



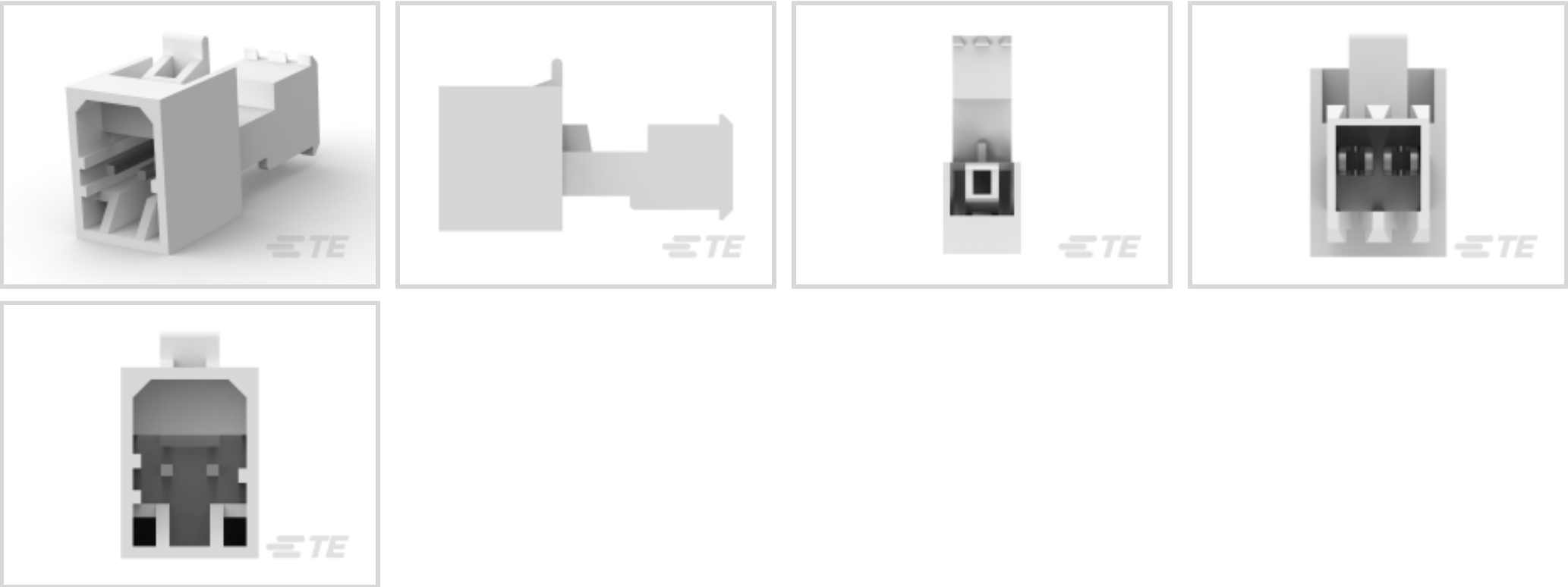
MTA 100

TE Internal #: 3-647001-2

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                                  | White                         |
| 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        | 24 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)<br>Candidate List Declared Against: JUNE 2024 (241)<br>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>



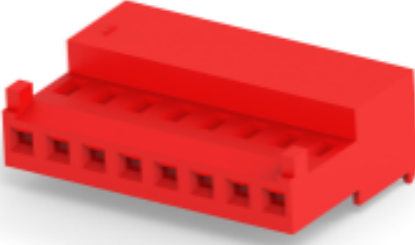


Compatible Parts

Also in the Series | MTA 100

Customers Also Bought





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



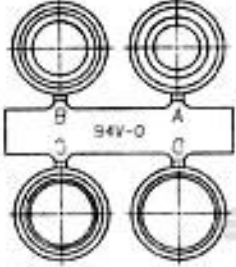
TE Part #3-640441-2  
MTA Receptacle: Nylon, Tin Plated, 2.54 mm



TE Part #3-647002-2  
02P MTA100 PSTD CONN ASSY LF



TE Part #3-644460-7  
07P MTA156 CONN ASSY 18AWG ORA



TE Part #747973-1  
GROMMET ASSORTMENT, SZ 3,4 & 5



TE Part #3-644662-2  
02P MTA156 CONN ASSY 22AWG LF

TE Part #2-361329-2  
HST300L-BK/100 C/Tie 300x3.6

Documents

Product Drawings

02P MTA100 PSTD CONN ASSY SN

English

CAD Files

3D PDF

English

Customer View Model

ENG\_CVM\_3-647001-2\_E.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_3-647001-2\_E.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_3-647001-2\_E.3d\_stp.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_3-647001-2\_C.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-647001-2\_C.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-647001-2\_C.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