



MTA 100

TE Internal #: 3-641237-8

Standard Rectangular Connectors, Connector Assembly, Receptacle, Mating Retention, Insulation Displacement (IDC), Wire-to-Board, MTA 100

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Connectors > Rectangular Connectors > Standard Rectangular Connectors > Nylon Gold Plated Receptacle: 2.54 mm, no Mating Alignment



Connector Product Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

Mating Alignment: **Without**

Mating Retention: **With**

Mating Retention Type: **Locking Ramp**

[All Nylon Gold Plated Receptacle: 2.54 mm, no Mating Alignment \(89\)](#)

**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  | 8   |
| Contacts Preloaded  | Yes |
| Number of Positions | 8   |
| Number of Rows      | 1   |

**Electrical Characteristics**

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

**Contact Features**

|  |            |
|--|------------|
| Contact Type                                   | Receptacle |
| Wire Contact Termination Area Plating Material | Tin        |
| Contact Underplating Material                  | Nickel     |



|                                      |  |
|--------------------------------------|--|
| Contact Mating Area Plating Material | Gold, 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                      | Without                    |
| Mating Retention                      | With                       |
| Mating Retention Type                 | Locking Ramp               |
| Connector Mounting Type               | Cable Mount (Free-Hanging) |

#### Housing Features

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

#### Dimensions

|                  |                         |
|------------------|-------------------------|
| Connector Height | 13.21 mm[.52 in]        |
| Product Width    | 6.99 mm[.275 in]        |
| Product Length   | 20.32 mm[.8 in]         |
| Wire Size        | .3 – .4 mm <sup>2</sup> |

#### Usage Conditions

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

#### Operation/Application

|                     |        |
|---------------------|--------|
| Shielded            | No     |
| Circuit Application | Signal |

#### Industry Standards

|                        |            |
|------------------------|------------|
| CSA Rating             | LR 7189    |
| UL Rating              | Recognized |
| Agency/Standard        | CSA, UL    |
| Approved Standards     | UL E28476  |
| UL Flammability Rating | UL 94V-2   |

#### Packaging Features



|                    |         |
|--------------------|---------|
| Packaging Quantity | 500     |
| Packaging Method   | Package |

## 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 2023 (235)<br>Candidate List Declared Against: JAN 2023 (233)<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

|  |  |  |  |
|--|--|--|--|
| <p>TE Part # CAT-104MTA-PLSCC<br/>Polyester PCB Connector Covers: 2.54 mm, MTA 100</p> | <p>TE Part # CAT-104MTA-NYLCC<br/>Nylon PCB Connector Covers: 2.54 mm, MTA 100</p> | <p>TE Part # CAT-104MTA-PRUSH<br/>PCB Header: Polyester, Right Angle, Unshrouded</p> | <p>TE Part # CAT-104MTA-PVUNH<br/>PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment</p> |
|--|--|--|--|



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

TE Part # 3-647116-8  
08P MTA100 HDR HT FL 30AU LF

TE Part # 3-647168-8  
08P MTA100 HDR ASSY SM 30AU LF

TE Part # 2-644487-8  
08P MTA100 SHRD HDR ASSY 30AU

TE Part # 641213-8  
08P MTA100 HDR ASSY PO/ST 30AU

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

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

TE Part # 58039-1  
MTA 100 ARBOR FIXTURE DISCRETE RBN CABLE

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

### Also in the Series | MTA 100

Insertion & Extraction Tools(2)

PCB Connector Covers(69)

PCB Connector Keying(1)

PCB Headers & Receptacles(451)

Standard Rectangular Connectors(497)

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

Wire-to-Board Connector Contacts(8)

### Customers Also Bought



|   |   |   |   |
|---|---|---|---|
| TE Part #3-641237-5<br>Nylon Gold Plated Receptacle: 2.54 mm, no Mating Alignment | TE Part #3-641215-8<br>08P MTA100 HDR ASSY FL/ST 30AU | TE Part #1-1879207-9<br>RN 0603 309K 0.1% 10PPM 5K RL | TE Part #51892<br>SPLICE,SOLIS BUTT 8     |
| TE Part #8-34105-1<br>SOLIS R 22-16 COMM 22-18 MIL 6                              | TE Part #NB12724001<br>RNF-100-1/2-BK-FSP             | TE Part #NB13504001<br>RNF-100-3/8-BK-FSP             | TE Part #EL88852001<br>VERSAFIT-1/8-0-STK |

## Documents

### Product Drawings

[08P MTA100 CONN ASSY RED 30AU](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_3-641237-8\\_Y.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-641237-8\\_Y.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-641237-8\\_Y.3d\\_stp.zip](#)

English

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### Product Specifications

[Application Specification](#)

English

### Product Environmental Compliance

[Product Compliance](#)

English

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English



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