

1-163036-0 ✓ ACTIVE

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

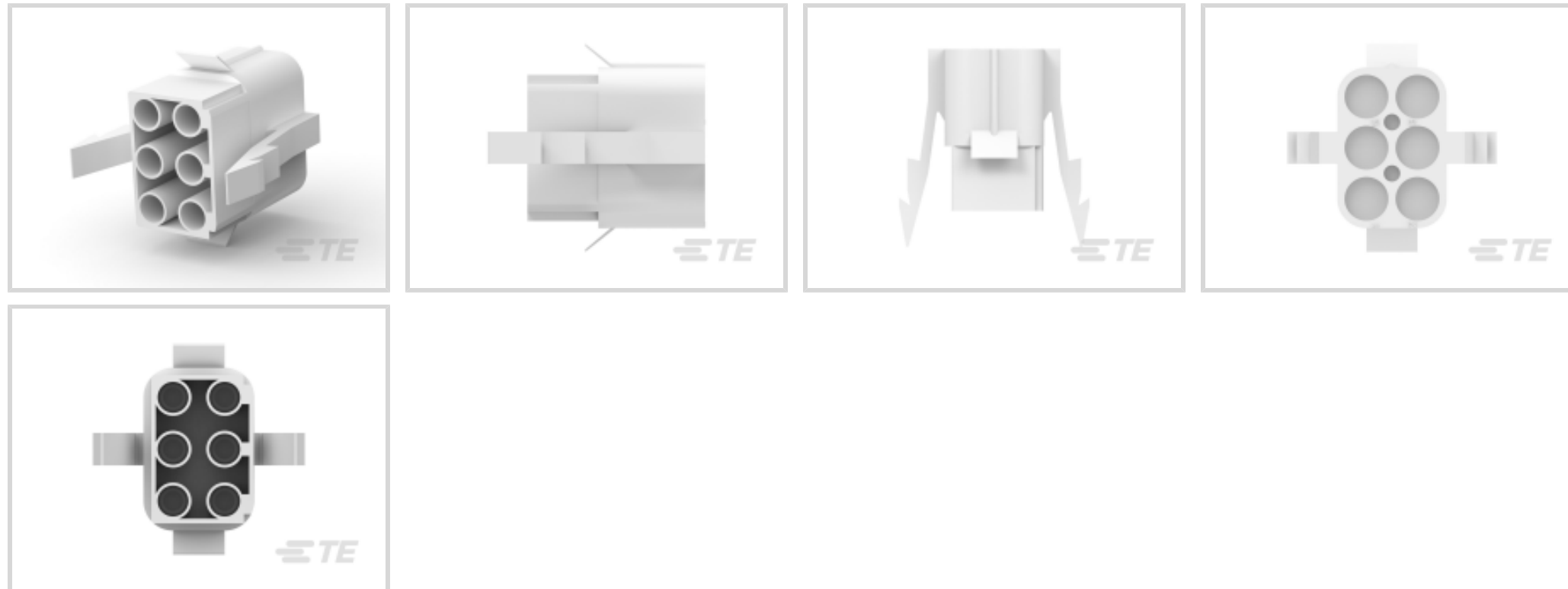
TE Internal #: 1-163036-0

Rectangular Power Connectors, Housing, Plug, Wire-to-Panel /
Wire-to-Wire, 6 Position, 7.11 mm [.28 in] Centerline, Commercial
MATE-N-LOK

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

Connector System: **Wire-to-Panel, Wire-to-Wire**

Number of Positions: **6**

Centerline (Pitch): **7.11 mm [.28 in]**

Features

Product Type Features

Rectangular Power Connector Type	Housing
Connector & Housing Type	Plug
Connector System	Wire-to-Panel, Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	6
Number of Rows	2

Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Contact Retention Within Housing	Without
Contact Type	Socket



Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Panel Mount Feature	With
Panel Mount Feature Type	Locking Leg
Connector Mounting Type	Panel Mount

Housing Features

Centerline (Pitch)	7.11 mm [.28 in]
Housing Color	Natural
Housing Material	Nylon

Dimensions

Panel Thickness (Recommended)	.64 – 1.65 mm [.025 – .065 in]
Row-to-Row Spacing	7.1 mm [.28 in]

Usage Conditions

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

Circuit Application	Power & Signal
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Identification Marking

Circuit Identification Feature	With
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Industry Standards

CSA Rating	LR 16455
UL Rating	Certified, Recognized
Agency/Standard	CSA, UL
Approved Standards	UL E28476
UL Flammability Rating	UL 94V-2
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	400
Packaging Method	Bag

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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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

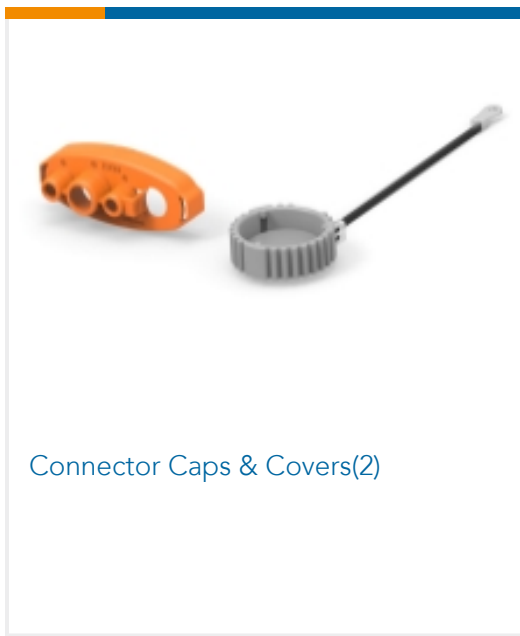
Product Compliance Disclaimer

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>

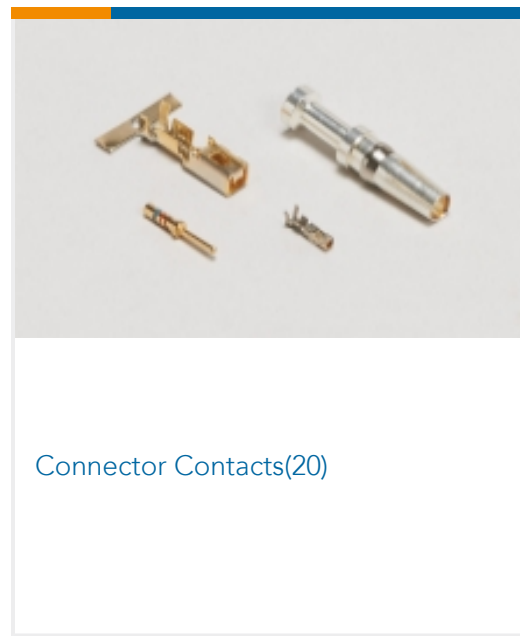
Compatible Parts



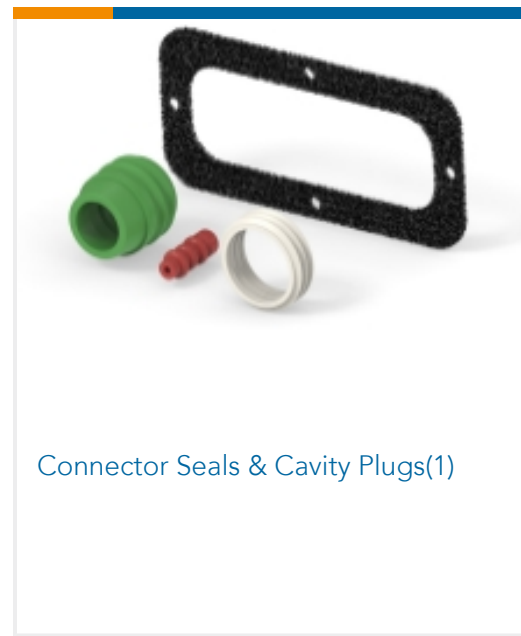
Also in the Series | Commercial MATE-N-LOK



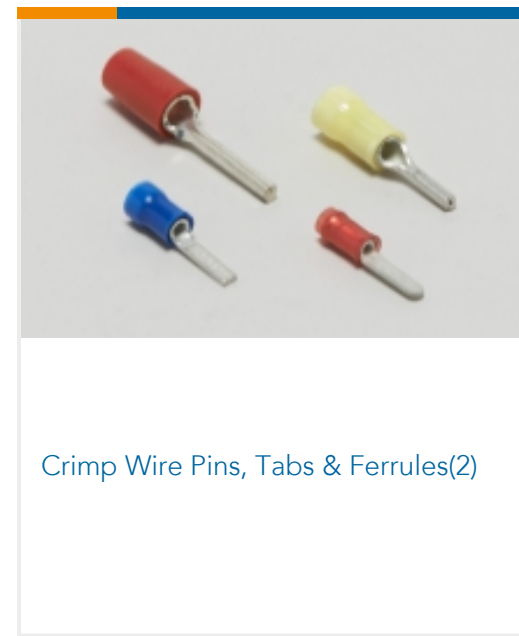
Connector Caps & Covers(2)



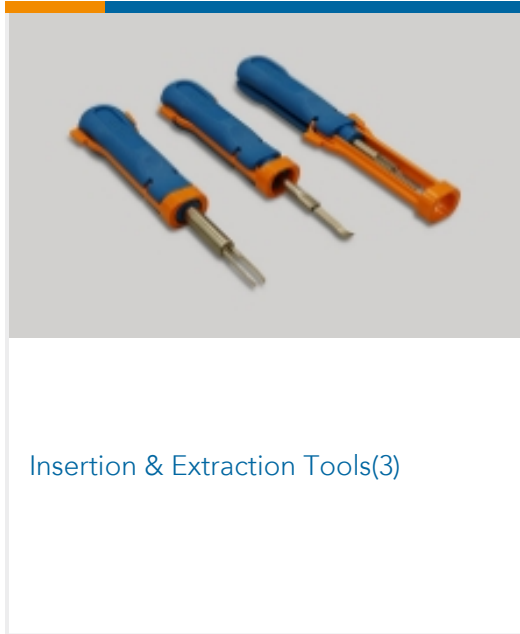
Connector Contacts(20)



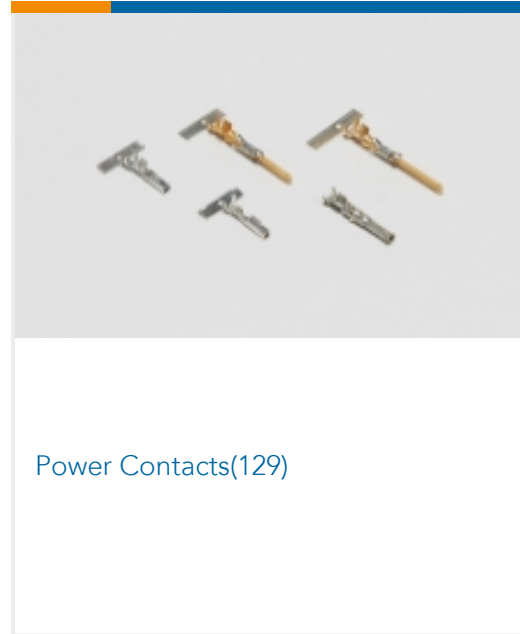
Connector Seals & Cavity Plugs(1)



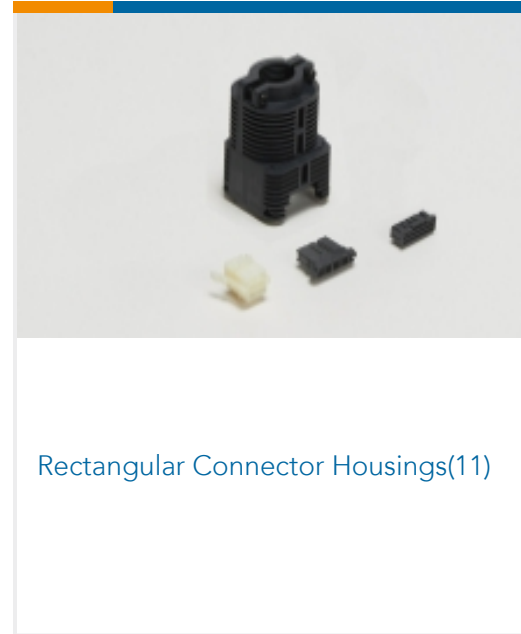
Crimp Wire Pins, Tabs & Ferrules(2)



Insertion & Extraction Tools(3)



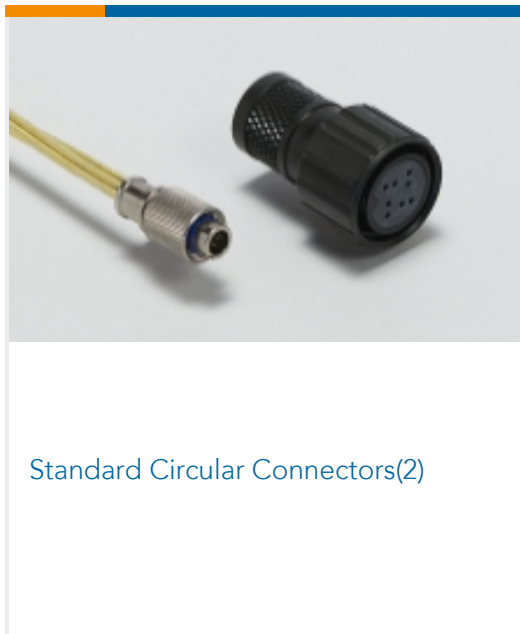
Power Contacts(129)



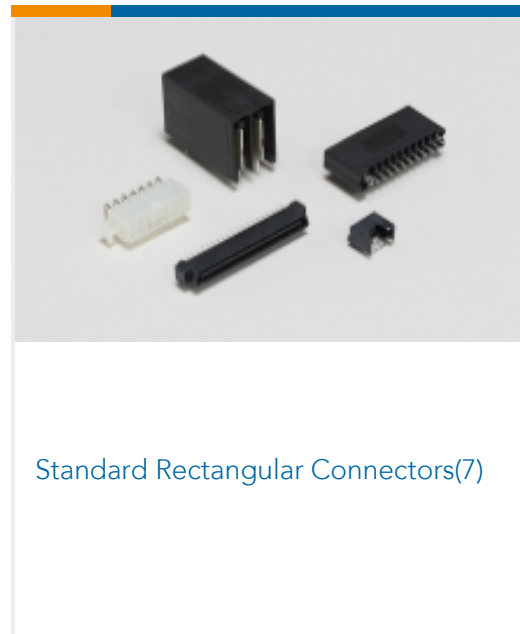
Rectangular Connector Housings(11)



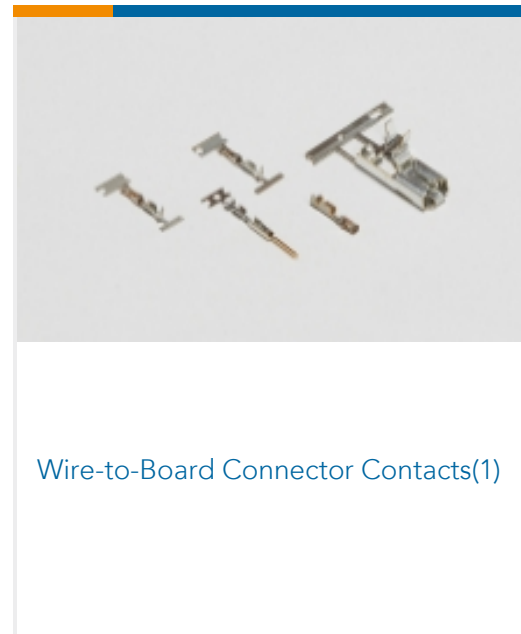
Rectangular Power Connectors(169)



Standard Circular Connectors(2)



Standard Rectangular Connectors(7)



Wire-to-Board Connector Contacts(1)

Customers Also Bought



TE Part #DT06-6S-E004
DEUTSCH DT Plug Connectors



TE Part #163305-2
MATENLOK PIN SDW



TE Part #1-1437558-6
MTA106G=(MSTA) SWITCH TOGGLE S



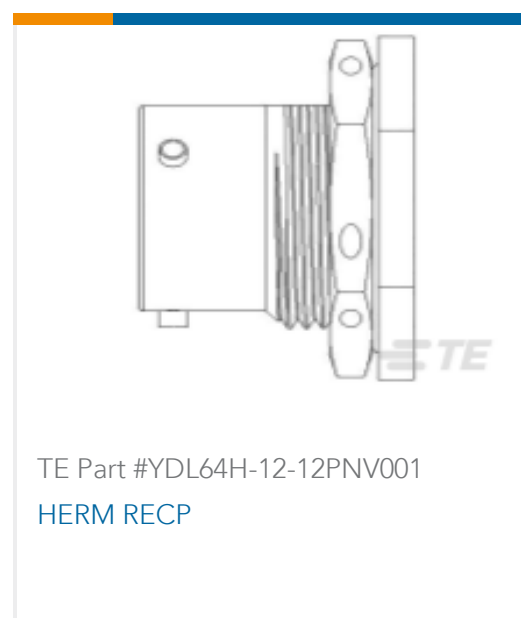
TE Part #DT04-4P-E004
REC, 4P, BLK, N



TE Part #151680
2 WAY MATE-N-LOK SOC HSG NAT.



TE Part #ZPF000000000000570
020-0511-20



TE Part #YDL64H-12-12PNV001
HERM RECP



TE Part #1-1437558-3
MTA106EPC=(MSTA) SW TOG P/C TE

Documents



Product Drawings

6P.MATE-N-LOK HSG

English

CAD Files

Customer View Model

[ENG_CVM_1-163036-0_G.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_1-163036-0_G.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_1-163036-0_G.2d_dxf.zip](#)

English

3D PDF

English

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Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English

Agency Approvals

Agency Approval Document

English