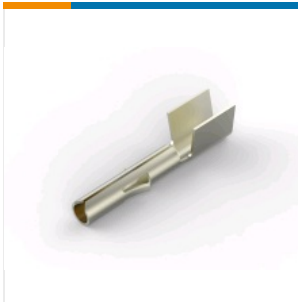




# POWER CONTACTS



## TE CONNECTIVITY (TE) UMNL SOK 12-10 AU/PHBZ MATE-N-LOK | Universal MATE-N-LOK

640310-6  
TE Internal Number: 640310-6

Always EU RoHS/ELV Compliant

Product Type **Contact**

Contact Current Rating (A) **19**

Operating Voltage (VAC) **600**

Wire/Cable Size (AWG) **12 – 10**

Wire/Cable Size (mm<sup>2</sup>) **3 – 6**

Active

PRODUCT DRAWING  
English

3D PDF

### Product Drawings

#### SOCKET UNIVERSAL MATE-N-LOK LOOSE PIECE

PDF  
English

### CAD Files

3D PDF  
PDF  
English

#### Customer View Model

2D\_DXF.ZIP  
English

#### Customer View Model

3D\_IGS.ZIP  
English

#### Customer View Model

3D\_STP.ZIP  
English

### Catalog Pages/Data Sheets

#### SOFT\_SHELL\_PIN\_SOCKET\_CONNECTORS\_STANDARD\_DENSITY

PDF  
English

### Product Specifications

Application Specification

#### Universal MATE-N-LOK Connectors

PDF  
English

Engineering Report

#### Softshell Pin & Socket Contacts

PDF  
English

### Product Environmental Compliance

TE Material Declaration

#### MD\_640310-6\_0918201536\_dmtec

PDF  
English

### Instruction Sheets

Instruction Sheet (U.S.)

#### Universal, Commercial, And .140 MATE-N-LOK Contact And Housing Selection





Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

Product Type Features	Product Type	Contact
Electrical Characteristics	Contact Current Rating (A)	<b>19</b>
	Operating Voltage (VAC)	<b>600</b>
Contact Features	Contact Type	<b>Socket</b>
	Contact Base Material	<b>Phosphor Bronze</b>
	Contact Mating Area Plating Material	<b>Gold</b>
	Contact Mating Area Plating Thickness	<b>.76 µm [ 29.92 µin ]</b>
	Underplate Material	<b>Nickel</b>
	Underplate Material Thickness	<b>1.27 µm [ 50 µin ]</b>
Termination Features	Wire/Cable Size (AWG)	<b>12 – 10</b>
	Wire/Cable Size (mm <sup>2</sup> )	<b>3 – 6</b>
	Termination Type	<b>Crimp</b>
Mechanical Attachment	Contact Retention in Housing	<b>With</b>
	Contact Retention in Housing Type	<b>Locking Lance</b>
Dimensions	Accepts Wire Insulation Diameter Range	<b>5.08 mm [ .2 in ]</b>
Operation/Application	Operating Temperature Range	<b>-55 – 125 °C [ -67 – 257 °F ]</b>
	Connector System	<b>Wire-to-Wire</b>
Industry Standards	Glow Wire Rating	<b>Standard Part - Not Glow Wire</b>
	UL File Number	<b>E28476</b>
	Agency/Standard	<b>CSA, UL</b>
	VDE Tested	<b>Yes</b>
	CSA File Number	<b>LR 7189</b>
	UL Rating	<b>Recognized</b>
	CSA Rating	<b>Certified</b>

Packaging Features	Packaging Method	<b>Bag</b>
	Packaging Quantity	<b>1000</b>
Other	For Use With	<b>Universal MATE-N-LOK Plug or Cap Housing</b>
	Wire/Cable Type	<b>Discrete Wire</b>
	Wire Type	<b>Stranded</b>

Product Compliance [Statement of Compliance PDF](#)  
[VIEW ALL PRODUCT COMPLIANCE](#)

## CUSTOMERS ALSO BOUGHT

THROUGH-HOLE RESISTORS	SURFACE MOUNT RESISTORS	CRIMP QUICK DISCONNECTS	RECTANGULAR POWER CONNECTORS
 <p><b>YR1 0.1% 487K</b> YR1B487KCC</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	 <p><b>CRGH2512 5% 330R 2W</b> CRGH2512J330R</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	 <p><b>FASTON REC./L.P./BRASS TIN PL</b> 180367-2</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	 <p><b>09P UMNL PIN HDR ASSY NATL LF</b> 350432-4</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>

Products - 207 Results

[View All](#)

[Compare 0/10](#)

Relation Type ▼

### RELATIONSHIP

#### Housings

Identifies Housings compatible with a given Contact

[See All Housings](#)

PRODUCT - HOUSINGS		
	<p>Connectors - Rectangular Power Connectors MATE-N-LOK   Universal MATE-N-LOK</p> <p><b>04P UMNL V0 CAP HSG</b> <b>BLACK - 1-350780-9</b></p> <p>TE INTERNAL NUMBER: 1-350780-9</p> <p>✓ Active</p>	<p>Always EU RoHS/ELV Compliant</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">✓</div>

RELATIONSHIP

## Housings

Identifies Housings compatible with a given Contact

[See All Housings](#)

PRODUCT - HOUSINGS



Connectors - Rectangular Power Connectors  
MATE-N-LOK | Universal MATE-N-LOK

### 01P UMNL PLUG HSG

### NATL - 1-350867-0

TE INTERNAL NUMBER: 1-350867-0

✓ Active

Always EU RoHS/ELV Compliant



RELATIONSHIP

## Housings

Identifies Housings compatible with a given Contact

[See All Housings](#)

PRODUCT - HOUSINGS



Connectors - Rectangular Power Connectors  
MATE-N-LOK | Universal MATE-N-LOK

### 15P UMNL CAP HSG BLK

### - 1-480711-9

TE INTERNAL NUMBER: 1-480711-9

✓ Active

Always EU RoHS/ELV Compliant

Product Type **Housing**

Housing Type **Receptacle**

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

**Wire-to-Wire**

Applies To **Panel, Wire/Cable**

Number of Positions **15**

