



## MTA 100

TE Internal #: 3-643815-3

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

[View on TE.com >](#)

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	3
Contacts Preloaded	Yes
Number of Positions	3
Number of Rows	1

### Electrical Characteristics

Operating Voltage	250 VAC
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### Contact Features

Contact Type	Receptacle
Wire Contact Termination Area Plating Material	Tin
Contact Underplating Material	Nickel
Contact Mating Area Plating Material	Tin



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	Blue
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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	7.62 mm[.3 in]
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Wire Size	.12 – .15 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
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UL Rating	Recognized
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Agency/Standard	CSA, UL
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Approved Standards	UL E28476
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UL Flammability Rating	UL 94V-2
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### Packaging Features



Packaging Quantity	500
Packaging Method	Box & Carton

### 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 # CAT-104MTA-PRSMH PCB Header, Right Angle, Polyester, 2.54 mm</p>	<p>TE Part # CAT-104MTA-PVUNH PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment</p>	<p>TE Part # CAT-104MTA-NYLCC Nylon PCB Connector Covers: 2.54 mm, MTA 100</p>	<p>TE Part # CAT-104MTA-PLSCC Polyester PCB Connector Covers: 2.54 mm, MTA 100</p>
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TE Part # 640454-3  
03P MTA100 HDR ASSY SQ STR POL

TE Part # CAT-104MTA-NVSMH  
Nylon Vertical PCB Header: 2.54mm, Surface Mount, MTA 100

TE Part # CAT-104MTA-PRUSH  
PCB Header: Polyester, Right Angle, Unshrouded

TE Part # CAT-104MTA-PVSHH  
Polyester Vertical PCB Header: 2.54 mm, Shrouded, MTA 100

TE Part # CAT-104MTA-PVBRH  
Polyester Vertical PCB Header: 2.54 mm, Breakaway, MTA 100

TE Part # CAT-104MTA-PRUMH  
PCB Header: Polyester, Right Angle, 2.54 mm

TE Part # 3-647051-3  
03P MTA100 HRD ASSYF/L HT LF

TE Part # 58074-1  
MTA 50/100/156 MANUAL TOOL FRAME

TE Part # CAT-104MTA-NVTHH  
Nylong Vertical PCB Header: 2.54mm, Through Hole, MTA 100

TE Part # 58246-3  
MTA 100 CRIMP HEAD PRODUCTION RBBN CABLE

TE Part # 58579-1  
MTA 100 MANUAL TOOL ASSEMBLY DISCRETE

TE Part # 3-1744163-3  
03P MTA100 HDR ASSY SM 30AU LF T&R

TE Part # 58039-1  
MTA 100 ARBOR FIXTURE DISCRETE RBN CABLE

TE Part # 58246-2  
MTA 100 CRIMP HEAD PRODUCTION DISCRETE

Also in the Series | **MTA 100**

Insertion & Extraction Tools(2)

PCB Connector Covers(69)

PCB Connector Keying(1)

PCB Headers & Receptacles(451)



Standard Rectangular Connectors(497)

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

Wire-to-Board Connector Contacts(8)

### Customers Also Bought

TE Part #3-640442-3  
03P MTA100 CONN ASSY BLU

TE Part #3-643816-3  
Nylon Tin Plated Receptacle: 2.54 mm, with Mating Alignment, MTA 100

TE Part #284041-5  
TERMINAL BLOCK VERTICAL PLUG S

TE Part #284041-8  
TERMINAL BLOK VERTICAL PLUG ST

TE Part #3-1393127-0  
PRD-11AY0-240=PRD

TE Part #1SNA400370R2400  
D95/26

TE Part #364214-E  
SRCBUG A 2,54 2 3 CSI 164 E1 ADV J 2 324

### Documents

#### Product Drawings

03P MTA100 CONN ASSY POL RIB

English

#### CAD Files

Customer View Model

ENG\_CVM\_CVM\_3-643815-3\_K.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_3-643815-3\_K.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-643815-3\_K.3d\_stp.zip

English

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



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**Product Specifications**

**Application Specification**

English

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**Product Environmental Compliance**

**MD\_3-643815-3\_112020172034\_dmtec**

English

**MD\_3-643815-3\_112020172034\_dmtec**

English

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**Agency Approvals**

**CSA Certificate**

English