



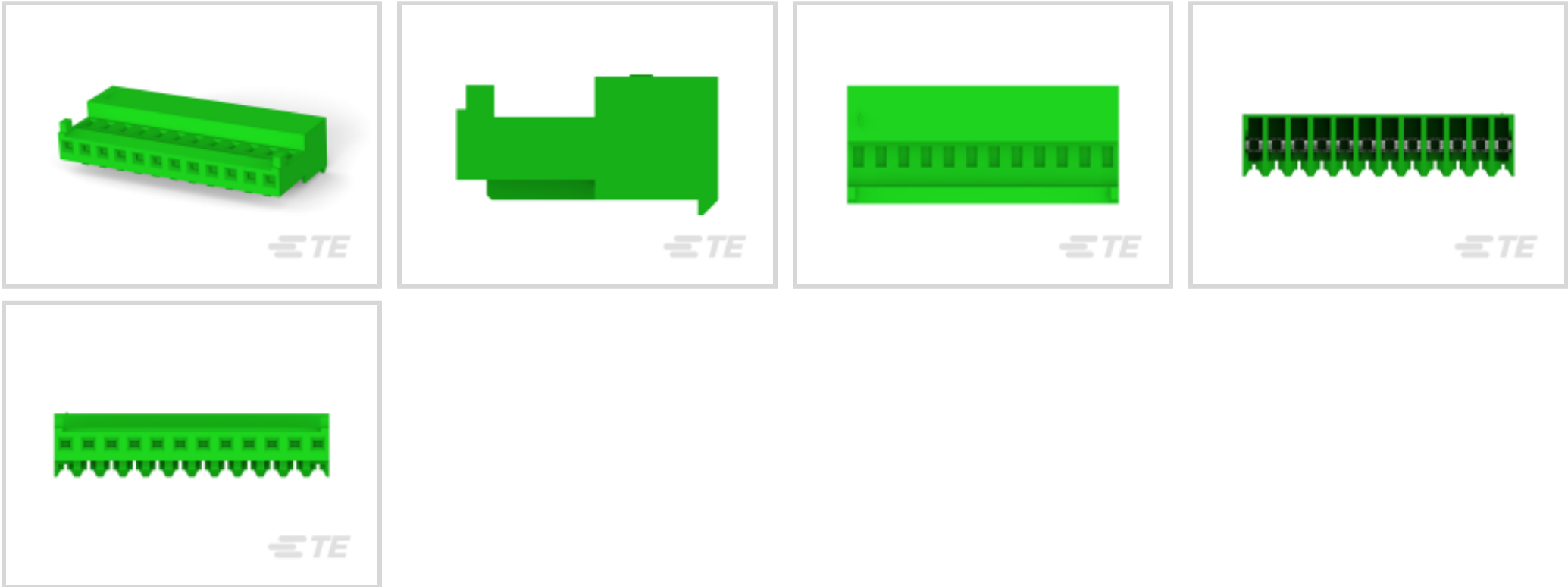
MTA 100

TE Internal #: 4-643816-2

Connector Assembly, Receptacle, Insulation Displacement (IDC),
Wire-to-Board, Tin (Sn), MTA 100, Rectangular Wire & Cable
Connectors & Housings

[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	12
Contacts Preloaded	Yes
Number of Positions	12
Number of Rows	1

Electrical Characteristics

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Operating Voltage	250 VAC
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Body Features

Primary Product Color	Green
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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	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
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Connector Width	6.99 mm[.275 in]
Connector Height	13.21 mm[.52 in]
Wire Size	28 AWG
Connector Length	30.48 mm[1.2 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	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: JAN 2025 (247) Candidate List Declared Against: JUNE 2024 (241) 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



TE Part # 58579-1
MTA 100 MANUAL TOOL ASSEMBLY DISCRETE



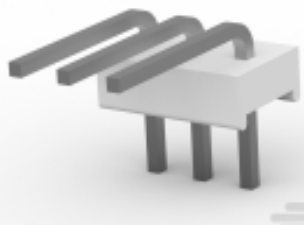
TE Part # CAT-104MTA-PVUNH
PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment



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



TE Part # CAT-104MTA-PLSCC
Polyester PCB Connector Covers: 2.54 mm, MTA 100



TE Part # CAT-104MTA-PRUSH
PCB Header: Polyester, Right Angle, Unshrouded



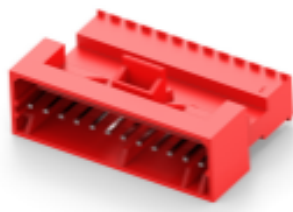
TE Part # 58246-2
MTA 100 CRIMP HEAD PRODUCTION DISCRETE



TE Part # 4-644456-2
12P MTA100 HDR ASSY (NARROW)



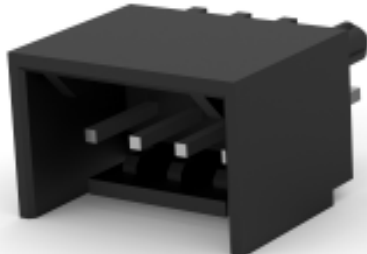
TE Part # 1-640454-2
12P MTA100 HDR ASSY SQ STR POL



TE Part # 4-647000-2
12P MTA100 PSTD CONN ASSY LF



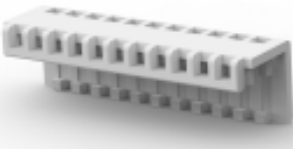
TE Part # CAT-104MTA-NVSMH
PCB Header: Nylon, Vertical, Surface Mount, MTA 100



TE Part # CAT-104MTA-PVSHH
Polyester Vertical PCB Header: 2.54 mm, Shrouded, MTA 100



TE Part # 1-640455-2
12P MTA100 HDR ASSY SQ R/A POL



TE Part # CAT-104MTA-NYLCC
Nylon PCB Connector Covers: 2.54 mm, MTA 100



TE Part # 58074-1
MTA 50/100/156 MANUAL TOOL FRAME

Also in the Series | **MTA 100**



Connector Caps & Covers(69)



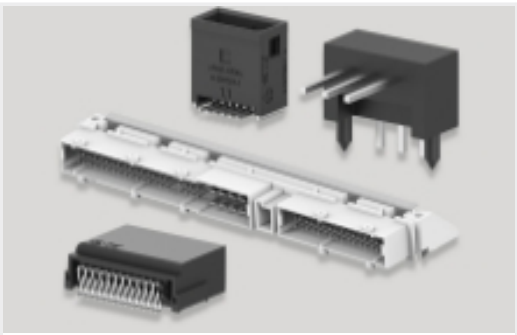
Connector Contacts(8)



Connector Hardware(1)



Insertion & Extraction Tools(2)



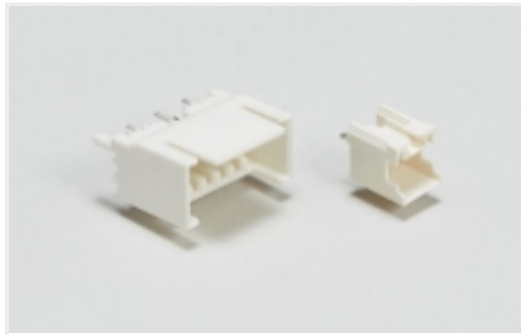
PCB Headers & Receptacles(441)



Rectangular Connector Housings(1)



Rectangular Power Connectors(1)



Wire-to-Board Headers & Receptacles (441)

Customers Also Bought



TE Part #2-66740-0
TYPE XII FEMALE CONT (STRIP)



TE Part #35451
PG R 22-16 COMM 22-18 MIL 10



TE Part #4-2176370-7
RQ 0603 1K3 0.1% 10PPM 5K RL



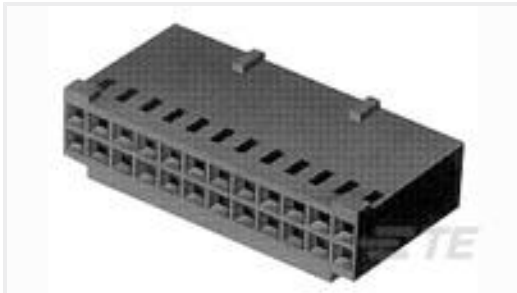
TE Part #5-2176373-8
RQ 0805 39R2 0.1% 10PPM 1K RL



TE Part #350687-2
UMNL SPLIT PIN AU BR



TE Part #1-794218-0
MINI UMNL2 PIN 26-22AWG AU LF



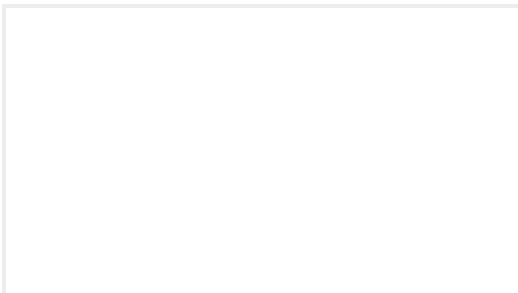
TE Part #4-87977-8
50 MODIV HSG COMP DR .100 POL



TE Part #745254-3
20 DF PIN PLTD



TE Part #794200-1
12P MINI UMNL2 PLUG HSG MATRIX



TE Part #GA10K4MBD1006
MBD2-10K OHMS +/-0.05°C @ 37°C

Documents

Product Drawings

12P MTA100 CONN ASSY POL RIB

English

CAD Files

Customer View Model

ENG_CVM_CVM_4-643816-2_P.2d_dxf.zip

English

3D PDF



3D

Customer View Model

[ENG_CVM_CVM_4-643816-2_P.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-643816-2_P.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Agency Approvals

[Agency Approval Document](#)

English