



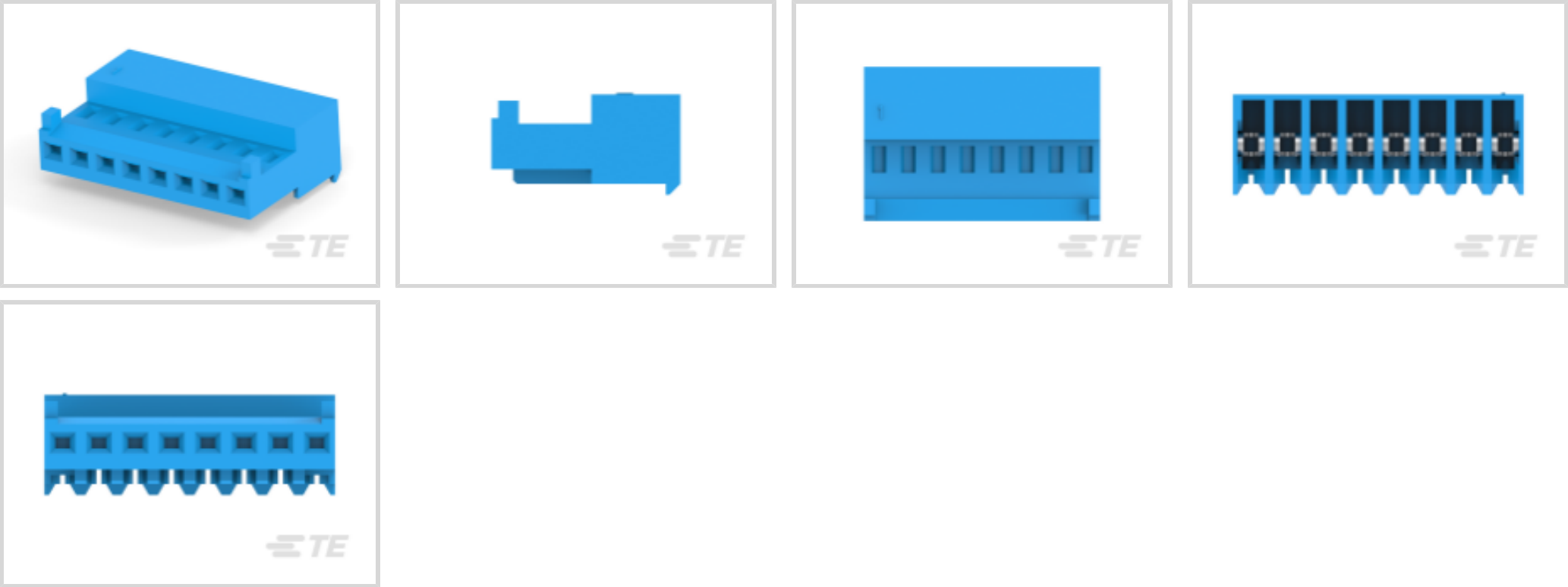
MTA 100

TE Internal #: 3-644043-8

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)
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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	8
Number of Rows	1
Number of Cavities	8
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
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Usage Conditions



Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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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	20.32 mm[.8 in]
Connector Height	6.99 mm[.275 in]
Wire Size	26 AWG

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: JUNE 2024 (241) Candidate List Declared Against: JAN 2023 (233) 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

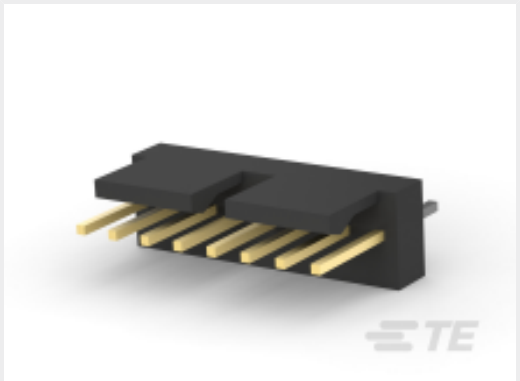
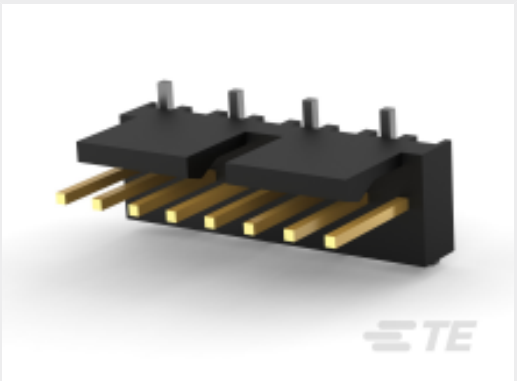
Product Compliance Disclaimer

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

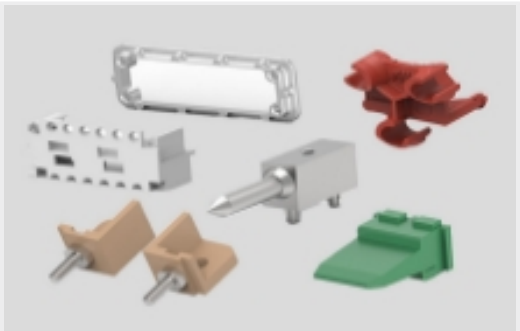


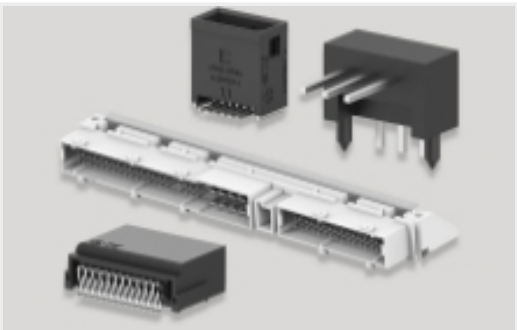
requirements for substances in articles’ posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts

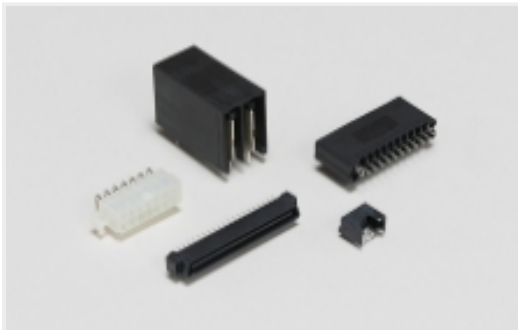
 TE Part # CAT-104MTA-PLSCC Polyester PCB Connector Covers: 2.54 mm, MTA 100	 TE Part # CAT-104MTA-NYLCC Nylon PCB Connector Covers: 2.54 mm, MTA 100	 TE Part # CAT-104MTA-PRUSH PCB Header: Polyester, Right Angle, Unshrouded	 TE Part # CAT-104MTA-PVUNH PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment
 TE Part # 58074-1 MTA 50/100/156 MANUAL TOOL FRAME	 TE Part # 58579-1 MTA 100 MANUAL TOOL ASSEMBLY DISCRETE	 TE Part # 3-647116-8 08P MTA100 HDR HT FL 30AU LF	 TE Part # 3-647168-8 08P MTA100 HDR ASSY SM 30AU LF
 TE Part # 2-644487-8 08P MTA100 SHRD HDR ASSY 30AU	 TE Part # 641213-8 08P MTA100 HDR ASSY PO/ST 30AU	 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)
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PCB Headers & Receptacles(441)

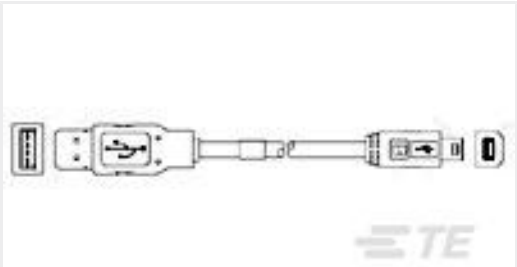


Standard Rectangular Connectors(495)

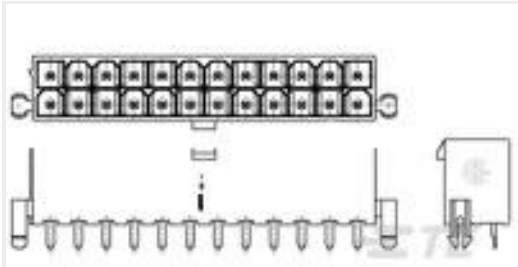


Wire-to-Board Connector Assemblies & Housings(1)

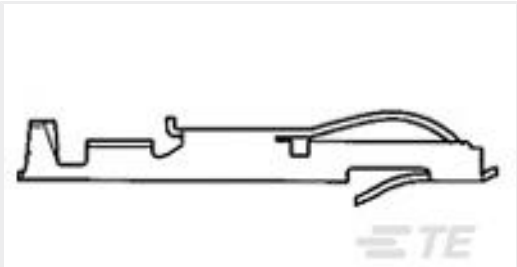
Customers Also Bought



TE Part #1496476-3
STD USB-A TO MINI-B ASSY 2.0M



TE Part #1-1586039-0
10P VAL-U-LOK VRT HDR W/P V2



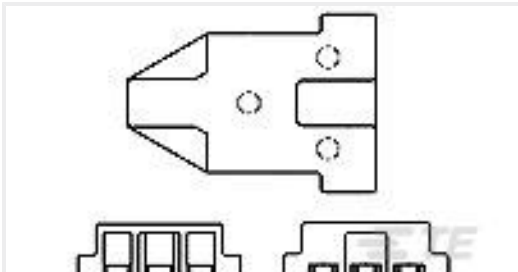
TE Part #583853-8
TWIN LEAF TERMINAL STRIP



TE Part #ANT-LPC-FPC-100
Antenna Vert 5G LTE FPC 100



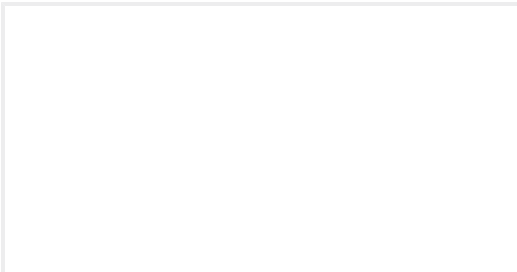
TE Part #3-644043-4
04P MTA100 CONN ASSY LF



TE Part #1-171370-1
2.3 DIA CLUSTER BLOCK HSG



TE Part #1-6437159-7
FSN-27A



TE Part #11105401-00
10000 PSI, 7/16-20UNF, 20mV/V,
Cable, 2f

Documents

Product Drawings

08P MTA100 CONN ASSY LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-644043-8_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-644043-8_H.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-644043-8_H.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

Agency Approval Document

English