3-644038-7 ✔ ACTIVE

MTA 100

TE Internal #: 3-644038-7

7 Position, Receptacle, Connector Assembly, Insulation Displacement (IDC), Wire-to-Board, Gold (Au) / Gold Flash over Palladium Nickel, 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**

Mating Alignment: **With**

Mating Alignment Type: **Polarization**

Connector & Housing Type: **Receptacle**

Mating Retention Type: **Locking Ramp**

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

Number of Cavities	7
Contacts Preloaded	Yes
Number of Positions	7
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC

Body Features

Primary Product Color	Red

Contact Features

Contact Underplating Material	Nickel
Wire Contact Termination Area Plating Material	Tin
Contact Type	Receptacle
Contact Mating Area Plating Material	Gold (Au), 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 Type	Locking Ramp
Mating Retention	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

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

Dimensions

Connector Width	13.21 mm[.52 in]
Connector Height	6.99 mm[.275 in]
Wire Size	22 AWG
Connector Length	17.78 mm[.7 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]

Operation/Application

Shielded	No
Circuit Application	Signal

Industry Standards

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

Packaging Features

Packaging Quantity	500
Packaging Method	Bag/Box

Product Compliance

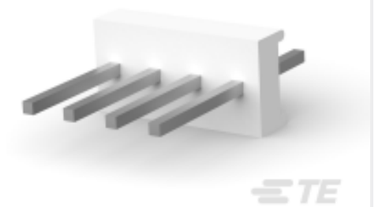
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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-PVUNH
PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment



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



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



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



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



TE Part # 58246-2
MTA 100 CRIMP HEAD PRODUCTION DISCRETE



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

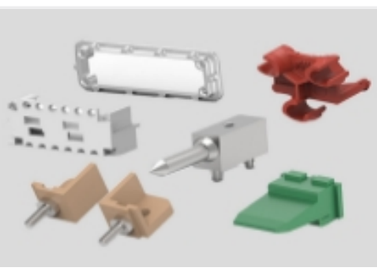
Also in the Series | MTA 100



Connector Caps & Covers(69)



Connector Contacts(8)



Connector Hardware(1)



Insertion & Extraction Tools(2)

PCB Headers & Receptacles(441)

Rectangular Power Connectors(1)

Wire-to-Board Connector Assemblies & Housings(457)

Wire-to-Board Headers & Receptacles (441)

Customers Also Bought



TE Part #170362-3
MINI UNIVERSAL M-N-L SOCKET



TE Part #292336-1
Std USB Type A, Flag, T/H



TE Part #640250-6
06P SL156 HSG W/LCK RAMP NATL



TE Part #1-770903-0
MINI UMNL PIN 22-18 AWG AU



TE Part #1-770904-0
MINI UMNL SOK 22-18 AWG AU



TE Part #794120-1
02P CMNL PC HDR ASSY RA



TE Part #794188-1
04P MINI UMNL2 PLUG HSG UL94V0



TE Part #1-794608-1
PIN CONT 20-24 15 GOLD STRIP



TE Part #1-794617-2
12POS,MICRO MNL,RCPT HSG



TE Part #1658621-1
10 NOVO MIL/CTR 15DP,LEAD FREE

Documents

Product Drawings

07P MTA100 CONN ASSY RED 15AU

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-644038-7_R.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-644038-7_R.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-644038-7_R.3d_stp.zip

English

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Product Specifications

Application Specification

English