



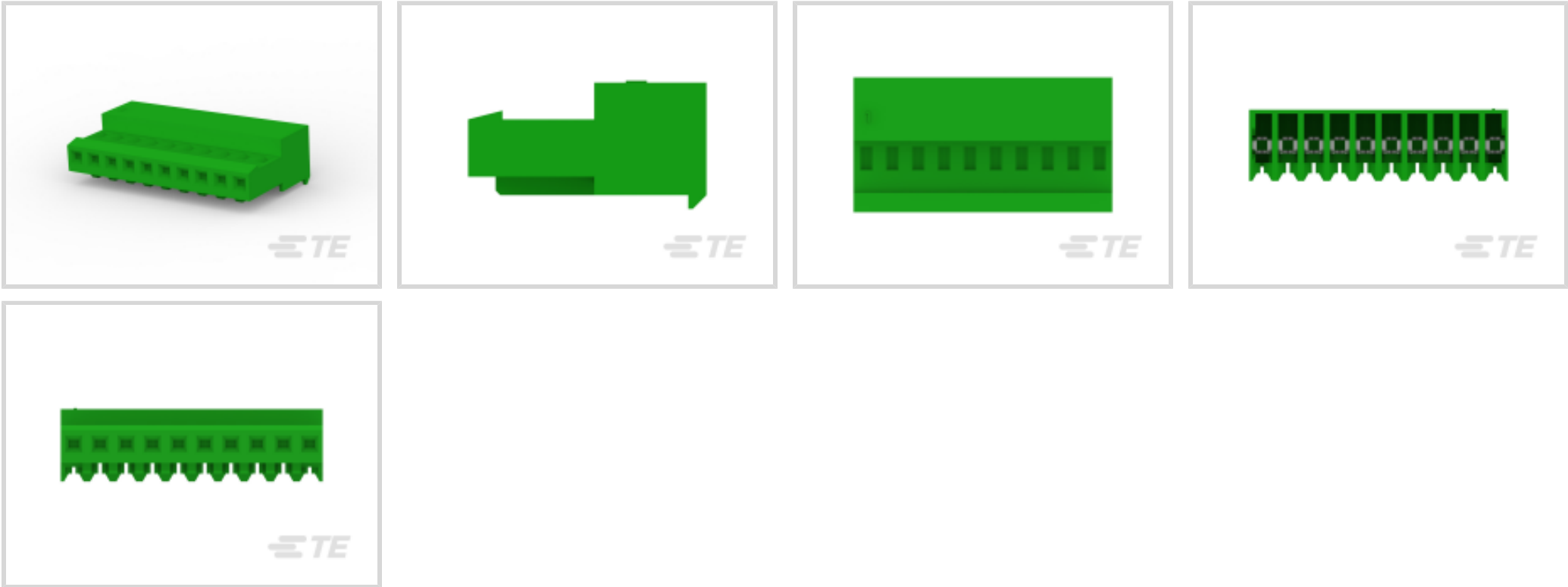
MTA 100

TE Internal #: 4-640443-0

Standard Rectangular Connectors, Connector Assembly,
Receptacle, Mating Retention, Insulation Displacement (IDC), Wire-
to-Board, Tin, Normal, 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**

Connector & Housing Type: **Receptacle**

Mating Alignment: **Without**

Mating Retention: **With**

Mating Retention Type: **Locking Ramp**

[All MTA Receptacle: Nylon, Tin Plated, 2.54 mm \(481\)](#)

Features

Product Type Features

Product Style	Assembly
Shape	Rectangular
Wire/Cable Type	Stranded
Connector Type	Connector Assembly
Housing Type	Receptacle
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	10
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Preloaded	Yes
Number of Positions	10
Number of Rows	1
Panel Gasket	Without

Electrical Characteristics

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

Panel Mount	No
Contact Retention Type Within Housing	Locking Lance
Panel Mount Feature	Without
Mating Alignment	Without
Mating Retention	With
Mating Retention Type	Locking Ramp
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Color	Green
Housing Material	Nylon 6/6
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Width	6.99 mm[.275 in]
Height	13.21 mm[.52 in]
Length	25.4 mm[1 in]
Wire Size	.08 – .09 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
Agency/Standard	CSA, UL
UL Rating	Recognized
CSA File Number	LR7189
UL File Number	UL E28476
UL Flammability Rating	UL 94V-2

Packaging Features

Packaging Quantity	250
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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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

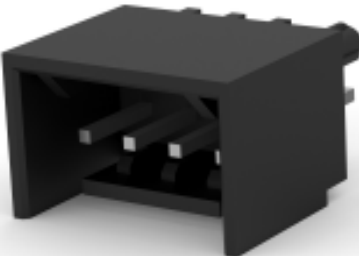
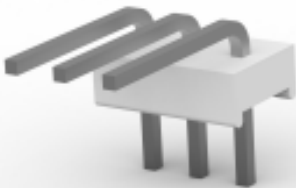
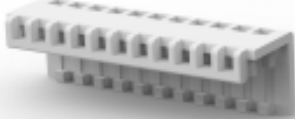
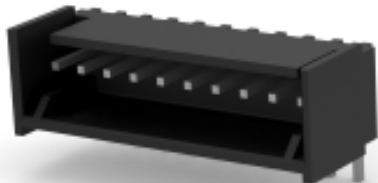
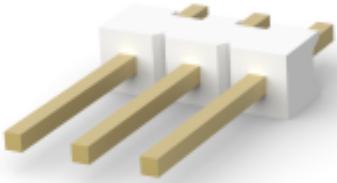
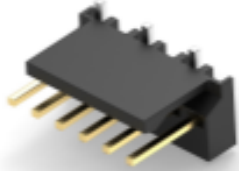
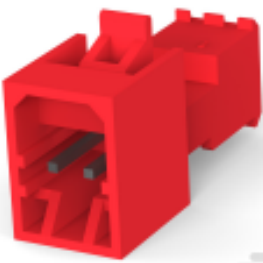
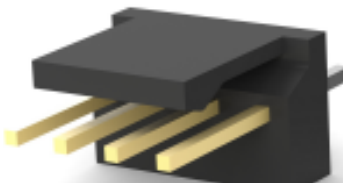
Product Compliance Disclaimer

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 # CAT-104MTA-PRUMH PCB Header: Polyester, Right Angle, 2.54 mm	 TE Part # CAT-104MTA-PRUSH PCB Header: Polyester, Right Angle, Unshrouded
 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 # CAT-104MTA-NVSMH Nylon Vertical PCB Header: 2.54mm, Surface Mount, MTA 100	 TE Part # 58074-1 MTA 50/100/156 MANUAL TOOL FRAME	 TE Part # 58246-1 MTA 100 CRIMP HEAD REPAIR DISCRETE
 TE Part # 58579-1 MTA 100 MANUAL TOOL ASSEMBLY DISCRETE	 TE Part # 4-644694-0 10P MTA100 R/A HDR RETENTIVE	 TE Part # CAT-104MTA-NTPMP MTA Plug: Nylon, Tin Plated, 2.54 mm, with Mating Alignment	 TE Part # CAT-104MTA-NVTHH Nylong Vertical PCB Header: 2.54mm, Through Hole, MTA 100



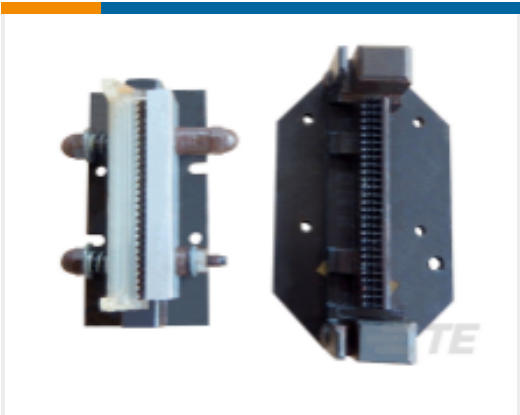
TE Part # 4-647051-0
10P MTA100 HRD ASSYF/L HT LF



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



TE Part # 643704-2
11P MTA156 HDR W/O#2 AND 4

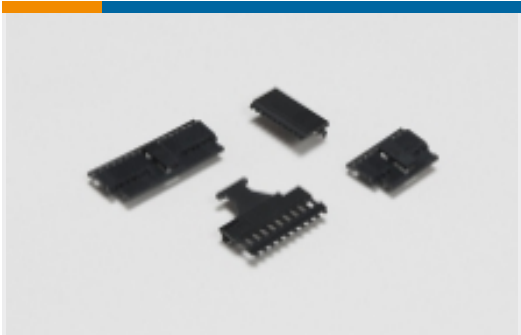


TE Part # 58039-1
MTA 100 ARBOR FIXTURE DISCRETE RBN CABLE

Also in the Series | MTA 100



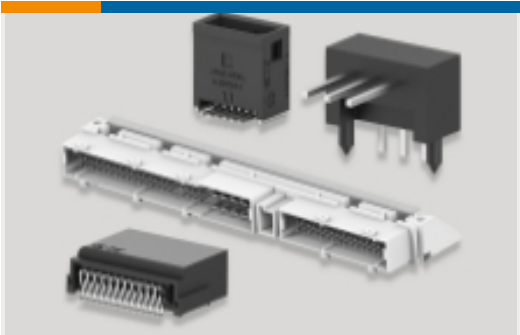
Insertion & Extraction Tools(2)



PCB Connector Covers(107)



PCB Connector Keying(1)



PCB Headers & Receptacles(1181)



Standard Rectangular Connectors (1711)



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



Wire-to-Board Connector Contacts(18)

Customers Also Bought



TE Part #4-640440-3
13P MTA100 CONN ASSY 22AWG RED



TE Part #2227580-1
1X1 R/A ASSY, MINI SAS HD INTERNAL



TE Part #2227669-2
zQSFP+ STACKED RECEPTACLE ASSEMBLY 2X1



TE Part #1-644752-6
16P MTA156 HDR ASSY SQ STR F/L



TE Part #K1160799
Emergency Stop Switch ES-2011-T412-018A



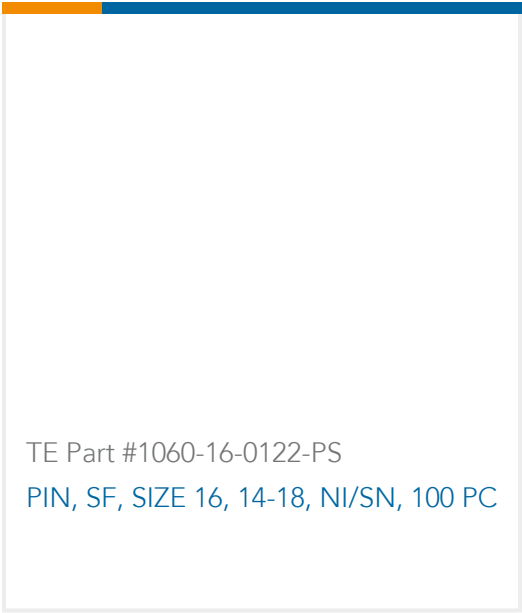
TE Part #826947-5
5P MOD2 STIFT LEI



TE Part #2151430-1
OCEAN_2.0_Applicator-S-039F055F



TE Part #NB19774001
RNF-100-3/32-WH-SP



Documents

Product Drawings

10P MTA100 CONN ASSY GRN

English

CAD Files

Customer View Model

ENG_CVM_CVM_4-640443-0_U.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-640443-0_U.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-640443-0_U.3d_stp.zip

English

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

Datasheets & Catalog Pages

MTA, CST-100 II, SL-156 and AMP Economy Power (EP) Connectors

English

Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English

Agency Approvals

Agency Approval Document

English