



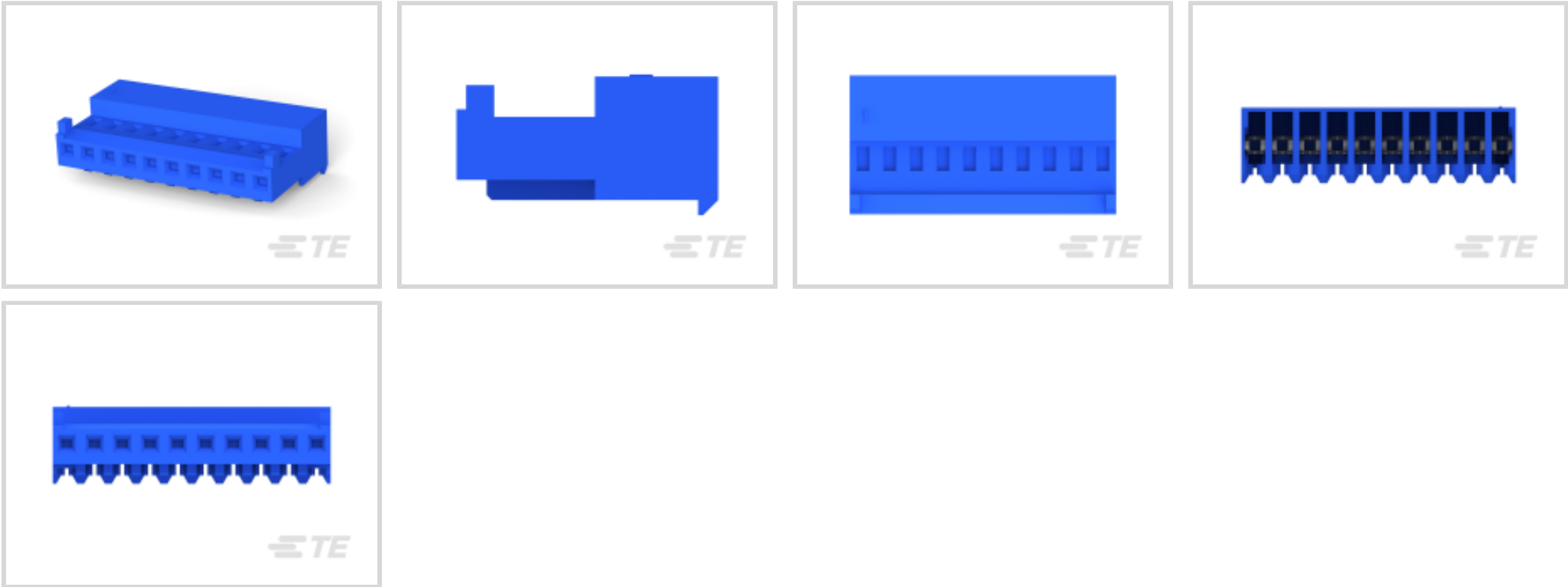
MTA 100

TE Internal #: 4-643815-0

Standard Rectangular Connectors, Connector Assembly,
Receptacle, Mating Alignment, Polarization Mating Alignment
Type, Mating Retention, MTA 100

[View on TE.com >](#)

Connectors > Rectangular Connectors > Standard Rectangular Connectors > Nylon Tin 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 Tin Plated Receptacle: 2.54 mm, with Mating Alignment, MTA 100 \(127\)](#)

Features

Product Type Features

Compatible With Discrete Wire Type	Stranded
Connector Product Type	Connector Assembly
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Cavities	10
Contacts Preloaded	Yes
Number of Positions	10
Number of Rows	1

Electrical Characteristics

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Operating Voltage	250 VAC
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Contact Features

Contact Type	Receptacle
Wire Contact Termination Area Plating Material	Tin
Contact Underplating Material	Nickel
Contact Mating Area Plating Material	Tin
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
Housing Color	Blue
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Connector Height	13.21 mm[.52 in]
Product Width	6.99 mm[.275 in]
Product Length	25.4 mm[1 in]
Wire Size	.12 – .15 mm²

Usage Conditions

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

Shielded	No
Circuit Application	Signal

Industry Standards



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

Packaging Features

Packaging Quantity	500
Packaging Method	Box & Tray

Product Compliance

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

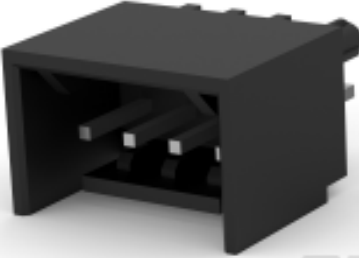
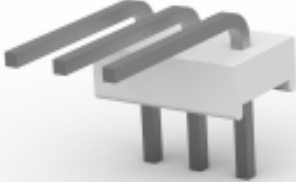
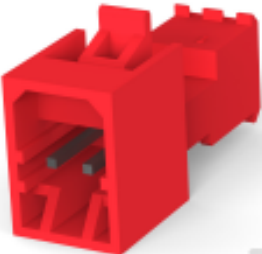
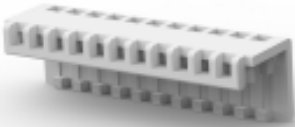
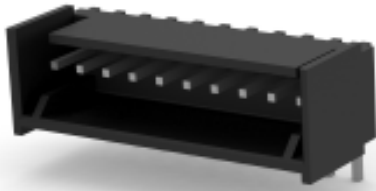
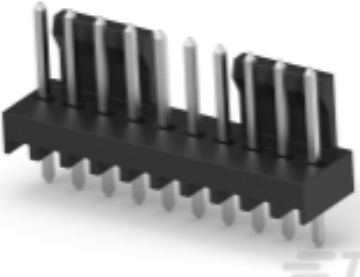
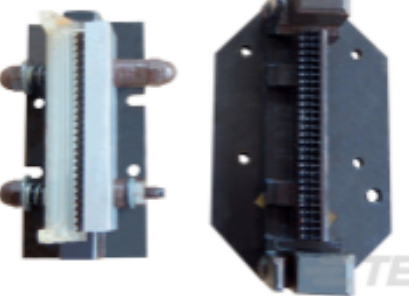
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does 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 # 1-640454-0 10P MTA100 HDR ASSY SQ STR POL	 TE Part # CAT-104MTA-PVSHH Polyester Vertical PCB Header: 2.54 mm, Shrouded, MTA 100	 TE Part # 1-640455-0 10P MTA100 HDR ASSY SQ R/A POL	 TE Part # CAT-104MTA-PRUSH PCB Header: Polyester, Right Angle, Unshrouded
 TE Part # CAT-104MTA-NTPMP MTA Plug: Nylon, Tin Plated, 2.54 mm, with Mating Alignment	 TE Part # CAT-104MTA-PVUNH PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment	 TE Part # CAT-104MTA-NYLCC Nylon PCB Connector Covers: 2.54 mm, MTA 100	 TE Part # CAT-104MTA-PLSCC Polyester PCB Connector Covers: 2.54 mm, MTA 100
 TE Part # 3-644803-0 10P MTA100 SHRD HDR ASSY RA FL	 TE Part # CAT-104MTA-PVBRH Polyester Vertical PCB Header: 2.54 mm, Breakaway, MTA 100	 TE Part # 58074-1 MTA 50/100/156 MANUAL TOOL FRAME	 TE Part # 4-644694-0 10P MTA100 R/A HDR RETENTIVE FRAME
 TE Part # 4-647050-0 10P MTA100 HDR ASSY F/L HITEMP	 TE Part # 4-647166-0 10P MTA100 HDR ASSY,SM,FL,LF	 TE Part # 58246-3 MTA 100 CRIMP HEAD PRODUCTION RBBN CABLE	 TE Part # 58579-1 MTA 100 MANUAL TOOL ASSEMBLY DISCRETE
 TE Part # 643704-2 11P MTA156 HDR W/O#2 AND 4	 TE Part # 58039-1 MTA 100 ARBOR FIXTURE DISCRETE RBN CABLE	 TE Part # 58246-2 MTA 100 CRIMP HEAD PRODUCTION DISCRETE	

Also in the Series | [MTA 100](#)



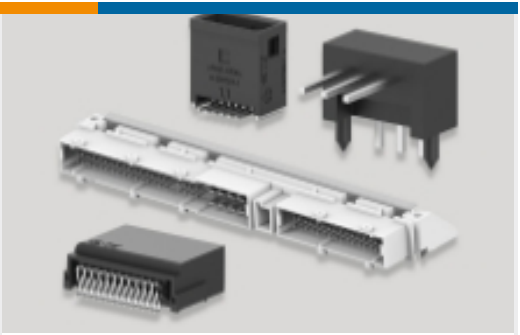
Insertion & Extraction Tools(2)



PCB Connector Covers(69)



PCB Connector Keying(1)



PCB Headers & Receptacles(440)



Standard Rectangular Connectors(495)



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



Wire-to-Board Connector Contacts(8)

Customers Also Bought



TE Part #3-643816-5
Nylon Tin Plated Receptacle: 2.54 mm, with Mating Alignment, MTA 100



TE Part #4-640442-4
14P MTA100 CONN ASSY BLU



TE Part #1-640456-3
13P MTA100 HDR ASSY F/L SQ STR



TE Part #499252-5
010 STRAIN RELIEF A-L RCPT



TE Part #5748270-2
FEMALE SCREWLOCK,ZN PLTD



TE Part #1658622-1
10 NOVO MIL/CTR 30DP,LEAD FREE

Documents

Product Drawings

10P MTA100 CONN ASSY POL RIB

English

CAD Files

Customer View Model

ENG_CVM_CVM_4-643815-0_K.2d_dxf.zip

English

3D PDF



3D

Customer View Model

[ENG_CVM_CVM_4-643815-0_K.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-643815-0_K.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Agency Approvals

[Agency Approval Document](#)

English