+ CONNECTORS

# POWER CONTACTS

**TE CONNECTIVITY (TE)**

## UMNL II PIN AUSN/NI/BR

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

**1-770005-0**
TE Internal Number: 1-770005-0

**Always EU RoHS/ELV Compliant**

Product Type **Contact**

Operating Voltage (VAC) **600**

Wire/Cable Size (AWG) **20 – 14**

Wire/Cable Size (mm²) **.5 – 2**

Contact Type **Pin**

✔ Active

⬇ **PRODUCT DRAWING**
English

⬇ **3D PDF**

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| Product Drawings | PIN, UNIVERSAL MATE-N-LOK(TM) II |
| --- | --- |
| | PDF |
| | **English** |

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| CAD Files | Customer View Model |
| --- | --- |
| | 2D_DXF.ZIP |
| | **English** |
| | 3D PDF |
| | PDF |
| | **3D** |
| | Customer View Model |
| | 3D_IGS.ZIP |
| | **English** |
| | Customer View Model |
| | 3D_STP.ZIP |
| | **English** |

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| Catalog Pages/Data Sheets | SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY |
| --- | --- |
| | PDF |
| | **English** |

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## Product Specifications

| Product Specification | Connector, Universal MATE-N-LOK II |
| --- | --- |
| | PDF |
| | **English** |
| Application Specification | Universal MATE-N-LOK II Connectors |
| | PDF |
| | **English** |

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

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| Product Type Features | Product Type | **Contact** |
| --- | --- | --- |

| | | |
|---|---|---|
| Electrical Characteristics | Operating Voltage (VAC) | **600** |
| | | |
| Contact Features | Contact Type | **Pin** |
| | Contact Base Material | **Brass** |
| | Contact Mating Area Plating Material | **Gold** |
| | Contact Mating Area Plating Thickness | **.76 µm [ 30 µin ]** |
| | Underplate Material | **Nickel** |
| | Underplate Material Thickness | **1.27 µm [ 50 µin ]** |
| | | |
| Termination Features | Wire/Cable Size (AWG) | **20 – 14** |
| | Wire/Cable Size (mm²) | **.5 – 2** |
| | Termination Type | **Crimp** |
| | | |
| Mechanical Attachment | Contact Retention in Housing | **Without** |
| | | |
| Dimensions | Accepts Wire Insulation Diameter Range | **3.3 – 5.1 mm [ .13 – 2 in ]** |
| | | |
| Operation/Application | Operating Temperature Range | **-55 – 120 °C [ -67 – 248 °F ]** |
| | Connector System | **Wire-to-Wire** |
| | | |
| Industry Standards | Glow Wire Rating | **Standard Part - Not Glow Wire** |
| | UL File Number | **E28476** |
| | Agency/Standard | **CSA, UL** |
| | VDE Tested | **Yes** |
| | CSA File Number | **LR 7189** |
| | UL Rating | **Recognized** |
| | CSA Rating | **Certified** |
| | | |
| Packaging Features | Packaging Method | **Reel** |
| | Packaging Quantity | **2500** |
| | | |
| Other | For Use With | **Standard Universal MATE-N-LOK(Socket)** |
| | Wire/Cable Type | **Discrete Wire** |
| | Wire Type | **Stranded** |
| | | |
| Product Compliance | Statement of Compliance PDF | |

# CUSTOMERS ALSO BOUGHT

| AUTOMOTIVE, TRUCK, BUS, & OFF-ROAD HOUSINGS | SPLICES | OCEAN APPLICATORS | CRIMP QUICK DISCONNECTS |
|---|---|---|---|
| 070 MULTILOCK PLUG 12P | 22-18 PRE-INSUL SEALED SPLICE | OC-AT-S-FM-090F120O-001-0021 | .250 FF REC W/O LATCH |
| 173851-1 | 55824-1 | 2151101-1 | 170258-1 |
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**Products** - 15 Results

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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
### 06P UMNLII IN-LINE CAP HSG KIT - 770027-1
TE INTERNAL NUMBER: 770027-1

✔ 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 **6**

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
### 05P UMNLII IN-LNE PLUG HSG KIT - 770016-1
TE INTERNAL NUMBER: 770016-1

Always EU RoHS/ELV Compliant

Product Type **Housing**

Housing Type **Plug**

Connector System **Wire-to-Wire**

Applies To **Wire/Cable**

✔ Active

Number of Positions **5**

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## Housings
Identifies Housings compatible with a given Contact

See All Housings

PRODUCT - HOUSINGS

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

### 12P UMNLII IN-LINE CAP HSG KIT - 770029-1
TE INTERNAL NUMBER: 770029-1

✔ Active

Always EU RoHS/ELV Compliant

Product Type **Housing**

Housing Type **Receptacle**

Connector System **Wire-to-Wire**

Applies To **Panel, Wire/Cable**

Number of Positions **12**