

1586860-1 ✓ ACTIVE

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

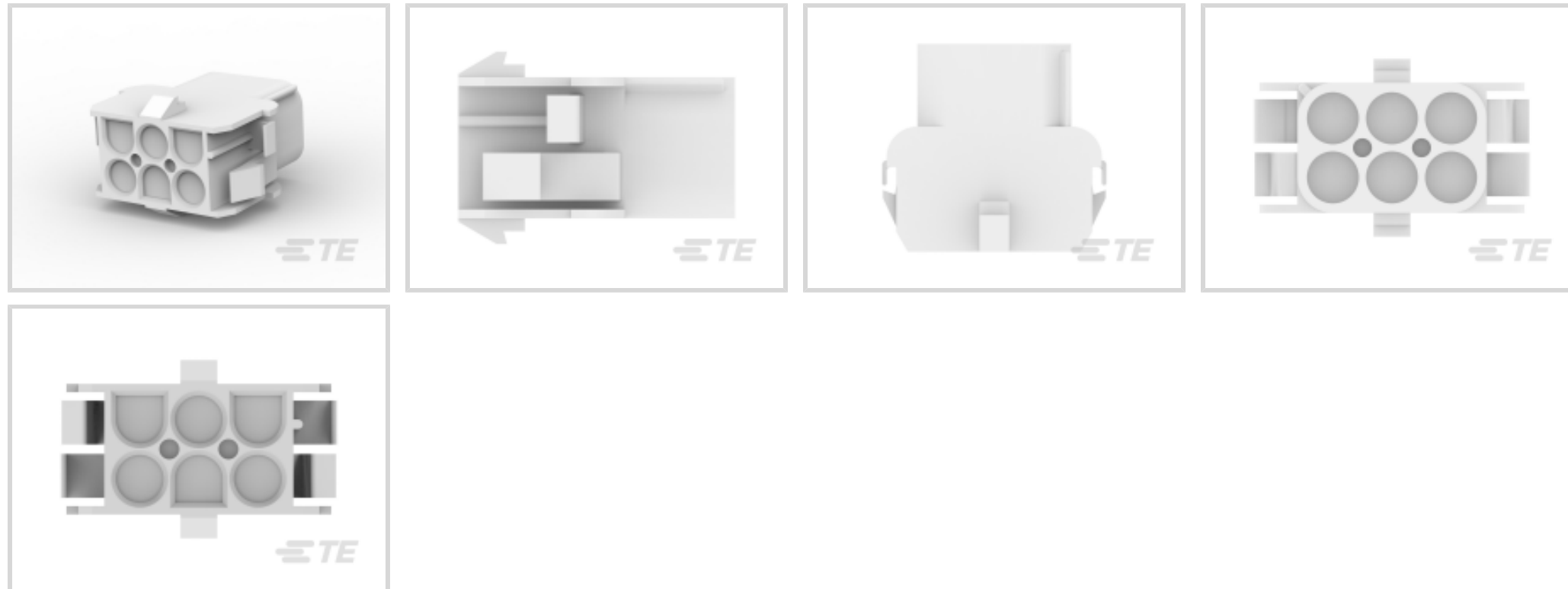
TE Internal #: 1586860-1

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

[View on TE.com >](#)



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **6**

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

## Features

### 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
-------------------	---------

### 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
------------------------------------	-------

### 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]
-----------------------------	-----------------------------

### Operation/Application

Circuit Application	Power & Signal
---------------------	----------------

### Industry Standards

UL Rating	Recognized
-----------	------------

Compatible With Agency/Standards Products	UL, VDE
---	---------

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

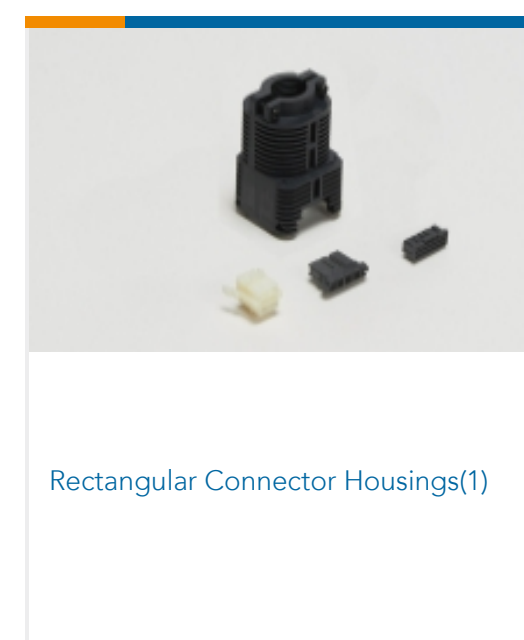
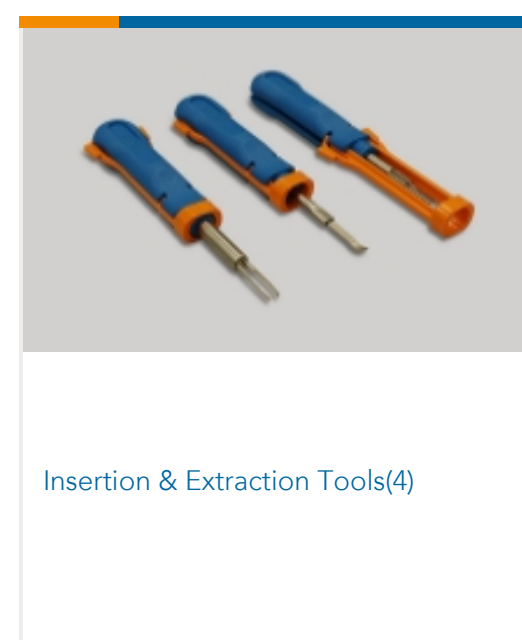
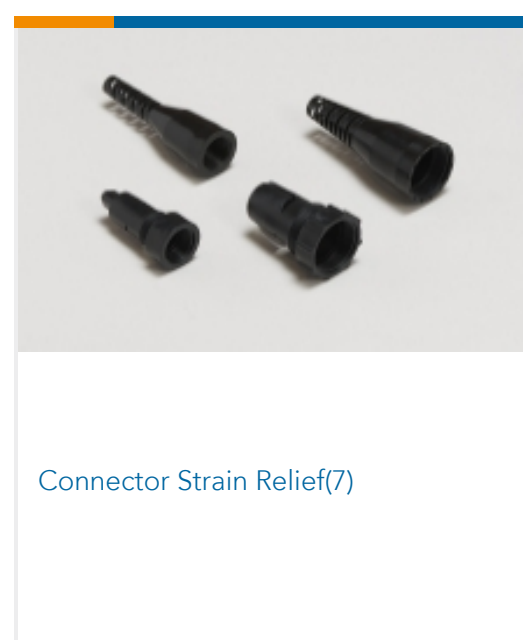
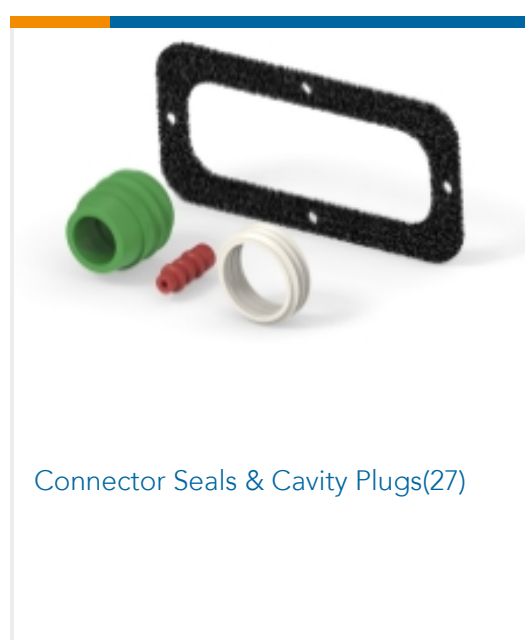
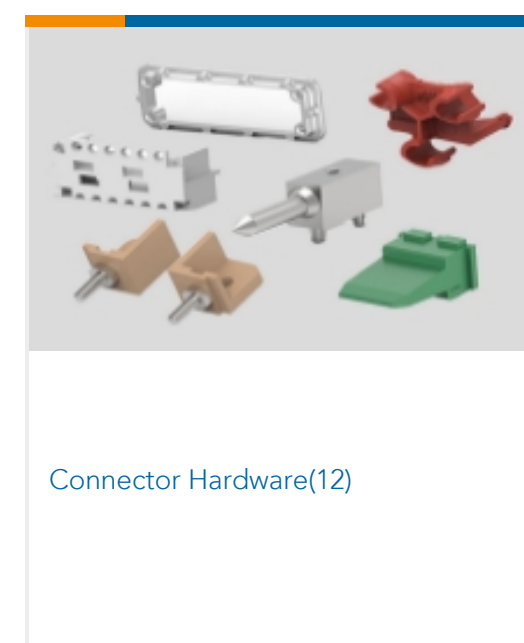
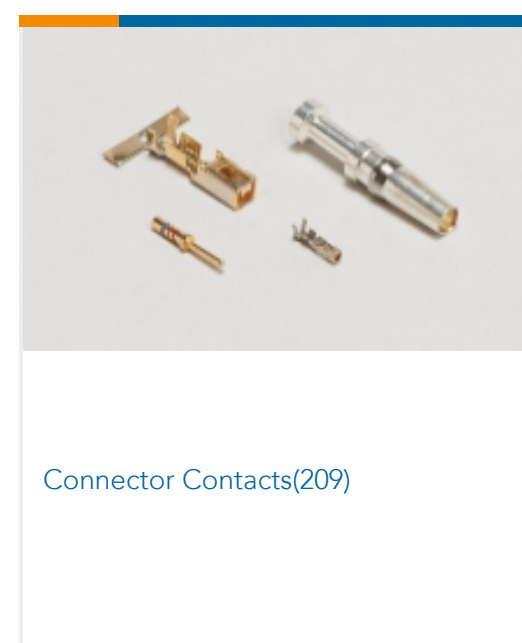
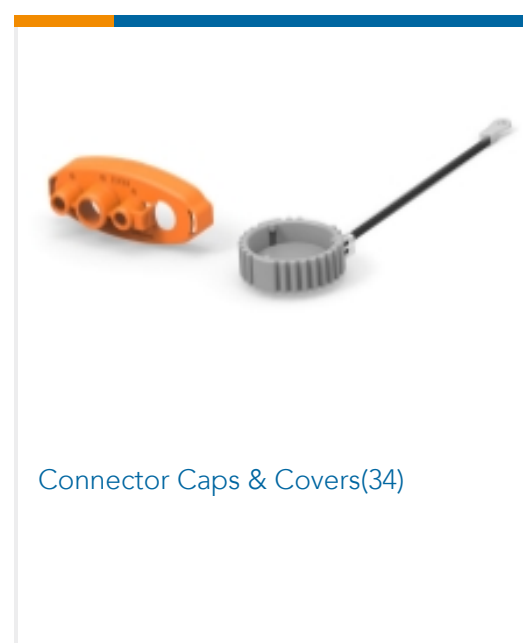
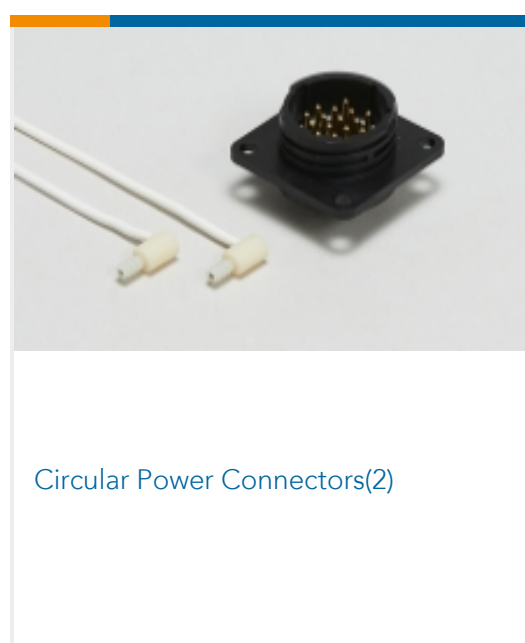
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



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







Rectangular Power Connectors(672)

### Customers Also Bought



TE Part #T4112002051-000  
M12,FEMALE,RA,A CODE,5P,PG9,  
GOLD



TE Part #1376397-1  
5MM POWER KEY D/L PLATE GREEN



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




TE Part #1586849-1  
03P UMNL CAP HSG NATL, GW



TE Part #1586856-1  
02P UMNL CAP HSG, GW



TE Part #770538-1  
04P .062 COMM P&S PLUG



TE Part #1-331414-1  
TERM,SOLIS, R, HD, 8, 5/16



TE Part #179466-1  
AMP POWER DBL LOCK CAP HSG 6P



TE Part #1969881-1  
06P UMNL CAP HSG, P/M, GW V0



TE Part #1-1825043-9  
UP3DTBNLA04,MICROSWITCH,SNAP

### Documents

**Product Drawings**  
[06P UMNL CAP HSG, GW](#)  
English

**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

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

---

**Product Specifications**

[Application Specification](#)

English

---

**Agency Approvals**

[VDE Certificate](#)

English