



MTA 100

TE Internal #: 3-644020-3

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

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Connectors > Rectangular Connectors > Standard Rectangular Connectors >

Nylon Gold Plated Receptacle: 2.54 mm, with Mating Alignment, MTA 100



Connector Product Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

Mating Alignment: **With**

Mating Alignment Type: **Polarization**

Mating Retention: **With**

[All Nylon Gold Plated Receptacle: 2.54 mm, with Mating Alignment, MTA 100 \(74\)](#)

Features

Product Type Features

|                                    |                    |
|------------------------------------|--------------------|
| 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       |
| Compatible With Discrete Wire Type | Stranded           |

Mechanical Attachment

|                       |              |
|-----------------------|--------------|
| Mating Alignment      | With         |
| Mating Alignment Type | Polarization |
| Mating Retention      | With         |
| Mating Retention Type | Locking Ramp |



|                                       |                            |
|---------------------------------------|----------------------------|
| 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           | Gold Flash over Palladium Nickel, Gold |
| Contact Retention Within Housing               | With                                   |
| Contact Current Rating (Max)                   | 5 A                                    |
| Contact Underplating Material                  | Nickel                                 |
| Wire Contact Termination Area Plating Material | Tin                                    |
| Contact Type                                   | Receptacle                             |

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 | 3   |
| Number of Rows      | 1   |
| Number of Cavities  | 3   |
| 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    | 6.99 mm[.275 in] |
| Product Length   | 7.62 mm[.3 in]   |
| Connector Height | 13.21 mm[.52 in] |
| Wire Size        | 24 AWG           |

Packaging Features

|                    |         |
|--------------------|---------|
| Packaging Quantity | 500     |
| Packaging Method   | Bag/Box |

Product Compliance

For compliance documentation, visit the product page on [TE.com](#)>

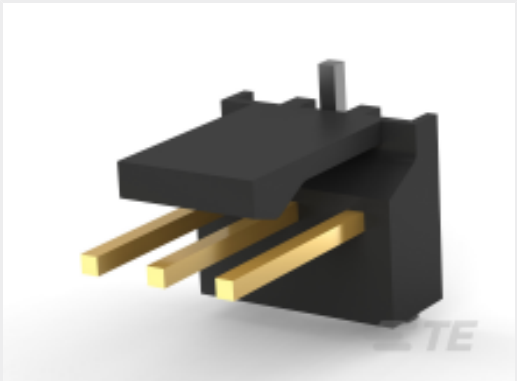
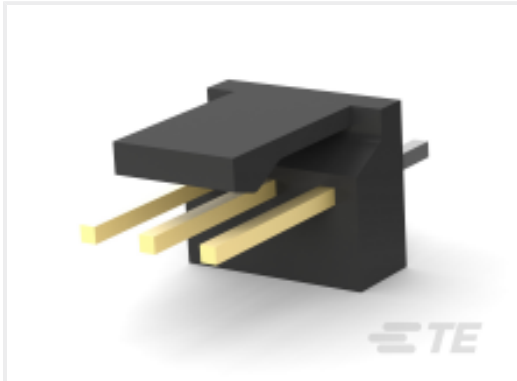
|                                               |                                                                                                                                 |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 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: 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>



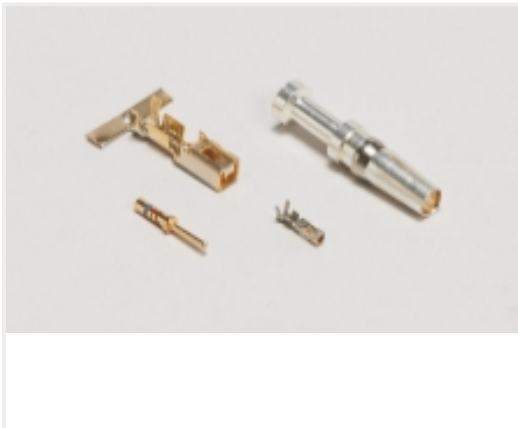
Compatible Parts

|                                                                                                                                                                                      |                                                                                                                                                                                           |                                                                                                                                                                            |                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # CAT-104MTA-NYLCC<br/>Nylon PCB Connector Covers: 2.54 mm, MTA 100</p>                 |  <p>TE Part # CAT-104MTA-PVUNH<br/>PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment</p> |  <p>TE Part # CAT-104MTA-PLSCC<br/>Polyester PCB Connector Covers: 2.54 mm, MTA 100</p> |  <p>TE Part # 3-641216-3<br/>03P MTA100 HDR ASSY FL/RA LF</p>   |
|  <p>TE Part # 3-647168-3<br/>03P MTA100 HDR ASSY SM 30AU LF</p>                                    |  <p>TE Part # 2-644487-3<br/>03P MTA100 SHRD HDR ASSY 30AU</p>                                         |  <p>TE Part # 3-641213-3<br/>03P MTA100 HDR ASSY PO/ST LF</p>                          |  <p>TE Part # 58074-1<br/>MTA 50/100/156 MANUAL TOOL FRAME</p> |
|  <p>TE Part # 58579-1<br/>MTA 100 MANUAL TOOL ASSEMBLY DISCRETE</p>                               |  <p>TE Part # 2-644489-3<br/>03P MTA100 SHRD HDR R/A 30AU L</p>                                       |  <p>TE Part # 3-647116-3<br/>03P MTA100 HDR HT FL 30AU LF</p>                         |  <p>TE Part # 3-647117-3<br/>03P MTA100 HDR HT FL 30AU LF</p> |
|  <p>TE Part # CAT-104MTA-PVBRH<br/>Polyester Vertical PCB Header: 2.54 mm, Breakaway, MTA 100</p> |  <p>TE Part # 58246-3<br/>MTA 100 CRIMP HEAD PRODUCTION RBBN CABLE</p>                                |  <p>TE Part # 58246-2<br/>MTA 100 CRIMP HEAD PRODUCTION DISCRETE</p>                  |                                                                                                                                                    |

Also in the Series | MTA 100



Connector Caps & Covers(69)



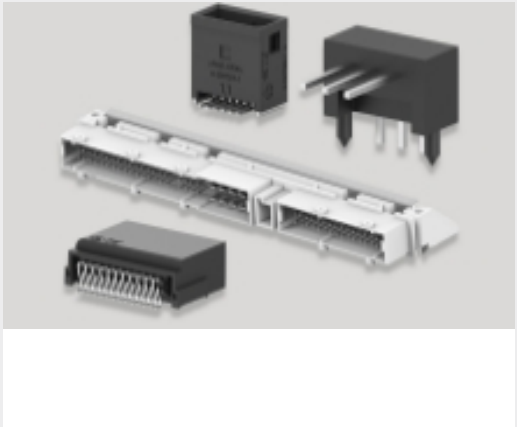
Connector Contacts(8)



Connector Hardware(1)



Insertion & Extraction Tools(2)



PCB Headers & Receptacles(441)



Standard Rectangular Connectors(495)



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

Customers Also Bought



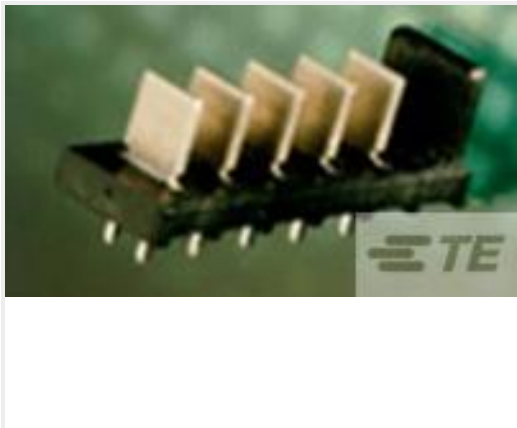
TE Part #3-644042-4  
Nylon Gold Plated Receptacle: 2.54 mm, with Mating Alignment, MTA 100



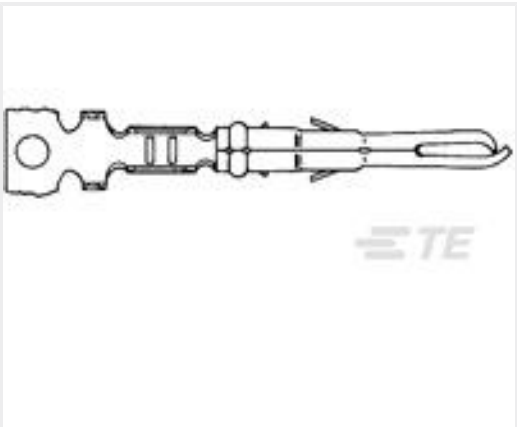
TE Part #1971777-4  
PTL TPA HIGH TEMP 1 x 4 BLACK



TE Part #2-34080-1  
PIDG SPD 22-16 COMM 22-18MIL 6



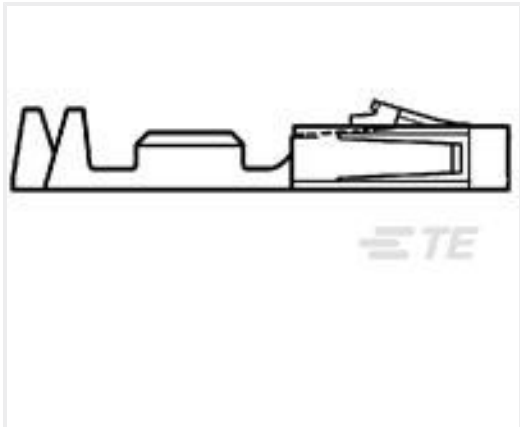
TE Part #5787444-1  
HDR ASY,VERT,NO KEY,STR TAIL



TE Part #350967-1  
MR PIN PTPPHBZ



TE Part #1971789-1  
CPA



TE Part #1-104480-2  
SHORT POINT CONT 15 DPLX STMPD LF



TE Part #1-1658621-1  
60 NOVO MIL/CTR 15DP,LEAD FREE



TE Part #11028266-00  
55036-BP GEM THERM

Documents



Product Drawings

03P MTA100 CONN ASSY 30AU

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_3-644020-3\_M.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-644020-3\_M.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-644020-3\_M.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