



MTA 100

TE Internal #: 3-643814-9

Standard Rectangular Connectors, Connector Assembly, Receptacle, Mating Alignment, Polarization Mating Alignment Type, Mating Retention, MTA 100

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Connectors > Rectangular Connectors > Standard Rectangular Connectors > Nylon Tin Plated Receptacle: 2.54 mm, with Mating Alignment, MTA 100



Connector Product Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

Mating Alignment: **With**

Mating Alignment Type: **Polarization**

Mating Retention: **With**

[All Nylon Tin Plated Receptacle: 2.54 mm, with Mating Alignment, MTA 100 \(127\)](#)

## Features

### Product Type Features

Compatible With Discrete Wire Type	Stranded
Connector Product Type	Connector Assembly
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Wire & Cable

### Configuration Features

Number of Cavities	9
Contacts Preloaded	Yes
Number of Positions	9
Number of Rows	1

### Electrical Characteristics

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Operating Voltage	250 VAC
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### Contact Features

Contact Type	Receptacle
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Wire Contact Termination Area Plating Material	Tin
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Contact Underplating Material	Nickel
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Contact Mating Area Plating Material	Tin
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Contact Retention Within Housing	With
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Contact Current Rating (Max)	5 A
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### Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
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### Mechanical Attachment

Contact Retention Type Within Housing	Locking Lance
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Mating Alignment	With
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Mating Alignment Type	Polarization
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Mating Retention	With
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Mating Retention Type	Locking Ramp
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Connector Mounting Type	Cable Mount (Free-Hanging)
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### Housing Features

Housing Material	Nylon
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Housing Color	White
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Centerline (Pitch)	2.54 mm[.1 in]
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### Dimensions

Connector Height	13.21 mm[.52 in]
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Product Width	6.99 mm[.275 in]
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Product Length	22.86 mm[.9 in]
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Wire Size	.2 mm <sup>2</sup>
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### Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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### Operation/Application

Shielded	No
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Circuit Application	Signal
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### Industry Standards



CSA Rating	LR 7189
UL Rating	Recognized
Agency/Standard	CSA, UL
Approved Standards	UL E28476
UL Flammability Rating	UL 94V-2

### Packaging Features

Packaging Quantity	500
Packaging Method	Bag/Box

### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)





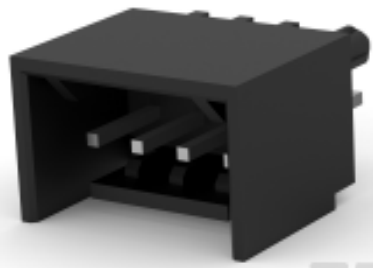





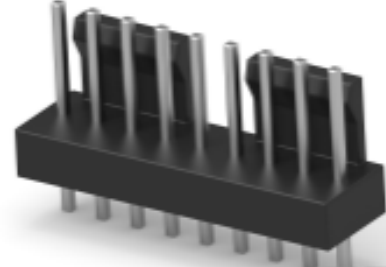

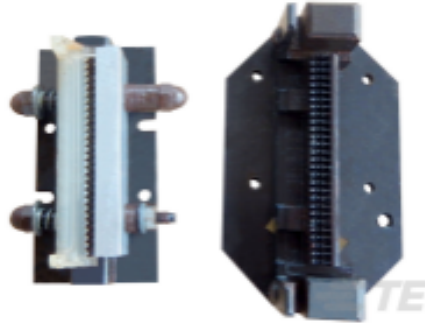
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

#### 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



 <p>TE Part # 640454-9 09P MTA100 HDR ASSY SQ STR POL</p>	 <p>TE Part # 640455-9 09P MTA100 HDR ASSY SQ R/A POL</p>	 <p>TE Part # CAT-104MTA-PVUNH PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment</p>	 <p>TE Part # CAT-104MTA-PRUSH PCB Header: Polyester, Right Angle, Unshrouded</p>
 <p>TE Part # CAT-104MTA-PVSHH Polyester Vertical PCB Header: 2.54 mm, Shrouded, MTA 100</p>	 <p>TE Part # 3-644456-9 09P MTA100 HDR ASSY (NARROW)</p>	 <p>TE Part # CAT-104MTA-NYLCC Nylon PCB Connector Covers: 2.54 mm, MTA 100</p>	 <p>TE Part # 58074-1 MTA 50/100/156 MANUAL TOOL FRAME</p>
 <p>TE Part # 2-644488-9 09P MTA100 SHRD HDR F/L R/A SN</p>	 <p>TE Part # 640550-9 09P MTA100 COVER</p>	 <p>TE Part # 3-647166-9 09P MTA100 HDR ASSY,SM,FL,LF</p>	 <p>TE Part # 3-647295-9 09P MTA100 HI-TEMP HDR SN TL</p>
 <p>TE Part # 58246-3 MTA 100 CRIMP HEAD PRODUCTION RBBN CABLE</p>	 <p>TE Part # 58579-1 MTA 100 MANUAL TOOL ASSEMBLY DISCRETE</p>	 <p>TE Part # 58039-1 MTA 100 ARBOR FIXTURE DISCRETE RBN CABLE</p>	 <p>TE Part # 58246-2 MTA 100 CRIMP HEAD PRODUCTION DISCRETE</p>

Also in the Series | **MTA 100**

 <p>Connector Caps &amp; Covers(69)</p>	 <p>Insertion &amp; Extraction Tools(2)</p>	 <p>PCB Connector Keying(1)</p>	 <p>PCB Headers &amp; Receptacles(440)</p>
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Standard Rectangular Connectors(495)



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



Wire-to-Board Connector Contacts(8)

### Customers Also Bought



TE Part #640456-9  
09P MTA100 HDR ASSY F/L SQ STR



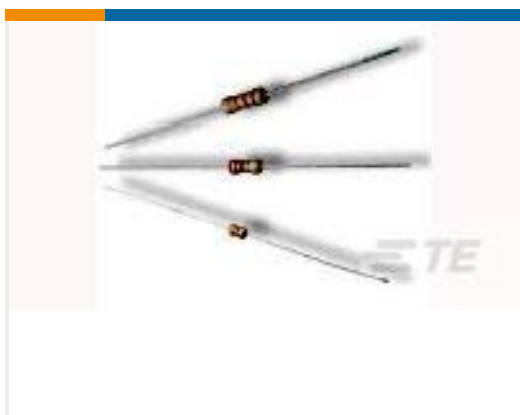
TE Part #1622825-2  
RL73K 2A R15 5% 5K RL



TE Part #7-1393243-0  
RT424048



TE Part #2-1825059-9  
ADF06ST04=DIP SWT,FLUSH,SMT-GW



TE Part #2-1623928-5  
CFR16 5% 470R



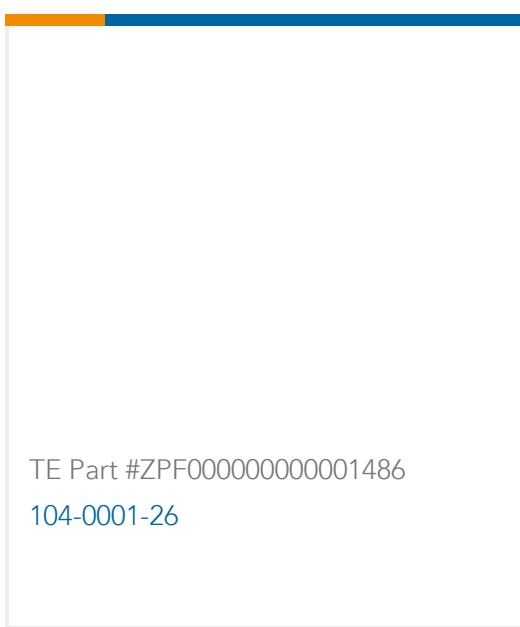
TE Part #5406443-1  
MJ ASSY,2P,8POS,R/A,PCB,CAT5



TE Part #ZPF000000000107200  
787-8055-11M



TE Part #ZPF000000000099685  
DMC-M 99-01 SN



TE Part #ZPF000000000001486  
104-0001-26

### Documents

#### Product Drawings

09P MTA100 CONN ASSY POL RIB

English

#### CAD Files

3D PDF

3D

#### Customer View Model

ENG\_CVM\_CVM\_3-643814-9\_K.2d\_dxf.zip



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_3-643814-9\\_K.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_3-643814-9\\_K.3d\\_stp.zip](#)

English

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**Product Specifications**

[Application Specification](#)

English

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**Product Environmental Compliance**

[Product Compliance](#)

English

[Product Compliance](#)

English

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**Agency Approvals**

[UL Report](#)

English