

# 06P UMNL PLUG HSG V2 NATL ✓ ACTIVE

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

TE Part # 640585-1

TE Internal #: 640585-1

[View on TE.com >](#)



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Product Type: **Housing**

Housing Type: **Plug**

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

Number of Positions: **6**

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

## Features

### Product Type Features

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

### Configuration Features

Number of Positions	6
Number of Rows	1

### Electrical Characteristics

Operating Voltage	600 VAC
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### Contact Features

Contact Layout	Inline
Multiple Contact Types	Without
Contact Retention	Without

### Termination Features

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

Panel Mount Feature	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

### Housing Features

Centerline (Pitch)	6.35 mm [.25 in]
UL Flammability Rating	UL 94V-2
Housing Color	Natural
Housing Material	Nylon

### Dimensions

Width	14.73 mm
Length	39.37 mm

### Usage Conditions

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

Assembly Integration Feature	Without
Circuit Application	Power & Signal

### Industry Standards

CSA Rating	Certified
Glow Wire Rating	Standard Part - Not Glow Wire
Agency/Standard Number	E28476
Agency/Standard	CSA, UL
UL Rating	Recognized
CSA File Number	LR7189
VDE Tested	Yes

### Packaging Features

Packaging Method	Package
Packaging Quantity	1

### Other

For Use With	Universal MATE-N-LOK Cap or Header
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## Product Compliance

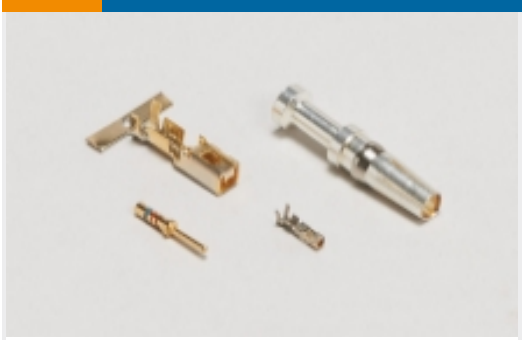
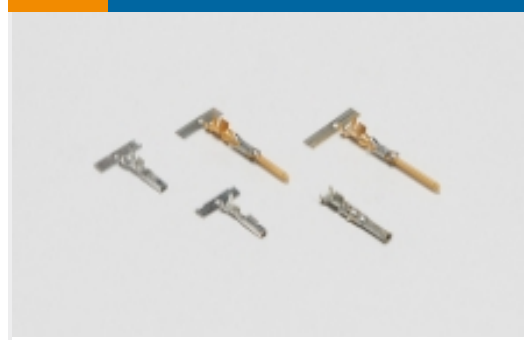

[For compliance documentation, visit the product page on TE.com>](#)

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: JAN 2019 (197) Candidate List Declared Against: JAN 2019 (197)
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

## Compatible Parts

		
Connector Contacts(7)	Power Contacts(144)	Rectangular Power Connectors(5)

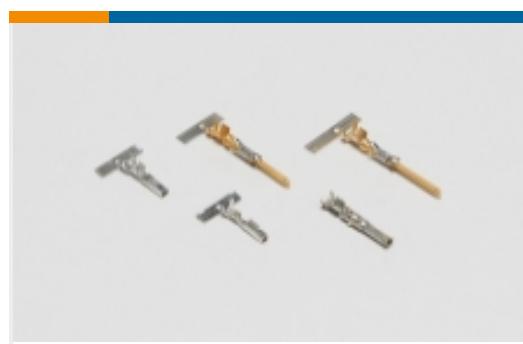
Also in the Series | **Universal MATE-N-LOK**



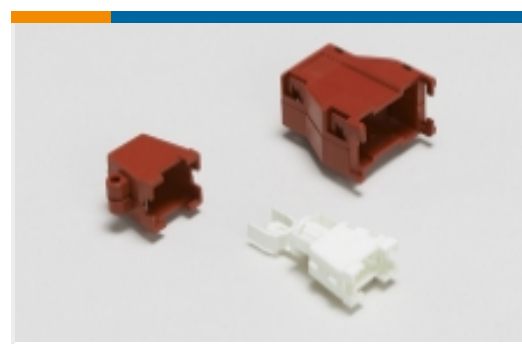
Circular Power Connectors  
(2)



Connector Contacts(11)



Power Contacts(208)



Rectangular Boots & Strain Relief(35)



Rectangular Connector Adapters(7)



Rectangular Connector Housings(3)



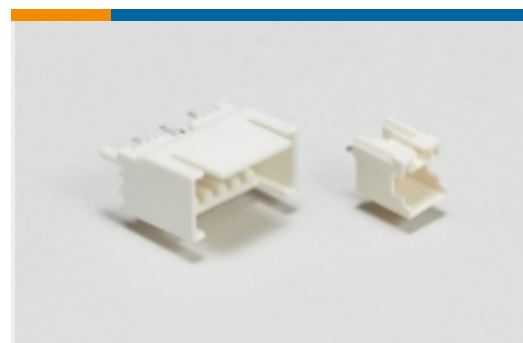
Rectangular Connector Keying Plugs(3)



Rectangular Connector Seals(26)



Rectangular Power Connectors(717)



Wire-to-Board Headers & Receptacles(3)

## Customers Also Bought



TE Part #926307-1  
6P UNIV.M-N-L.CAP



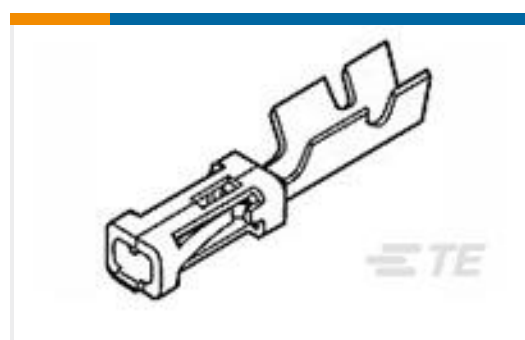
TE Part #770018-1  
03P UMNLII IN-LNE PLUG HSG KIT



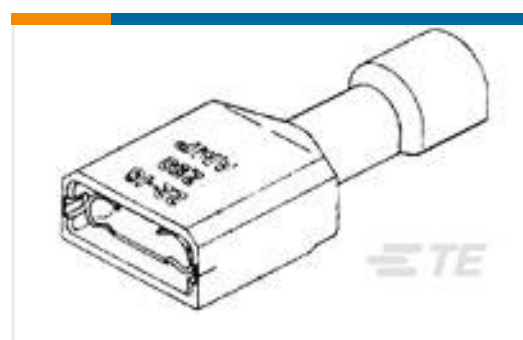
TE Part #640586-1  
08P UMNL PLUG HSG V2 NATL



TE Part #350922-3  
PIN, MATE-N-LOK, UMNL



TE Part #87809-1  
MOD V RECP PLTD 30 AU



TE Part #3-520150-2  
ULTRA-FAST 187 ASY REC 16-14 AWG TPBR



TE Part #3-520140-2  
ULTRA-FAST 250 ASY REC 16-14 AWG TPBR



TE Part #350538-1  
UMNL PIN 20-14 .0126 PTPBR



## Documents

### Product Drawings

[06P UMNL PLUG HSG V2 NATL](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_640585-1\\_T.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_640585-1\\_T.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_640585-1\\_T.3d\\_stp.zip](#)

English

### 3D PDF

English

### Datasheets & Catalog Pages

[SOFT\\_SHELL\\_PIN\\_SOCKET\\_CONNECTORS\\_STANDARD\\_DENSITY](#)

English

### Product Specifications

[Application Specification](#)

English

### Product Environmental Compliance

[TE Material Declaration](#)

English

### Instruction Sheets

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

English

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

English

### Agency Approvals

[UL Report](#)



English