



MTA 100

TE Internal #: 3-644020-7
7 Position, Receptacle, Connector Assembly, Insulation
Displacement (IDC), Wire-to-Board, Gold (Au) / Gold Flash over
Palladium Nickel, MTA 100

[View on TE.com >](#)

Connectors > Rectangular Connectors > Standard Rectangular Connectors >
Nylon Gold 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 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	7
Contacts Preloaded	Yes
Number of Positions	7
Number of Rows	1



Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

Primary Product Color	White
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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 Type	Locking Ramp
Mating Retention	With
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	24 AWG
Connector Length	17.78 mm[.7 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: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

Product Compliance Disclaimer

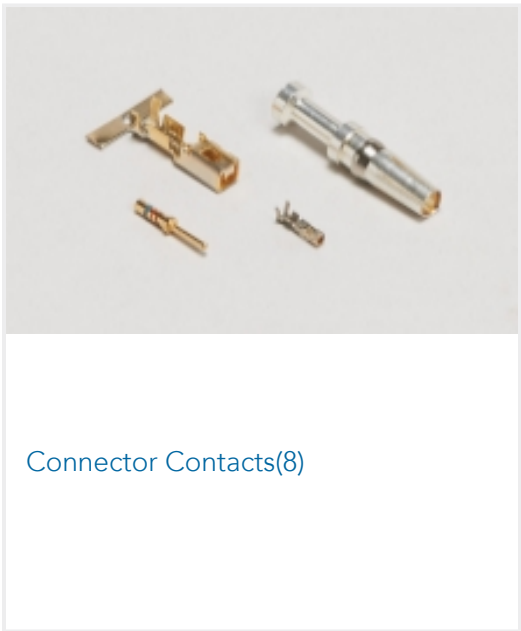
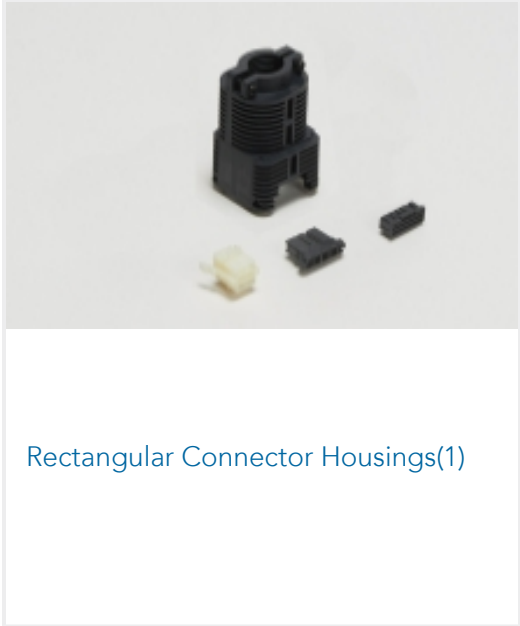
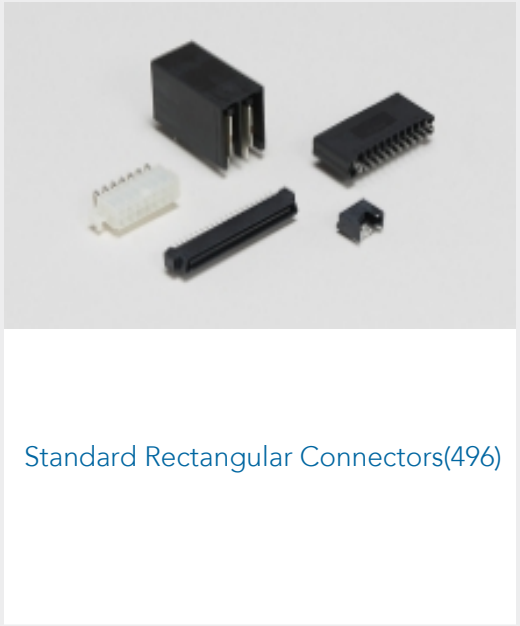
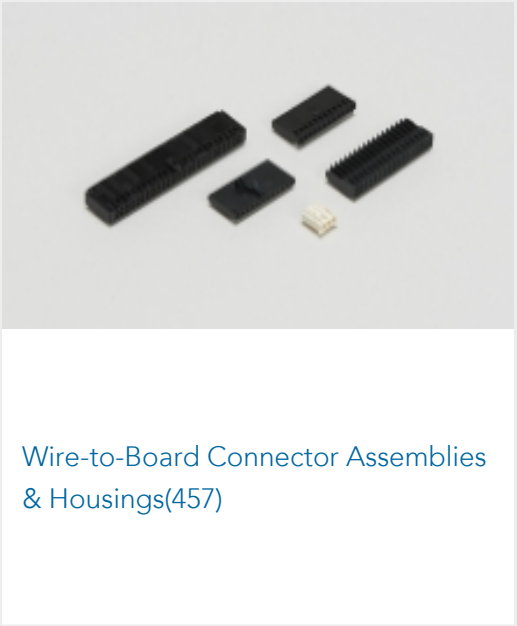
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 3-641213-7 07P MTA100 HDR ASSY PO/ST LF	 TE Part # 58579-1 MTA 100 MANUAL TOOL ASSEMBLY DISCRETE	 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 # 3-641214-7 07P MTA100 HDR ASSY PO/RA 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 # 3-641216-7 07P MTA100 HDR ASSY FL/RA LF
 TE Part # 58246-2 MTA 100 CRIMP HEAD PRODUCTION DISCRETE	 TE Part # CAT-104MTA-PLSCC Polyester 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 Connector Assemblies & Housings(457)



Customers Also Bought

TE Part #YDBC54H-1419PNV001
HERM RECP

TE Part #55678-1
TERM,PG RING 12-10 1/4

TE Part #5-534237-5
07 MODII VRT SR CE 100/115

TE Part #CAT-104MTA-NGPMR
Nylon Gold Plated Receptacle: 2.54 mm, with Mating Alignment, MTA 100

TE Part #7-1393302-7
V23134B0052G242-EV-CBOX

TE Part #2317404-1
AV19 SPM 3A FIXED RING R&G 12V

TE Part #583718-1
TW-LEAF CRP HSG 10 POS 100 C/L

TE Part #5-583853-5
TWIN LF CONT IS 20-24 AU

TE Part #1-2842142-0
20P,2MM,BRK HDR,DRV,T,SMD,0.1AU, TR W/CAP

Documents

Product Drawings

07P MTA100 CONN ASSY 30AU

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-644020-7_M.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-644020-7_M.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-644020-7_M.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