

3-647000-2 ✓ ACTIVE

MTA | MTA 100

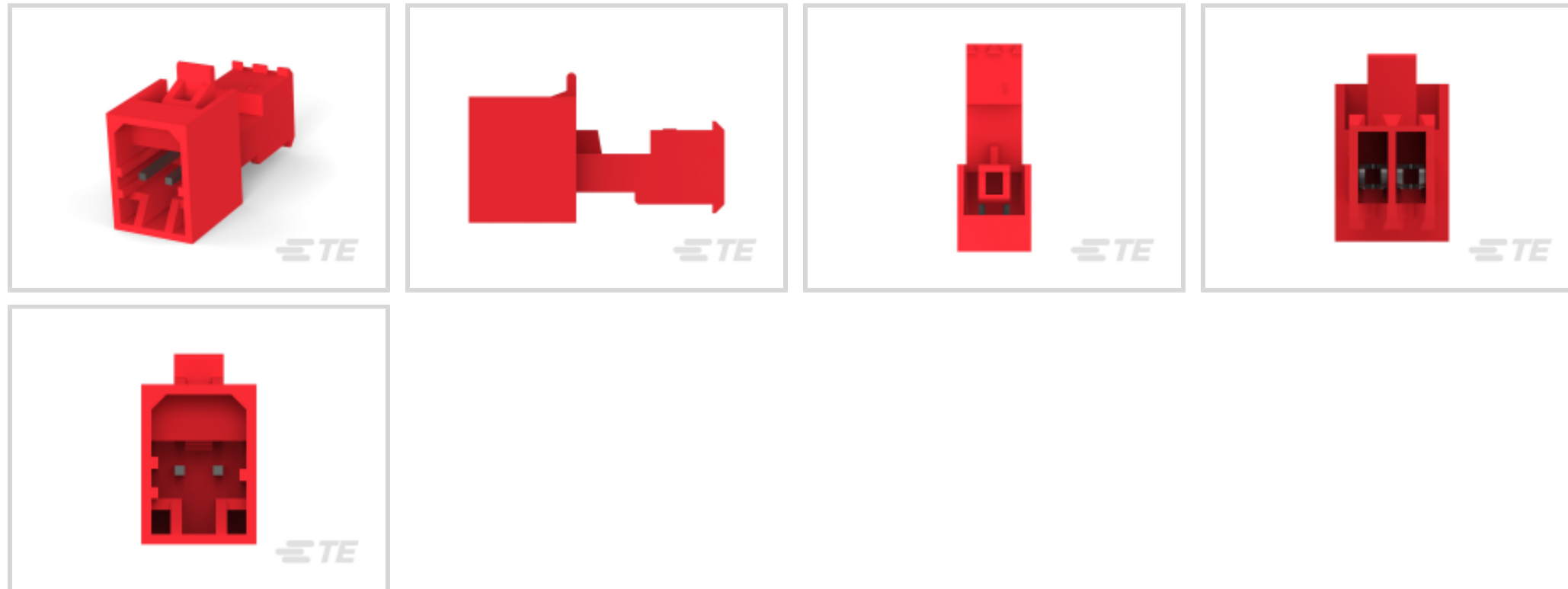
TE Internal #: 3-647000-2

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

[View on TE.com >](#)



Connectors > Rectangular Connectors > Standard Rectangular Connectors > Nylon Tin Plated Plug: 2.54mm, With Mating Alignment, MTA 100



Connector Product Type: **Connector Assembly**

Connector & Housing Type: **Plug**

Mating Alignment: **With**

Mating Alignment Type: **Polarization**

Mating Retention: **With**

[All Nylon Tin Plated Plug: 2.54mm, With Mating Alignment, MTA 100 \(81\)](#)

## Features

### Product Type Features

Product Style	Assembly
Shape	Rectangular
Wire/Cable Type	Stranded
Connector Type	Connector Assembly
Connector Product Type	Connector Assembly
Connector & Housing Type	Plug
Connector System	Wire-to-Wire
Insertion Force Type	Normal
Sealable	No
Connector & Contact Terminates To	Wire & Cable

### Configuration Features

Number of Cavities	2
Number of Positions	2



Number of Rows	1
Panel Gasket	Without

### Electrical Characteristics

Operating Voltage	250 VAC
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### Contact Features

Contact Layout	In-line
Contact Type	Tab
Wire Contact Termination Area Plating Material	Tin
Contact Underplating Material	Nickel
Contact Mating Area Plating Material	Tin
Contact Retention Within Housing	With
Contact Current Rating (Max)	5 A

### Termination Features

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

Panel Mount	No
Contact Retention Type Within Housing	Locking Lance
Panel Mount Feature	Without
Mating Alignment	With
Mating Alignment Type	Polarization
Mating Retention	With
Mating Retention Type	Latch
Connector Mounting Type	Cable Mount (Free-Hanging)

### Housing Features

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

### Dimensions

Width	21.4 mm[.843 in]
Height	12.54 mm[.494 in]
Length	7.62 mm[.3 in]
Wire Size	.3 – .4 mm <sup>2</sup>



### Usage Conditions

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

Shielded	No
Circuit Application	Signal

### Industry Standards

CSA Rating	Certified
Agency/Standard	CSA, UL
UL Rating	Recognized
CSA File Number	LR 7189
UL File Number	E28476
UL Flammability Rating	UL 94V-2

### Packaging Features

Packaging Quantity	300
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: JAN 2022 (223) Candidate List Declared Against: JAN 2022 (223) 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



TE Part # CAT-104MTA-NTPNR  
Nylon Tin Plated Receptacle: 2.54mm, No Mating Alignment, MTA 100



TE Part # 640550-2  
02P MTA100 COVER



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



TE Part # 3-644574-2  
02P MTA100 CONN ASSY BLK LF



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




TE Part # 58638-1  
MTA 100 CRIMP HEAD PRODUCTION POSTED



TE Part # 58639-1  
MTA 100 POSTED MANUAL TOOL ASSEMBLY

## Also in the Series | MTA 100



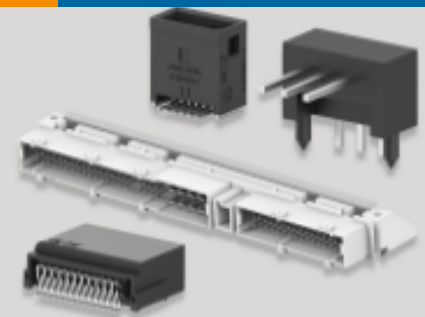
Insertion & Extraction Tools(2)




PCB Connector Covers(107)




PCB Connector Keying(1)



PCB Headers & Receptacles(1182)



Standard Rectangular Connectors (1718)

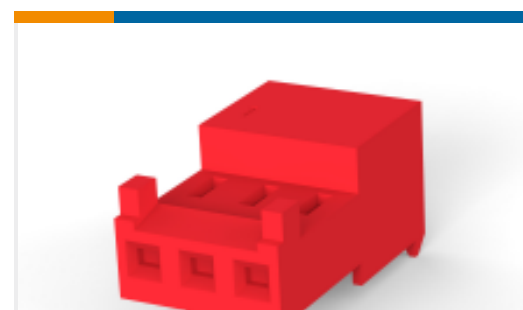


Wire-to-Board Connector Contacts(18)

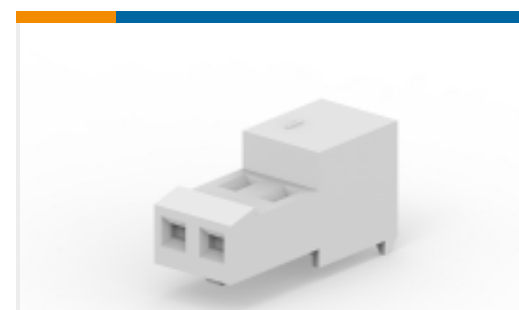
## Customers Also Bought



TE Part #52945  
PIDG TERM. SPR SPD 12-10 1/4



TE Part #4-643813-0  
Nylon Tin Plated Receptacle: 2.54mm,  
With Mating Alignment, MTA 100



TE Part #3-640440-2  
Nylon Tin Plated Receptacle: 2.54mm,  
No Mating Alignment, MTA 100



TE Part #3-647002-2  
02P MTA100 PSTD CONN ASSY LF



TE Part #5-1393252-6  
W67-X2Q12-15=M6/M7/M9/W6/W7



TE Part #34109  
SOLIS R 22-16 COMM 22-18MIL 10



TE Part #321828  
TERMINAL, SOLIS R 14-12 10

## Documents

### Product Drawings

[02P MTA100 PSTD CONN ASSY LF](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_3-647000-2\\_F.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_3-647000-2\\_F.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-647000-2\\_F.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

[MTA, CST-100 II, SL-156 and AMP Economy Power \(EP\) Connectors](#)

English

### Product Environmental Compliance

[TE Material Declaration](#)

English

### Agency Approvals

[UL](#)



English