



MTA 100

TE Internal #: 3-644083-8

8 Position, Receptacle, Connector Assembly, Insulation

Displacement (IDC), Wire-to-Board, Tin (Sn), Normal, UL 94V-0,

MTA 100

[View on TE.com >](#)

Connectors > Rectangular Connectors > Standard Rectangular Connectors > Nylon Tin Plated Receptacle: 2.54 mm, with Mating Alignment, MTA 100



Connector Product Type: **Connector Assembly**

Mating Alignment: **With**

Mating Alignment Type: **Polarization**

Connector & Housing Type: **Receptacle**

Mating Retention Type: **Locking Ramp**

[All Nylon Tin Plated Receptacle: 2.54 mm, with Mating Alignment, MTA 100 \(127\)](#)

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 |
|-------------------|---------|

Body Features

|                       |       |
|-----------------------|-------|
| Primary Product Color | Black |
|-----------------------|-------|

Contact Features

|                                                |            |
|------------------------------------------------|------------|
| Contact Underplating Material                  | Nickel     |
| Wire Contact Termination Area Plating Material | Tin        |
| Contact Type                                   | Receptacle |
| 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 Type                 | Locking Ramp               |
| Mating Retention                      | With                       |
| Connector Mounting Type               | Cable Mount (Free-Hanging) |

Housing Features

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

Dimensions

|                                      |                  |
|--------------------------------------|------------------|
| Compatible Insulation Diameter (Max) | 1.52 mm[.06 in]  |
| Connector Width                      | 6.99 mm[.275 in] |
| Connector Height                     | 13.21 mm[.52 in] |
| Wire Size                            | 22 AWG           |
| Connector Length                     | 20.32 mm[.8 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-0   |

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 2025 (247)<br>Candidate List Declared Against: JAN 2025 (247)<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

|                                                                                                    |                                                                                               |                                                                                             |                                                                                  |
|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| <br>TE Part # CAT-104MTA-PVUNH<br>PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment | <br>TE Part # 58246-3<br>MTA 100 CRIMP HEAD PRODUCTION RBBN CABLE                             | <br>TE Part # 58579-1<br>MTA 100 MANUAL TOOL ASSEMBLY DISCRETE                              | <br>TE Part # 3-647050-8<br>08P MTA100 HDR ASSY F/L HITEMP                       |
| <br>TE Part # CAT-104MTA-NYLCC<br>Nylon PCB Connector Covers: 2.54 mm, MTA 100                     | <br>TE Part # 58074-1<br>MTA 50/100/156 MANUAL TOOL FRAME                                     | <br>TE Part # 640455-8<br>08P MTA100 HDR ASSY SQ R/A POL                                    | <br>TE Part # CAT-104MTA-PRSMH<br>PCB Header, Right Angle, Polyester, 2.54 mm    |
| <br>TE Part # CAT-104MTA-PVBRH<br>Polyester Vertical PCB Header: 2.54 mm, Breakaway, MTA 100       | <br>TE Part # 58246-2<br>MTA 100 CRIMP HEAD PRODUCTION DISCRETE                               | <br>TE Part # CAT-104MTA-PLSCC<br>Polyester PCB Connector Covers: 2.54 mm, MTA 100          | <br>TE Part # CAT-104MTA-PRUSH<br>PCB Header: Polyester, Right Angle, Unshrouded |
| <br>TE Part # CAT-104MTA-NVSMH<br>PCB Header: Nylon, Vertical, Surface Mount, MTA 100              | <br>TE Part # CAT-104MTA-NTPMP<br>MTA Plug: Nylon, Tin Plated, 2.54 mm, with Mating Alignment | <br>TE Part # CAT-104MTA-PVSHH<br>Polyester Vertical PCB Header: 2.54 mm, Shrouded, MTA 100 | <br>TE Part # 640454-8<br>08P MTA100 HDR ASSY SQ STR POL                         |

Also in the Series | MTA 100

|                                 |                           |                           |                                    |
|---------------------------------|---------------------------|---------------------------|------------------------------------|
| <br>Connector Caps & Covers(69) | <br>Connector Contacts(8) | <br>Connector Hardware(1) | <br>PCB Headers & Receptacles(441) |
|---------------------------------|---------------------------|---------------------------|------------------------------------|



Rectangular Connector Housings(1)



Rectangular Power Connectors(1)



Standard Rectangular Connectors(496)



Wire-to-Board Connector Assemblies & Housings(457)

Customers Also Bought



TE Part #6706090001  
TMS-SCE-1-1/2-2-0-4



TE Part #51864-9  
TERMINAL,PIDG R IR 14 10



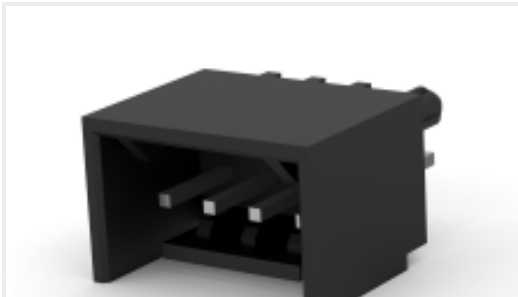
TE Part #66102-8  
III+ PIN,24-20,15AU/FL,STRIP



TE Part #3-641534-8  
08P MTA100 CONN ASSY 22AWG



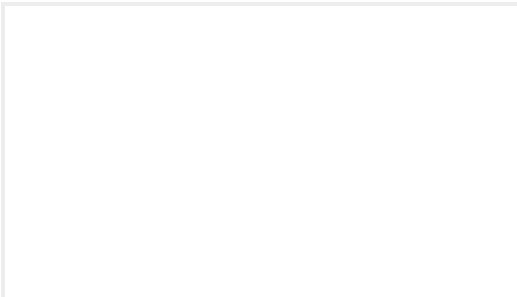
TE Part #3-644083-3  
03P MTA100 CONN ASSY POL TAB



TE Part #CAT-104MTA-PVSHH  
Polyester Vertical PCB Header: 2.54 mm, Shrouded, MTA 100



TE Part #2176404-9  
3550 30K 1%



TE Part #Y323-1111-00-00000  
26PIN MALE HIGH DENSITY D-CONNECTOR WIRE



TE Part #9105556001  
TMS-CCUV-SLEEVE-8-X-65MM

Documents

Product Drawings

08P MTA100 CONN ASSY POL TAB

English

CAD Files

Customer View Model

ENG\_CVM\_3-644083-8\_H.3d\_stp.zip

English

Customer View Model



[ENG\\_CVM\\_3-644083-8\\_H.2d\\_dxf.zip](#)

English

[3D PDF](#)

English

Customer View Model

[ENG\\_CVM\\_3-644083-8\\_H.3d\\_igs.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Agency Approvals

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