

3-640468-2 ✓ ACTIVE

## MTA 100

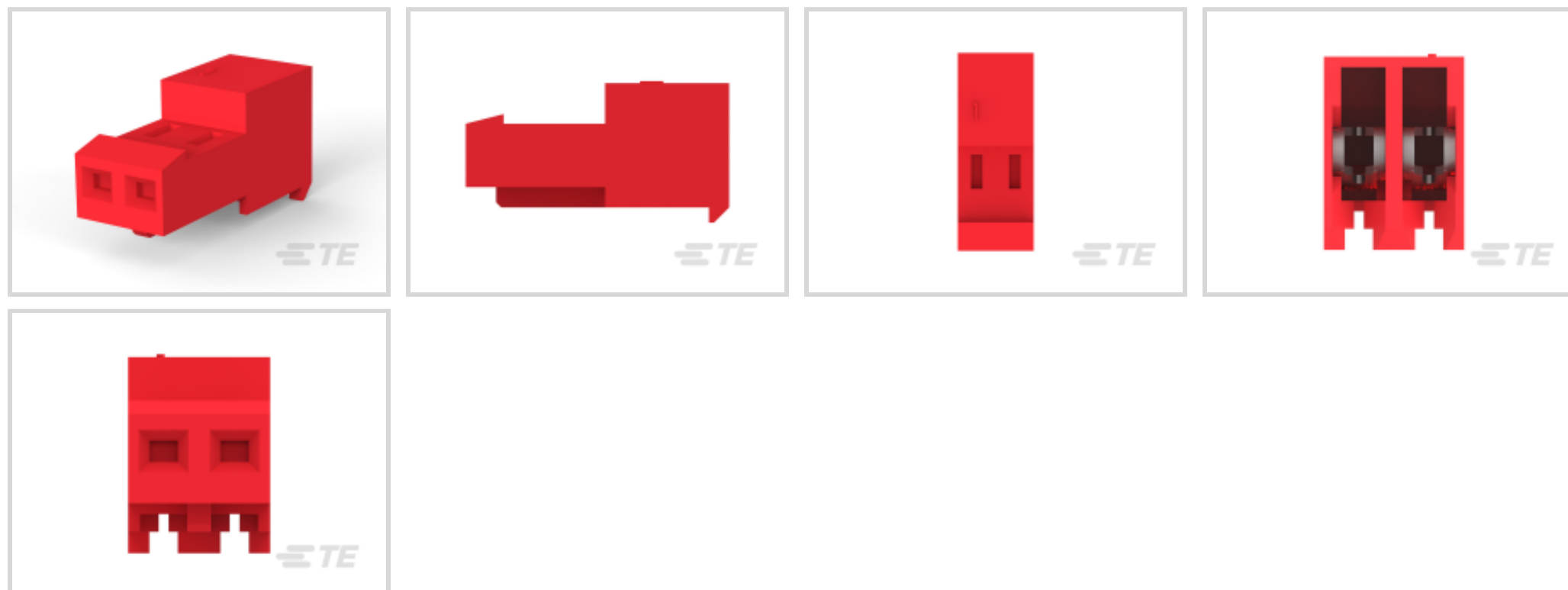
TE Internal #: 3-640468-2

Connector Assembly, Receptacle, Insulation Displacement (IDC),  
Wire-to-Board, Tin, Normal, UL 94V-2, MTA 100, Standard  
Rectangular Connectors

[View on TE.com >](#)



Connectors > Rectangular Connectors > Standard Rectangular Connectors > MTA Receptacle: Nylon, Tin Plated, 2.54 mm



Connector Product Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

Mating Alignment: **Without**

Mating Retention: **With**

Mating Retention Type: **Locking Ramp**

[All MTA Receptacle: Nylon, Tin Plated, 2.54 mm \(167\)](#)

## Features

### Body Features

Primary Product Color	Red
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### Packaging Features

Packaging Quantity	3700
Packaging Method	Box & Carton

### Dimensions

Connector Width	6.99 mm[.275 in]
Connector Height	13.21 mm[.52 in]
Wire Size	22 AWG
Connector Length	5.08 mm[.2 in]

### Housing Features

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



### Configuration Features

Number of Cavities	2
Contacts Preloaded	Yes
Number of Positions	2
Number of Rows	1

### Industry Standards

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

### Contact Features

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

### Mechanical Attachment

Contact Retention Type Within Housing	Locking Lance
Mating Alignment	Without
Mating Retention	With
Mating Retention Type	Locking Ramp
Connector Mounting Type	Cable Mount (Free-Hanging)

### Product Type Features

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



**Termination Features**

Termination Method to Wire & Cable	Insulation Displacement (IDC)
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**Electrical Characteristics**

Operating Voltage	250 VAC
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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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**Other**

EU RoHS Compliance	Compliant
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EU ELV Compliance	Compliant
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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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
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Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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Solder Process Capability	Not applicable for solder process capability
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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 # 58246-2  
MTA 100 CRIMP HEAD PRODUCTION DISCRETE



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



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



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



TE Part # 640550-2  
02P MTA100 COVER



TE Part # 3-647051-2  
02P MTA100 HRD ASSYF/L HT LF



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



TE Part # CAT-104MTA-NTPMP  
MTA Plug: Nylon, Tin Plated, 2.54 mm, with Mating Alignment



TE Part # 3-647106-2  
02P MTA-100 HDR ASSY,SM,SN



TE Part # 640454-2  
02P MTA100 HDR ASSY SQ STR POL



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



TE Part # CAT-104MTA-PVUNH  
PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment



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



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



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



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



TE Part # 3-644694-2  
02P MTA100 R/A HDR RETENTIVE



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

## Also in the Series | [MTA 100](#)



Connector Caps & Covers(69)



Connector Contacts(8)



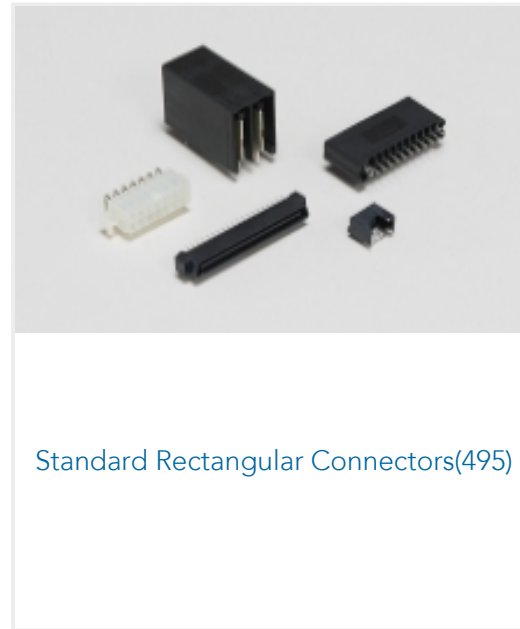
Connector Hardware(1)



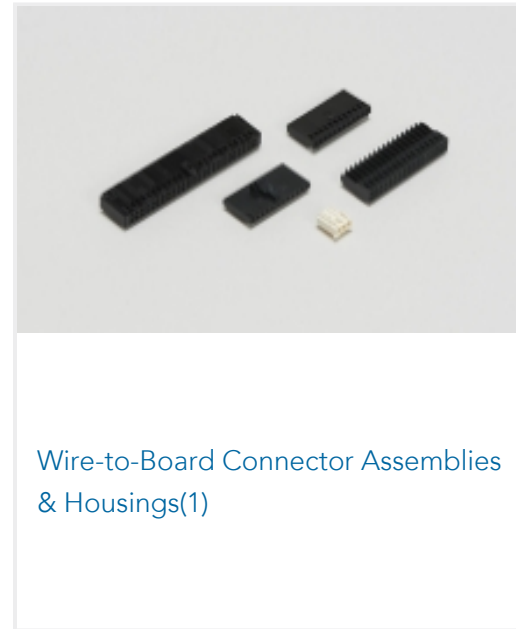
Insertion & Extraction Tools(2)



PCB Headers & Receptacles(441)



Standard Rectangular Connectors(495)



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



Wire-to-Board Headers & Receptacles (441)

## Customers Also Bought



TE Part #CAT-AM71-CH8172  
AMP SUPERSEAL 1.5MM,  
CONNECTOR HOUSING



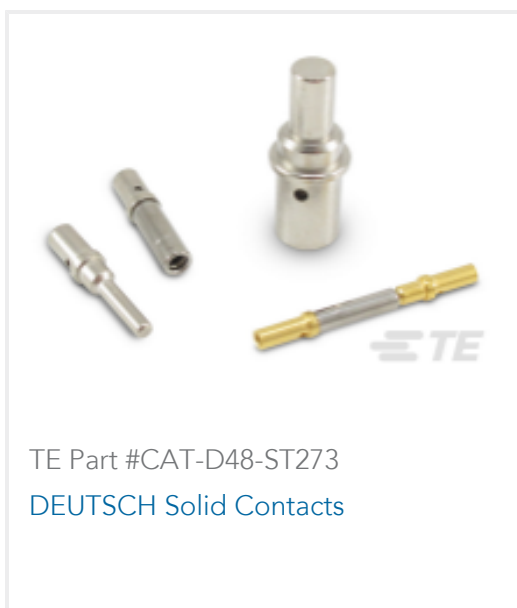
TE Part #DT04-2P  
REC, 2P, GRY, N



TE Part #DT06-2S  
PLG, 2P, GRY, N



TE Part #CAT-D487-W416  
Wedgelocks: DEUTSCH DT



TE Part #CAT-D48-ST273  
DEUTSCH Solid Contacts



TE Part #114017-ZZ  
SEALING PLUG, SIZE 12/16, WHT



TE Part #281934-2  
SINGLE WIRE SEAL

## Documents

### Product Drawings

[02P MTA100 CONN ASSY ON TAPE](#)

English

### CAD Files

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_3-640468-2\\_AC.2d\\_dxf.zip](#)

English

[3D PDF](#)



3D

Customer View Model

[ENG\\_CVM\\_CVM\\_3-640468-2\\_AC.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-640468-2\\_AC.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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**Agency Approvals**

[UL](#)

English