



MTA 100

TE Internal #: 3-647002-3  
3 Position, Plug, Connector Assembly, Insulation Displacement (IDC), Wire-to-Wire, Tin (Sn), Normal, UL 94V-2, 2.54 mm [.1 in] Centerline, MTA 100

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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   |



Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 250 VAC |
|-------------------|---------|

Body Features

|                       |      |
|-----------------------|------|
| Primary Product Color | Blue |
|-----------------------|------|

Contact Features

|                                                |          |
|------------------------------------------------|----------|
| Contact Underplating Material                  | Nickel   |
| Wire Contact Termination Area Plating Material | Tin      |
| Contact Type                                   | Tab      |
| Contact Mating Area Plating Material           | Tin (Sn) |
| 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      |
| Centerline (Pitch) | 2.54 mm[.1 in] |

Dimensions

|                  |                   |
|------------------|-------------------|
| Connector Width  | 21.4 mm[.843 in]  |
| Connector Height | 12.54 mm[.494 in] |
| Wire Size        | 26 AWG            |
| Connector Length | 10.16 mm[.4 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 | 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: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content                               | Low Halogen - Br, Cl, F < 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 # CAT-104MTA-PLSCC  
Polyester PCB Connector Covers: 2.54 mm, MTA 100

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

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

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

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

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)

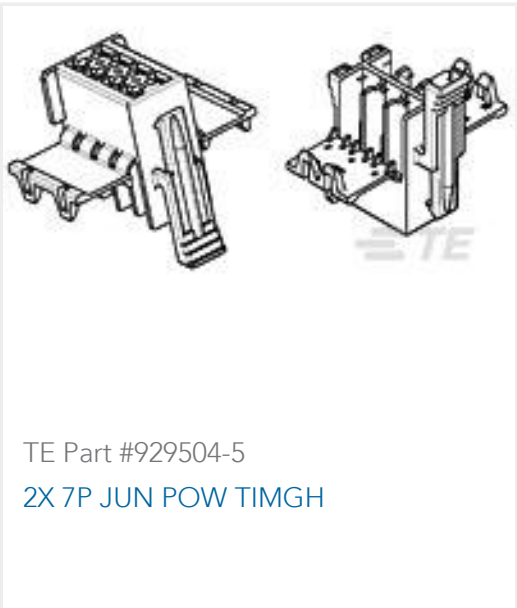
Customers Also Bought

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

TE Part #643075-4  
04P MTA100 MOLDED COVER

TE Part #3-643813-4  
04P MTA100 CONN ASSY POL RIB

TE Part #3-647002-6  
06P MTA100 PSTD CONN ASSY LF



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

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Product Specifications

Application Specification

English

Agency Approvals

Agency Approval Document

English