

1-480700-0 ✓ ACTIVE

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

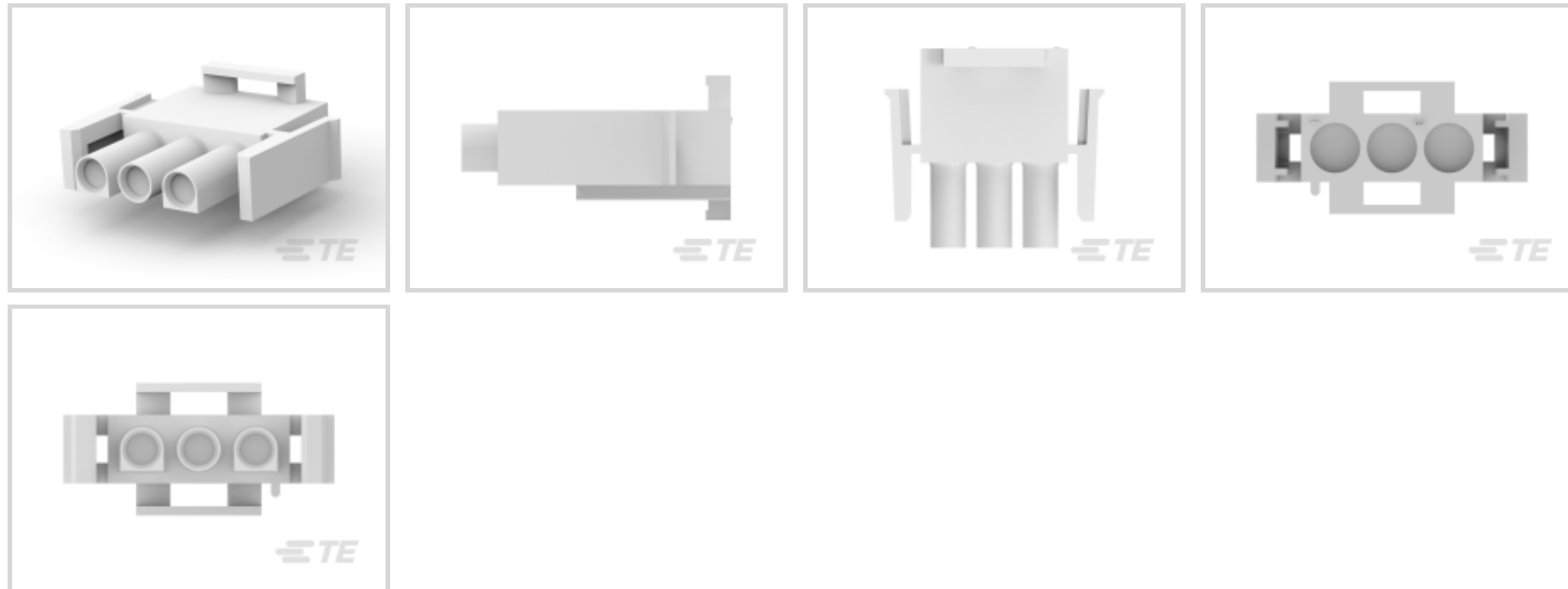
TE Internal #: 1-480700-0

Rectangular Power Connectors, Housing, Plug, Wire-to-Board /
Wire-to-Wire, 3 Position, 6.35 mm [.25 in] Centerline, Wire & Cable,
Universal MATE-N-LOK

[View on TE.com >](#)



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

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

Number of Positions: **3**

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

Features

Product Type Features

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

Configuration Features

Number of Positions	3
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC
-------------------	---------

Contact Features

Multiple Contact Types	Without
Contact Layout	Inline
Contact Retention Within Housing	Without

Contact Type	Socket
--------------	--------

Termination Features

Termination Method to Wire & Cable	Crimp
------------------------------------	-------

Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
-------------------------	----------------------------

Housing Features

Centerline (Pitch)	6.35 mm [.25 in]
--------------------	------------------

Housing Color	Natural
---------------	---------

Housing Material	Nylon
------------------	-------

Dimensions

Compatible Insulation Diameter Range	5.08 mm
--------------------------------------	---------

Usage Conditions

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

Operation/Application

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

Identification Marking

Circuit Identification Feature	With
--------------------------------	------

Industry Standards

CSA Rating	Certified, LR 16455
------------	---------------------

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

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

Compatible With Approved Standards Products	UL E28476
---	-----------

UL Flammability Rating	UL 94V-2
------------------------	----------

Glow Wire Rating	Standard Part - Not Glow Wire
------------------	-------------------------------

Packaging Features

Packaging Quantity	1
--------------------	---

Packaging Method	Package
------------------	---------

Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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: JAN 2024 (240) 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

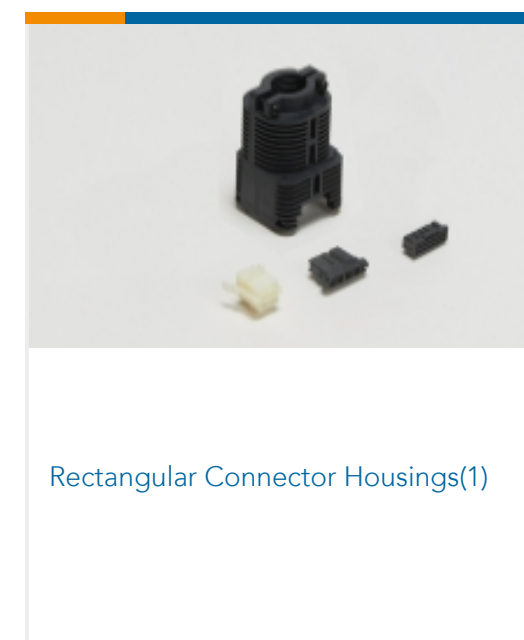
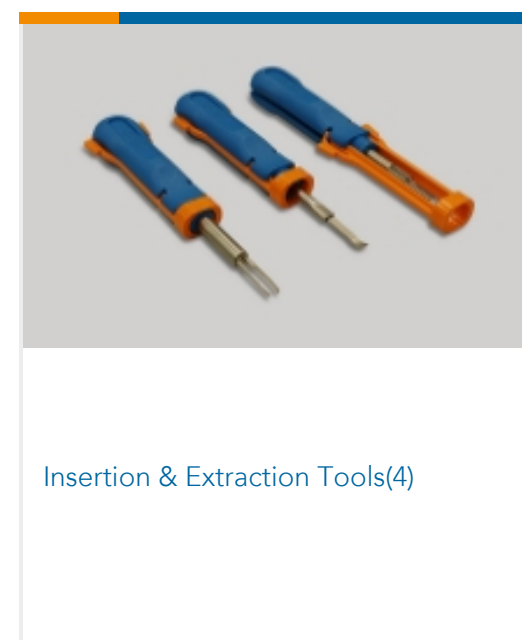
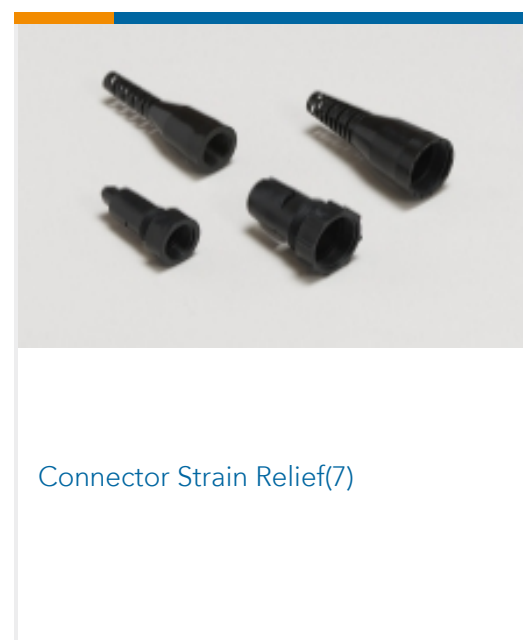
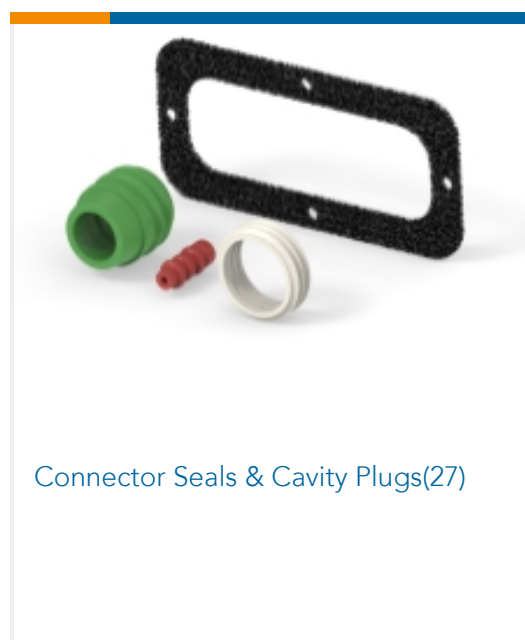
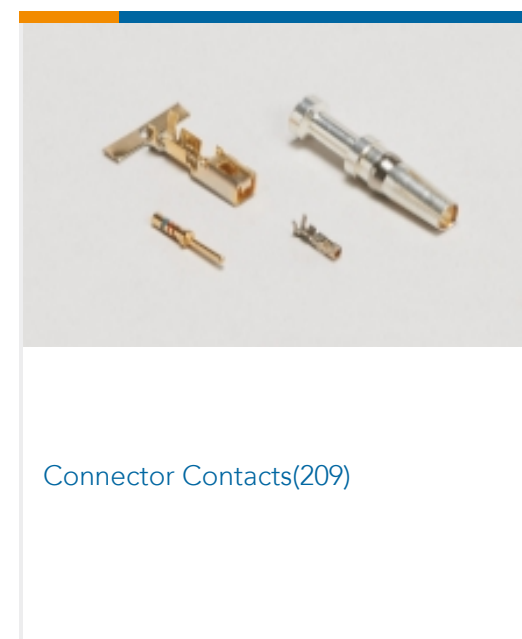
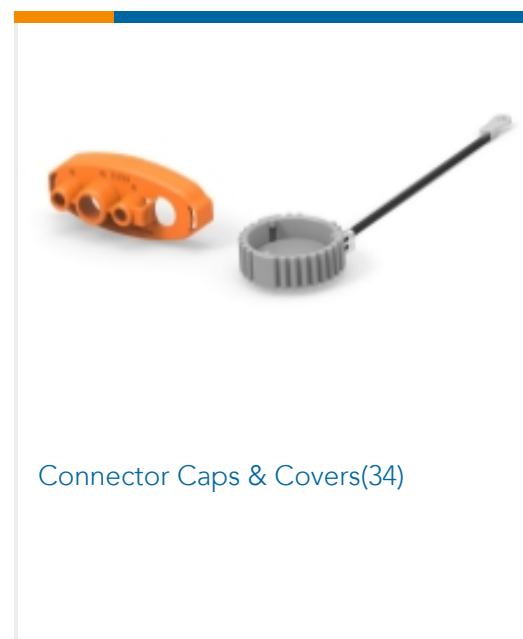
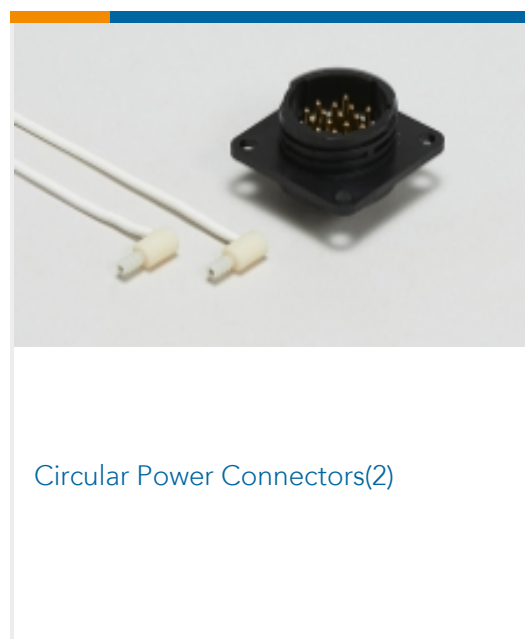
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

 <p>TE Part # 640309-6 UMNL PIN 12-10 AU/PHBZ</p>	 <p>TE Part # 350551-6 UMNL SOK 20-14 AU/PHBZ L/P</p>	 <p>TE Part # 926902-3 UNIV-MNL SPLIT ST</p>	 <p>TE Part # 350550-7 UMNL SOK 20-14 AU/BR L/P</p>
 <p>TE Part # 350690-3 UMNL PIN 24-18 PTPPHBZ L/P</p>	 <p>TE Part # 350689-7 UMNL SOK 24-18 AUBR L/P</p>	 <p>TE Part # 641945-1 03P UMNL STR/REL</p>	 <p>TE Part # 350547-7 UMNL PIN 20-14 AUBR L/P</p>



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





Rectangular Power Connectors(672)

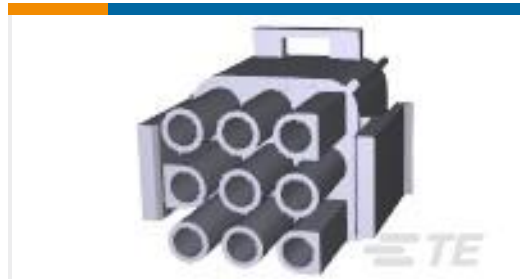


Standard Circular Connectors(1)

Customers Also Bought



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



TE Part #1-480706-0
09P UMNL PLUG HSG NATL



TE Part #1-480763-0
05P UMNL PLUG HSG NATL



TE Part #1-480702-0
04P UMNL PLUG HSG NATL



TE Part #1-480708-0
12P UMNL PLUG HSG NATL



TE Part #1-480705-0
06P UMNL CAP HSG NATL



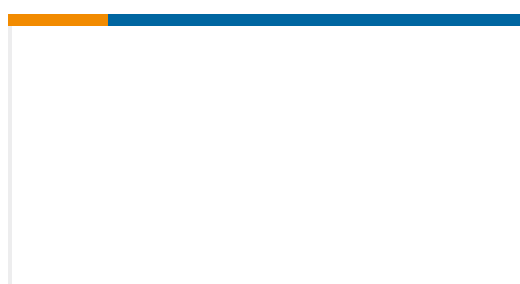
TE Part #1-480704-0
06P UMNL PLUG HSG NATL



TE Part #2271183-3
RECEPTACLE, 2PINS WIRE TO WIRE CONNECTOR



TE Part #356463-2
DOOR,RIGHT



TE Part #356464-2
GUARD, MODIFIED

Documents

Product Drawings

[03P UMNL PLUG HSG NATL](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-480700-0_BY.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_CVM_1-480700-0_BY.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-480700-0_BY.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY](#)

English

Product Specifications

[Application Specification](#)

English

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English

[Instruction Sheet \(U.S.\)](#)

English

Agency Approvals

[Agency Approval Document](#)

English

[Agency Approval Document](#)

English

[Agency Approval Document](#)

English