



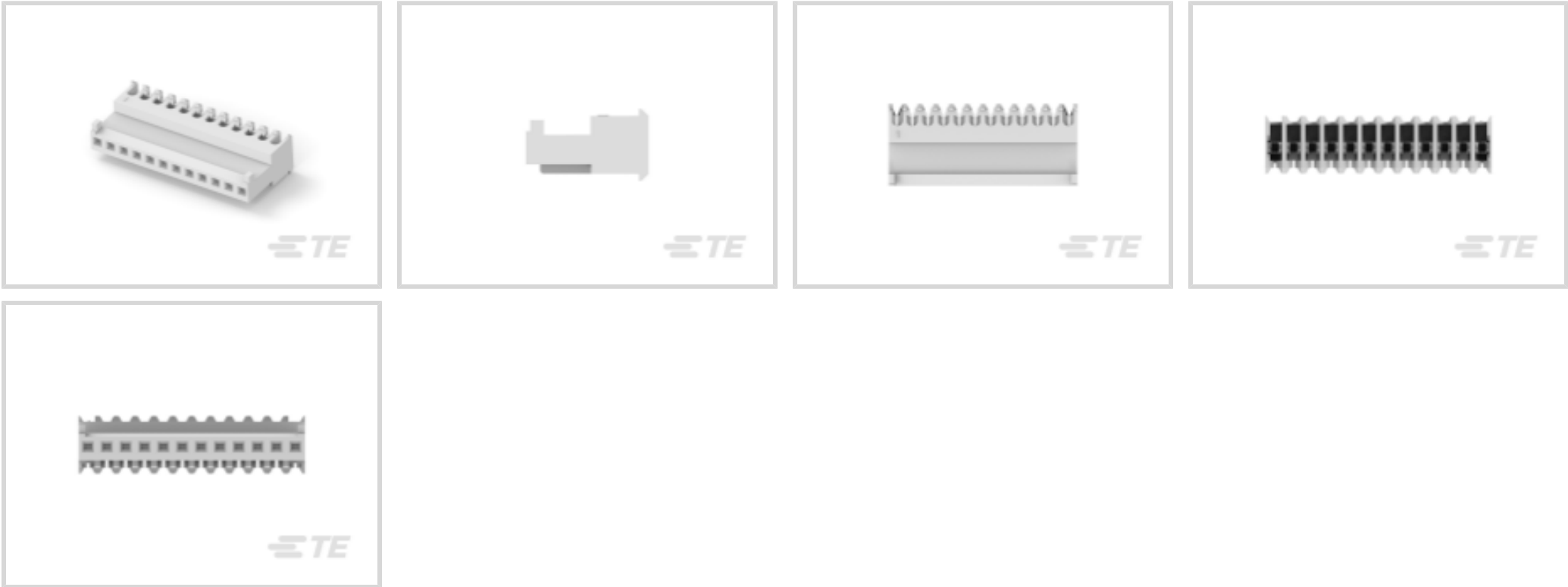
MTA 100

TE Internal #: 4-644563-2

12 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 > Nylon Tin 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 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
Insertion Force Type	Normal
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

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	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 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	7.75 mm[.305 in]
Connector Height	13.21 mm[.52 in]
Wire Size	24 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
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Circuit Application	Signal
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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	有害物质含量符合标准要求 No Restricted Substance(s) 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>

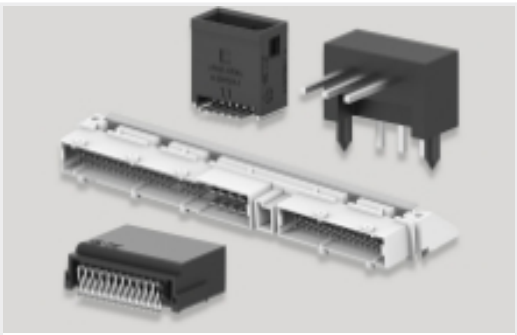


Compatible Parts

TE Part # CAT-104MTA-PVUNH PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment	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
TE Part # CAT-104MTA-PVSHH Polyester Vertical PCB Header: 2.54 mm, Shrouded, MTA 100	TE Part # 1-640454-2 12P MTA100 HDR ASSY SQ STR POL	TE Part # CAT-104MTA-NVSMH PCB Header: Nylon, Vertical, Surface Mount, MTA 100	TE Part # 4-647000-2 12P MTA100 PSTD CONN ASSY LF
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 # 4-644456-2 12P MTA100 HDR ASSY (NARROW)	TE Part # 59803-1 MAINTENANCE TOOL
TE Part # 58442-1 MTA 100 CRIMP HEAD PRODUCTION FEED THRU			

Also in the Series | MTA 100

Connector Caps & Covers(69)	Connector Contacts(8)	Connector Hardware(1)	Insertion & Extraction Tools(2)
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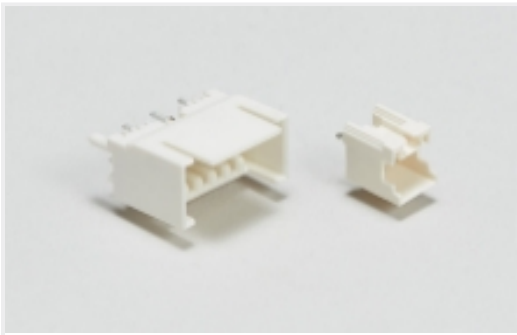
PCB Headers & Receptacles(441)



Rectangular Power Connectors(1)



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



Wire-to-Board Headers & Receptacles (441)

Customers Also Bought



TE Part #294919-E
SRCP 1,27 10 M 1 SMD 137 E1 094 *
GU-H *



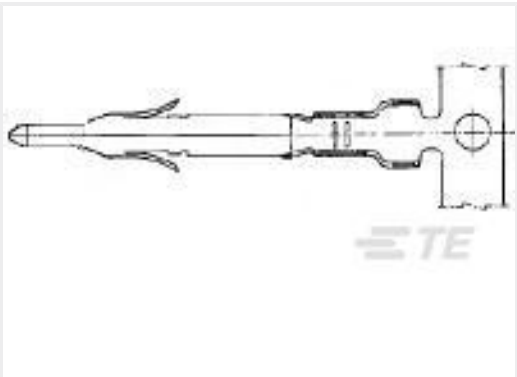
TE Part #T4041017041-000
M8.FMLE.PNLREAR.4POS.STR PCB



TE Part #GA10K3MBD1
MBD PROBE, 10K @25C, 0.2 FROM 0
TO 70



TE Part #HD30-24BT-BK
BOOT, 24SZ, ST, BLK



TE Part #170363-3
MINI UNIVERSAL M-N-L PIN LP



TE Part #350689-7
UMNL SOK 24-18 AUBR L/P



TE Part #749805-9
KIT,HDP-20,PLUG,SIZE 3, 25 POS



TE Part #1776295-3
TSB23003DSHT=EUROPA TM BLK,
8MM



TE Part #2-2329388-5
PB OFF/ON FC BLU M1 TERM BLU
LED IP68 50



TE Part #1-2834021-4
4POS 2.5MM TES CONN.

Documents

Product Drawings

12P MTA100 CONN ASSY F/T 24AWG

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-644563-2_H.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_4-644563-2_H.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-644563-2_H.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_4-644563-2_G.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_4-644563-2_G.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_4-644563-2_G.2d_dxf.zip](#)

English

3D PDF

English

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Product Specifications

Application Specification

English

Agency Approvals

UL

English