



MTA 100

TE Internal #: 644042-3

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

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



Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

Primary Product Color	Red
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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)
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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

Connector Width	13.21 mm[.52 in]
Connector Height	6.99 mm[.275 in]
Wire Size	22 AWG
Connector Length	7.62 mm[.3 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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Operation/Application

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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) Candidate List Declared Against: JAN 2025 (247) 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 # 3-647116-3
03P MTA100 HDR HT FL 30AU LF

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

TE Part # 58579-1
MTA 100 MANUAL TOOL ASSEMBLY 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 # 58246-2
MTA 100 CRIMP HEAD PRODUCTION DISCRETE

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

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

Also in the Series | MTA 100

Connector Caps & Covers(69)

Connector Contacts(8)

Connector Hardware(1)

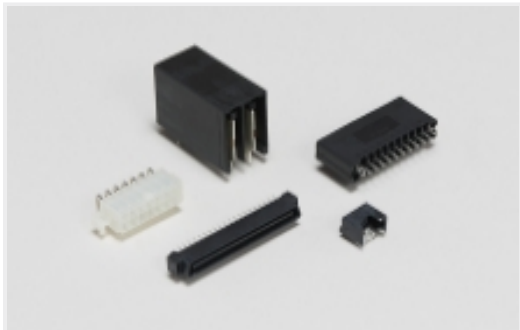
PCB Headers & Receptacles(441)



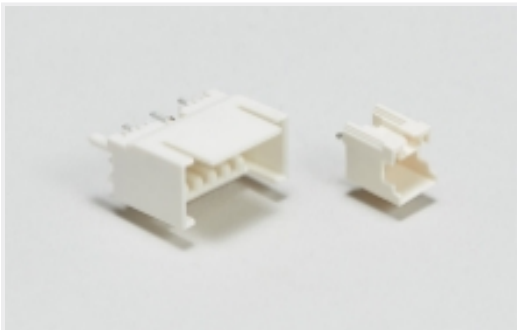
Rectangular Connector Housings(1)



Rectangular Power Connectors(1)



Standard Rectangular Connectors(496)



Wire-to-Board Headers & Receptacles (441)

Customers Also Bought

TE Part #T4151410005-005
RPC-M12-FR-5CON-PVC-5.0

TE Part #1-350777-1
02P UMNL V0 PLUG HSG BROWN

TE Part #1-350778-1
02P UMNL V0 CAP HSG BROWN

TE Part #2-111196-2
60 RCPT SYSTEM 50, LEAD FREE

TE Part #643075-3
03P MTA100 MOLDED COVER

TE Part #EG8290-000
S1260-TAPE-3/4INX25FT-CL

TE Part #6-1879352-2
RR02 5% 110R AMMO

TE Part #5745116-2
50 RCPT RA/MS STD

TE Part #5-1879352-4
RR02 5% 51R AMMO

TE Part #343Z-05108
Speed sen FTG 1088.00 Ex KTV-B

Documents

Product Drawings

03P MTA100 CONN ASSY 30AU

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_644042-3_J_c-644042-3-j.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_644042-3_J_c-644042-3-j.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_644042-3_J_c-644042-3-j.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

[Product Specification](#)

English