3-644313-3 ✔ ACTIVE

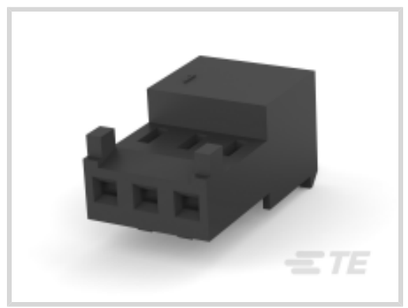
MTA 100

TE Internal #: 3-644313-3

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
Insertion Force Type	Normal
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Cavities	3
Contacts Preloaded	Yes
Number of Positions	3
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC

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)

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	Black
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Compatible Insulation Diameter (Max)	1.52 mm[.06 in]
Connector Height	13.21 mm[.52 in]
Product Width	6.99 mm[.275 in]
Product Length	7.62 mm[.3 in]
Wire Size	.12 - .15 mm^2

Usage Conditions

Operating Temperature Range	-55 - 105 °C[-67 - 221 °F]

Operation/Application

Shielded	No

Circuit Application	Signal

Industry Standards

CSA Rating	LR 7189
UL Rating	Recognized
Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	500
Packaging Method	Package

Product Compliance

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

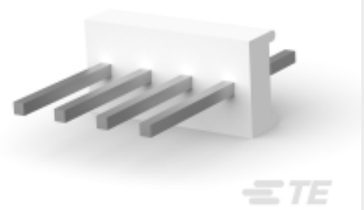
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not 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

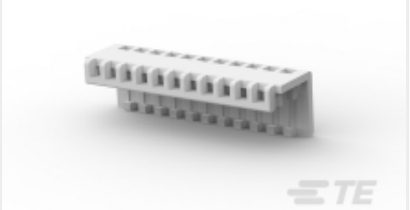
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

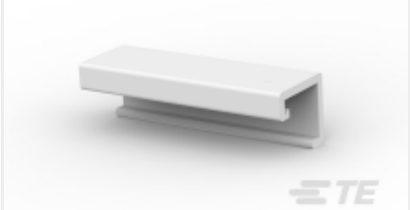
TE Part # CAT-104MTA-PRSMH
PCB Header, Right Angle, Polyester, 2.54 mm



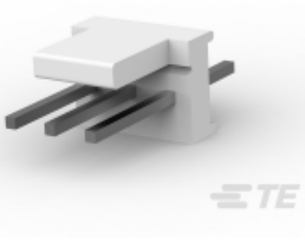
TE Part # CAT-104MTA-PVUNH
PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment



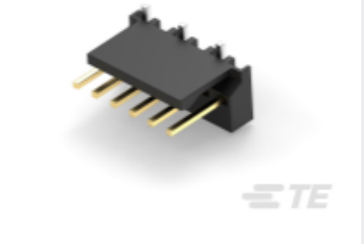
TE Part # CAT-104MTA-NYLCC
Nylon PCB Connector Covers: 2.54 mm, MTA 100



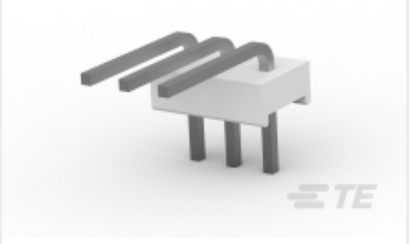
TE Part # CAT-104MTA-PLSCC
Polyester PCB Connector Covers: 2.54 mm, MTA 100



TE Part # 640454-3
03P MTA100 HDR ASSY SQ STR POL

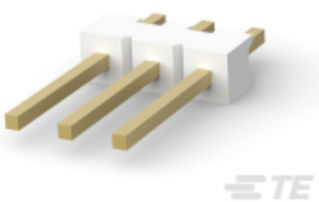


TE Part # CAT-104MTA-NVSMH
PCB Header: Nylon, Vertical, Surface Mount, MTA 100

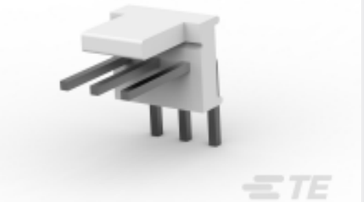


TE Part # CAT-104MTA-PRUSH
PCB Header: Polyester, Right Angle, Unshrouded

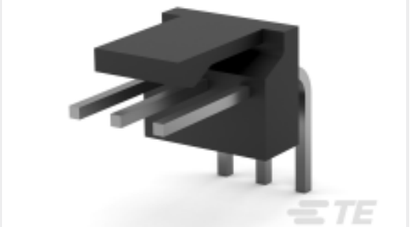
TE Part # CAT-104MTA-PVSHH
Polyester Vertical PCB Header: 2.54 mm, Shrouded, MTA 100



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



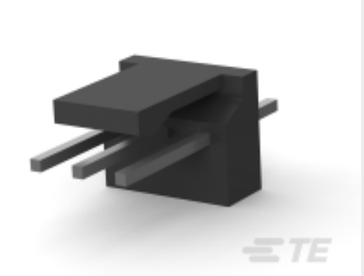
TE Part # CAT-104MTA-PRUMH
PCB Header: Polyester, Right Angle, 2.54 mm



TE Part # 3-647051-3
03P MTA100 HRD ASSYF/L HT LF

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

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



TE Part # 3-647050-3
03P MTA100 HDR ASSY F/L HITEMP

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

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

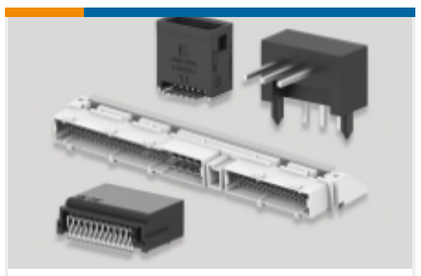
Also in the Series | MTA 100

Connector Caps & Covers(69)

Connector Contacts(8)

Connector Hardware(1)

Insertion & Extraction Tools(2)

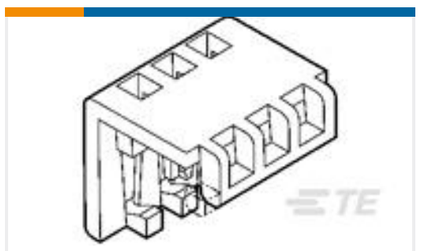


PCB Headers & Receptacles(440)

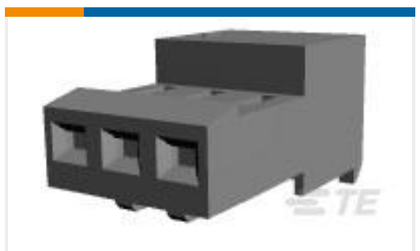
Standard Rectangular Connectors(495)

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

Customers Also Bought

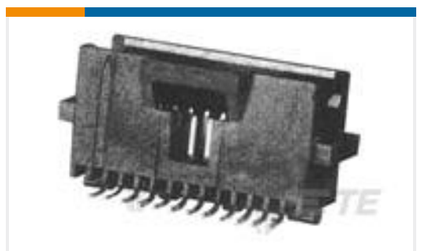


TE Part # 643075-3
03P MTA100 MOLDED COVER



TE Part # 3-640441-3
03P MTA100 CONN ASSY WHT

TE Part # 8-320861-1
TERMINAL,PIDG SPD FLG 16-14 6



TE Part # 5-104549-6
40 SYS50 S/M HDR DRST SHRDSN

TE Part # 5103309-1
A/L LOW PRO HDR 10P VERT BLACK

TE Part # 1-1658528-1
636-1030LF=FEM SKT BLADE POL 1

TE Part # 58246-1
MTA 100 CRIMP HEAD REPAIR DISCRETE

TE Part # 787004-3
.8MM SCREWLOCK BRDMT,BULK

TE Part # 1-87220-4
14 MODII HDR SRST UNSHRD .100

TE Part # 58580-1
MTA 156 MANUAL TOOL ASSEMBLY DISCRETE

Documents

Product Drawings

03P MTA100 CONN ASSY POL TAB

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-644313-3_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-644313-3_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-644313-3_F.3d_stp.zip

English

Customer View Model

ENG_CVM_3-644313-3_E.3d_igs.zip

English

Customer View Model

ENG_CVM_3-644313-3_E.3d_stp.zip

English

Customer View Model

ENG_CVM_3-644313-3_E.2d_dxf.zip

English

3D PDF

English

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Product Specifications

Application Specification

English

Agency Approvals

Agency Approval Document

English