



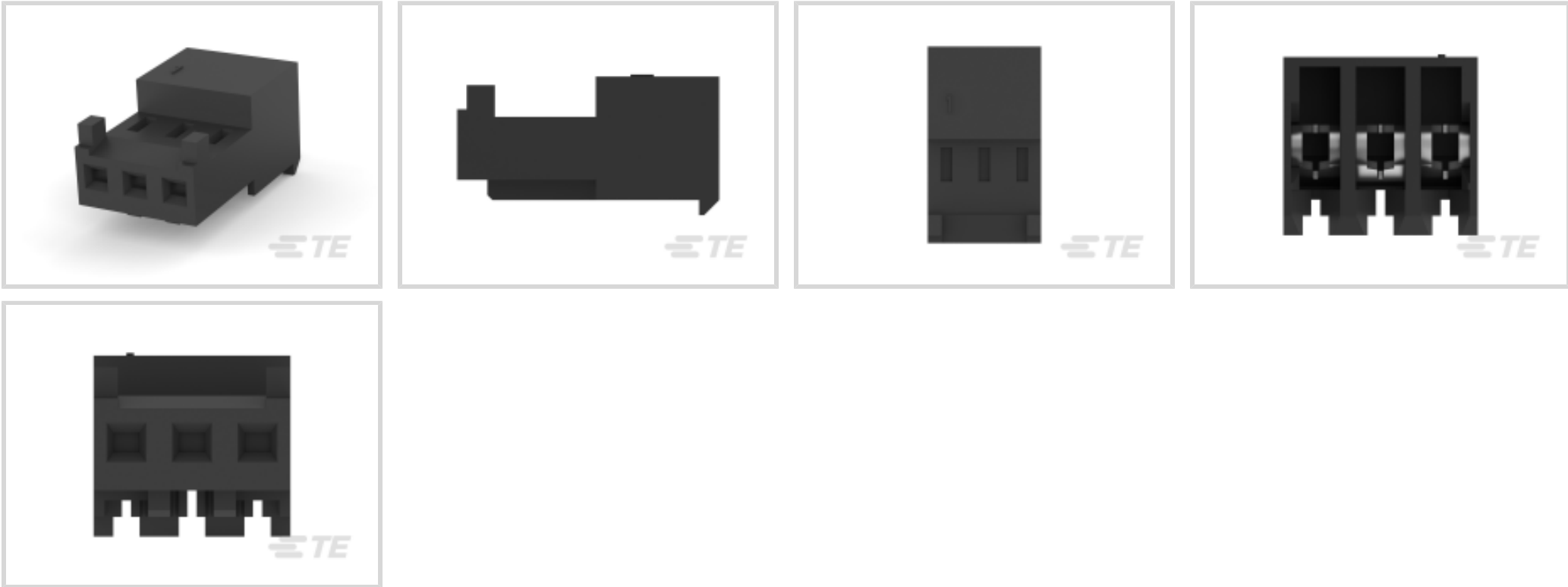
MTA 100

TE Internal #: 3-644313-3

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

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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  | 3   |
| Contacts Preloaded  | Yes |
| Number of Positions | 3   |
| 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                       | 7.62 mm[.3 in]            |
| Wire Size                            | .12 - .15 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   | 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: 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

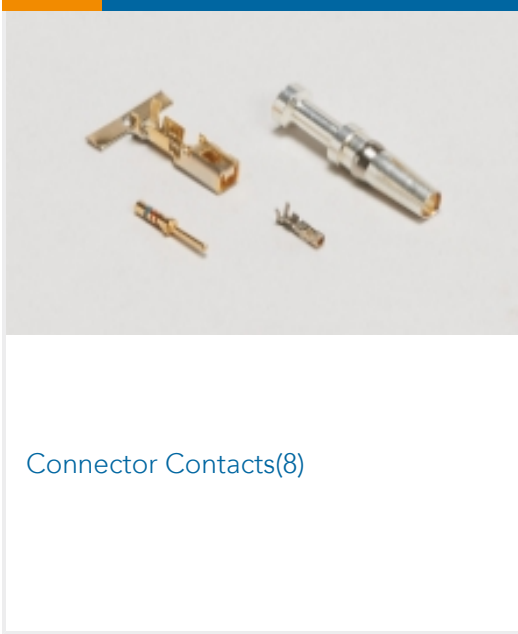
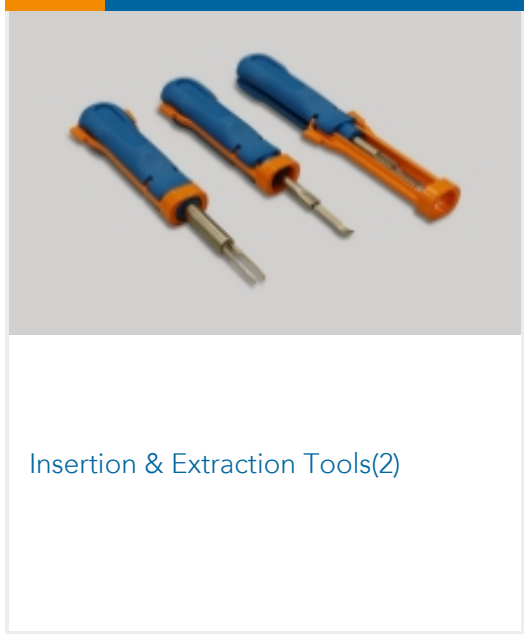
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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-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-NYLCC<br/>Nylon PCB Connector Covers: 2.54 mm, MTA 100</p>    |  <p>TE Part # CAT-104MTA-PLSCC<br/>Polyester PCB Connector Covers: 2.54 mm, MTA 100</p>           |
|  <p>TE Part # 640454-3<br/>03P MTA100 HDR ASSY SQ STR POL</p>                                      |  <p>TE Part # CAT-104MTA-NVSMH<br/>PCB Header: Nylon, Vertical, Surface Mount, MTA 100</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-PVBRH<br/>Polyester Vertical PCB Header: 2.54 mm, Breakaway, MTA 100</p> |  <p>TE Part # CAT-104MTA-PRUMH<br/>PCB Header: Polyester, Right Angle, 2.54 mm</p>                    |  <p>TE Part # 3-647051-3<br/>03P MTA100 HRD ASSYF/L HT 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 # 3-647050-3<br/>03P MTA100 HDR ASSY F/L HITEMP</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)

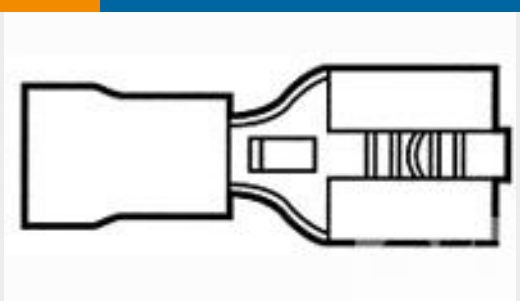
Customers Also Bought



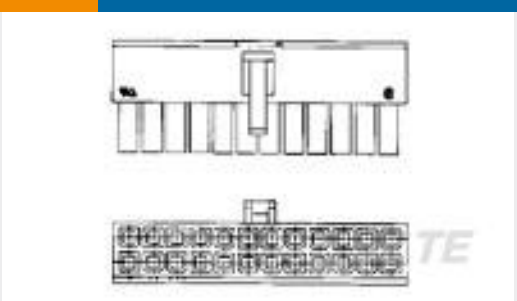
TE Part # 640903-1  
RECEPT,PIDG FASTON 22-18 250



TE Part # 8-320861-1  
TERMINAL,PIDG SPD FLG 16-14 6



TE Part # 8-640905-1  
RECEPT,PIDG FASTON 16-14 250



TE Part # 794954-4  
4P RCPT VAL-U-LOK V2



TE Part # 34318  
SPLICE,SOLIS PARA 8



TE Part # 322249  
PG SPDFLG 22-16COMM 22-18MIL 6

Documents

Product Drawings

03P MTA100 CONN ASSY POL TAB

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_3-644313-3\_F.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-644313-3\_F.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-644313-3\_F.3d\_stp.zip

English

Customer View Model



[ENG\\_CVM\\_3-644313-3\\_E.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_3-644313-3\\_E.3d\\_stp.zip](#)

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Customer View Model

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English

[3D PDF](#)

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**Product Specifications**

[Application Specification](#)

English

**Agency Approvals**

[Agency Approval Document](#)

English