

## MTA 100

TE Internal #: 640636-3

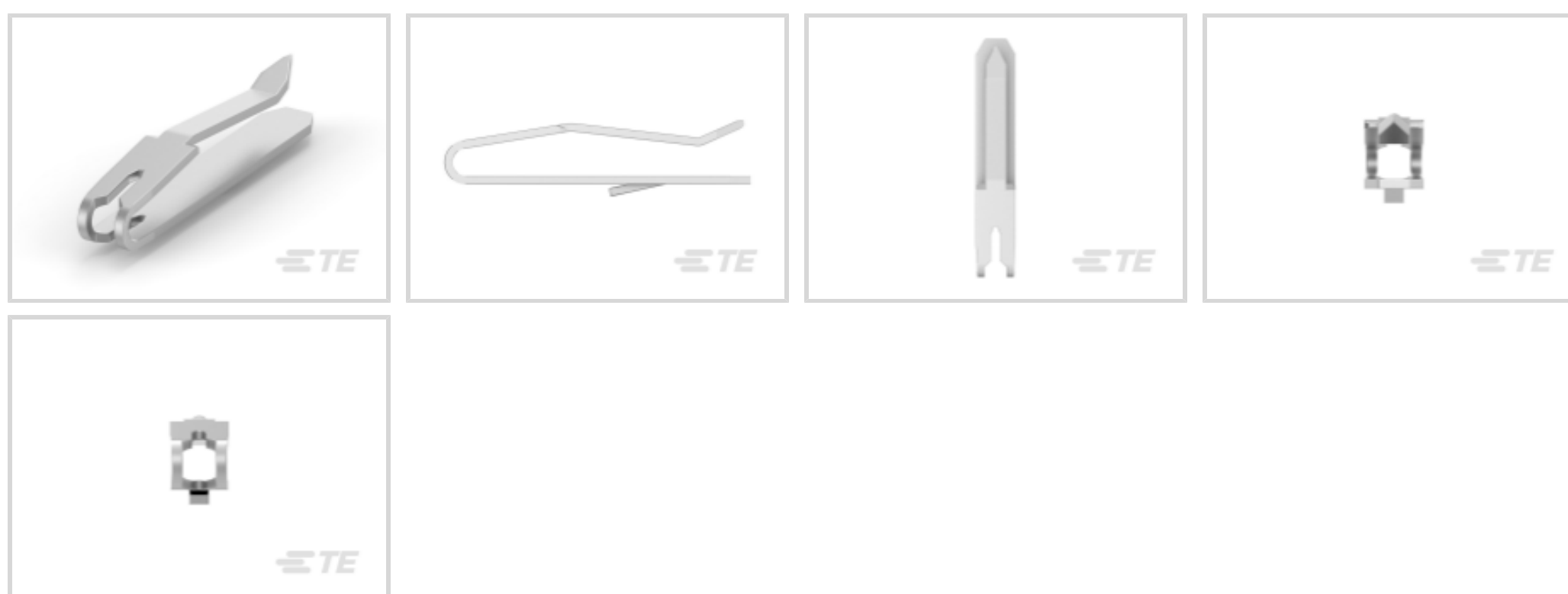
Connector Contact, Socket, Wire-to-Wire / Wire-to-Board, 22 AWG

Wire Size, .3 – .4 mm<sup>2</sup> Wire Size, Pre-Tin, Bag & Box, Wire & Cable,

5 A, MTA 100

[View on TE.com >](#)[Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Contacts >](#)

Connector Contact: Socket/Receptacle, Wire-to-Board / Wire-to-Wire, MTA 100

Contact Type: **Socket**Connector System: **Wire-to-Board, Wire-to-Wire**Wire Size: **.3 – .4 mm<sup>2</sup>**Contact Mating Area Plating Material: **Pre-Tin****All Connector Contact: Socket/Receptacle, Wire-to-Board / Wire-to-Wire, MTA 100 (18)**

## Features

### Product Type Features

Connector System	Wire-to-Board, Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

### Configuration Features

Compatible With Wire & Cable Type	Discrete Wire
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### Electrical Characteristics

Dielectric Withstanding Voltage (Max)	2200 VAC
Insulation Resistance	5000 MΩ
Operating Voltage	250 VAC

### Contact Features

Mating Square Post Dimension	.64 mm[.025 in]
Contact Retention Within Housing	With



Contact Underplating Material Thickness	.76 µm[29.92 µin]
Wire Contact Termination Area Plating Thickness	2.03 µm
Wire Contact Termination Area Plating Material Finish	Bright
Wire Contact Termination Area Plating Material	Pre-Tin
Contact Mating Area Plating Material Thickness	2.03 µm[80 µin]
Contact Underplating Material	Nickel
Contact Base Material	Phosphor Bronze
Contact Type	Socket
Contact Mating Area Plating Material	Pre-Tin
Contact Current Rating (Max)	5 A

### Termination Features

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

Contact Retention Type Within Housing	Locking Lance
Wire Insulation Support	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

### Dimensions

Wire Size	.3 – .4 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

Circuit Application	Signal
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### Packaging Features

Packaging Quantity	1000
Packaging Method	Bag & Box

### Other

Comment	Used for field repair or wire gauge change.
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### 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 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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-CONCT  
Connector Contact: Socket / Receptacle, Wire-to-Board / Wire-to-Wire, MTA 100

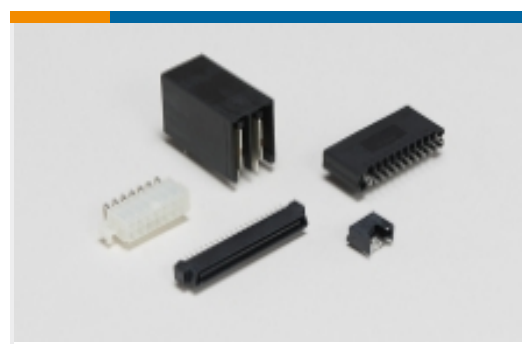
## Also in the Series | MTA 100

Insertion & Extraction Tools(2)

PCB Connector Covers(107)

PCB Connector Keying(1)

PCB Headers & Receptacles(1182)



Standard Rectangular Connectors  
(1718)

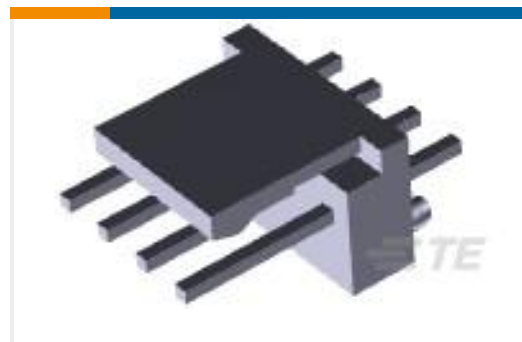


Wire-to-Board Connector Assemblies  
& Housings(1)



Wire-to-Board Connector Contacts(18)

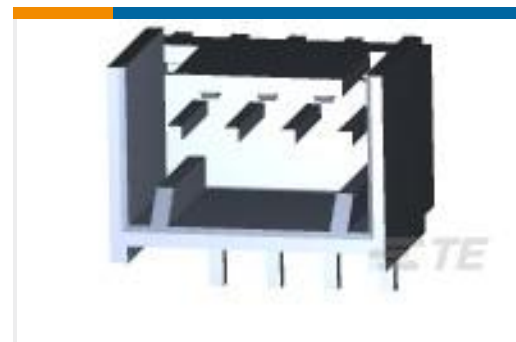
## Customers Also Bought



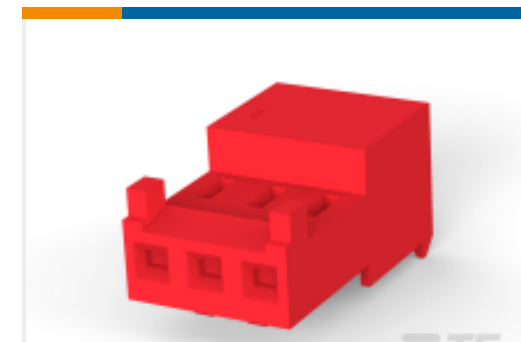
TE Part #3-647609-4  
04P MTA100 HDR ASSY F/L LF



TE Part #3-647630-4  
04P MTA100 HRD ASSY F/L LF



TE Part #2-644803-4  
04P MTA100 SHRD HDR ASSY RA FL



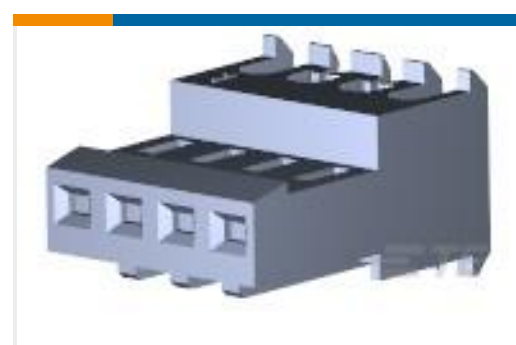
TE Part #3-644565-4  
Nylon Tin Plated Receptacle: 2.54mm,  
With Mating Alignment, MTA 100



TE Part #3-644695-4  
04P MTA100 STR HDR RETENTIVE



TE Part #8-1625984-3  
HSA50 820R 5%



TE Part #3-640623-4  
04P MTA100 CONN ASSY GRN LF



TE Part #1423117-3  
KUEP-11D35-110=RELAY,GENPUR,OC

## Documents

### Product Drawings

[MTA100 V-SLOT TERM LP #22](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_640636-3\\_H.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_640636-3\\_H.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_640636-3\\_H.3d\\_stp.zip](#)

English

Customer View Model



[ENG\\_CVM\\_640636-3\\_L.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_640636-3\\_L.3d\\_stp.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_640636-3\\_L.2d\\_dxf.zip](#)

English

**3D PDF**

English

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

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### Datasheets & Catalog Pages

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

English

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### Product Specifications

[Product Specification](#)

English

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### Product Environmental Compliance

[Product Compliance](#)

English

[Product Compliance](#)

English