

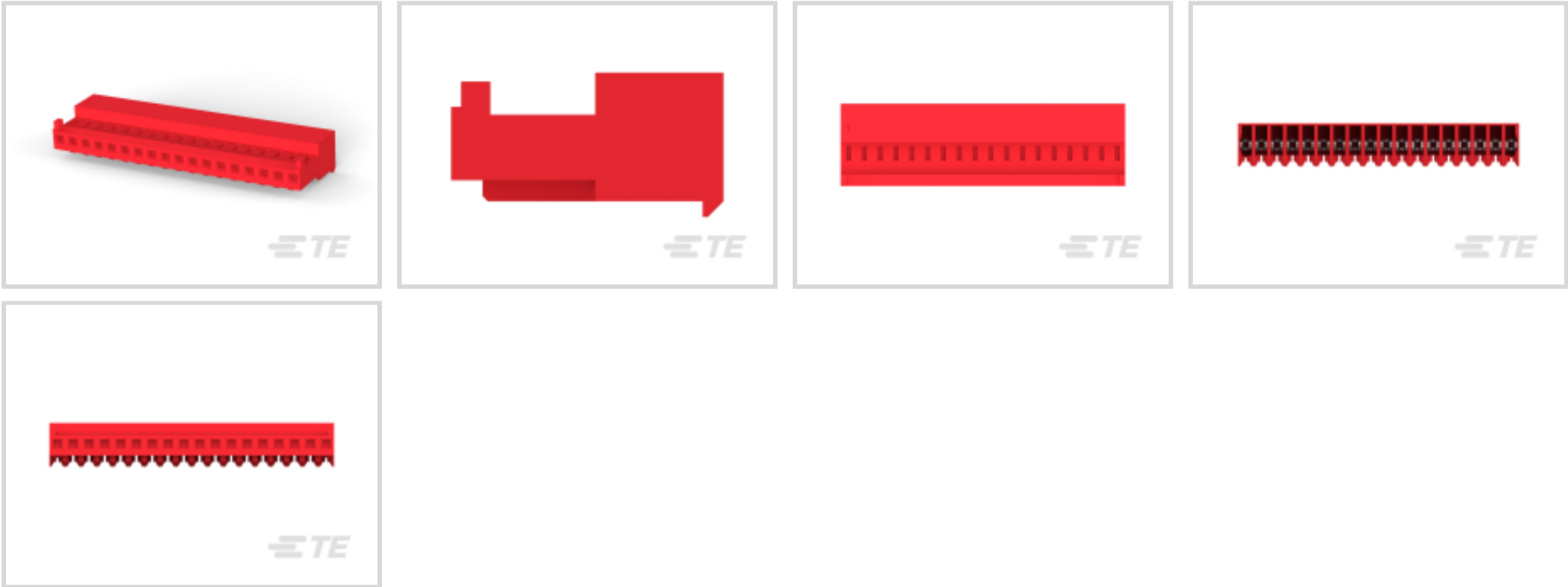


MTA 100

TE Internal #: 4-643813-8  
18 Position, Receptacle, Connector Assembly, Insulation  
Displacement (IDC), Wire-to-Board, Tin (Sn), Normal, UL 94V-2,  
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  | 18  |
| Contacts Preloaded  | Yes |
| Number of Positions | 18  |
| Number of Rows      | 1   |



Electrical Characteristics

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

Body Features

|                       |     |
|-----------------------|-----|
| Primary Product Color | Red |
|-----------------------|-----|

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

|                  |                  |
|------------------|------------------|
| Connector Width  | 6.99 mm[.275 in] |
| Connector Height | 13.21 mm[.52 in] |
| Wire Size        | 22 AWG           |
| Connector Length | 45.72 mm[1.8 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-2   |

Packaging Features

|                    |              |
|--------------------|--------------|
| Packaging Quantity | 250          |
| Packaging Method   | Box & Carton |

Product Compliance

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

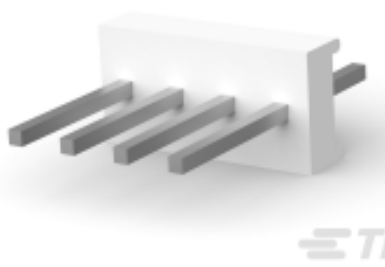
|                                               |                                                                                                                                 |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive 2011/65/EU                  | Compliant                                                                                                                       |
| EU ELV Directive 2000/53/EC                   | Compliant                                                                                                                       |
| China RoHS 2 Directive MIIT Order No 32, 2016 | 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold                                                                         |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content                               | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.                                                                          |
| 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





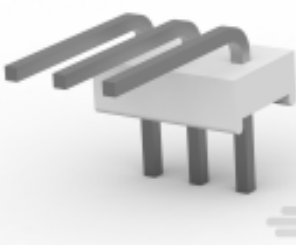
TE Part # CAT-104MTA-PVUNH  
PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment



TE Part # 58579-1  
MTA 100 MANUAL TOOL ASSEMBLY DISCRETE



TE Part # 58246-3  
MTA 100 CRIMP HEAD PRODUCTION RBBN CABLE



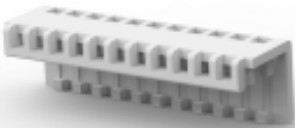
TE Part # CAT-104MTA-PRUSH  
PCB Header: Polyester, Right Angle, Unshrouded



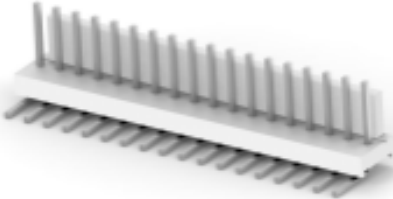
TE Part # 1-640550-8  
18P MTA100 COVER



TE Part # 58246-2  
MTA 100 CRIMP HEAD PRODUCTION DISCRETE



TE Part # CAT-104MTA-NYLCC  
Nylon PCB Connector Covers: 2.54 mm, MTA 100



TE Part # 1-640455-8  
18P MTA100 HDR ASSY SQ R/A POL



TE Part # 58074-1  
MTA 50/100/156 MANUAL TOOL FRAME



TE Part # 1-640454-8  
18P MTA100 HDR ASSY SQ STR POL

Also in the Series | MTA 100



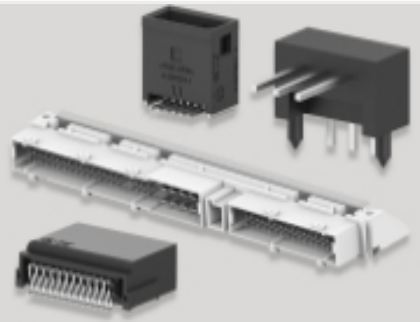
Connector Caps & Covers(69)



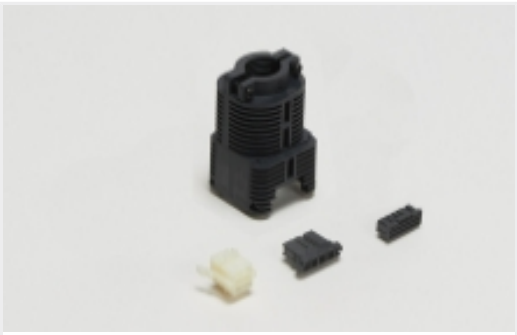
Connector Contacts(8)



Connector Hardware(1)



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 #D369-P33-NP1  
369 3 WAY PLUG, CRIMP, PIN



TE Part #4-643813-2  
12P MTA100 CONN ASSY POL RIB



TE Part #3-643819-2  
02P MTA156 CONN ASSY 22AWG RED



TE Part #964202-1  
STD TIMER CONTACT



TE Part #1423673-1  
W51-A121B1-5=CKTBKR,THERM, ROCK



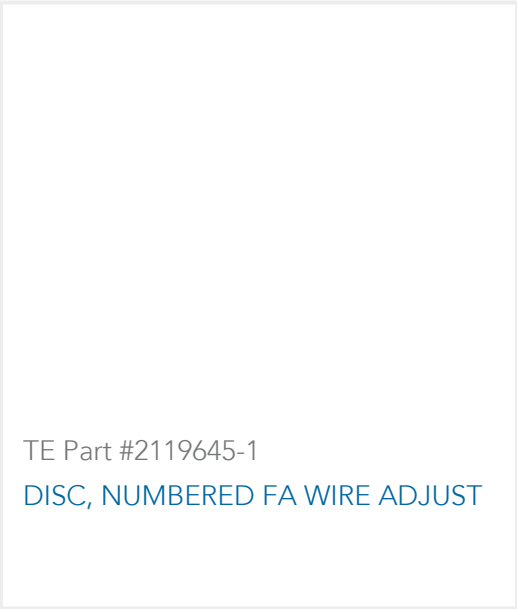
TE Part #2151851-1  
OCEAN-2.0-APPLICATOR-S-042F059F-RSM



TE Part #7-2836187-7  
OCEAN\_2.0\_SPARE\_PART\_KIT-055F070F



TE Part #1424909-8  
CRIMPER, INSULATION "F" .055



TE Part #2119645-1  
DISC, NUMBERED FA WIRE ADJUST

Documents

Product Drawings

18P MTA100 CONN ASSY POL RIB

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_4-643813-8\_K.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_4-643813-8\_K.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_4-643813-8\_K.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