3-644043-5 ✔ ACTIVE

MTA 100

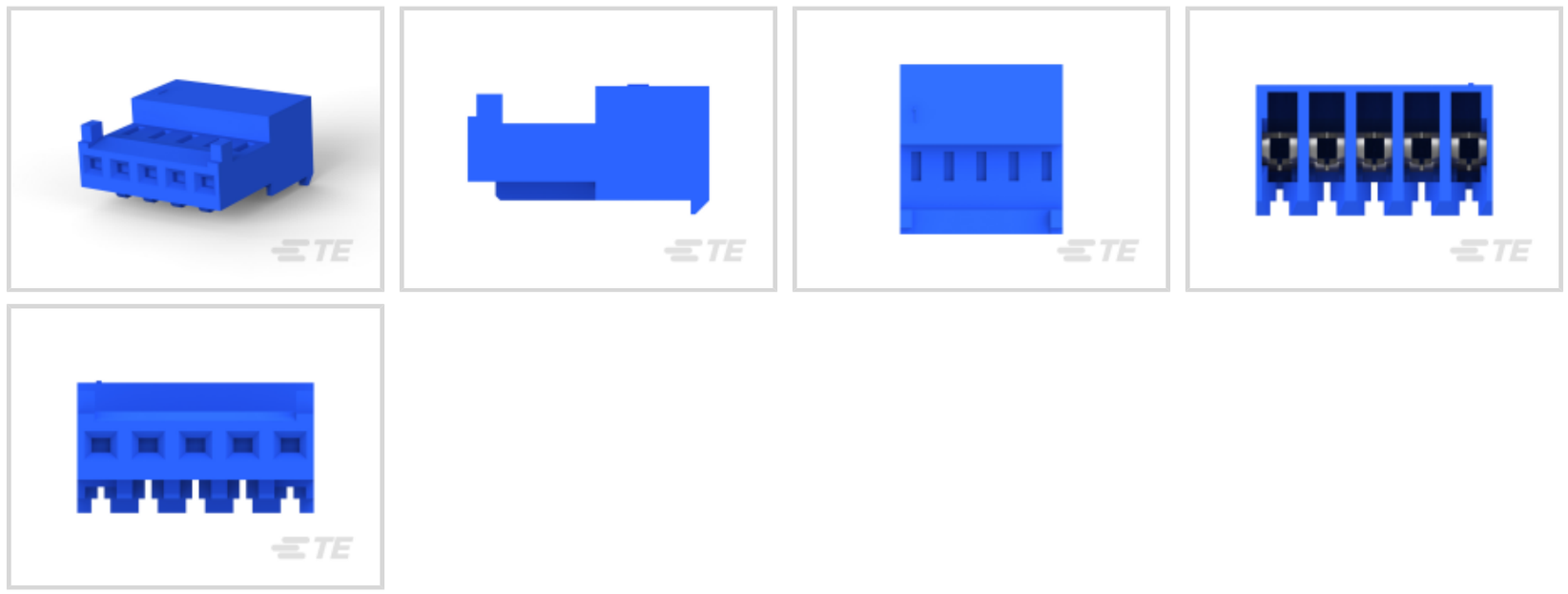
TE Internal #: 3-644043-5

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

View on TE.com >

Connectors > Rectangular Connectors > Standard Rectangular Connectors >

Nylon Gold 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 Gold Plated Receptacle: 2.54 mm, with Mating Alignment, MTA 100 (74)

Features

Product Type Features

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
Compatible With Discrete Wire Type	Stranded

Mechanical Attachment

Mating Alignment	With
Mating Alignment Type	Polarization
Mating Retention	With
Mating Retention Type	Locking Ramp

Connector Mounting Type	Cable Mount (Free-Hanging)
Contact Retention Type Within Housing	Locking Lance

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)

Operation/Application

Shielded	No
Circuit Application	Signal

Contact Features

Contact Mating Area Plating Material	Gold Flash over Palladium Nickel, Gold
Contact Retention Within Housing	With
Contact Current Rating (Max)	5 A
Contact Underplating Material	Nickel
Wire Contact Termination Area Plating Material	Tin
Contact Type	Receptacle

Industry Standards

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

Configuration Features

Number of Positions	5
Number of Rows	1
Number of Cavities	5
Contacts Preloaded	Yes

Housing Features

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

Electrical Characteristics

Operating Voltage	250 VAC

Usage Conditions

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

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Dimensions

Compatible Insulation Diameter (Max)	1.52 mm[.06 in]
Product Width	13.21 mm[.52 in]
Product Length	12.7 mm[.5 in]
Connector Height	6.99 mm[.275 in]
Wire Size	26 AWG

Packaging Features

Packaging Quantity	500
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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

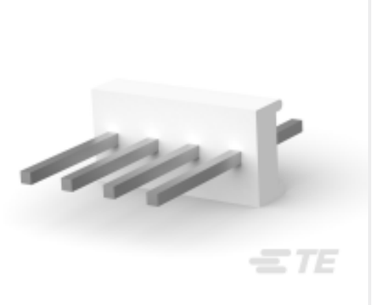
Compatible Parts



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



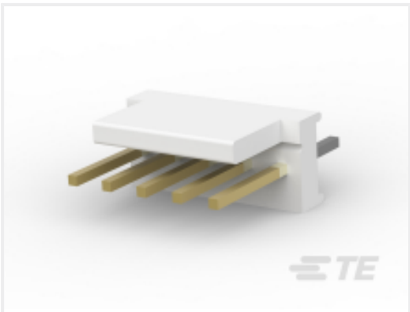
TE Part # CAT-104MTA-PLSCC
Polyester PCB Connector Covers: 2.54 mm, MTA 100



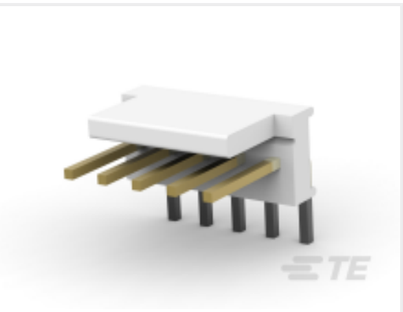
TE Part # CAT-104MTA-PVUNH
PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment



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



TE Part # 3-641213-5
05P MTA100 HDR ASSY PO/ST LF



TE Part # 3-641214-5
05P MTA100 HDR ASSY PO/RA LF



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



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



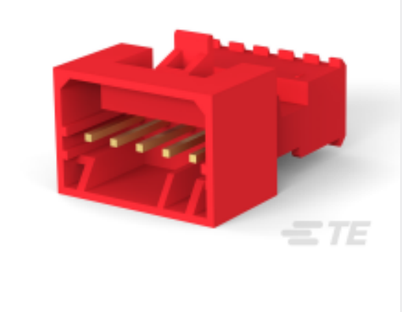
TE Part # 2-644487-5
05P MTA100 SHRD HDR ASSY 30AU



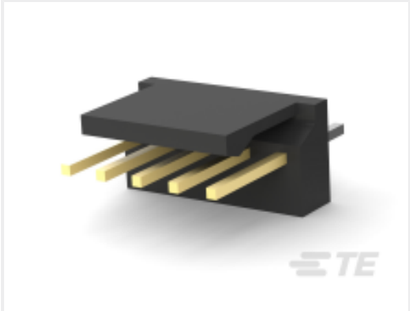
TE Part # 2-644489-5
05P MTA100 SHRD HDR R/A 30AU L



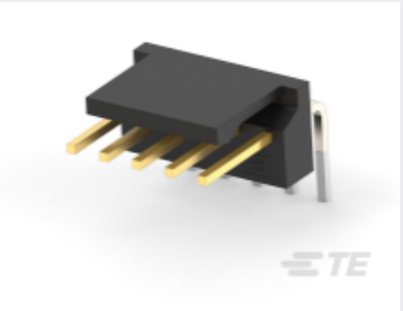
TE Part # CAT-104MTA-NVSMH
PCB Header: Nylon, Vertical, Surface Mount, MTA 100



TE Part # 3-647008-5
05P MTA100 PSTD CONN ASSY LF



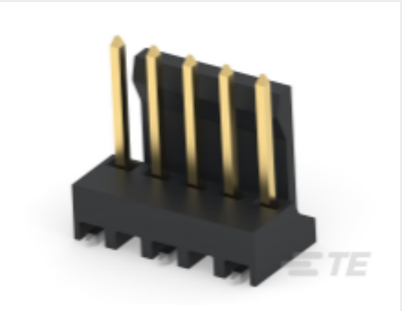
TE Part # 3-647116-5
05P MTA100 HDR HT FL 30AU LF



TE Part # 3-647117-5
05P MTA100 HDR HT FL 30AU LF



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



TE Part # 3-1744163-5
05P MTA100 HDR ASSY SM 30AU LF T&R



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

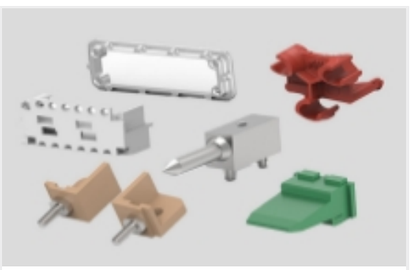
Also in the Series | MTA 100



Connector Caps & Covers(69)



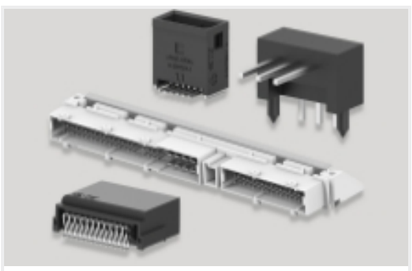
Connector Contacts(8)



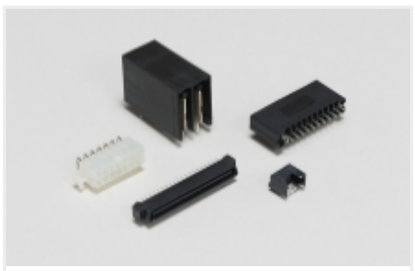
Connector Hardware(1)



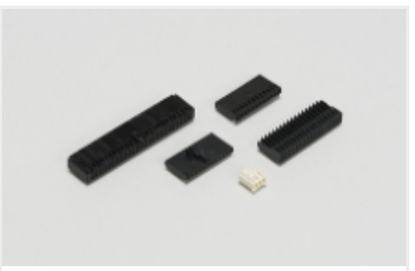
Insertion & Extraction Tools(2)



PCB Headers & Receptacles(441)



Standard Rectangular Connectors(495)

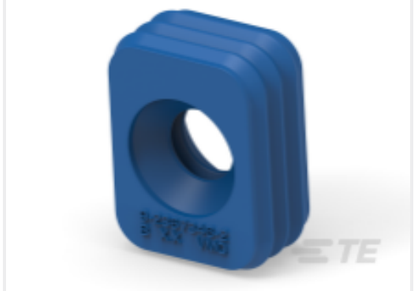


Wire-to-Board Connector Assemblies & Housings(1)

Customers Also Bought



TE Part #1658612-4
09 POS HDF RCPT, MS, LEAD FREE



TE Part #9-2367346-2
SWS,HSD,CVTY DIA,RECTANGULAR



TE Part #9-2370710-1
CU ALLOY,SHIELD ASSY,CONN HSG, DATA DT



TE Part #1969613-6
6P PM PLUG VAL-U-LOK V0



TE Part #1-794606-2
MICRO MNL RPT CNT STRP 30AU LF



TE Part #9-2367341-3
2POS,CSS SIZE 20,PIN OUTER HSG ASSY



TE Part #9-2367344-3
PIN CONN CVR,2POS,CSS SIZE 20,180 DEG



TE Part #DTM06-12SC-E003
PLG, 12P, GRN, N, CAP, C



TE Part #3-1823449-1
22POS, MIXED,TAB HSG,ASSY



TE Part #1-282079-2
AMP SUPERSEAL 1.5 SERIES 1P PLUG ASS'Y

Documents

Product Drawings

05P MTA100 CONN ASSY LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-644043-5_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-644043-5_H.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-644043-5_H.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

UL

English