



MTA 100

TE Internal #: 3-641238-3

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

[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

Body Features

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

Packaging Features

| | |
|--------------------|---------|
| Packaging Quantity | 500 |
| Packaging Method | Package |

Dimensions

| | |
|------------------|------------------|
| Connector Width | 6.99 mm[.275 in] |
| Connector Height | 13.21 mm[.52 in] |
| Wire Size | 24 AWG |
| Connector Length | 7.62 mm[.3 in] |

Housing Features

| | |
|--------------------|----------------|
| Housing Material | Nylon 6/6 |
| Centerline (Pitch) | 2.54 mm[.1 in] |

Configuration Features



| | |
|---------------------|-----|
| Number of Cavities | 3 |
| Contacts Preloaded | Yes |
| Number of Positions | 3 |
| Number of Rows | 1 |

Industry Standards

| | |
|---------------------------------------------|------------|
| Compatible With Agency/Standards Products | UL, CSA |
| UL Rating | Recognized |
| Compatible With Approved Standards Products | UL E28476 |
| CSA Rating | LR 7189 |
| UL Flammability Rating | UL 94V-2 |

Contact Features

| | |
|------------------------------------------------|----------------------------------------|
| Contact Underplating Material | Nickel |
| Wire Contact Termination Area Plating Material | Tin |
| Contact Type | Receptacle |
| Contact Mating Area Plating Material | Gold Flash over Palladium Nickel, Gold |
| Contact Retention Within Housing | With |
| Contact Current Rating (Max) | 5 A |

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) |

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 |

Termination Features



Termination Method to Wire & Cable

Insulation Displacement (IDC)

Electrical Characteristics

Operating Voltage

250 VAC

Usage Conditions

Operating Temperature Range

-55 – 105 °C[-67 – 221 °F]

Operation/Application

Shielded

No

Circuit Application

Signal

Other

EU RoHS Compliance

Compliant

EU ELV Compliance

Compliant

Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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: JUNE 2024 (241)
Candidate List Declared Against: JUNE 2024 (241)
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



TE Part # 3-647117-3
03P MTA100 HDR HT FL 30AU LF



TE Part # 2-644487-3
03P MTA100 SHRD HDR ASSY 30AU



TE Part # 3-647168-3
03P MTA100 HDR ASSY SM 30AU LF



TE Part # 3-641213-3
03P MTA100 HDR ASSY PO/ST LF



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



TE Part # CAT-104MTA-PVBRH
Polyester Vertical PCB Header: 2.54 mm, Breakaway, MTA 100



TE Part # 2-644489-3
03P MTA100 SHRD HDR R/A 30AU L



TE Part # 3-641216-3
03P MTA100 HDR ASSY FL/RA LF



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



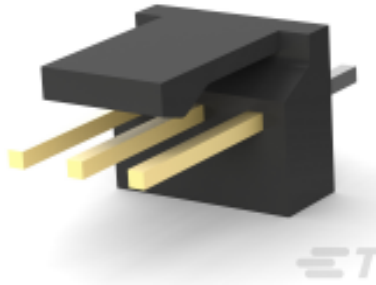
TE Part # CAT-104MTA-PVUNH
PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment



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



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



TE Part # 3-647116-3
03P MTA100 HDR HT FL 30AU LF




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




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

Also in the Series | MTA 100




Connector Caps & Covers(69)



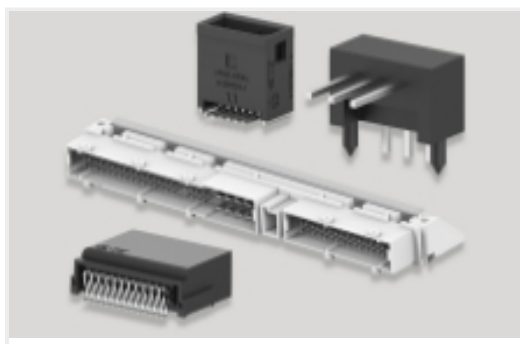
Connector Contacts(8)



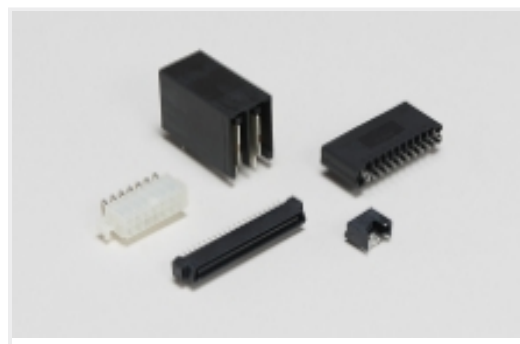
Connector Hardware(1)



Insertion & Extraction Tools(2)



PCB Headers & Receptacles(441)



Standard Rectangular Connectors(495)



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



Wire-to-Board Headers & Receptacles (441)

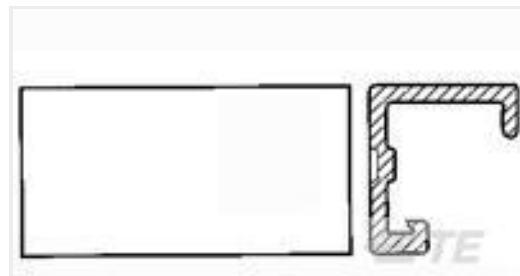
Customers Also Bought



TE Part #2-1445050-6
MICRO MNL HDR ASSY S/ROW LF



TE Part #2-2176389-7
RQ 1206 200R 0.1% 10PPM 5K RL



TE Part #640550-3
03P MTA100 COVER



TE Part #DBA6171C4-BSMAM
DIPOLE, SMAM, SWIVEL, 617-7125MHz,
OUTDOOR



TE Part #YDIV46E11-35SNC009
PLUG ASSY



TE Part #2195889-2
External Ant, SMA, 600-6000MHz



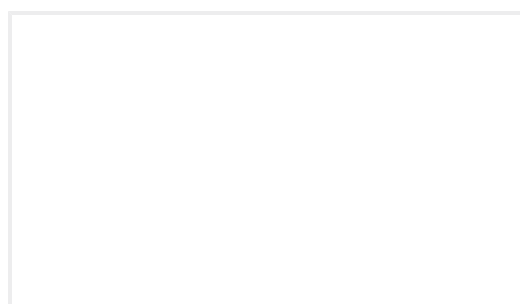
TE Part #2-1445053-2
MICRO MNL HDR ASSY S/ROW LF



TE Part #2-1445050-8
MICRO MNL HDR ASSY S/ROW LF



TE Part #5052894108
RNF-100-1/16-BK-SP



TE Part #312192-1
FEED PAWL

Documents

Product Drawings

[03P MTA100 CONN ASSY NATL 30AU](#)

English

CAD Files

[3D PDF](#)

3D

[Customer View Model](#)

[ENG_CVM_CVM_3-641238-3_W.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_CVM_3-641238-3_W.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-641238-3_W.3d_stp.zip](#)

English

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Product Specifications

[Product Specification](#)

English

Agency Approvals

[UL](#)

English