



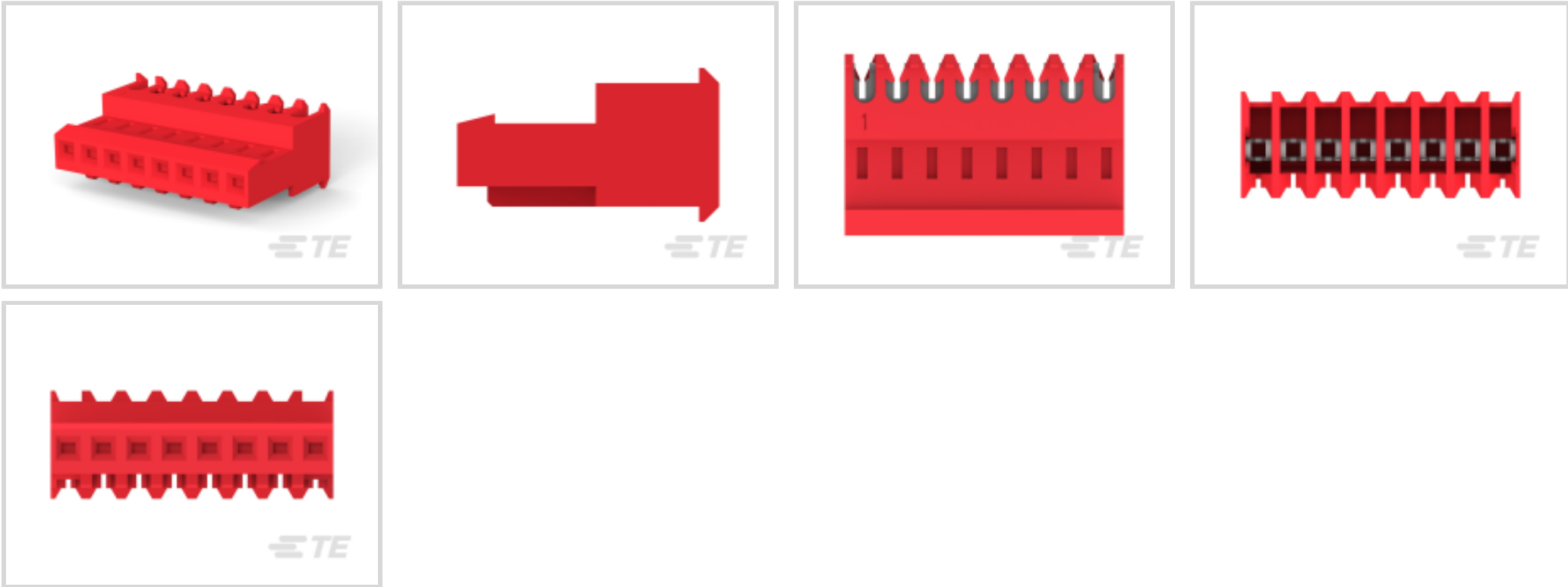
MTA 100

TE Internal #: 3-641241-8

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

[View on TE.com >](#)

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      |
| 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      | Red            |
| Centerline (Pitch) | 2.54 mm[.1 in] |

Dimensions

|                  |                         |
|------------------|-------------------------|
| Connector Height | 13.21 mm[.52 in]        |
| Product Width    | 7.75 mm[.305 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 |
| Compatible With Agency/Standards Products   | CSA, UL    |
| Compatible With Approved Standards Products | UL E28476  |
| UL Flammability Rating                      | UL 94V-2   |

Packaging Features

|                    |         |
|--------------------|---------|
| Packaging Quantity | 500     |
| 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)<br>Candidate List Declared Against: JAN 2024 (240)<br>Does not contain REACH SVHC |
| Halogen Content                               | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.                                                                        |
| 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-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 # CAT-104MTA-PRUSH  
PCB Header: Polyester, Right Angle, Unshrouded

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

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

Also in the Series | MTA 100

Connector Caps & Covers(69)

Connector Contacts(8)

Connector Hardware(1)

Insertion & Extraction Tools(2)

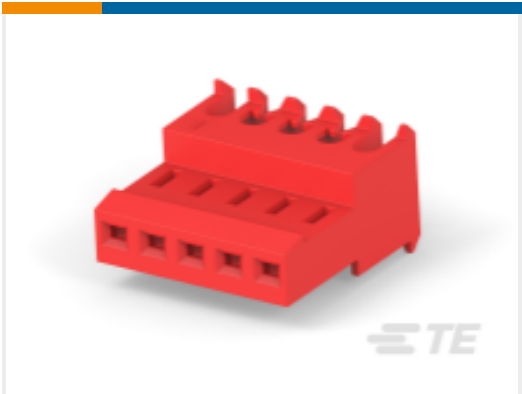
PCB Headers & Receptacles(440)

Standard Rectangular Connectors(495)

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

Customers Also Bought

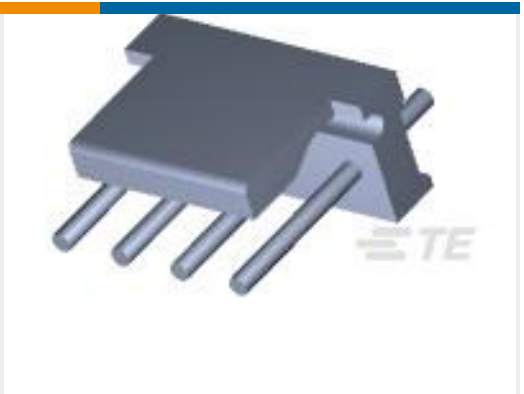




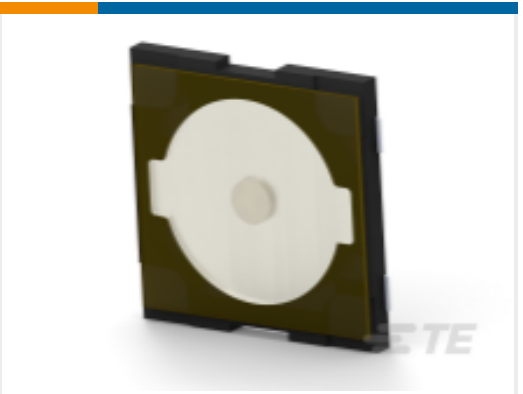
TE Part # 4-641190-2  
Nylon Gold Plated Receptacle: 2.54 mm, no Mating Alignment



TE Part # 3-641217-8  
08P MTA156 CONN ASSY 18AWG ORA



TE Part # 3-641209-4  
04P MTA156 HDR ASSY FL ST LF



TE Part # 2337232-5  
TACT MICRO JB 4.8X4.8X0.55 P2.8 360GF



TE Part # 5-103957-4  
4X5 MTE RCPT SR LATCH .100CL



TE Part # 3-641150-2  
02P MTA156 ASSY 22AWG RED LF

Documents

Product Drawings

08P MTA100 CONN ASSY RED LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_3-641241-8\_Y.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-641241-8\_Y.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-641241-8\_Y.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