

### MTA 100

TE Internal #: 644042-3

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 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	3
Number of Positions	3
Number of Rows	1
Panel Gasket	Without
Electrical Characteristics	
Operating Voltage	250 VAC
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)
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	Red
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]



Length	7.62 mm[.3 in]
Wire Size	$.34 \text{ mm}^2$
Usage Conditions	
Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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

## **Product Compliance**

Packaging Method

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

Bag/Box

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-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 # CAT-104MTA-PLSCC
Polyester PCB Connector Covers: 2.54
mm, MTA 100



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



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



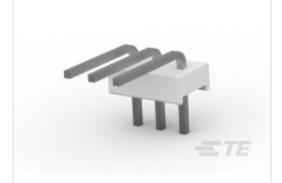
TE Part # 58074-1 MTA 50/100/156 MANUAL TOOL FRAME



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



TE Part # 3-647116-3 03P MTA100 HDR HT FL 30AU LF



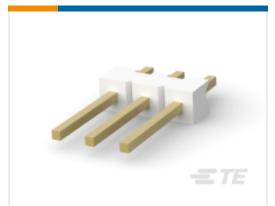
TE Part # CAT-104MTA-PRUSH
Polyester Right Angle PCB Header:
2.54mm, Unshrouded, MTA 100



TE Part # 3-641214-3
03P MTA100 HDR ASSY PO/RA LF



TE Part # 3-647117-3 03P MTA100 HDR HT FL 30AU LF



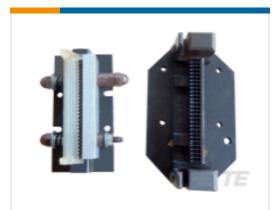
TE Part # CAT-104MTA-PVBRH
Polyester Vertical PCB Header: 2.54
mm, Breakaway, MTA 100



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



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



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





## 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 #3-641191-6 Nylon Gold Plated Receptacle: 2.54 mm, No Mating Alignment, MTA 100



TE Part #1-640250-3 13P SL156 HSG W/LCK RAMP NATL

















### **Documents**

### **Product Drawings**

03P MTA100 CONN ASSY 30AU

English

### **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_644042-3\_J\_c-644042-3-j.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_644042-3\_J\_c-644042-3-j.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_644042-3\_J\_c-644042-3-j.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**

**Product Compliance** 

English

**Product Compliance** 

English