3-647002-2 ✔ ACTIVE

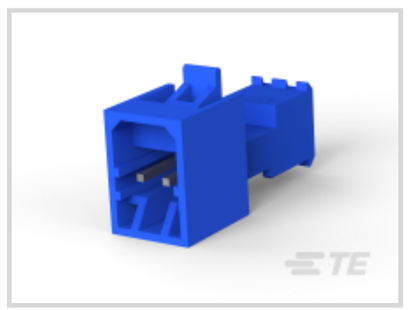
MTA 100

TE Internal #: 3-647002-2

Connector Assembly, Plug, Mating Alignment, Polarization Mating Alignment Type, Mating Retention, MTA 100, Standard Rectangular Connectors

View on TE.com >

Connectors > Rectangular Connectors > Standard Rectangular Connectors > MTA Plug: Nylon, Tin Plated, 2.54 mm, with Mating Alignment







Connector Product Type: **Connector Assembly**

Connector & Housing Type: **Plug**

Mating Alignment: **With**

Mating Alignment Type: **Polarization**

Mating Retention: **With**

All MTA Plug: Nylon, Tin Plated, 2.54 mm, with Mating Alignment (28)

Features

Product Type Features

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

Mechanical Attachment

Mating Alignment	With
Mating Alignment Type	Polarization
Mating Retention	With
Mating Retention Type	Latch
Connector Mounting Type	Cable Mount (Free-Hanging)

Contact Retention Type Within Housing	Locking Lance

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)

Operation/Application

Shielded	No
Circuit Application	Signal

Contact Features

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

Industry Standards

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

Configuration Features

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

Housing Features

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

Electrical Characteristics

Operating Voltage	250 VAC

Usage Conditions

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

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Dimensions

Product Width	21.4 mm[.843 in]
Product Length	7.62 mm[.3 in]
Connector Height	12.54 mm[.494 in]
Wire Size	26 AWG

Packaging Features

Packaging Quantity	300
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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 # CAT-104MTA-NTPNR
MTA Receptacle: Nylon, Tin Plated, 2.54 mm



TE Part # 640550-2
02P MTA100 COVER



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 # 3-644574-2
02P MTA100 CONN ASSY BLK LF



TE Part # 58638-1
MTA 100 CRIMP HEAD PRODUCTION POSTED

Also in the Series | MTA 100



Connector Caps & Covers(69)



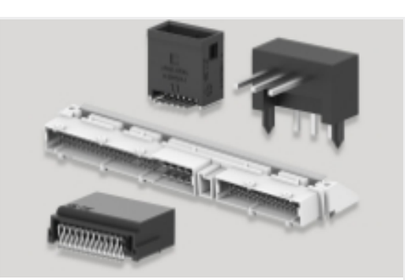
Connector Contacts(8)



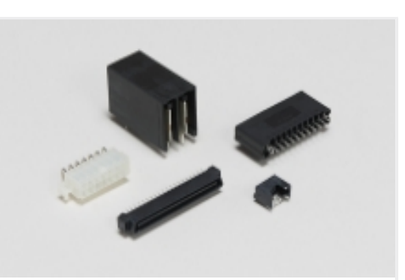
Connector Hardware(1)



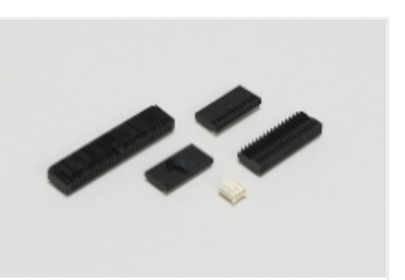
Insertion & Extraction Tools(2)



PCB Headers & Receptacles(441)



Standard Rectangular Connectors(495)



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

Customers Also Bought



TE Part #EEC-5X650A
ENCLOSURE, 5 X 6.50, BLK, VENT



TE Part #3-640622-2
02CIR MTA100 FD THR ASSY BLUE



TE Part #DTF15-12PA
DEUTSCH DT Headers



TE Part #DT04-2P-CE09
REC, 2P, BLK, E, XCAP



TE Part #5767054-1
MICT,RECPT,38,ASSY,PDNI



TE Part #8-1437657-8
8PCV-05-006=#8 TRIBARRIER



TE Part #DRC22-50P01
HDR, 50P, BLK, ST, AU/NI/CU, 01



TE Part #0460-244-16141
PIN, SOLID, SIZE 16, EXTENDED PCB, NI

Documents

Product Drawings

02P MTA100 PSTD CONN ASSY LF

English

CAD Files

Customer View Model

ENG_CVM_CVM_3-647002-2_D.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-647002-2_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-647002-2_D.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

Agency Approvals

Agency Approval Document

English