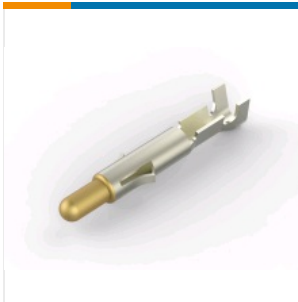




# POWER CONTACTS



TE CONNECTIVITY (TE)

## UMNL PIN 24-18 AUBR L/P

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

350690-7

TE Internal Number: 350690-7

Always EU RoHS/ELV Compliant

Product Type **Contact**

Contact Current Rating (A) **19**

Operating Voltage (VAC) **600**

Wire/Cable Size (AWG) **24 – 18**

Wire/Cable Size (mm<sup>2</sup>) **.2 – .8**

Active

3D PDF

### Product Drawings

[PIN, \(LOOSE PIECE\) UNIVERSAL MATE N LOK](#)

TIF  
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\\_350690-7\\_05082015223\\_dmtec](#)

PDF  
English

### Instruction Sheets

Instruction Sheet (U.S.)

[Universal, Commercial, And .140 MATE-N-LOK Contact And Housing Selection Charts](#)

PDF  
English

Please review product documents or [contact us](#) for the latest agency approval information.

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>Pin</b>
	Contact Base Material	<b>Brass</b>
	Contact Mating Area Plating Material	<b>Gold</b>
	Contact Mating Area Plating Thickness	<b>.76 <math>\mu\text{m}</math> [ 29.92 <math>\mu\text{in}</math> ]</b>
	Underplate Material	<b>Nickel</b>
	Underplate Material Thickness	<b>1.27 <math>\mu\text{m}</math> [ 50 <math>\mu\text{in}</math> ]</b>
	Contact Design	<b>Solid</b>
Termination Features	Wire/Cable Size (AWG)	<b>24 – 18</b>
	Wire/Cable Size (mm <sup>2</sup> )	<b>.2 – .8</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>1.02 – 2.54 mm [ .04 – .1 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>
	VDE Tested	<b>Yes</b>
	Agency/Standard	<b>CSA, UL</b>
	UL File Number	<b>E28476</b>
	CSA File Number	<b>LR 16455</b>
	UL Rating	<b>Recognized</b>
	CSA Rating	<b>Certified</b>

Packaging Features	Packaging Method	<b>Bag</b>
	Packaging Quantity	<b>1000</b>
Other	Wire/Cable Type	<b>Discrete Wire</b>
	Wire Type	<b>Stranded</b>
	For Use With	<b>Splash Proof Seal and Universal Mate-N-LOK Plug and Cap Housing</b>

Product Compliance

[Statement of Compliance PDF](#)

[VIEW ALL PRODUCT COMPLIANCE](#)

Products - 207 Results

[View All](#)

[Compare 0/10](#)

Relation Type ▼

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

**09P UMNL PLUG HSG  
UL94VO - 350720-4**

TE INTERNAL NUMBER: 350720-4

✓ Active

Always EU RoHS/ELV Compliant

Product Type **Housing**

Housing Type **Plug**

Connector System **Wire-to-Board**

Applies To **Wire/Cable**

Number of Positions **9**

RELATIONSHIP

### Housings

Identifies Housings compatible with a given Contact

[See All Housings](#)

PRODUCT - HOUSINGS



Connectors - Rectangular Connector Housings  
MATE-N-LOK | Universal MATE-N-LOK

**12P UMNL CAP HSG BLU  
- 1-480709-6**

TE INTERNAL NUMBER: 1-480709-6

✓ Active

Always EU RoHS/ELV Compliant

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

Centerline **6.35 mm**

Row-to-Row Spacing **6.35 mm**

Number of Positions **12**

Number of Rows **3**

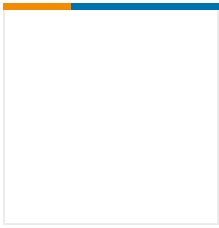
RELATIONSHIP

## Housings

Identifies Housings compatible with a given Contact

[See All Housings](#)

PRODUCT - HOUSINGS



Connectors - Rectangular Connector Housings  
MATE-N-LOK I Universal MATE-N-LOK

**09P UMNL CAP HSG,  
P/MT, V0, ORANGE  
- 1-794761-3**

TE INTERNAL NUMBER: 1-794761-3

✓ Active

Always EU RoHS/ELV Compliant

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

Centerline **6.35 mm**

Row-to-Row Spacing **6.35 mm**

Number of Positions **9**

Number of Rows **3**