

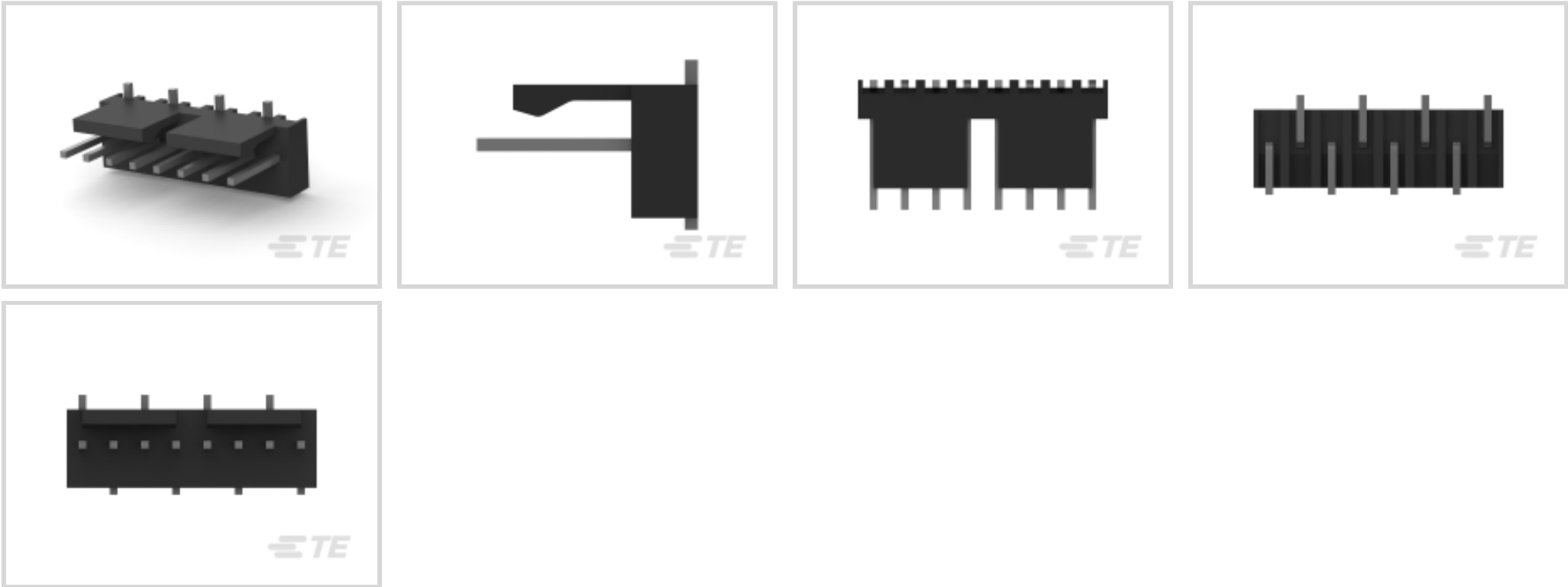


MTA 100

TE Internal #: 3-647166-8
PCB Mount Header, Vertical, Wire-to-Board, 8 Position, 2.54 mm [.1 in] Centerline, Partially Shrouded, Tin (Sn), Surface Mount, Signal, Black, MTA 100

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles > PCB Header: Nylon, Vertical, Surface Mount, MTA 100



PCB Connector Type: **PCB Mount Header**
PCB Mount Orientation: **Vertical**
Connector System: **Wire-to-Board**
Number of Positions: **8**
Number of Rows: **1**

[All PCB Header: Nylon, Vertical, Surface Mount, MTA 100 \(39\)](#)

Features

Product Type Features

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

Configuration Features

Number of Columns	8
PCB Mount Orientation	Vertical
Number of Positions	8
Number of Rows	1

Electrical Characteristics

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Operating Voltage	250 VAC
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Body Features

Primary Product Color	Black
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Contact Features

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

Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

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

Housing Features

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

Connector Width	6.35 mm[.25 in]
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PCB Thickness (Recommended)	.25 mm[.01 in]
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Connector Height	10.66 mm[.42 in]
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Connector Length	20.32 mm[.8 in]
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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

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

Packaging Quantity	500
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Packaging Method	Bag, Box
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Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Reflow solder capable to 260°C
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Product Compliance Disclaimer

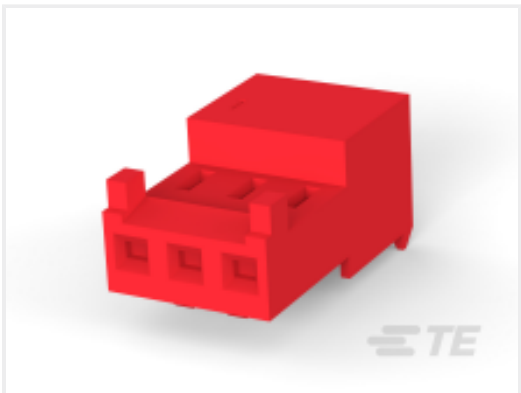


This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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-NYLCC
Nylon PCB Connector Covers: 2.54 mm, MTA 100



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



TE Part # 1375820-8
CST-100 II HOUSING 8 POS



TE Part # CAT-104MTA-NTPNR
MTA Receptacle: Nylon, Tin Plated, 2.54 mm



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

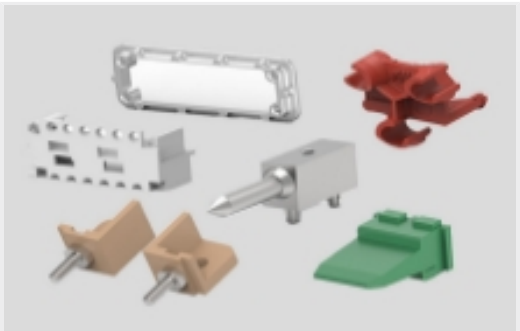
Also in the Series | MTA 100



Connector Caps & Covers(69)



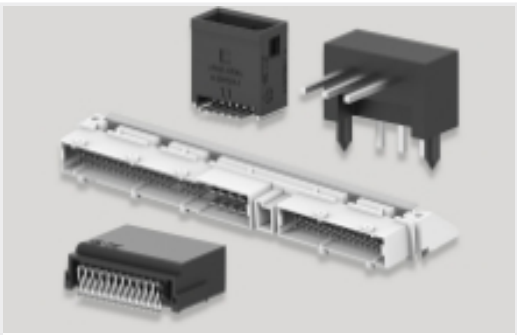
Connector Contacts(8)



Connector Hardware(1)



Insertion & Extraction Tools(2)



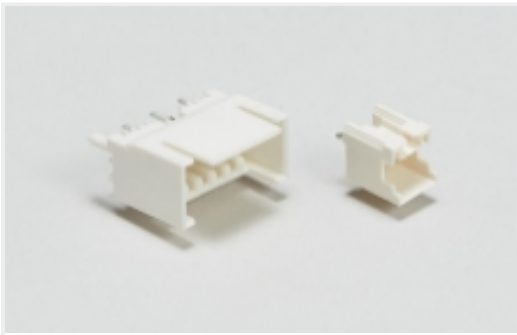
PCB Headers & Receptacles(441)



Rectangular Connector Housings(1)

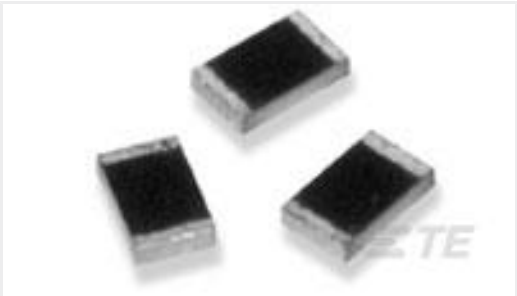


Rectangular Power Connectors(1)



Wire-to-Board Headers & Receptacles (441)

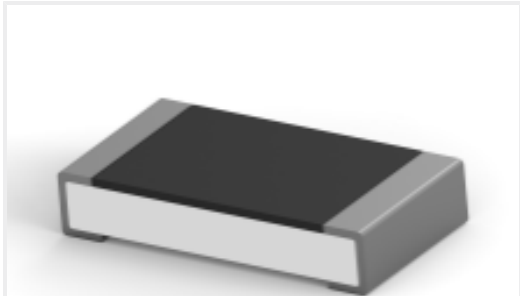
Customers Also Bought



TE Part #3-1879746-0
RP 1J 11K8 0.1% 15PPM CUT LENGTH



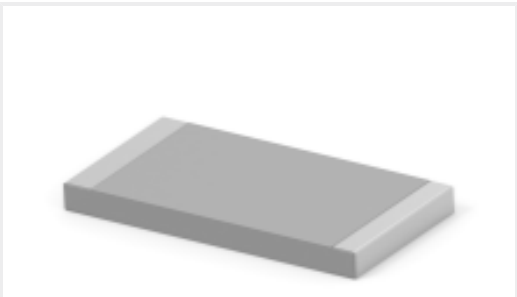
TE Part #4-794618-0
10P MICRO MNL ASSY R/A HDR LF



TE Part #5-2176388-4
RQ 1206 35R7 0.1% 10PPM 5K RL



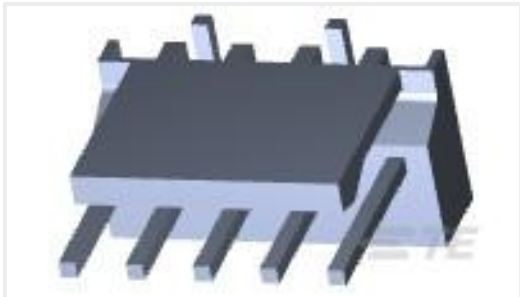
TE Part #CAT-BLPS0062
Ultra-low Pressure Digital Sensor



TE Part #1-2176331-1
CRGP 2512 68R 1%



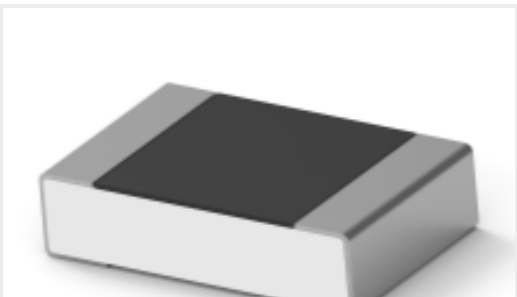
TE Part #4-2176057-1
RLP73K 3A R47 1% 1K RL



TE Part #3-647166-5
5P MTA100 HDR ASSY,SM,FL,LF



TE Part #3-2176372-2
RQ 0603 105K 0.1% 10PPM 5K RL



TE Part #9-2176375-9
RQ 0805 12K1 0.1% 10PPM 1K RL

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-647166-8_M_c-3-647166-8-m.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-647166-8_M_c-3-647166-8-m.3d_igs.zip



English

Customer View Model

[ENG_CVM_CVM_3-647166-8_M_c-3-647166-8-m.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

[UL](#)

English