



MTA 100

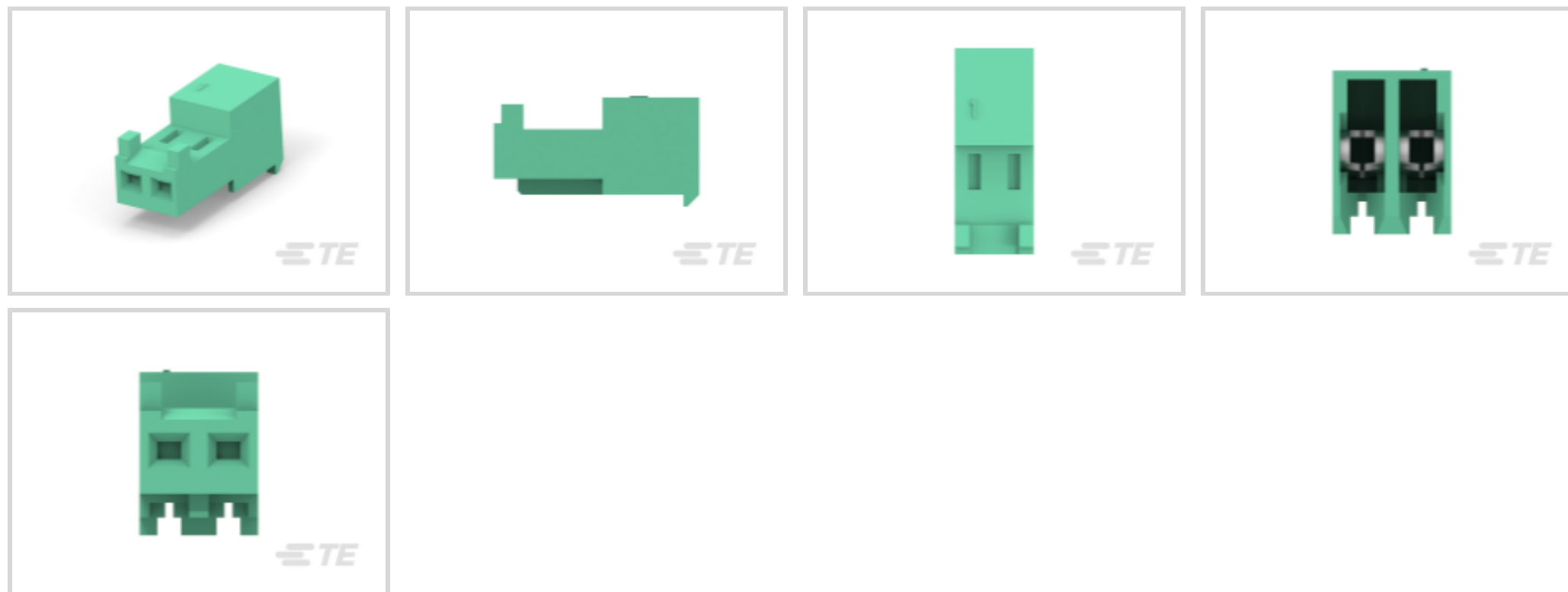
TE Internal #: 644044-2

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 Gold Plated Receptacle: 2.54mm, 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 Gold Plated Receptacle: 2.54mm, With Mating Alignment, MTA 100 \(244\)](#)

## Features

### Product Type Features

Product Style	Assembly
Shape	Rectangular
Wire/Cable Type	Stranded
Connector Type	Connector Assembly
Housing Type	Receptacle
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

### 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	Female
Wire Contact Termination Area Plating Material	Tin
Contact Underplating Material	Nickel
Contact Mating Area Plating Material	Gold, Gold Flash over Palladium Nickel
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	Locking Ramp
Connector Mounting Type	Cable Mount (Free-Hanging)

### Housing Features

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

### Dimensions

Width	13.21 mm[.52 in]
Height	6.99 mm[.275 in]



Insulation Diameter (Max)	1.52 mm[.06 in]
Length	5.08 mm[.2 in]
Wire Size	.08 – .09 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	500
Packaging Method	Bag

### 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: DEC 2013 (151) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

## Compatible Parts



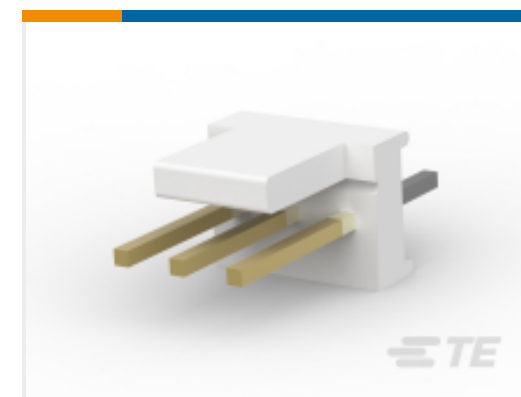
TE Part # CAT-104MTA-PRUSH  
Polyester Right Angle PCB Header:  
2.54mm, Unshrouded, MTA 100



TE Part # 640550-2  
02P MTA100 COVER



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



TE Part # CAT-104MTA-PVUMH  
Polyester Vertical PCB Header: 2.54  
mm, With Mating Alignment,  
Unshrouded



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



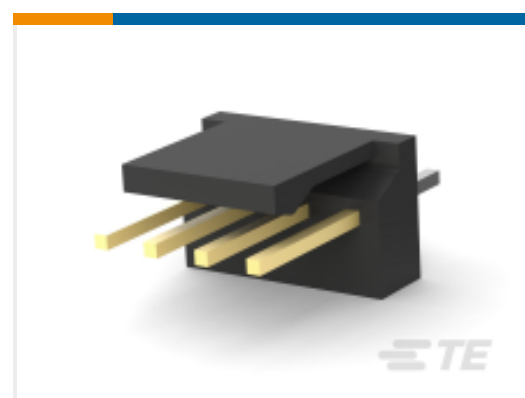
TE Part # CAT-104MTA-PVUNH  
Polyester Vertical PCB Header: 2.54  
mm, Unshrouded, No Mating  
Alignment



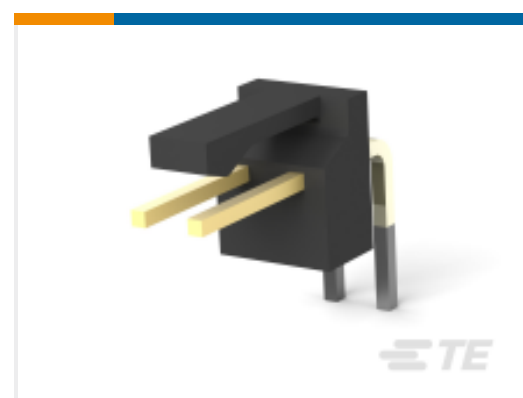
TE Part # 58074-1  
MTA 50/100/156 MANUAL TOOL  
FRAME



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



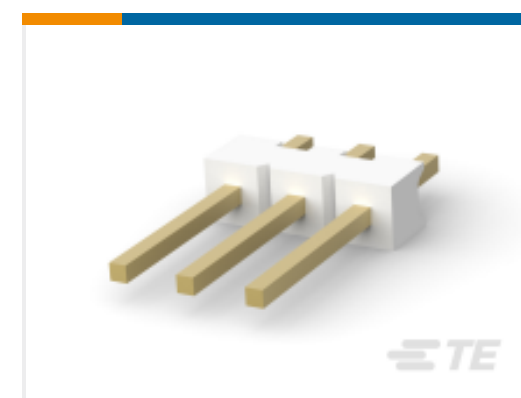
TE Part # CAT-104MTA-NVTHH  
Nylong Vertical PCB Header: 2.54mm,  
Through Hole, MTA 100



TE Part # 3-647117-2  
02P MTA100 HDR HT FL 30AU LF



TE Part # 3-641214-2  
02P MTA100 HDR ASSY PO/RA LF



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




TE Part # CAT-104MTA-PRSMH  
Polyester Right Angle PCB Header:  
2.54mm, Shrouded, With Mating Alignment



TE Part # 58246-1  
MTA 100 CRIMP HEAD REPAIR DISCRETE



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



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




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(107)



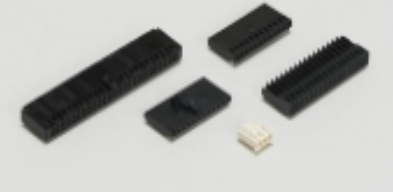
PCB Connector Keying(1)




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 #YACT26MA98SEV00100  
STRAIGHT PLUG



TE Part #YACT26MG35SCV00100  
STRAIGHT PLUG



TE Part #EF9981-000  
222K121-25L/225-0



TE Part #ZPF000000000146309  
DMC-MD 26 G-K-T



## Documents

### Product Drawings

[02P MTA100 CONN ASSY 30AU](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_644044-2\\_F.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_644044-2\\_F.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_644044-2\\_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