

1586860-1 ✓ ACTIVE

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

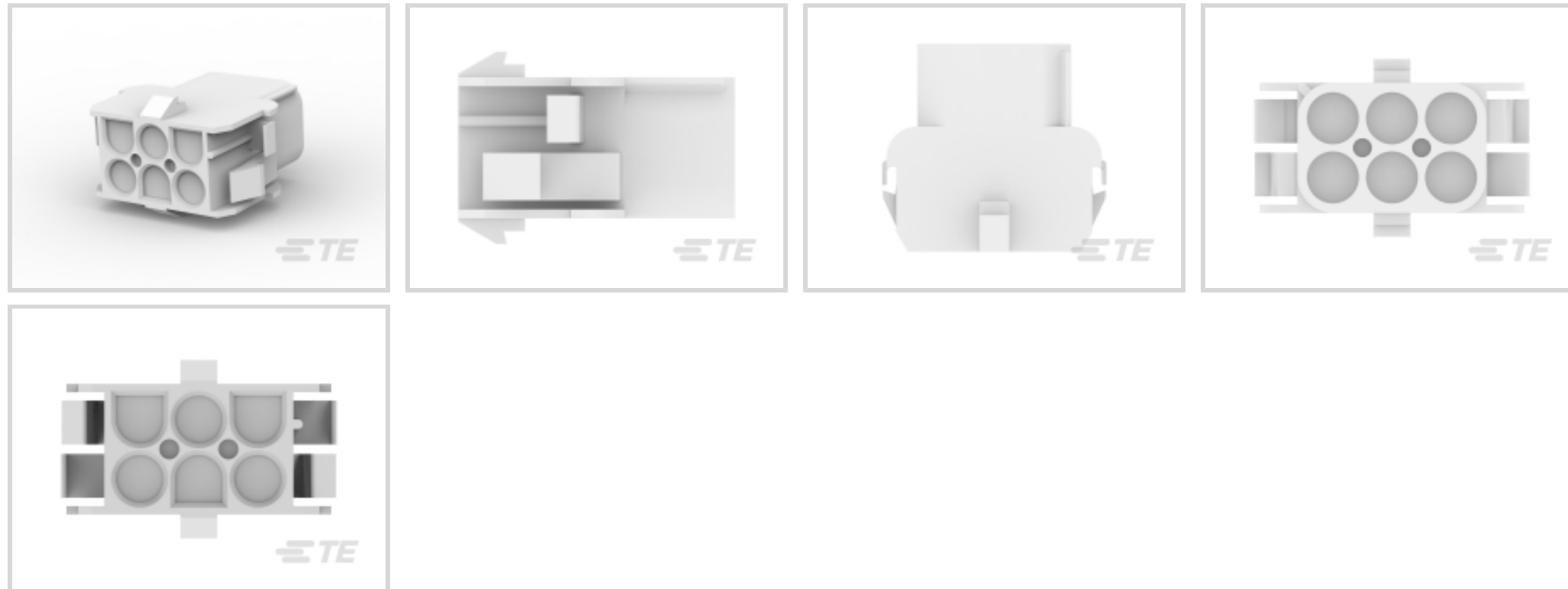
TE Internal #: 1586860-1

Housing, Receptacle, Wire-to-Panel / Wire-to-Wire, 6 Position, 6.35 mm [.25 in] Centerline, Universal MATE-N-LOK, Rectangular Power Connectors

[View on TE.com >](#)



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Receptacle**

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

## Features

### Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

### Product Type Features

Rectangular Power Connector Type	Housing
Connector & Housing Type	Receptacle
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	600 VAC
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### Contact Features

Multiple Contact Types	Without
Contact Layout	Matrix
Contact Retention Within Housing	Without
Contact Type	Pin

### Termination Features

Termination Method to Wire & Cable	Crimp
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### Mechanical Attachment

Panel Mount Feature	With
Panel Mount Feature Type	Latches
Connector Mounting Type	Panel Mount

### Housing Features

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

### Dimensions

Panel Thickness (Recommended)	.76 – 2.29 mm [.76 – 2.29 in]
Row-to-Row Spacing	6.35 mm [.25 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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### Industry Standards

Compatible With Agency/Standards Products	UL, VDE
UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-2
Glow Wire Rating	GWT 750°C (Without Flame)

### Packaging Features

Packaging Quantity	1
Packaging Method	Package



## 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	Not Low Halogen - contains Br or Cl > 900 ppm.
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 # 350431-4  
06P UMNL PINHDR ASSY V2 NAT LF



TE Part # 1-480705-2  
06P UNML CAP HSG RED



TE Part # 350732-4  
06P UMNL PIN HDR ASSY 94VO LF



TE Part # 350732-1  
06P UMNL PIN HDR ASSY 94VO



TE Part # 350762-5  
06P UMNL HDR ASSY PC LF

TE Part # 350834-1  
06P UMNL HDR ASSY PC 94VO

TE Part # 1-480704-2  
06P UMNL PLUG HSG RED

TE Part # 350585-1  
06P UMNL PIN HDR ASSY V2 NATL

TE Part # 350827-4  
06P UMNL HDR ASSY PC 94VO LF

TE Part # 1644055-1  
UNIV MATE-N-LOK HOUSING 6W

TE Part # 350711-1  
06P UMNL PIN HDR ASSY 94VO

TE Part # 350711-4  
06P UMNL PIN HDR ASSY 94VO LF

TE Part # 350585-4  
06P UMNL PIN HDR ASSY V2 LF

TE Part # 641969-1  
06P UMNL PIN HDR ASSY V2 NATL

TE Part # 350827-1  
06P UMNL HDR ASSY PC 94VO

TE Part # 641970-1  
06P UMNL PIN HDR ASSY 94VO

TE Part # 350715-4  
06P UMNL PLUG HSG UL94VO

TE Part # 643424-3  
06P UMNL HDR ASSY POL 94VO LF

TE Part # 641970-3  
06P UMNL PIN HDR ASSY 94VO LF

TE Part # 643749-1  
06P UMNL HDR ASSY W/O DRNS

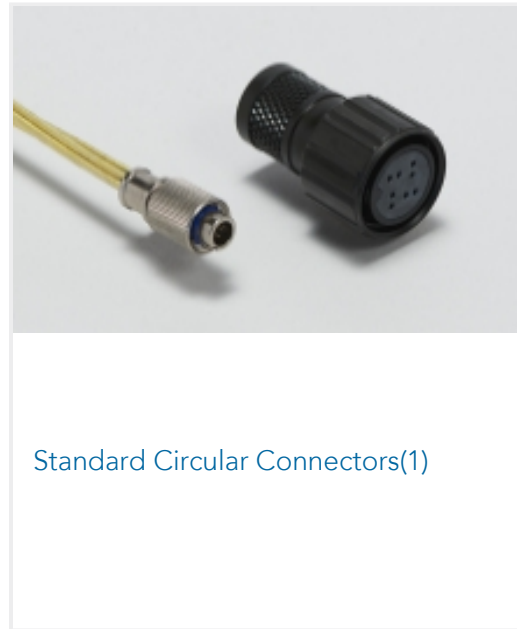
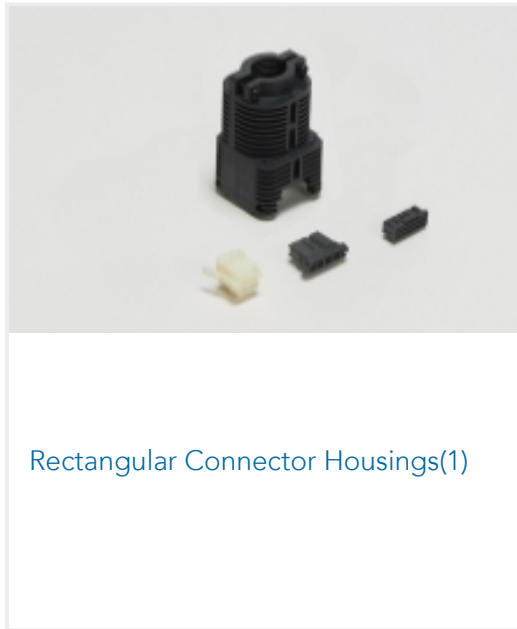
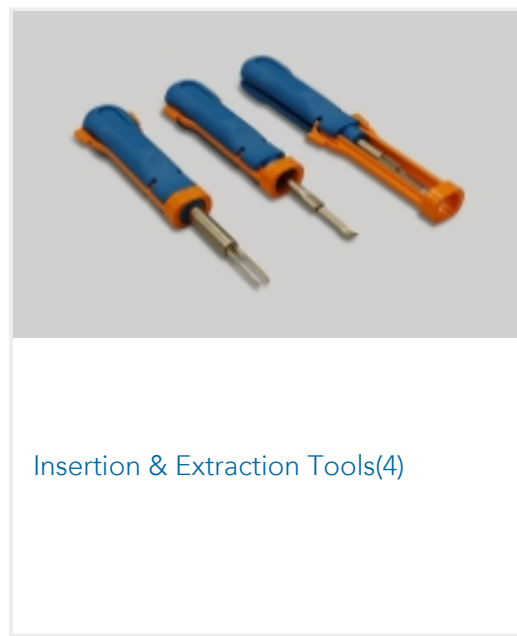
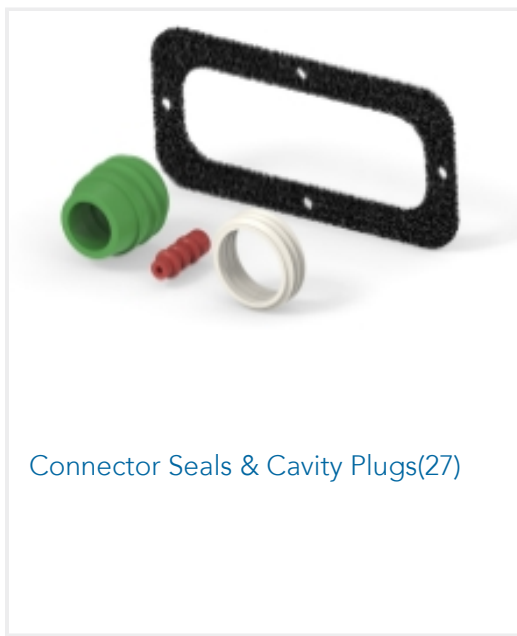
Also in the Series | **Universal MATE-N-LOK**

Circular Power Connectors(2)

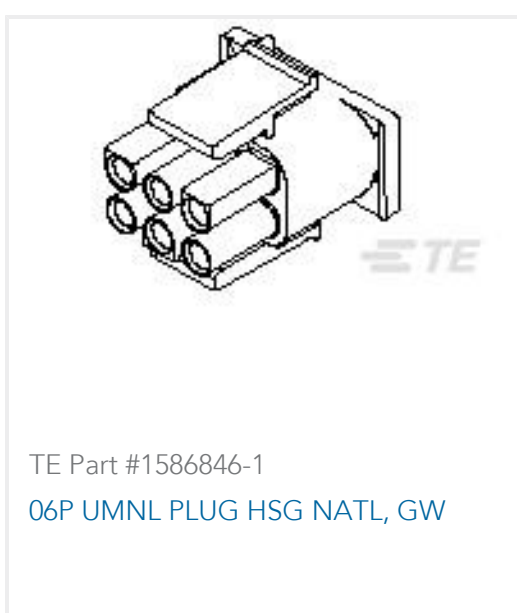
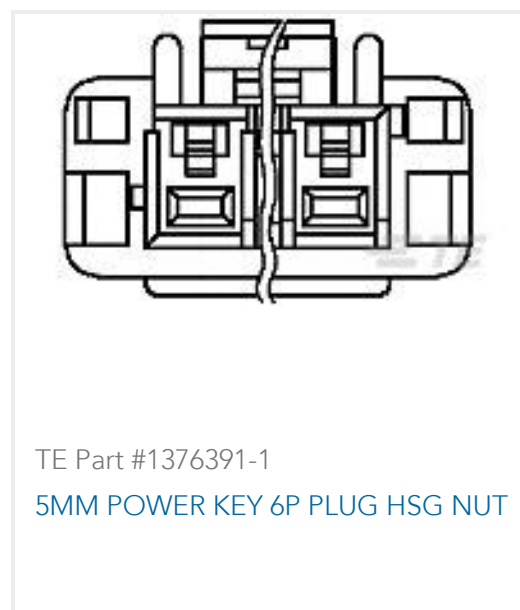
Connector Caps & Covers(34)

Connector Contacts(209)

Connector Hardware(12)



### Customers Also Bought



### Documents



### Product Drawings

#### 06P UMNL CAP HSG, GW

English

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### CAD Files

#### 3D PDF

English

#### Customer View Model

[ENG\\_CVM\\_1586860-1\\_A.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_1586860-1\\_A.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_1586860-1\\_A.3d\\_stp.zip](#)

English

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### Product Specifications

#### Application Specification

English

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### Agency Approvals

#### VDE Certificate

English

#### VDE Certificate

English