



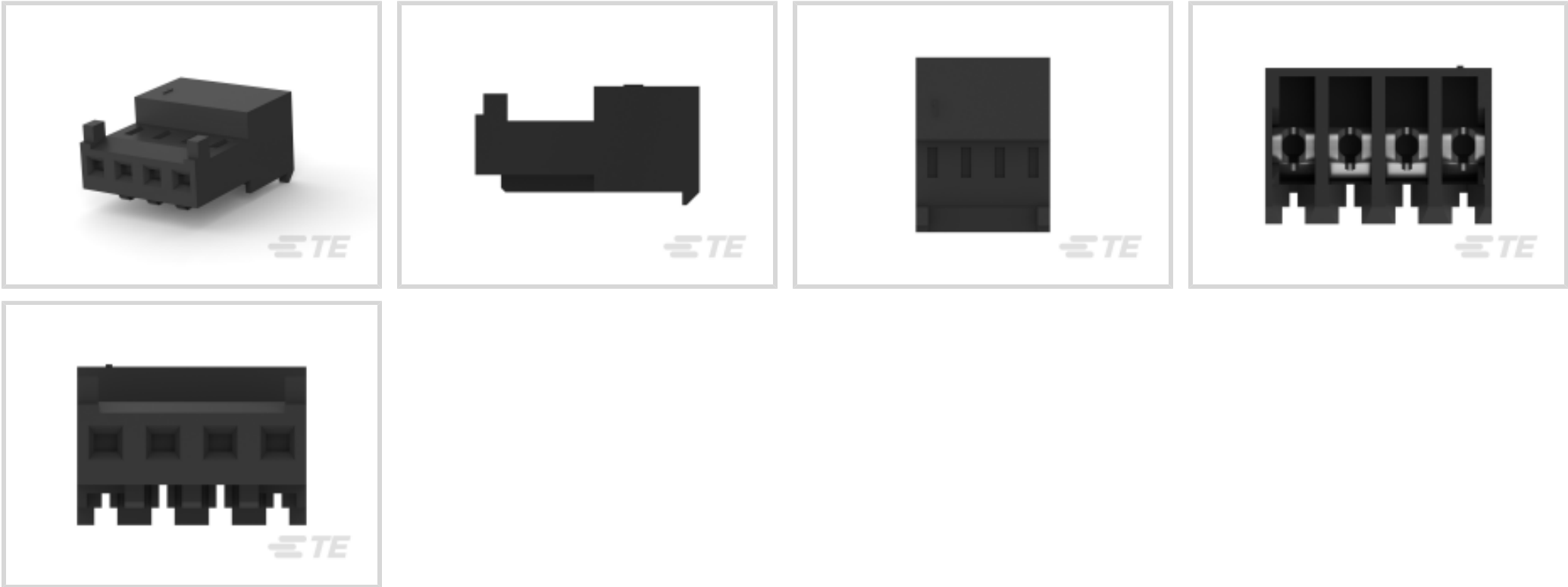
MTA 100

TE Internal #: 3-644083-4

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

Connector & Housing Type: **Receptacle**

Mating Alignment: **With**

Mating Alignment Type: **Polarization**

Mating Retention: **With**

[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  | 4   |
| Contacts Preloaded  | Yes |
| Number of Positions | 4   |
| 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           | Tin        |
| 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                      | With                       |
| Mating Retention Type                 | Locking Ramp               |
| Connector Mounting Type               | Cable Mount (Free-Hanging) |

Housing Features

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

Dimensions

|                                      |                         |
|--------------------------------------|-------------------------|
| Compatible Insulation Diameter (Max) | 1.52 mm[.06 in]         |
| Connector Height                     | 13.21 mm[.52 in]        |
| Product Width                        | 6.99 mm[.275 in]        |
| Product Length                       | 10.16 mm[.4 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-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 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<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>

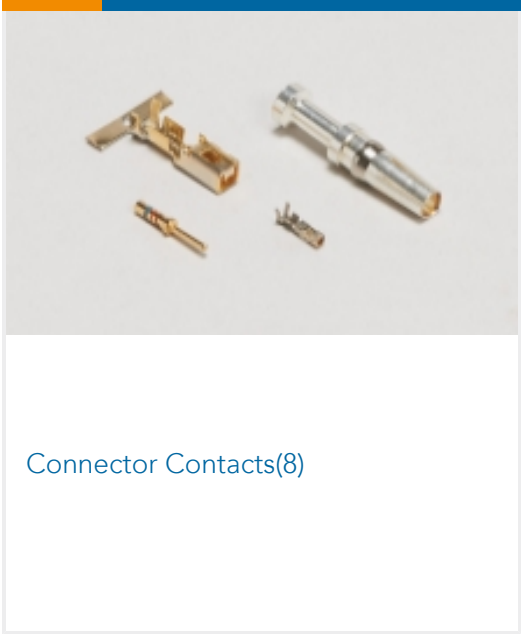
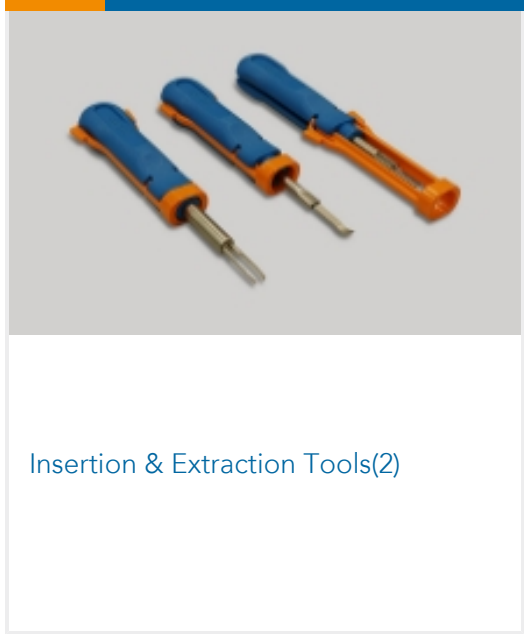
Compatible Parts





|                                                                                                                                                                                     |                                                                                                                                                                         |                                                                                                                                                                                        |                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # CAT-104MTA-NTPMP<br/>MTA Plug: Nylon, Tin Plated, 2.54 mm, with Mating Alignment</p> |  <p>TE Part # CAT-104MTA-PRUSH<br/>PCB Header: Polyester, Right Angle, Unshrouded</p> |  <p>TE Part # CAT-104MTA-PVSHH<br/>Polyester Vertical PCB Header: 2.54 mm, Shrouded, MTA 100</p>    |  <p>TE Part # CAT-104MTA-NVSMH<br/>PCB Header: Nylon, Vertical, Surface Mount, MTA 100</p>               |
|  <p>TE Part # CAT-104MTA-NYLCC<br/>Nylon PCB Connector Covers: 2.54 mm, MTA 100</p>               |  <p>TE Part # 640454-4<br/>04P MTA100 HDR ASSY SQ STR POL</p>                        |  <p>TE Part # CAT-104MTA-PRSMH<br/>PCB Header, Right Angle, Polyester, 2.54 mm</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 # 640455-4<br/>04P MTA100 HDR ASSY SQ R/A POL</p>                       |  <p>TE Part # CAT-104MTA-PVBRH<br/>Polyester Vertical PCB Header: 2.54 mm, Breakaway, MTA 100</p> |  <p>TE Part # CAT-104MTA-NVTHH<br/>Nylong Vertical PCB Header: 2.54mm, Through Hole, MTA 100</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 # 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

|                                                                                                                            |                                                                                                                   |                                                                                                                    |                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
|  <p>Connector Caps &amp; Covers(69)</p> |  <p>Connector Contacts(8)</p> |  <p>Connector Hardware(1)</p> |  <p>Insertion &amp; Extraction Tools(2)</p> |
|----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|





PCB Headers & Receptacles(440)



Standard Rectangular Connectors(495)



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

Customers Also Bought



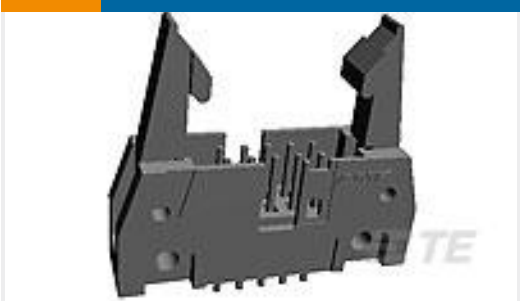
TE Part # 5787082-2  
26 50SR R/A RCPT ASSY,RDSN L/F



TE Part # 3-644042-8  
08P MTA100 CONN ASSY LF



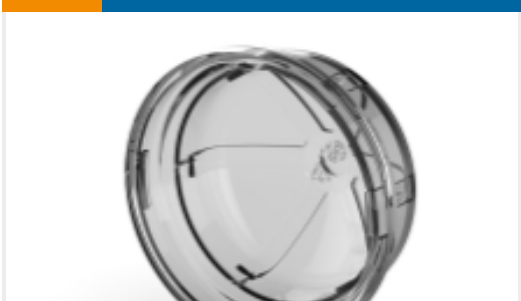
TE Part # 3-644083-3  
03P MTA100 CONN ASSY POL TAB



TE Part # 5499910-5  
A/L UNIV HDR 24P VERT SHT LAT



TE Part # 1658622-5  
24 NOVO MIL/CTR 30DP,LEAD FREE



TE Part # 2329013-1  
LUMAWISE 40MM DIA DOME SMOKE GRAY LOW



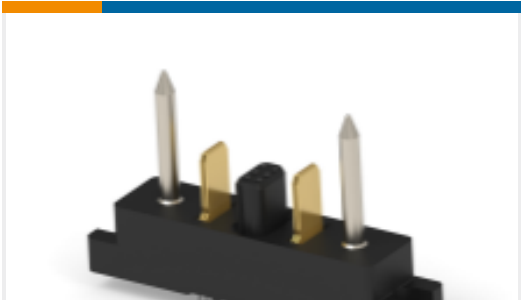
TE Part # 3-2176391-9  
RQ 1206 30K9 0.1% 10PPM 5K RL



TE Part # 4-2176388-8  
RQ 1206 30R9 0.1% 10PPM 5K RL



TE Part # 1925215-9  
TMN2N015PC2DM018S = M32139/03-B05SNS



TE Part # 6766301-1  
CONNECTOR, SOCKET, STRAIGHT, SOLDER,FLA

Documents

Product Drawings

04P MTA100 CONN ASSY POL TAB

English

CAD Files

Customer View Model

ENG\_CVM\_3-644083-4\_H.3d\_stp.zip

English

Customer View Model



[ENG\\_CVM\\_3-644083-4\\_H.2d\\_dxf.zip](#)

English

[3D PDF](#)

English

Customer View Model

[ENG\\_CVM\\_3-644083-4\\_H.3d\\_igs.zip](#)

English

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[Product Specifications](#)

[Application Specification](#)

English

[Agency Approvals](#)

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English