

1586514-2 ✓ ACTIVE

MATE-N-LOK | Commercial MATE-N-LOK

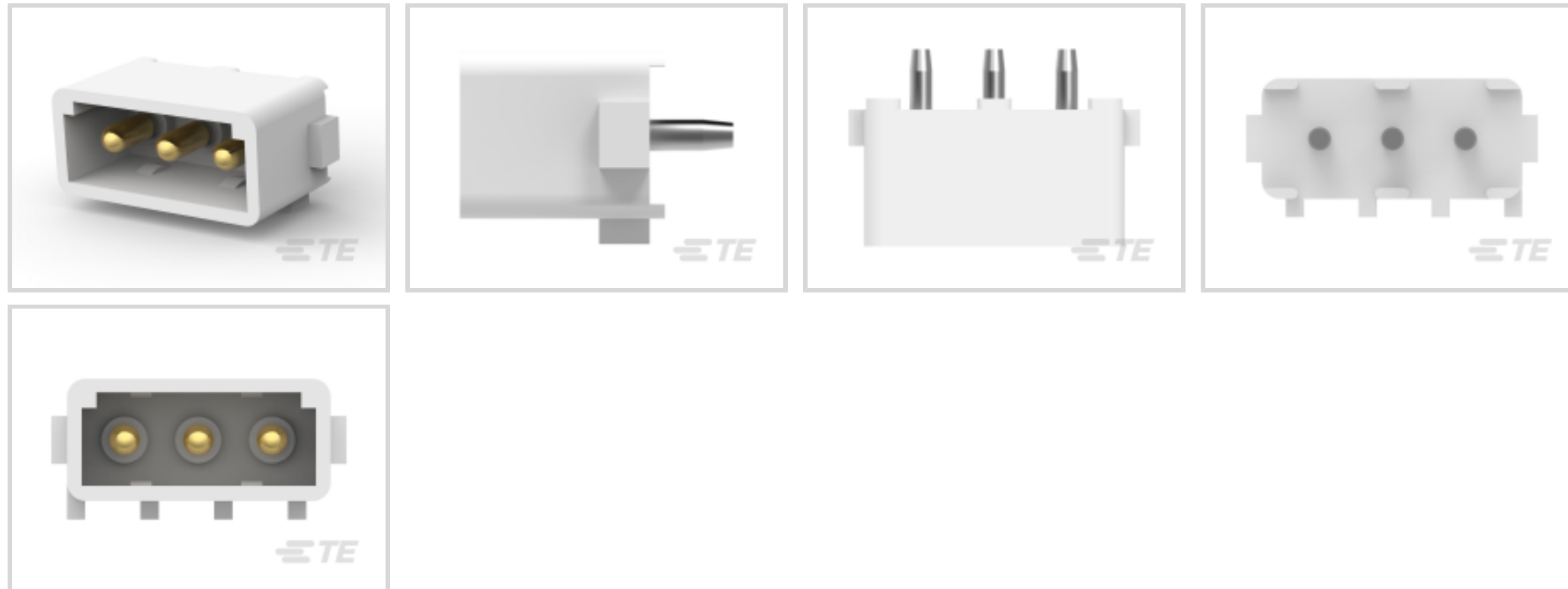
TE Internal #: 1586514-2

Commercial MATE-N-LOK, Rectangular Power Connectors,
Header, Plug, Wire-to-Board, 3 Position, 5.08mm [.2in] Centerline,
Printed Circuit Board

[View on TE.com >](#)



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

Connector System: **Wire-to-Board**

Number of Positions: **3**

Centerline (Pitch): **5.08 mm [.2 in]**

Features

Product Type Features

Rectangular Power Connector Type	Header
Connector & Housing Type	Plug
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	3
PCB Mount Orientation	Vertical
Number of Power Positions	3
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Contact Layout	Inline
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Contact Current Rating (Max)	12 A
Contact Retention Within Housing	Without
Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	1.18 μm [.03 μin]

Termination Features

Termination Post & Tail Length	3.81 mm[.149 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Polarization
Mating Alignment	With
Connector Mounting Type	Board Mount
Mating Retention	With
Mating Retention Type	Detent Lock

Housing Features

Centerline (Pitch)	5.08 mm[.2 in]
Housing Color	Natural
Housing Material	Nylon

Dimensions

PCB Thickness (Recommended)	.06 mm[1.57 in]
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Usage Conditions

Operating Temperature Range	-55 – 105 $^{\circ}\text{C}$ [-67 – 221 $^{\circ}\text{F}$]
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Operation/Application

Circuit Application	Power
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Industry Standards

UL Flammability Rating	UL 94V-2
Glow Wire Rating	Standard Part - Not Glow Wire
UL Rating	Certified, Recognized
Agency/Standard Number	E28476
CSA File Number	LR16455
VDE Tested	No



Agency/Standard	CSA, UL
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Packaging Features

Packaging Method	Bag
Packaging Quantity	100

Other

For Use With	Socket (Plug) Housing
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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 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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	Wave solder capable to 265°C

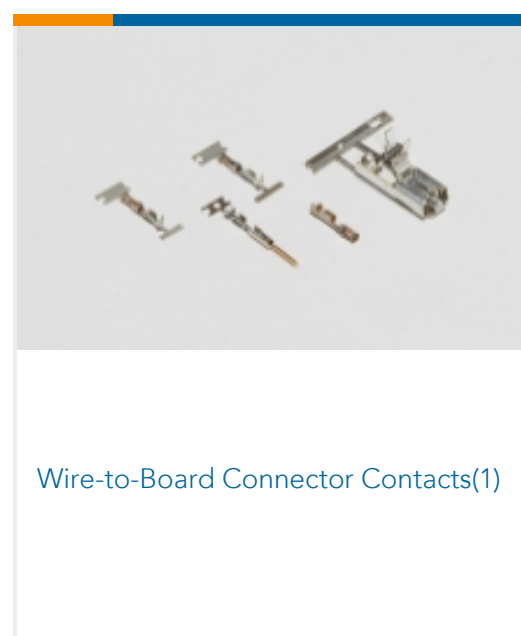
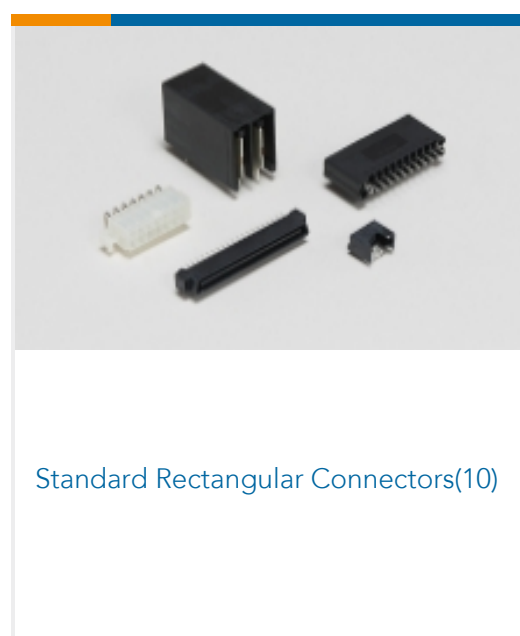
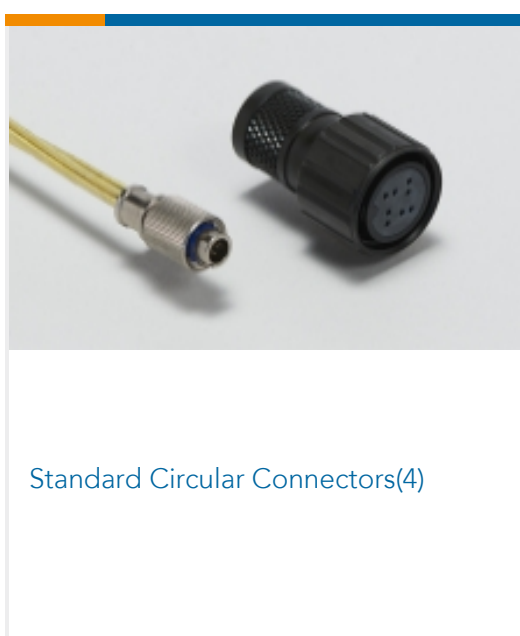
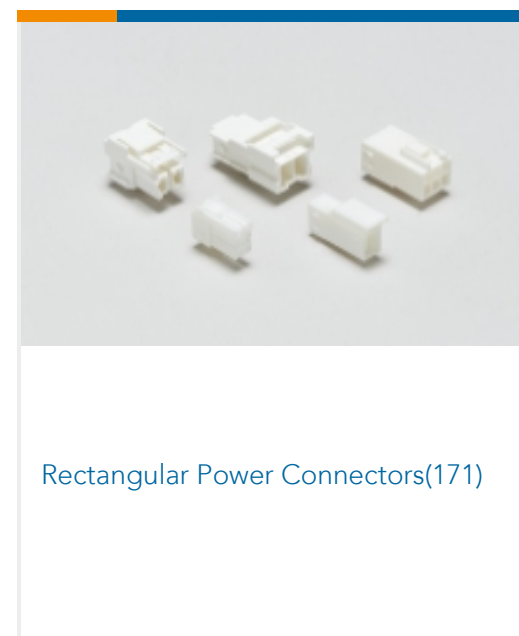
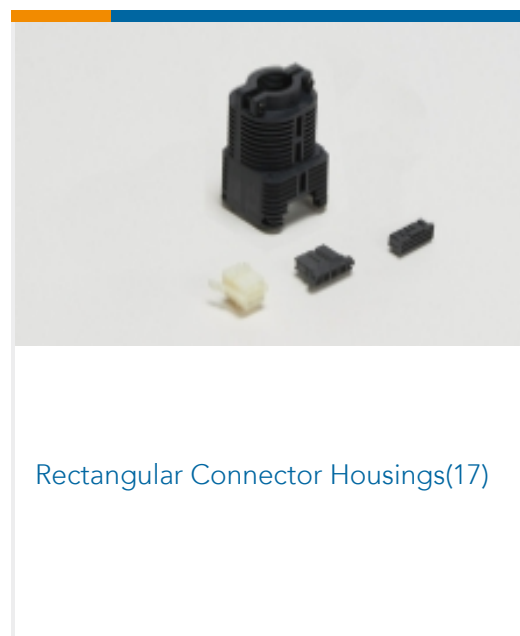
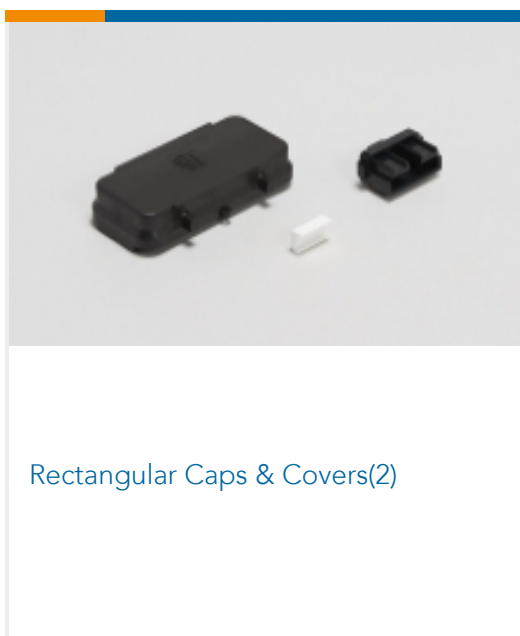
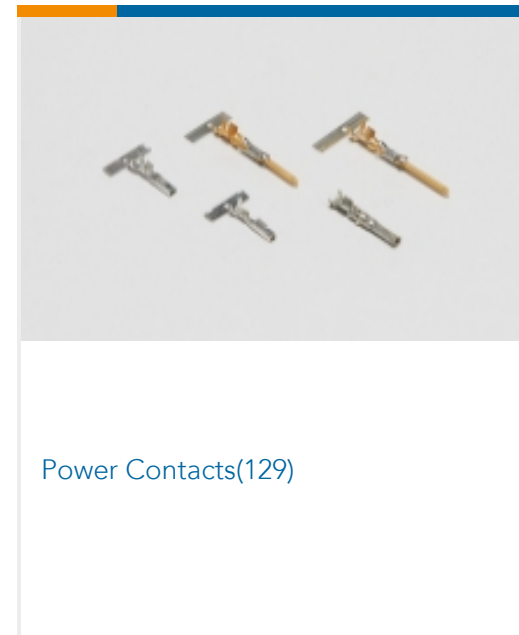
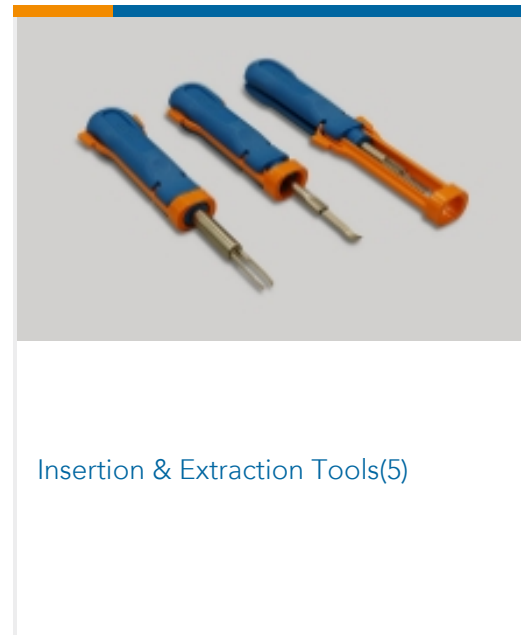
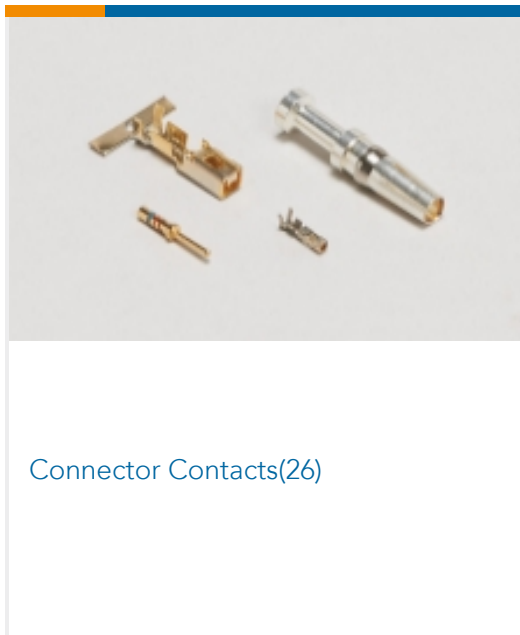
Product Compliance Disclaimer

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



Also in the Series | Commercial MATE-N-LOK



Customers Also Bought





TE Part #9-146308-0
80 MODII HDR DRRR B/A .100



TE Part #1-770174-1
04P MINI UMNL ASSY VO SNAU LF



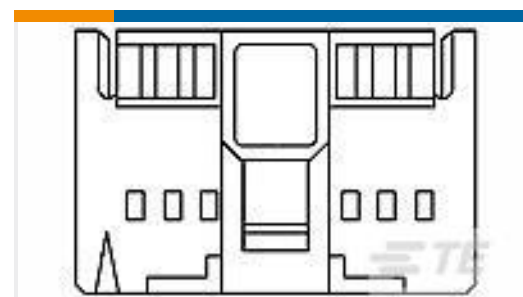
TE Part #1-480703-0
04P UMNL CAP HSG NATL



TE Part #1-480701-0
03P UMNL CAP HSG NATL



TE Part #1-170823-3
187 FASTON SLEEVE,REC.,
TRANSPARENT,NAT



TE Part #103681-4
14 MTE COUPLING SHRD DR

Documents

Product Drawings

[03P CMNL HDR ASSY PC NATL LF](#)

English

CAD Files

[3D PDF](#)

English

Customer View Model

[ENG_CVM_1586514-2_O.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_1586514-2_O.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_1586514-2_O.2d_dxf.zip](#)

English

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Datasheets & Catalog Pages

[SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)



English

[Agency Approvals](#)

[Agency Approval Document](#)

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