



MTA 100

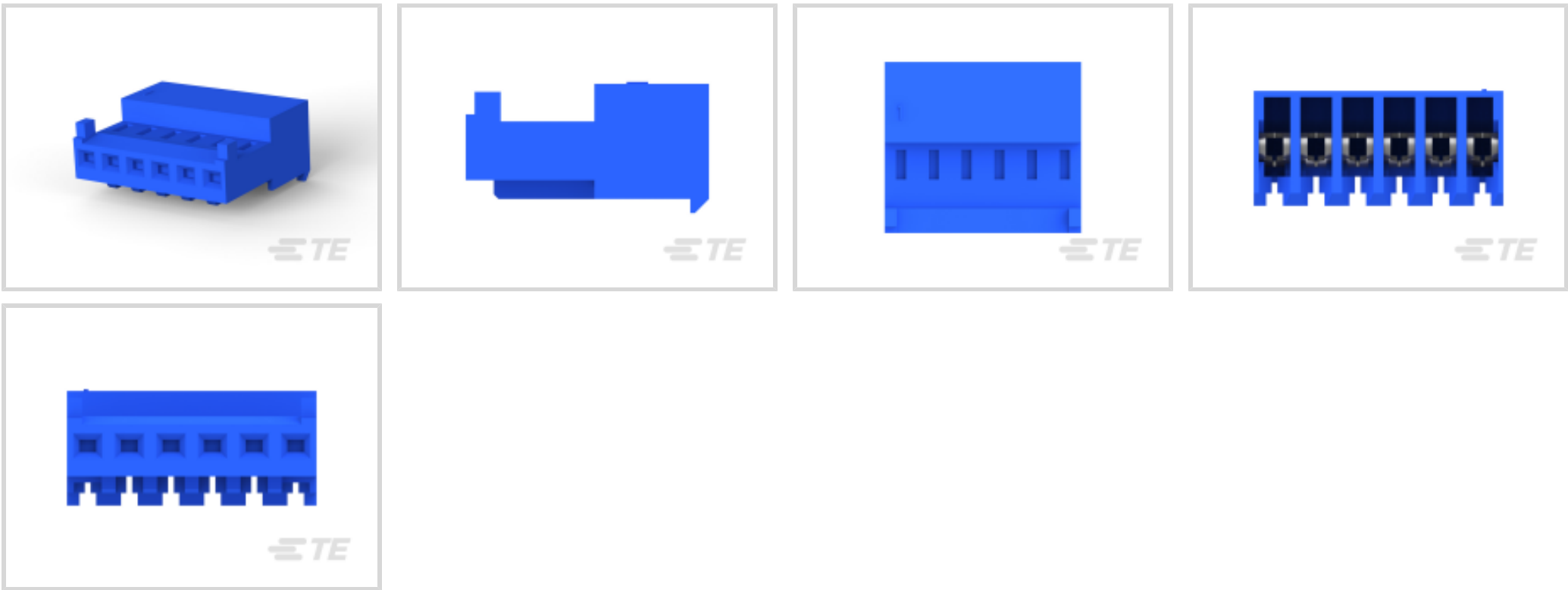
TE Internal #: 3-644043-6

Connector Assembly, Receptacle, Insulation Displacement (IDC),  
Wire-to-Board, MTA 100, Rectangular Wire & Cable Connectors &  
Housings

[View on TE.com >](#)

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

|                                    |                    |
|------------------------------------|--------------------|
| 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  | 6   |
| Contacts Preloaded  | Yes |
| Number of Positions | 6   |
| Number of Rows      | 1   |



Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 250 VAC |
|-------------------|---------|

Body Features

|                       |      |
|-----------------------|------|
| Primary Product Color | Blue |
|-----------------------|------|

Contact Features

|                                                |                                             |
|------------------------------------------------|---------------------------------------------|
| Contact Underplating Material                  | Nickel                                      |
| Wire Contact Termination Area Plating Material | Tin                                         |
| Contact Type                                   | Receptacle                                  |
| Contact Mating Area Plating Material           | Gold (Au), 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                      | 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 6/6      |
| Centerline (Pitch) | 2.54 mm[.1 in] |

Dimensions

|                                      |                  |
|--------------------------------------|------------------|
| Compatible Insulation Diameter (Max) | 1.52 mm[.06 in]  |
| Connector Width                      | 13.21 mm[.52 in] |
| Connector Height                     | 6.99 mm[.275 in] |
| Wire Size                            | 26 AWG           |
| Connector Length                     | 15.24 mm[.6 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-2   |

Packaging Features

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

Product Compliance

For compliance documentation, visit the product page on TE.com>

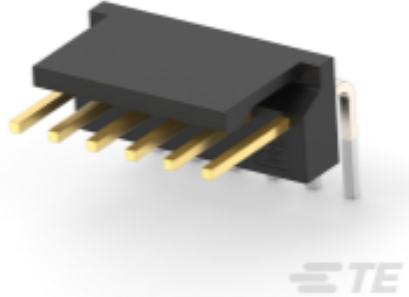
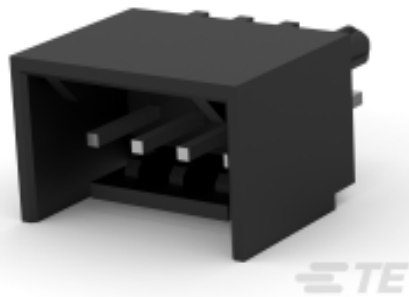
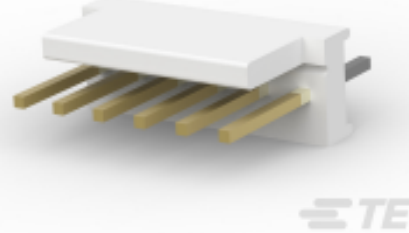
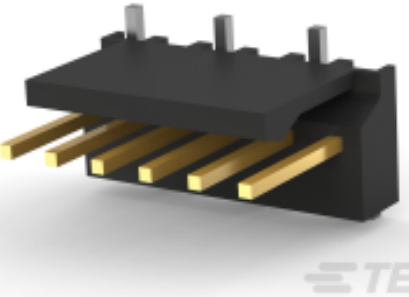
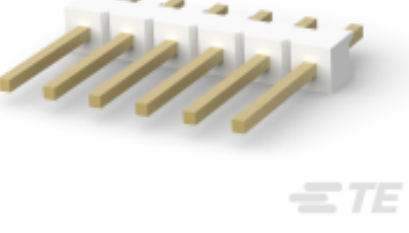
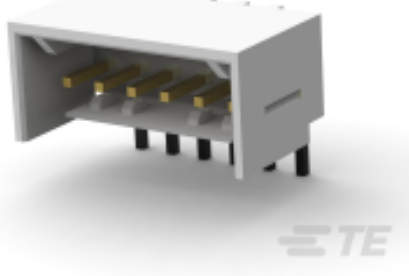
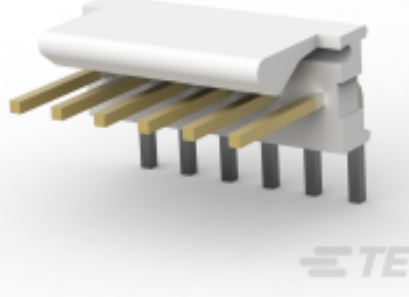
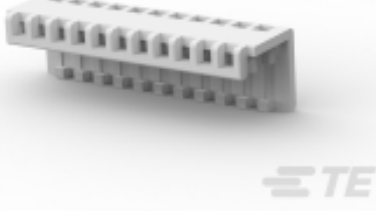
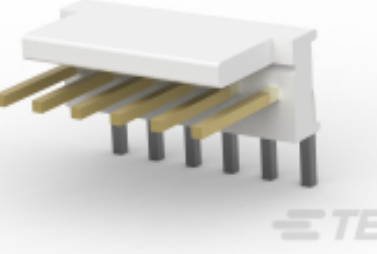
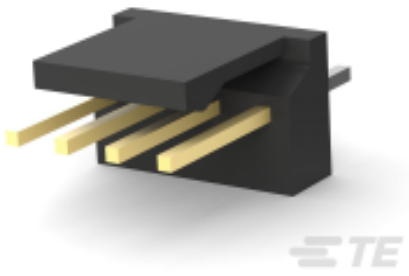
|                                               |                                                                                                                               |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 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 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>



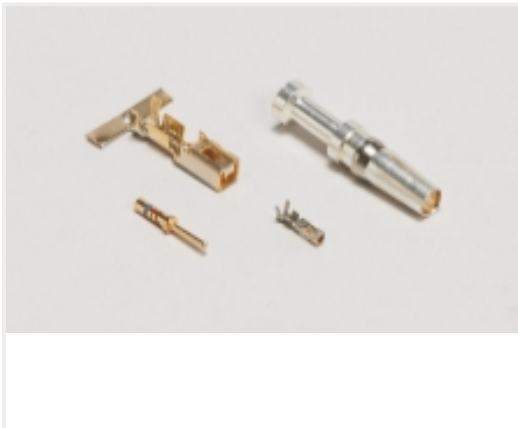
Compatible Parts

|                                                                                                                                                                                    |                                                                                                                                                                                            |                                                                                                                                                             |                                                                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 3-647117-6<br/>06P MTA100 HDR HT FL 30AU LF</p>                                     |  <p>TE Part # CAT-104MTA-PVSHH<br/>Polyester Vertical PCB Header: 2.54 mm, Shrouded, MTA 100</p>          |  <p>TE Part # 3-641213-6<br/>06P MTA100 HDR ASSY PO/ST LF</p>            |  <p>TE Part # 3-647168-6<br/>06P MTA100 HDR ASSY SM 30AU LF</p>                           |
|  <p>TE Part # 644884-6<br/>06P MTA100 HDR ASSY, NARROW AU</p>                                    |  <p>TE Part # 2-644489-6<br/>06P MTA100 SHRD HDR R/A 30AU L</p>                                          |  <p>TE Part # 3-641216-6<br/>06P MTA100 HDR ASSY FL/RA LF</p>           |  <p>TE Part # CAT-104MTA-PLSCC<br/>Polyester PCB Connector Covers: 2.54 mm, MTA 100</p> |
|  <p>TE Part # 58246-2<br/>MTA 100 CRIMP HEAD PRODUCTION DISCRETE</p>                            |  <p>TE Part # CAT-104MTA-NYLCC<br/>Nylon PCB Connector Covers: 2.54 mm, MTA 100</p>                     |  <p>TE Part # 58074-1<br/>MTA 50/100/156 MANUAL TOOL FRAME</p>         |  <p>TE Part # 3-641214-6<br/>06P MTA100 HDR ASSY PO/RA LF</p>                           |
|  <p>TE Part # CAT-104MTA-NVTHH<br/>Nylon Vertical PCB Header: 2.54mm, Through Hole, MTA 100</p> |  <p>TE Part # CAT-104MTA-PVUNH<br/>PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment</p> |  <p>TE Part # 58246-3<br/>MTA 100 CRIMP HEAD PRODUCTION RBBN CABLE</p> |  <p>TE Part # 58579-1<br/>MTA 100 MANUAL TOOL ASSEMBLY DISCRETE</p>                     |

Also in the Series | MTA 100



Connector Caps & Covers(69)



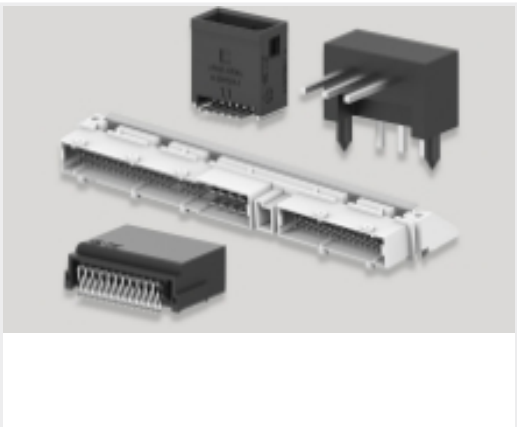
Connector Contacts(8)



Connector Hardware(1)



Insertion & Extraction Tools(2)



PCB Headers & Receptacles(441)



Rectangular Connector Housings(1)



Rectangular Power Connectors(1)



Wire-to-Board Headers & Receptacles (441)

Customers Also Bought



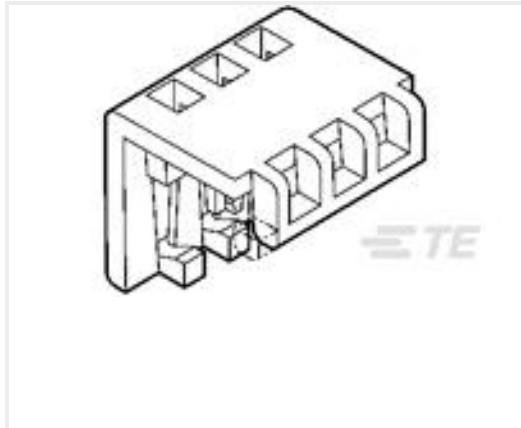
TE Part #CAT-104MTA-PVUNH  
PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment



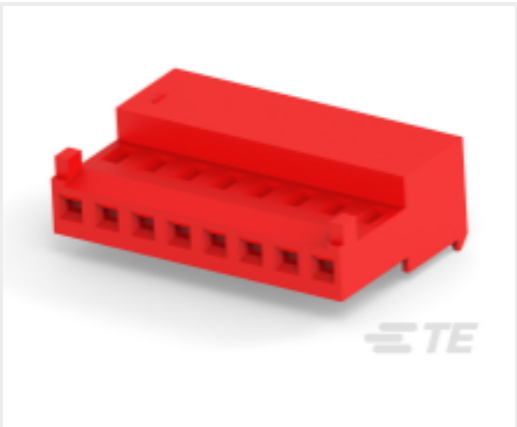
TE Part #205205-2  
CRIMP SNAP RCPT ASSY,SIZE 2



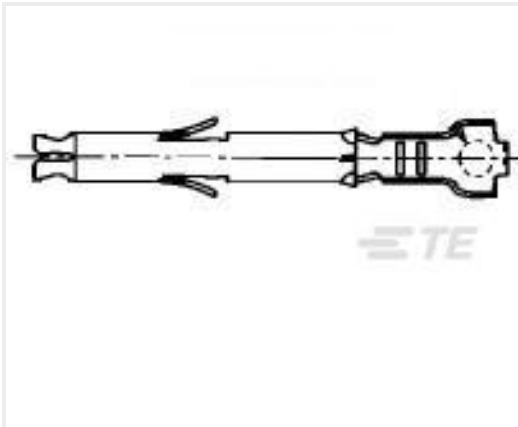
TE Part #172234-1  
3P MINI UNIVERSAL MATE-N-LOK CAP HOUSING



TE Part #643075-6  
06P MTA100 MOLDED COVER



TE Part #CAT-104MTA-NGPMR  
Nylon Gold Plated Receptacle: 2.54 mm, with Mating Alignment, MTA 100



TE Part #170366-3  
MINI UNIVERSAL M-N-L SOCKET LP



TE Part #205206-3  
CRIMP SNAP PLUG ASSY,SIZE 2



TE Part #5-103945-4  
4X5 MTE SHRD PIN SR LATCH .100

Documents

Product Drawings  
06P MTA100 CONN ASSY LF  
English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_3-644043-6\_H.2d\_dxf.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-644043-6\\_H.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-644043-6\\_H.3d\\_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Agency Approvals

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English