



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

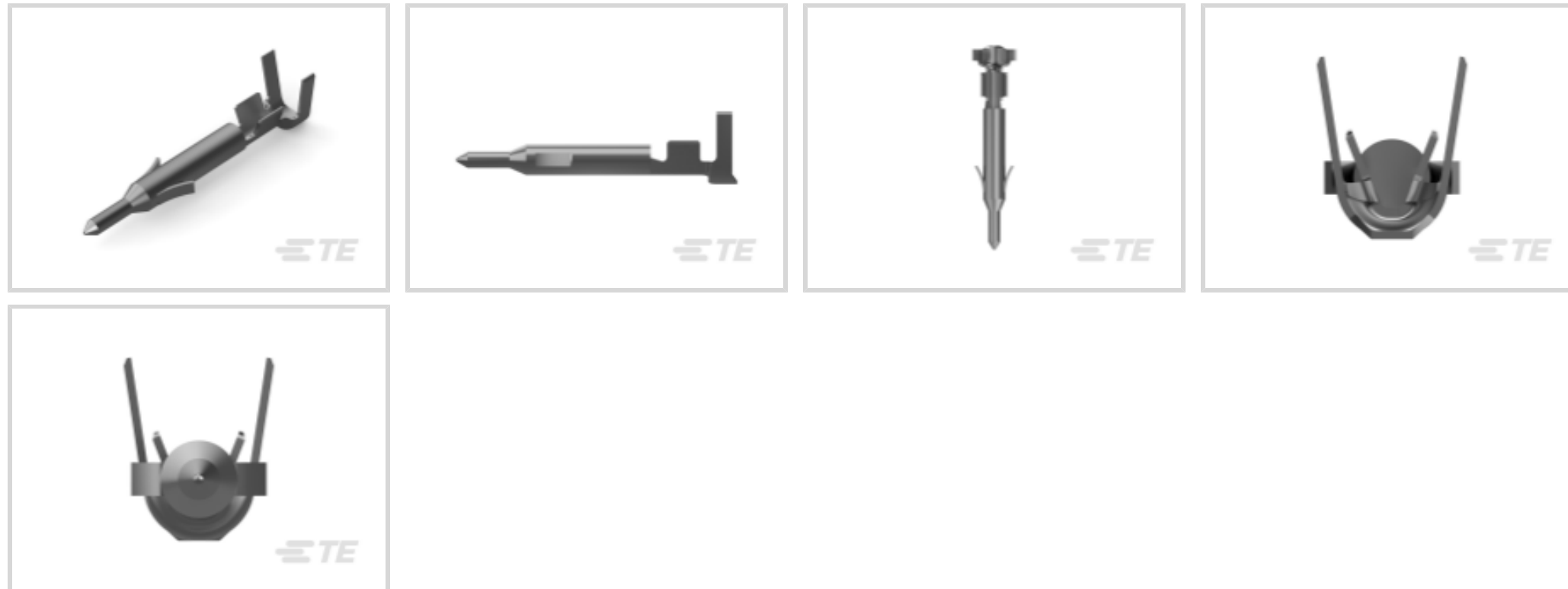
TE Internal #: 170360-1

Tin (Sn), Pin Contact, 22 – 18 AWG, 600 VAC, 600 VDC, .3 – .89 mm²

Wire, Crimp, Brass, Power, -20 – 105 °C [-4 – 221 °F], Mini-Universal MATE-N-LOK

[View on TE.com >](#)

Connectors > Contacts > Connector Contacts



Contact Type: **Pin**

Contact Mating Area Plating Material: **Tin (Sn)**

Wire Contact Termination Area Plating Material: **Pre-Tin**

Operating Voltage: **600 VDC**

Features

Product Type Features

| | |
|--------------------|----------|
| Discrete Wire Type | Stranded |
|--------------------|----------|

Electrical Characteristics

| | |
|-------------------|---------|
| Operating Voltage | 600 VDC |
|-------------------|---------|

Contact Features

| | |
|---|-------------------|
| Barrel Type | Open |
| Contact Type | Pin |
| Contact Mating Area Plating Material | Tin (Sn) |
| Wire Contact Termination Area Plating Material | Pre-Tin |
| Contact Retention Within Housing | With |
| Contact Base Material | Brass |
| Contact Current Rating (Max) | 7 A |
| Mating Pin Diameter | 1 mm [.039 in] |
| Contact Mating Area Plating Material Thickness | .8 μm [31.49 μin] |
| Wire Contact Termination Area Plating Thickness | .8 μm [31.49 μin] |
| Wire Contact Termination Area Plating Material Finish | Matte |



| | |
|---------------------|----------|
| Contact Orientation | Straight |
|---------------------|----------|

Termination Features

| | |
|------------------------------------|--------------|
| Termination Method to Wire & Cable | Crimp |
| Product Terminates To | Wire & Cable |

Mechanical Attachment

| | |
|-------------------------|---------|
| Wire Insulation Support | Without |
|-------------------------|---------|

Dimensions

| | |
|--------------------------------------|--------------------------|
| Wire Size | .3 – .89 mm ² |
| Compatible Insulation Diameter Range | 3.4 mm [.134 in] |

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -20 – 105 °C [-4 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

| | |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

Industry Standards

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

Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 4000 |
| Packaging Method | Reel |

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 | 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| Solder Process Capability | Not reviewed 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

TE Part # 1-172332-4
MINI U-M-N-L CAP 9P YELLOW

TE Part # 1-172158-2
MINI-U-M-N-L 3P CAP RED

TE Part # 1-172330-9
UNIVERSAL MATE-N-LOK CAP 4P

TE Part # 1-172344-4
MINI U-M-N-L CAP F/H 3P YELLOW

TE Part # 770904-2
MINI UMNL SOK 22-18 AWG UNPLTD

TE Part # 8-170361-2
MINI UNIVERSAL M-N-L SOCKET

TE Part # 770903-5
MINI UMNL PIN 22-18 AWG UNPLTD

TE Part # 8-170359-4
MINI UNIVERSAL MATE N LOK PIN.
26-22 AWG

TE Part # 2354053-2
MINI UMNL PIN 20-18 AWG SN LP

TE Part # 8-170359-1
MINI UNIVERSAL MATE N LOK PIN.
26-22 AWG

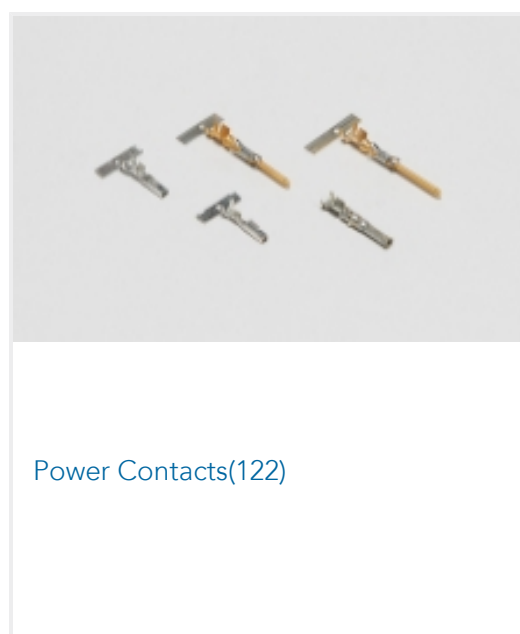
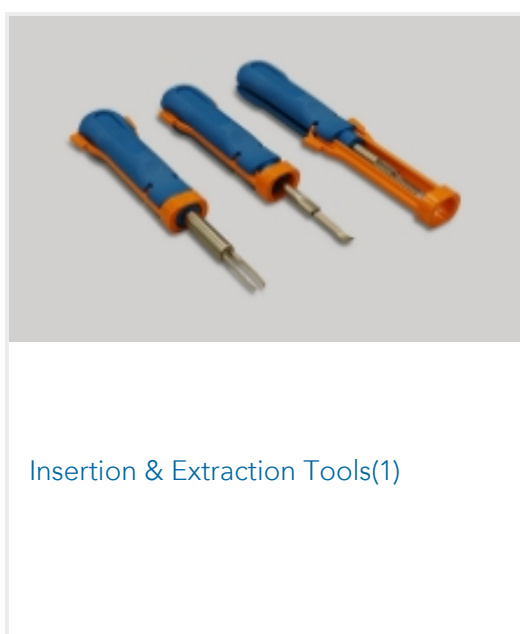
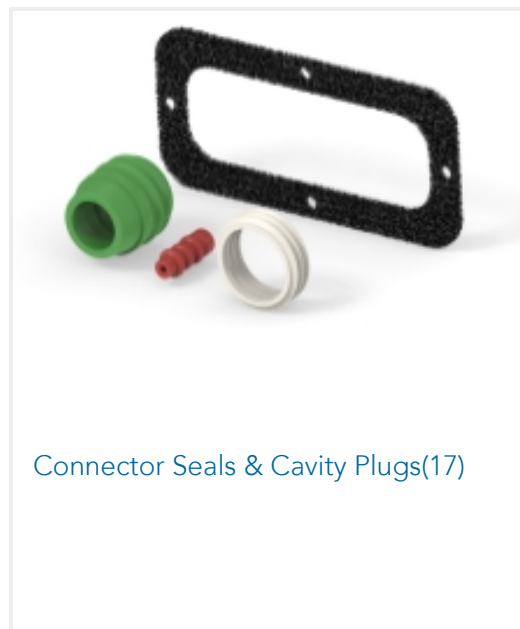
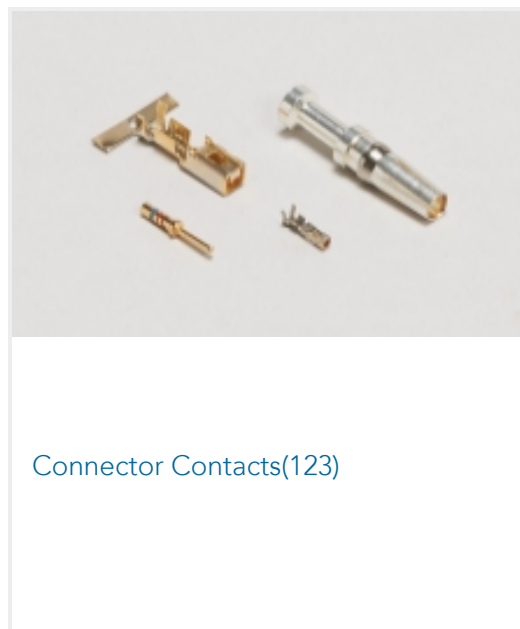
KIT
REPRESENTATION ONLY

TE Part # 7-2410765-7
OCEAN_2.0_SPARE_PART_KIT-
102F141F

TE Part # 47812
DIES SOLIS 22-16 DIE SET



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



Customers Also Bought



Documents

Product Drawings

[UNIV M-N-L PIN 22-18 AWG](#)

English

CAD Files

[3D PDF](#)

English

Customer View Model

[ENG_CVM_170360-1_H.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_170360-1_H.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_170360-1_H.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages



[mini-universal-mate-n-lok-connectors](#)

English

Product Specifications

[Application Specification](#)

English

[Crimping of Mini-Universal MATE-N-LOK Contact](#)

Japanese

[Application Specification](#)

Japanese

Instruction Sheets

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

Japanese

[Mini-Universal MATE-N-LOK Connector](#)

Japanese

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

English

[MINI UNIVERSAL MATE-N-LOK CONNECTOR](#)

English

Agency Approvals

[UL Report](#)

English