

3-640440-7 ✓ ACTIVE

MTA 100

TE Internal #: 3-640440-7

7 Position, Receptacle, Connector Assembly, Insulation

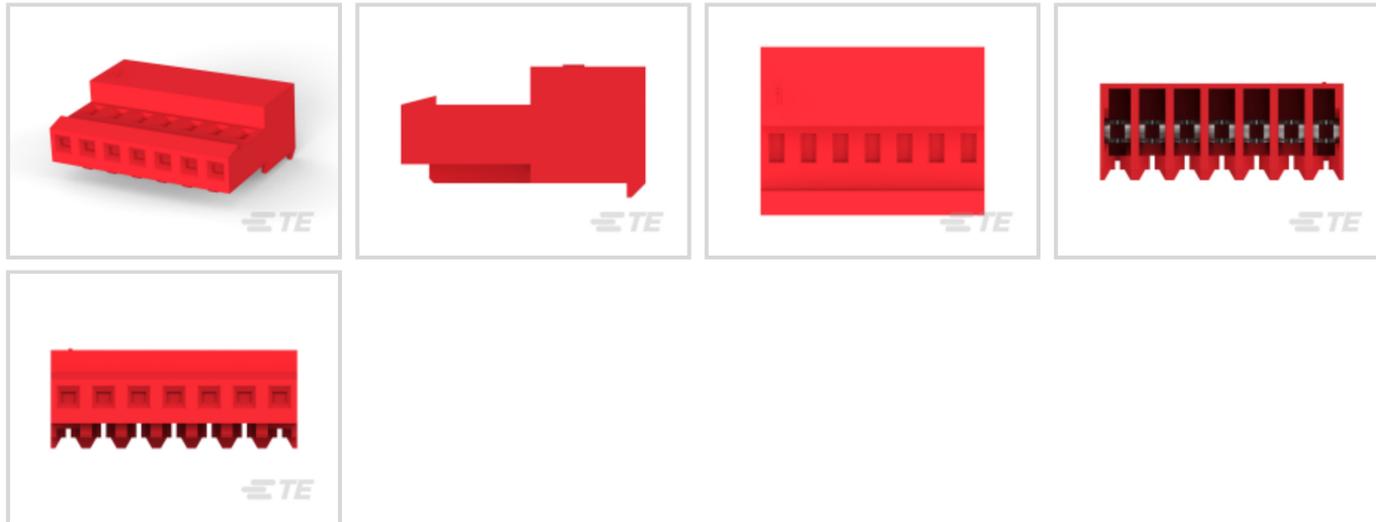
Displacement (IDC), Wire-to-Board, Tin (Sn), Normal, UL 94V-2,

MTA 100

[View on TE.com >](#)



Connectors > Rectangular Connectors > Standard Rectangular Connectors > MTA Receptacle: Nylon, Tin Plated, 2.54 mm



Connector Product Type: **Connector Assembly**

Mating Alignment: **Without**

Connector & Housing Type: **Receptacle**

Mating Retention Type: **Locking Ramp**

Connector System: **Wire-to-Board**

[All MTA Receptacle: Nylon, Tin Plated, 2.54 mm \(167\)](#)

## 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	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	Tin (Sn)
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	Without
Mating Retention Type	Locking Ramp
Mating Retention	With
Connector Mounting Type	Cable Mount (Free-Hanging)

### Housing Features

Housing Material	Nylon
Centerline (Pitch)	2.54 mm[.1 in]

### Dimensions

Connector Width	6.99 mm[.275 in]
Connector Height	13.21 mm[.52 in]
Wire Size	22 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

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	Box & Carton

### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

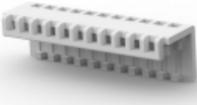
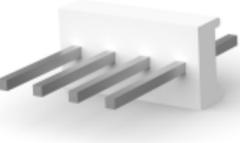
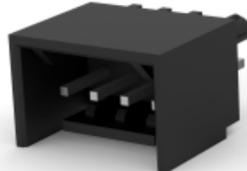
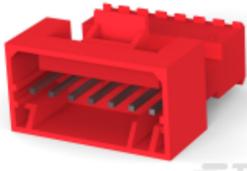
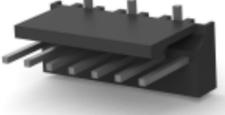
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Not applicable for solder process capability

#### Product Compliance Disclaimer

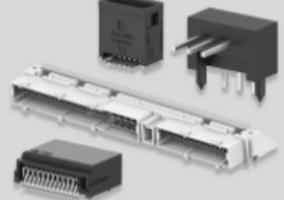
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



 <p>TE Part # 2-644488-7 07P MTA100 SHRD HDR F/L R/A SN</p>	 <p>TE Part # CAT-104MTA-PRUSH PCB Header: Polyester, Right Angle, Unshrouded</p>	 <p>TE Part # 3-644456-7 07P MTA100 HDR ASSY (NARROW)</p>	 <p>TE Part # 58246-2 MTA 100 CRIMP HEAD PRODUCTION DISCRETE</p>
 <p>TE Part # CAT-104MTA-PLSCC Polyester PCB Connector Covers: 2.54 mm, MTA 100</p>	 <p>TE Part # 58074-1 MTA 50/100/156 MANUAL TOOL FRAME</p>	 <p>TE Part # CAT-104MTA-NYLCC Nylon PCB Connector Covers: 2.54 mm, MTA 100</p>	 <p>TE Part # CAT-104MTA-PRUMH PCB Header: Polyester, Right Angle, 2.54 mm</p>
 <p>TE Part # 58246-3 MTA 100 CRIMP HEAD PRODUCTION RBBN CABLE</p>	 <p>TE Part # CAT-104MTA-PVUNH PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment</p>	 <p>TE Part # 58579-1 MTA 100 MANUAL TOOL ASSEMBLY DISCRETE</p>	 <p>TE Part # CAT-104MTA-PVSHH Polyester Vertical PCB Header: 2.54 mm, Shrouded, MTA 100</p>
 <p>TE Part # 640454-7 07P MTA100 HDR ASSY SQ STR POL</p>	 <p>TE Part # 3-647000-7 07P MTA100 PSTD CONN ASSY LF</p>	 <p>TE Part # 3-647166-7 7P MTA100 HDR ASSY,SM,FL,LF</p>	 <p>TE Part # 58246-1 MTA 100 CRIMP HEAD REPAIR DISCRETE</p>

Also in the Series | **MTA 100**

 <p>Connector Caps &amp; Covers(69)</p>	 <p>Connector Contacts(8)</p>	 <p>Connector Hardware(1)</p>	 <p>PCB Headers &amp; Receptacles(441)</p>
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Rectangular Connector Housings(1)



Rectangular Power Connectors(1)



Standard Rectangular Connectors(496)

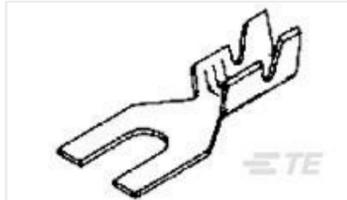


Wire-to-Board Connector Assemblies & Housings(457)

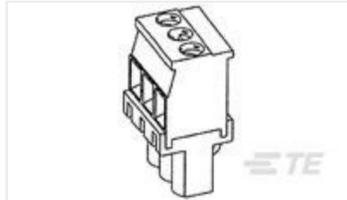
## Customers Also Bought



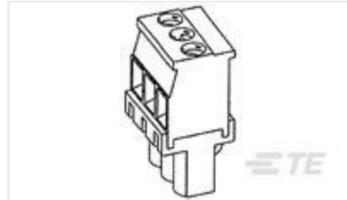
TE Part #42801-1  
187 FASTON REC 20-16 AWG BR



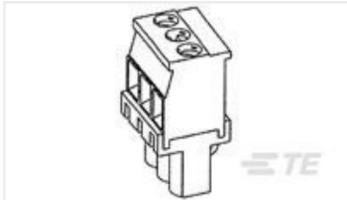
TE Part #60774-1  
SPADE TERMINAL 18-14 AWG BR



TE Part #284041-2  
TERMINAL BLOCK VERTICAL PLUG S



TE Part #284041-3  
TERMINAL BLOCK VERTICAL PLUG S



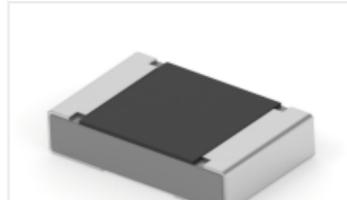
TE Part #284041-4  
TERMINAL BLOCK VERTICAL PLUG S



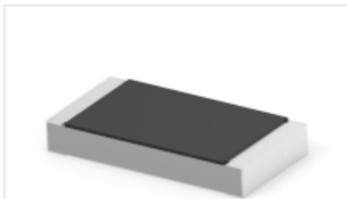
TE Part #350981-2  
RING 18-14 AWG PTPBR



TE Part #CAT-104MTA-NTPNR  
MTA Receptacle: Nylon, Tin Plated,  
2.54 mm



TE Part #2-2176483-6  
RA73F 2A 1K0 0.1% 5K RL



TE Part #1-2176606-0  
RLC73PD 3A R75 1% 2K RL

## Documents

### Product Drawings

[07P MTA100 CONN ASSY 22AWG RED](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_3-640440-7\\_L.2d\\_dxf.zip](#)

English

[3D PDF](#)



3D

Customer View Model

[ENG\\_CVM\\_CVM\\_3-640440-7\\_L.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-640440-7\\_L.3d\\_stp.zip](#)

English

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**Product Specifications**

[Application Specification](#)

English

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**Agency Approvals**

[UL](#)

English