



MTA 100

TE Internal #: 3-644020-2
2 Position, Receptacle, Connector Assembly, Insulation
Displacement (IDC), Wire-to-Board, Gold (Au) / Gold Flash over
Palladium Nickel, MTA 100

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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**
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	2
Contacts Preloaded	Yes
Number of Positions	2
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	5.08 mm[.2 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

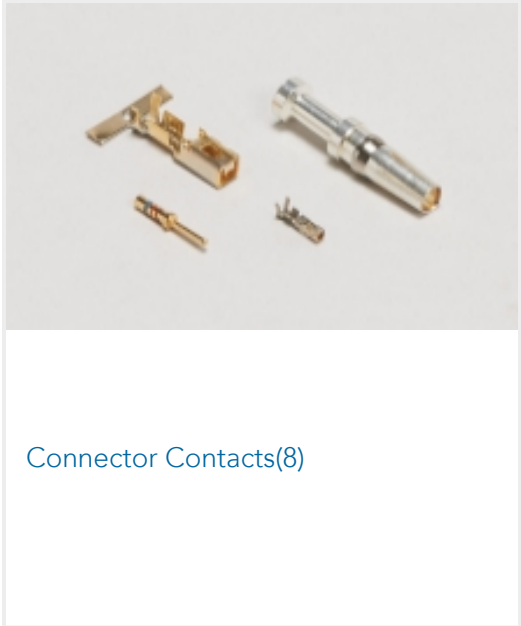
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 2-644489-2 02P MTA100 SHRD HDR R/A 30AU L	 TE Part # 3-641216-2 02P MTA100 HDR ASSY FL/RA LF	 TE Part # 644884-2 02P MTA100 HDR ASSY,NARROW AU	 TE Part # 640550-2 02P MTA100 COVER
 TE Part # 58246-2 MTA 100 CRIMP HEAD PRODUCTION DISCRETE	 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 # CAT-104MTA-NVTHH Nylong Vertical PCB Header: 2.54mm, Through Hole, MTA 100
 TE Part # 58246-3 MTA 100 CRIMP HEAD PRODUCTION RBBN CABLE	 TE Part # 3-641214-2 02P 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 # 2-644487-2 02P MTA100 SHRD HDR ASSY 30AU	 TE Part # 3-647117-2 02P MTA100 HDR HT FL 30AU LF	 TE Part # 3-641213-2 02P MTA100 HDR ASSY PO/ST LF	 TE Part # 3-647168-2 02P MTA100 HDR ASSY SM 30AU LF

Also in the Series | MTA 100

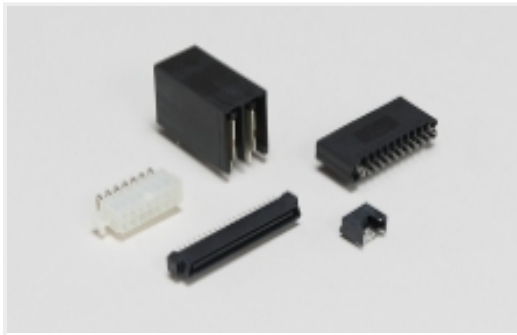
 Connector Caps & Covers(69)	 Connector Contacts(8)	 Connector Hardware(1)	 PCB Headers & Receptacles(441)
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[Rectangular Connector Housings\(1\)](#)



[Rectangular Power Connectors\(1\)](#)

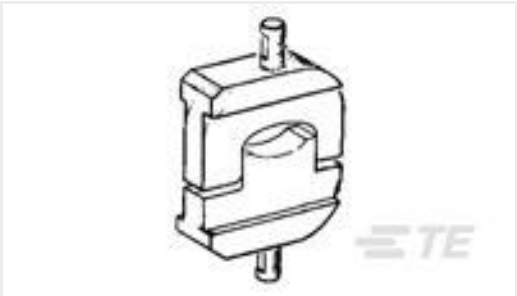


[Standard Rectangular Connectors\(496\)](#)

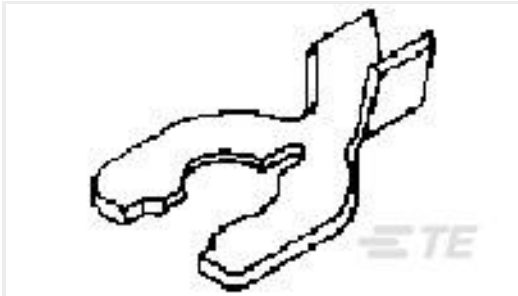


[Wire-to-Board Connector Assemblies & Housings\(457\)](#)

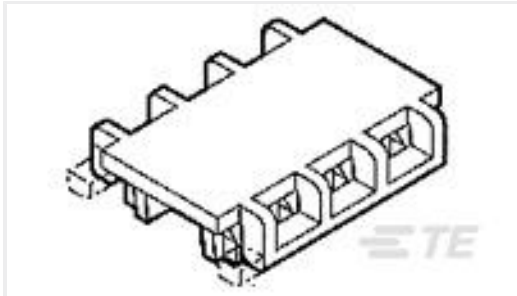
Customers Also Bought



[TE Part #69217
HYP8/10 SOLIS 6AWG DIE SET](#)



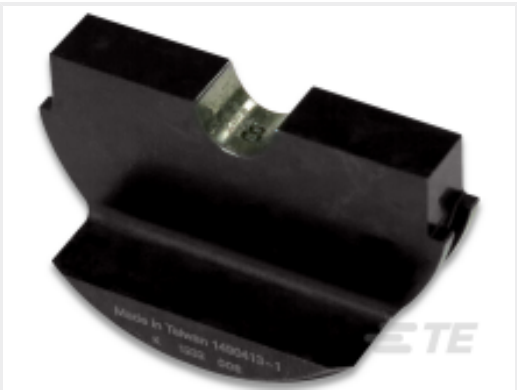
[TE Part #485073-1
SPADE TERMINAL 20-16 AWG TPBR](#)



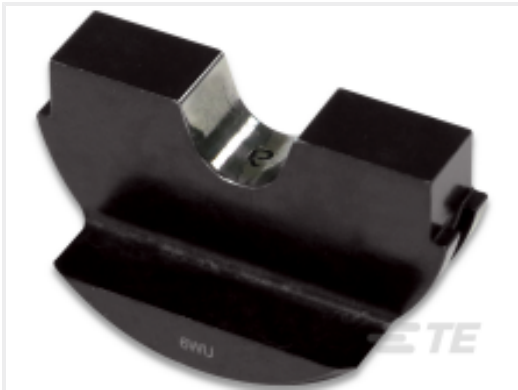
[TE Part #1-643071-4
14P MTA156 FD-THRU COVER](#)



[TE Part #4-644663-0
10P MTA156 CONN ASSY 20AWG LF](#)



[TE Part #1490413-1
HYP10 SOLIS 8AWG NEST](#)



[TE Part #1490413-2
HYP10 SOLIS HD 8AWG NEST](#)



[TE Part #1490413-3
HYP10 SOLIS 4AWG NEST](#)



[TE Part #1490414-1
HYP10 SOLIS 8AWG INDENTER](#)



[TE Part #1490414-3
HYP10 SOLIS HD 1/0AWG INDENTER](#)



[TE Part #1583662-2
HYP10 10FT HOSE](#)

Documents

Product Drawings

[02P MTA100 CONN ASSY 30AU](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_3-644020-2_M.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_CVM_3-644020-2_M.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-644020-2_M.3d_stp.zip](#)

English

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Product Specifications

Application Specification

English

Agency Approvals

[UL](#)

English

[UL](#)

English