

MTA 100

TE Internal #: 3-644042-2

Standard Rectangular Connectors, Connector Assembly, Receptacle, Mating Alignment, Polarization Mating Alignment

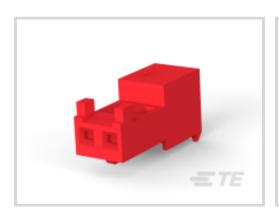
Type, Mating Retention, MTA 100

View on TE.com >



Connectors > Rectangular Connectors > Standard Rectangular Connectors >

Nylon Gold Plated Receptacle: 2.54 mm, 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: 2.54 mm, with Mating Alignment, MTA 100 (74)

Features

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
Configuration Features	

2

Yes

2

Number of Rows

Number of Cavities

Contacts Preloaded

Number of Positions



Electrical Characteristics

Electrical Characteristics	
Operating Voltage	250 VAC
Contact Features	
Contact Type	Receptacle
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	
Contact Retention Type Within Housing	Locking Lance
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 Material	Nylon 6/6
Housing Color	Red
Centerline (Pitch)	2.54 mm[.1 in]
Dimensions	
Connector Height	6.99 mm[.275 in]
Product Width	13.21 mm[.52 in]
Product Length	5.08 mm[.2 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	LR 7189
UL Rating	Recognized
Agency/Standard	CSA, UL
Approved Standards	UL E28476
UL Flammability Rating	UL 94V-2

Packaging Features

Packaging Quantity	500
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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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 # 3-641216-2 02P MTA100 HDR ASSY FL/RA LF



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



TE Part # 640550-2 02P MTA100 COVER



TE Part # 2-644487-2 02P MTA100 SHRD HDR ASSY 30AU



TE Part # 3-641213-2 02P MTA100 HDR ASSY PO/ST LF



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



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



TE Part # 3-647168-2 02P MTA100 HDR ASSY SM 30AU LF



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 # 2-644489-2 02P MTA100 SHRD HDR R/A 30AU L



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





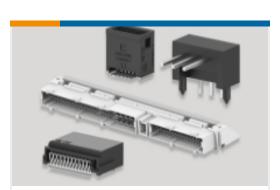
Connector Caps & Covers(69)



Insertion & Extraction Tools(2)



PCB Connector Keying(1)



PCB Headers & Receptacles(440)



Standard Rectangular Connectors(495)



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



Wire-to-Board Connector Contacts(8)

Customers Also Bought



TE Part #3-644042-8 Nylon Gold Plated Receptacle: 2.54 mm, with Mating Alignment, MTA 100



TE Part #325705 TERMINAL,AMPOWER 250MCM 1/2



TE Part #EL7663-000 TMS-CT-50M-1/4-OUT-9



SKT HDR ASSY,9P,MMATE LF







Documents

Product Drawings
02P MTA100 CONN ASSY LF

English

CAD Files

3D PDF

3D

Customer View Model ENG_CVM_CVM_3-644042-2_J.2d_dxf.zip



English

Customer View Model

ENG_CVM_CVM_3-644042-2_J.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-644042-2_J.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use

Product Specifications

Application Specification

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English

Agency Approvals

CSA Certificate

English