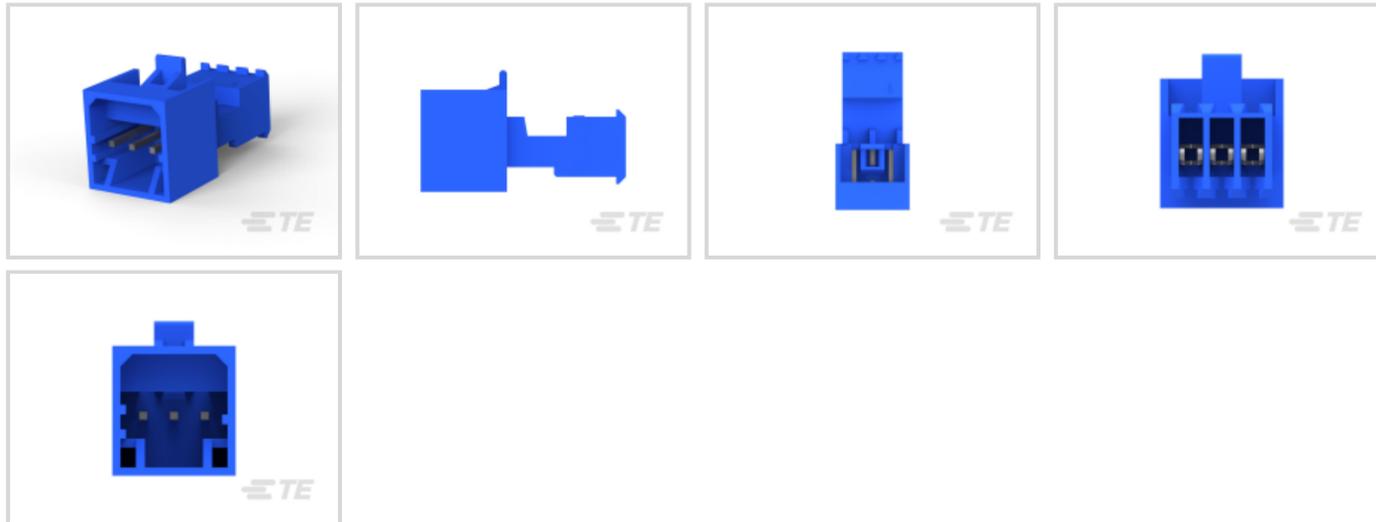# 3-647002-3   ✓ ACTIVE

MTA 100

TE Internal #: 3-647002-3

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

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

Compatible With Discrete Wire Type	Stranded
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

Configuration Features

Number of Cavities	3
Contacts Preloaded	Yes
Number of Positions	3
Number of Rows	1

3-647002-3

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

Electrical Characteristics

Operating Voltage	250 VAC

Contact Features

Contact Type	Tab
Wire Contact Termination Area Plating Material	Tin
Contact Underplating Material	Nickel
Contact Mating Area Plating Material	Tin
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	Latch
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

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

Dimensions

Connector Height	12.54 mm[.494 in]
Product Width	21.4 mm[.843 in]
Product Length	10.16 mm[.4 in]
Wire Size	.12 - .15 mm²

Usage Conditions

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

Operation/Application

Shielded	No
Circuit Application	Signal

3-647002-3

Standard Rectangular Connectors, Connector Assembly, Plug, Mating Alignment,
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Industry Standards

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

Packaging Features

Packaging Quantity	250
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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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

3-647002-3

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

TE Part # CAT-104MTA-NTPNR
MTA Receptacle: Nylon, Tin Plated, 2.54 mm

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

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

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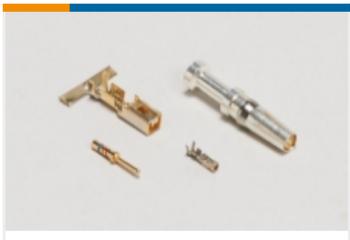MTA 50/100/156 MANUAL TOOL FRAME

TE Part # 3-644574-3
03P MTA100 CONN ASSY BLK LF

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

Also in the Series | MTA 100
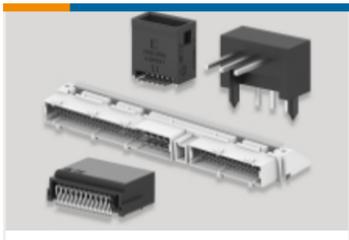
Connector Caps & Covers(69)

Connector Contacts(8)

Connector Hardware(1)

Insertion & Extraction Tools(2)

PCB Headers & Receptacles(440)

Standard Rectangular Connectors(495)
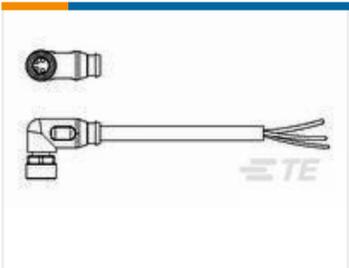
Wire-to-Board Connector Assemblies & Housings(1)

Customers Also Bought

TE Part # 5525DSO-SB005GS
5PSIG DIGITAL PRESSURE SENSOR

TE Part # MS583702BA01-50
MS5837-02BA01 2BA T&R PRESSURE SEN

TE Part # 2273011-1
M8 x 1.0 Angled socket Pigtail

TE Part # 4-1879378-1
TLR 2512 2.0W R0025 1% 150PPM 2K RL

3-647002-3

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

TE Part # 796638-8
8POS 5.08MM CE R/A HDR,TRM BLK

TE Part # 1879417-5
CPF0603 750K 0.1% 25PPM 5K RL

TE Part # 1-2176331-5
CRGP 2512 150R 1%

TE Part # 2337245-4
TACT MINI JB 5.2X5.2X2 260GF

TE Part # 42710-1
205 FASTON REC 22-18 AWG BR

TE Part # 9-2176422-5
TLRP 2512 3.0W R120 1% 75PPM 4K RL

Documents

Product Drawings

03P MTA100 PSTD CONN ASSY LF

English

CAD Files

Customer View Model

ENG_CVM_CVM_3-647002-3_D.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-647002-3_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-647002-3_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