



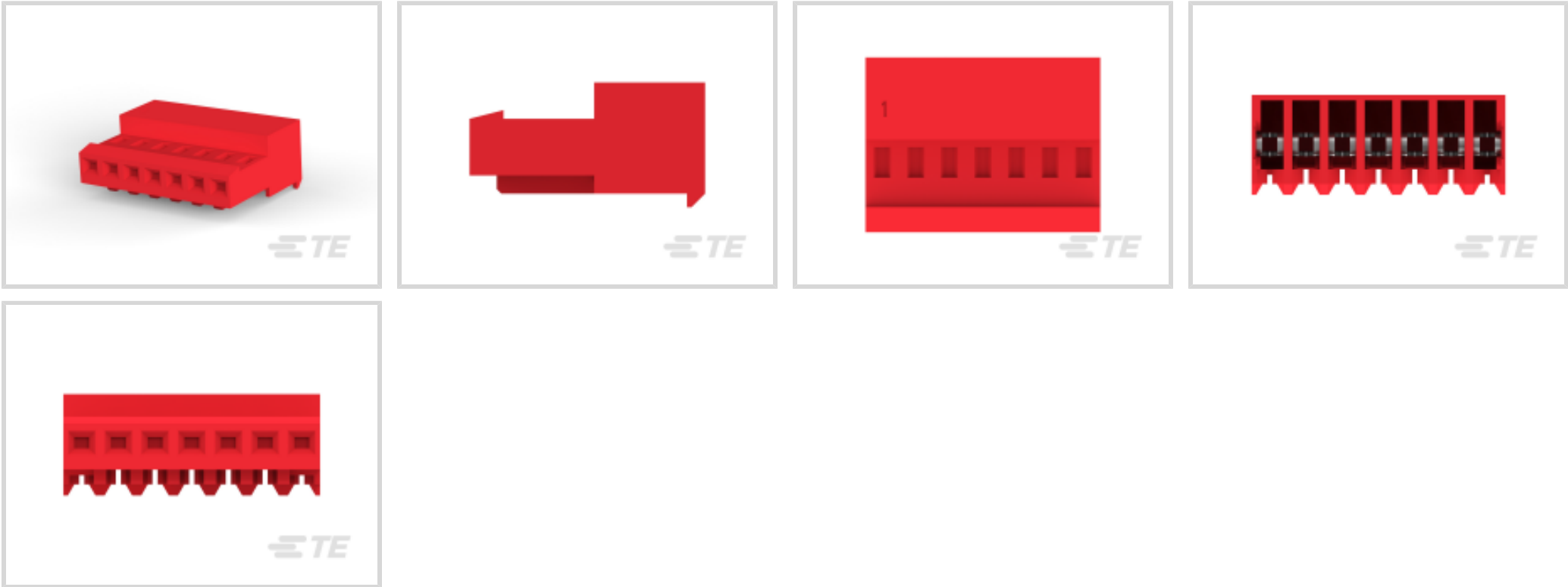
MTA 100

TE Internal #: 3-641237-7

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, no Mating Alignment



Connector Product Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

Mating Alignment: **Without**

Mating Retention: **With**

Mating Retention Type: **Locking Ramp**

[All Nylon Gold Plated Receptacle: 2.54 mm, no Mating Alignment \(89\)](#)

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  | 7   |
| Contacts Preloaded  | Yes |
| Number of Positions | 7   |
| Number of Rows      | 1   |



Electrical Characteristics

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

Body Features

|                       |       |
|-----------------------|-------|
| Primary Product Color | White |
|-----------------------|-------|

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                      | Without                    |
| 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

|                  |                  |
|------------------|------------------|
| Connector Width  | 6.99 mm[.275 in] |
| Connector Height | 13.21 mm[.52 in] |
| Wire Size        | 22 AWG           |
| Connector Length | 17.78 mm[.7 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                               | 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 # 58246-3  
MTA 100 CRIMP HEAD PRODUCTION RBBN CABLE

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

TE Part # 3-641216-7  
07P MTA100 HDR ASSY FL/RA LF

TE Part # CAT-104MTA-PLSCC  
Polyester PCB Connector Covers: 2.54 mm, MTA 100

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

TE Part # 3-641213-7  
07P MTA100 HDR ASSY PO/ST LF

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

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

TE Part # 3-641214-7  
07P MTA100 HDR ASSY PO/RA LF

Also in the Series | MTA 100

Connector Caps & Covers(69)

Connector Contacts(8)

Connector Hardware(1)

Insertion & Extraction Tools(2)

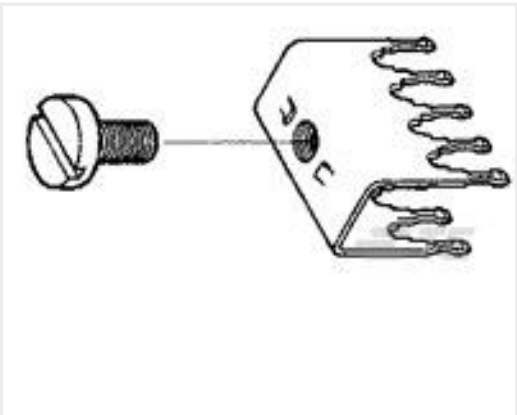
PCB Headers & Receptacles(441)

Rectangular Connector Housings(1)

Rectangular Power Connectors(1)

Wire-to-Board Headers & Receptacles (441)

Customers Also Bought



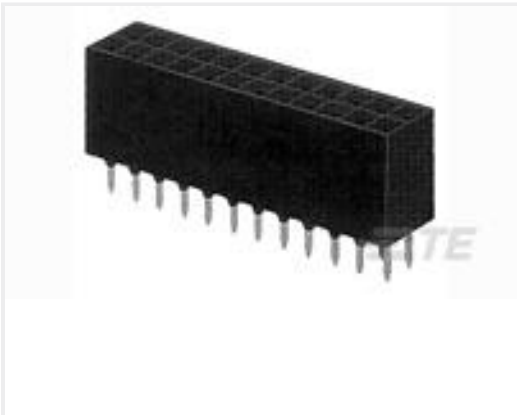
TE Part #1-55323-0  
10 POWER TAP ASSY .125



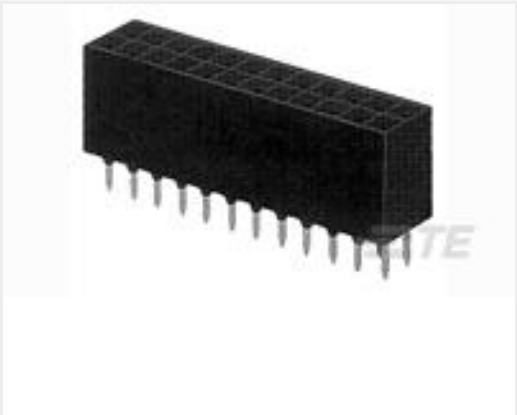
TE Part #1-103168-3  
30 MODII HDR DRST SHRD .100CL



TE Part #3-641119-5  
05P MTA156 HDR ASSY FL/ST LF



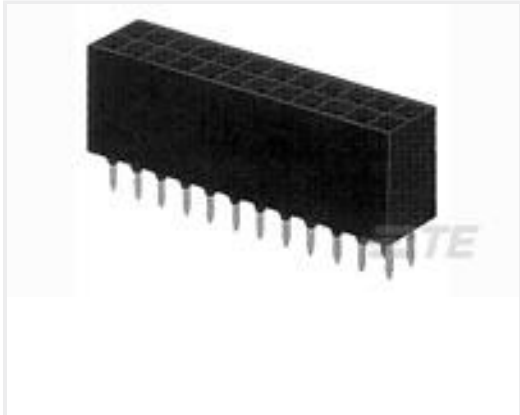
TE Part #6-534236-5  
30 MODII VRT DR CE 100/120



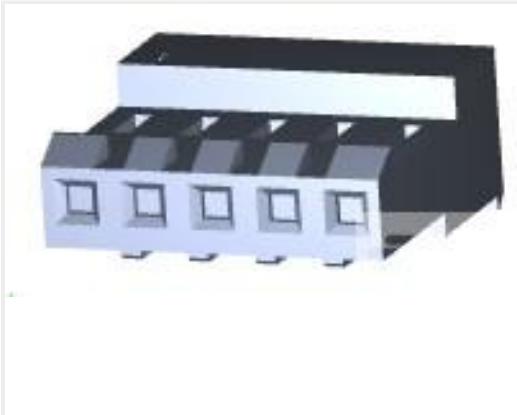
TE Part #1-534236-5  
30 MODII VRT DR CE 100/120



TE Part #3-641217-8  
08P MTA156 CONN ASSY 18AWG ORA



TE Part #3-534236-0  
60 MODII VRT DR CE 100/120



TE Part #3-641150-5  
05P MTA156 ASSY 22AWG RED LF



TE Part #4-644042-0  
10P MTA100 CONN ASSYLF



TE Part #1544256-1  
CONTACT A SOUDER

Documents

Product Drawings

07P MTA100 CONN ASSY RED 30AU

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_3-641237-7\_Y.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-641237-7\_Y.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-641237-7\_Y.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