #: 2-640456-7

PCB Mount Header, Vertical, Wire-to-Board, 27 Position, 2.54 mm [.

1 in] Centerline, Partially Shrouded, Tin, Through Hole - Solder,

Signal, MTA 100

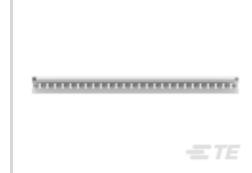
View on TE.com >



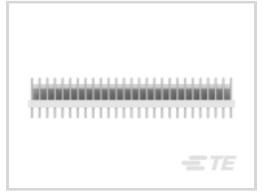
Connectors > PCB Connectors > PCB Headers & Receptacles > PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment











Connector System: Wire-to-Board

Number of Positions: 27

Number of Rows: 1

Centerline (Pitch): 2.54 mm [ .1 in ]
PCB Mount Orientation: Vertical

All PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment (134)

### **Features**

### **Product Type Features**

Connector System	Wire-to-Board	
Header Type	Partially Shrouded	
Sealable	No	
Connector & Contact Terminates To	Printed Circuit Board	
PCB Connector Assembly Type	PCB Mount Header	
Configuration Features		
Number of Positions	27	
Number of Rows	1	
PCB Mount Orientation	Vertical	

250 VAC

Operating Voltage



Contact Mating Area Length 7.49 mm[.295 in]  Mating Square Post Dimension .64 mm[.025 in]  PCB Contact Termination Area Plating Material Thickness 3.81 µm[150 µin]  Contact Layout Inline  Contact Underplating Material Thickness 1.27 µm[50 µin]  Contact Mating Area Plating Material Thickness 3.81 µm[150 µin]  PCB Contact Termination Area Plating Material Finish Matte  Contact Shape & Form Square  Contact Mating Area Plating Material Finish Matte  Contact Underplating 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
Mating Square Post Dimension       .64 mm[.025 in]         PCB Contact Termination Area Plating Material Thickness       3.81 μm[150 μin]         Contact Layout       Inline         Contact Underplating Material Thickness       1.27 μm[50 μin]         Contact Mating Area Plating Material Thickness       3.81 μm[150 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
PCB Contact Termination Area Plating Material Thickness 3.81 µm[150 µin]  Contact Layout Inline  Contact Underplating Material Thickness 1.27 µm[50 µin]  Contact Mating Area Plating Material Thickness 3.81 µm[150 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 Mating Area Plating Material Tin  Contact Type Pin
Contact Layout  Contact Underplating Material Thickness  1.27 µm[50 µin]  Contact Mating Area Plating Material Thickness  3.81 µm[150 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  Contact Mating Area Plating Material  Tin  Contact Mating Area Plating Material  Tin  Contact Type  Pin
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PCB Contact Termination Area Plating Material  Contact Base Material  Contact Mating Area Plating Material  Tin  Tin  Contact Type  Pin
Contact Base Material  Contact Mating Area Plating Material  Tin  Contact Type  Pin
Contact Mating Area Plating Material  Contact Type  Pin
Contact Type Pin
71
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 Printed Circuit Board 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 Polyester - GF
Centerline (Pitch) 2.54 mm[.1 in]



#### **Dimensions**

Connector Length	68.58 mm[2.7 in]
Connector Height	5.72 mm[.225 in]
Connector Width	10.79 mm[.425 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	
	$\mathbf{c}$	

## **Industry Standards**

Agency/Standard	CSA, UL
Approved Standards	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0

### **Packaging Features**

Packaging Quantity	1000
Packaging Type	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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Hand solderable with tin/lead 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-onreach

## Also in the Series MTA 100



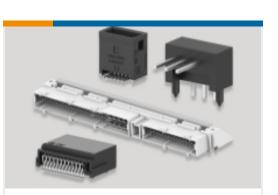
Insertion & Extraction Tools(2)



PCB Connector Covers(69)



PCB Connector Keying(1)



PCB Headers & Receptacles(440)



Standard Rectangular Connectors (495)



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



Wire-to-Board Connector Contacts(8)

# Customers Also Bought



2VK1=F7133 S0



TE Part #5-1625971-7 HSA25 560R 5%



TE Part #1-644752-2 12P MTA156 HDR ASSY SQ STR F/L



TE Part #1586848-1 12P UMNL PLUG HSG, GW



CRGP 0805 330R 1%



TE Part #2-406541-3 MJ,INV,1X1,6PNL G,.100"ST,SN, NARROW POST



TE Part #6364288-1 INV MJ,1X1,PNL GRD,RJ11BLOCK,BLK



### **Documents**



### **Product Drawings**

27P MTA100 HDR ASSY F/L SQ STR

English

### **CAD Files**

**Customer View Model** 

ENG\_CVM\_CVM\_2-640456-7\_AA.2d\_dxf.zip

English

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_2-640456-7\_AA.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2-640456-7\_AA.3d\_stp.zip

English

By downloading the CAD file Laccept and agree to the **Terms and Conditions** of use

## **Product Specifications**

**Application Specification** 

English

### **Agency Approvals**

**Agency Approval Document** 

English