



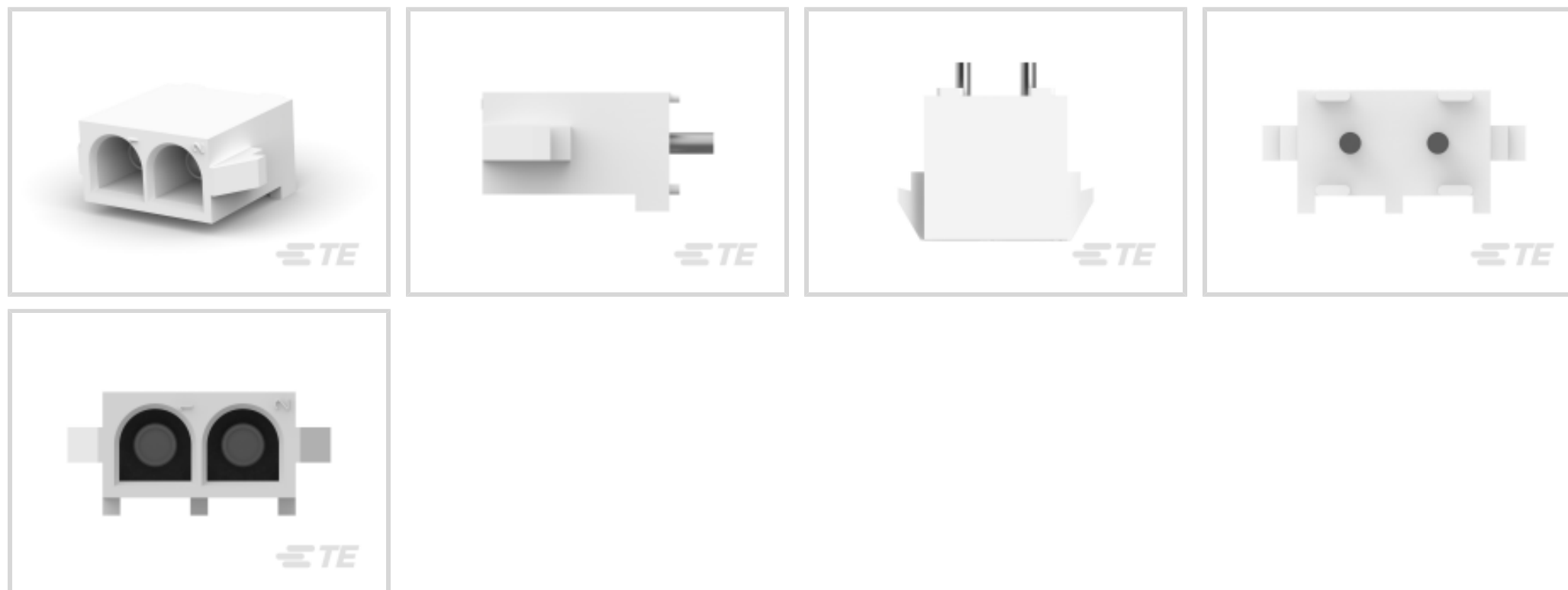
MATE-N-LOK | Universal MATE-N-LOK

TE Internal #: 2029000-1

Universal MATE-N-LOK, Rectangular Power Connectors, Header, Receptacle, Wire-to-Board, 2 Position, 6.35mm [.25in] Centerline, Printed Circuit Board

[View on TE.com >](#)

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **2**

Centerline (Pitch): **6.35 mm [.25 in]**

Features

Product Type Features

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

Configuration Features

Number of Positions	2
PCB Mount Orientation	Vertical
Number of Power Positions	2
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Multiple Contact Types	Without
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Contact Layout	Inline
Contact Current Rating (Max)	12 A
Contact Retention Within Housing	Without
Contact Type	Socket
PCB Contact Termination Area Plating Material	Pre-Tin
Contact Mating Area Plating Material	Pre-Tin
Contact Mating Area Plating Material Thickness	3.81 – 5.08 μm [150 – 200 μin]

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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Mechanical Attachment

Connector Mounting Type	Board Mount
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Housing Features

Centerline (Pitch)	6.35 mm[.25 in]
Housing Color	Natural
Housing Material	Nylon

Dimensions

	.03 – .09 in
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Usage Conditions

Operating Temperature Range	-40 – 105 $^{\circ}\text{C}$ [-40 – 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
Agency/Standard Number	E28476

Packaging Features

Packaging Method	Bag
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Product Compliance

For compliance documentation, visit the product page on [TE.com](#)>

EU RoHS Directive 2011/65/EU	Compliant
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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: JUN 2020 (209) Candidate List Declared Against: JAN 2020 (205) 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>


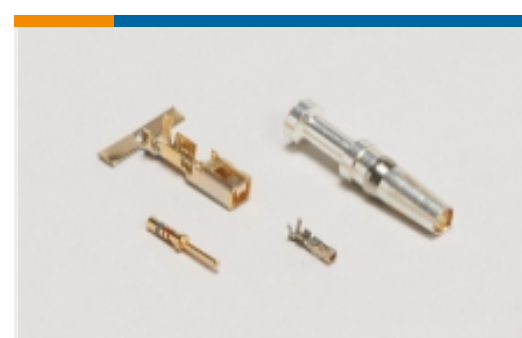
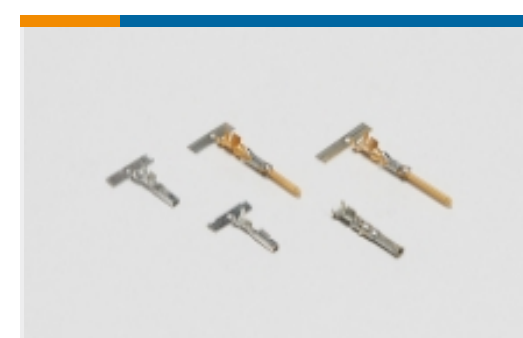

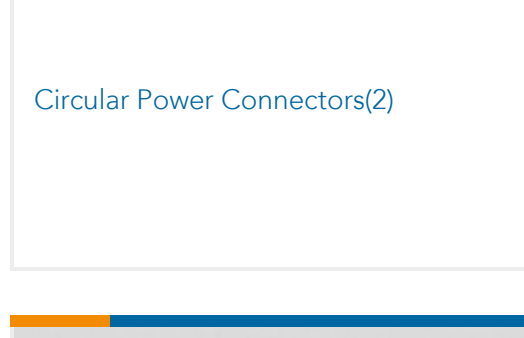



Compatible Parts

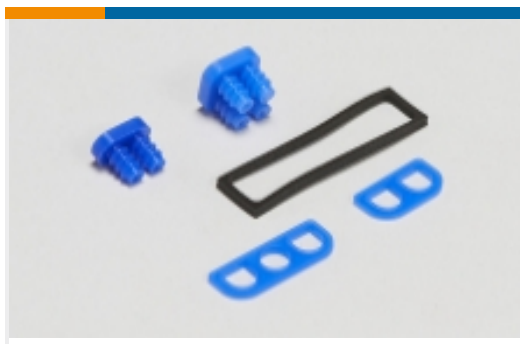
 <p>TE Model / Part # 1-350778-9 02P UMNL V0 CAP HSG BLACK</p>	 <p>TE Model / Part # 1-350778-3 02P UMNL V0 CAP HSG ORANGE</p>	 <p>TE Model / Part # 1-350778-2 02P UMNL V0 CAP HSG RED</p>	 <p>TE Model / Part # 1-480699-9 02P UMNL CAP HSG BLK</p>
 <p>TE Model / Part # 1-480699-2 02P UMNL CAP HSG RED</p>	 <p>TE Model / Part # 1-641964-1 02P UMNL HDR ASSY POL BLK</p>	 <p>TE Model / Part # 1-1703062-2 CAP, 2 CIRCUIT, UNIVERSAL MATE-N-LOK</p>	 <p>TE Model / Part # 1703062-1 CAP, 2 CIRCUIT, UNIVERSAL MATE-N-LOK</p>



 <p>TE Model / Part # 1-480699-0 02P UMNL CAP HSG NATL</p>	 <p>TE Model / Part # 1586856-1 02P UMNL CAP HSG, GW</p>	 <p>TE Model / Part # 1-350778-1 02P UMNL V0 CAP HSG BROWN</p>	 <p>TE Model / Part # 1-480699-1 02P UMNL CAP HSG BRN</p>
 <p>TE Model / Part # 1-480699-6 02P UMNL CAP HSG BLU</p>	 <p>TE Model / Part # 1-480699-5 02P UMNL CAP HSG GRN</p>	 <p>TE Model / Part # 643250-1 02P UMNL ASSY MOD HSG V0</p>	 <p>TE Model / Part # 1-480699-8 02P UMNL CAP HSG GRY</p>
 <p>TE Model / Part # 1703062-2 CAP, 2 CIRCUIT, UNIVERSAL MATE-N-LOK</p>	 <p>TE Model / Part # 1703062-3 CAP, 2 CIRCUIT, UNIVERSAL MATE-N-LOK</p>	 <p>TE Model / Part # 1703062-4 CAP, 2 CIRCUIT, UNIVERSAL MATE-N-LOK</p>	 <p>TE Model / Part # 2-480699-0 02P UMNL CAP HSG NATL</p>

Also in the Series | **Universal MATE-N-LOK**

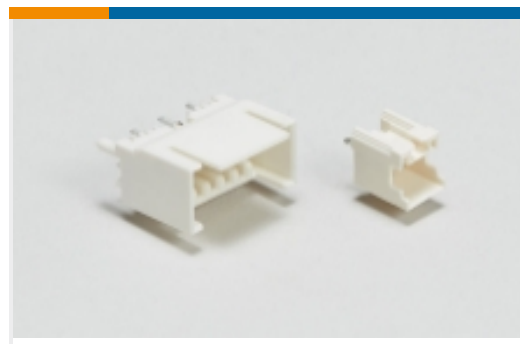
 <p>Circular Power Connectors(2)</p>	 <p>Connector Contacts(11)</p>	 <p>Power Contacts(207)</p>	 <p>Rectangular Boots & Strain Relief(35)</p>
 <p>Rectangular Connector Adapters(7)</p>	 <p>Rectangular Connector Housings(3)</p>	 <p>Rectangular Connector Keying Plugs(3)</p>	 <p>Rectangular Connector Locking(4)</p>



Rectangular Connector Seals(26)



Rectangular Power Connectors(716)



Wire-to-Board Headers & Receptacles (3)

Customers Also Bought



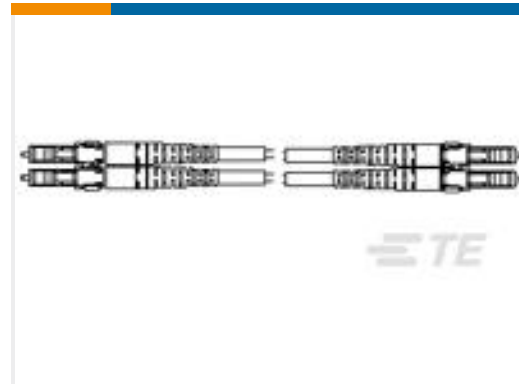
TE Model / Part #6-2176400-5
3540 470R 1%



TE Model / Part #2029361-1
05P UMNL SOC HDR V2 NATL NDH



TE Model / Part #2029002-1
09P UMNL HDR ASSY PC, NDH



TE Model / Part #2-2064915-5
C/A,F/O,2F I/O MM50 OM3,SCLC DPX



TE Model / Part #2213782-4
UNIVERSAL MATE-N-LOK 4-PSN
WIRE SEAL



TE Model / Part #2213782-2
UNIVERSAL MATE-N-LOK 2-PSN
WIRE SEAL



TE Model / Part #2064915-1
C/A,F/O,2F I/O MM50 OM3,SCLC D



TE Model / Part #2029362-1
05P UMNL BLUE GANG WIRE SEAL



TE Model / Part #2064915-3
C/A,F/O,2F I/O MM50 OM3,SCLC DPX



TE Model / Part #6-2176365-9
RQ 0603 205R 0.1% 10PPM 1K RL

Documents

Product Drawings

02P UMNL HDR SHRT TAIL, NDH

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_2029000-1_A.2d_dxf.zip



English

Customer View Model

[ENG_CVM_2029000-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_2029000-1_A.3d_stp.zip](#)

English

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Agency Approvals

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English