



MTA 100

TE Internal #: 641239-3

Connector Assembly, Receptacle, Mating Retention, 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

Product Type Features

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
Compatible With Discrete Wire Type	Stranded

Mechanical Attachment

Mating Alignment	Without
Mating Retention	With
Mating Retention Type	Locking Ramp
Connector Mounting Type	Cable Mount (Free-Hanging)
Contact Retention Type Within Housing	Locking Lance



Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
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Operation/Application

Shielded	No
Circuit Application	Signal

Contact Features

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

Industry Standards

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

Configuration Features

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

Housing Features

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

Electrical Characteristics

Operating Voltage	250 VAC
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Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Dimensions

Product Width	6.99 mm[.275 in]
Product Length	7.62 mm[.3 in]
Connector Height	13.21 mm[.52 in]
Wire Size	26 AWG

Packaging Features

Packaging Quantity	500
Packaging Method	Bag/Box

Product Compliance

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

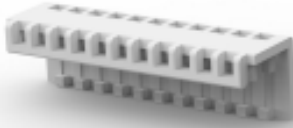
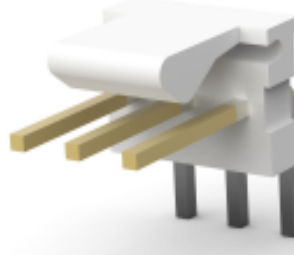
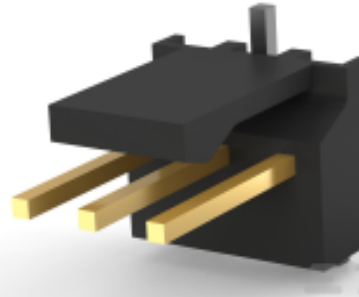
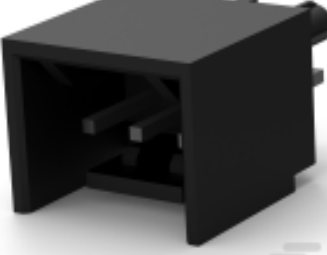
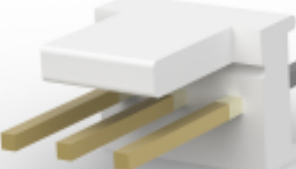
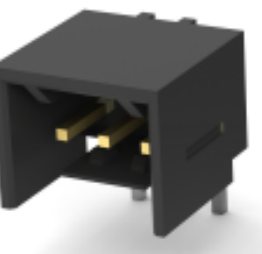
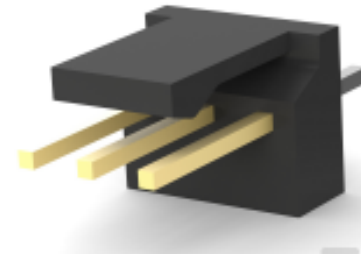
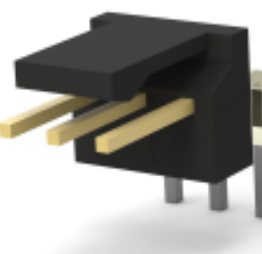
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does 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>

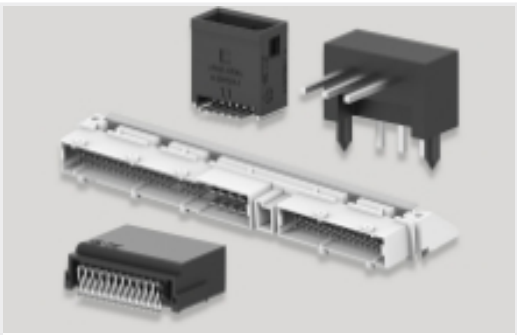


Compatible Parts

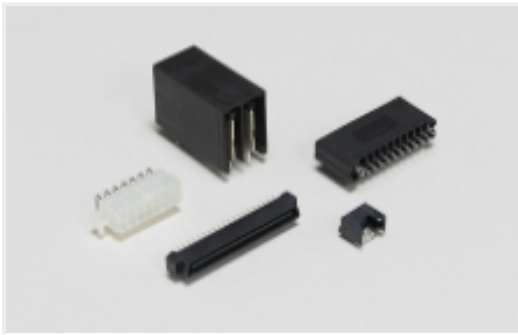
 TE Part # CAT-104MTA-NYLCC Nylon PCB Connector Covers: 2.54 mm, MTA 100	 TE Part # CAT-104MTA-PVUNH PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment	 TE Part # CAT-104MTA-PLSCC Polyester PCB Connector Covers: 2.54 mm, MTA 100	 TE Part # 3-641216-3 03P MTA100 HDR ASSY FL/RA LF
 TE Part # 3-647168-3 03P MTA100 HDR ASSY SM 30AU LF	 TE Part # 2-644487-3 03P MTA100 SHRD HDR ASSY 30AU	 TE Part # 3-641213-3 03P MTA100 HDR ASSY PO/ST LF	 TE Part # 58074-1 MTA 50/100/156 MANUAL TOOL FRAME
 TE Part # 58579-1 MTA 100 MANUAL TOOL ASSEMBLY DISCRETE	 TE Part # 2-644489-3 03P MTA100 SHRD HDR R/A 30AU L	 TE Part # 3-647116-3 03P MTA100 HDR HT FL 30AU LF	 TE Part # 3-647117-3 03P MTA100 HDR HT FL 30AU LF
 TE Part # CAT-104MTA-PVBRH Polyester Vertical PCB Header: 2.54 mm, Breakaway, MTA 100	 TE Part # 58246-3 MTA 100 CRIMP HEAD PRODUCTION RBBN CABLE	 TE Part # 58246-2 MTA 100 CRIMP HEAD PRODUCTION DISCRETE	

Also in the Series | MTA 100

 Connector Caps & Covers(69)	 Connector Contacts(8)	 Connector Hardware(1)	 Insertion & Extraction Tools(2)
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PCB Headers & Receptacles(441)



Standard Rectangular Connectors(495)



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

Customers Also Bought



TE Part #T4112001081-000
M12,FEMALE,RA,A CODE,8P,PG7, GOLD



TE Part #36160
TERMINAL,PIDG R 16-14 10



TE Part #3-641237-3
Nylon Gold Plated Receptacle: 2.54 mm, no Mating Alignment



TE Part #T4130012081-000
M12,REAR MOUNT,MALE, A,8P, SOLDER WIRE



TE Part #60620-1
CMNL PIN 20-14 TPBR L/P



TE Part #1-1393249-2
W58-XB1A4A-20=W58



TE Part #GA10K3CG582
CHPG-10K +/- 1% B 3976 +/- 2% BT3Lo-D



TE Part #1-2600021-5
XRC SOCKET 16-18 AWG Gold Plated BT3Lo-D

Documents

Product Drawings

03P MTA100 CONN ASSY BLU 30AU

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_641239-3_AC_c-641239-3-ac.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_641239-3_AC_c-641239-3-ac.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_641239-3_AC_c-641239-3-ac.3d_stp.zip

English

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Product Specifications

[Product Specification](#)

English

Agency Approvals

[Agency Approval Document](#)

English