# 770210-1 ✔ ACTIVE

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

TE Internal #: 770210-1

Tin (Sn), Pin Contact, 24 – 18 AWG, 600 VAC, .2 – .82 mm² Wire, Locking Lance Contact Retention, Crimp, Brass, Power, 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 VAC**

Contact Retention Within Housing: **With**

## Features

### Product Type Features

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

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 600 VAC |

### Contact Features

| | |
|---|---|
| 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) | 19 A |
| Mating Pin Diameter | 2.13 mm[.084 in] |
| Contact Orientation | Straight |

### Termination Features

| | |
|---|---|
| Termination Method to Wire & Cable | Crimp |

| | |
|---|---|
| Product Terminates To | Wire & Cable |

### Mechanical Attachment

| | |
|---|---|
| Contact Retention Type Within Housing | Locking Lance |
| Wire Insulation Support | Without |

### Dimensions

| | |
|---|---|
| Wire Size | .2 – .82 mm² |
| Compatible Insulation Diameter Range | 1.52 – 3.3 mm[.06 – .13 in] |

### Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -55 – 125 °C[-67 – 257 °F] |

### Operation/Application

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

### Industry Standards

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

### Packaging Features

| | |
|---|---|
| Packaging Quantity | 5000 |
| 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 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>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 applicable for solder process capability |

Product Compliance Disclaimer

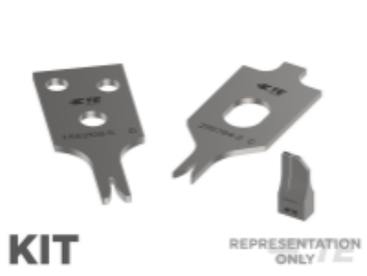
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as

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 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

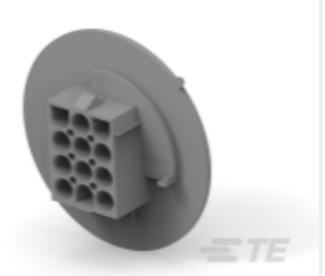
# Compatible Parts



TE Part # 1-350766-3
03P UMNL V0 PLUG HSG ORANGE




TE Part # 7-2836346-7
OCEAN_2.0_SPARE_PART_KIT-070F130F



TE Part # 1-794762-8
12P UMNL CAP HSG,PAN MNT,GRAY



TE Part # 2836346-2
OCEAN_2.0_APPLICATOR-S-070F130F-RSA



TE Part # 350735-4
12P UMNL PLUG HSG UL94VO



TE Part # 350783-1
12P UMNL CAP HSG



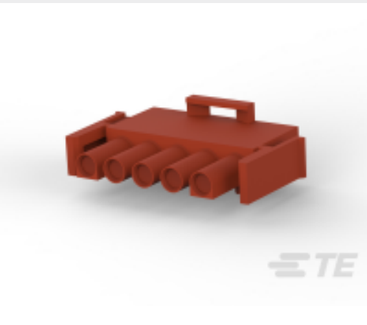
TE Part # 350784-1
15P UMNL CAP HSG



TE Part # 350720-1
09P UMNL PLUG HSG



TE Part # 350767-1
03P UMNL CAP HSG V0



TE Part # 480763-1
05P UMNL PLUG HSG BRN



TE Part # 480764-9
05P UMNL CAP HSG BLK



TE Part # 1-480701-9
03P UMNL CAP HSG BLK



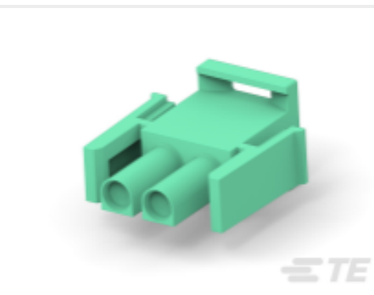
TE Part # 1-350720-1
09P UMNL V0 PLUG HSG BROWN



TE Part # 1-480709-4
12P UMNL CAP HSG YELL



TE Part # 1-480701-0
03P UMNL CAP HSG NATL



TE Part # 1-350777-5
02P UMNL V0 PLUG HSG GREEN



TE Part # 1-350735-1
12P UMNL V0 PLUG HSG BROWN



TE Part # 1-480707-2
09P UMNL CAP HSG RED

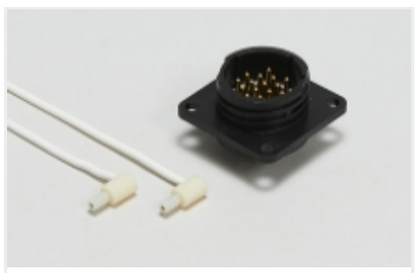


TE Part # 1-480711-1
15P UMNL CAP HSG BRN



TE Part # 1-480706-9
09P UMNL PLUG HSG BLK

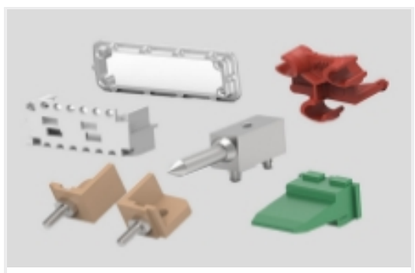
## Also in the Series | Universal MATE-N-LOK



Circular Power Connectors(2)



Connector Contacts(206)



Connector Hardware(12)



Power Contacts(206)



Rectangular Power Connectors(642)

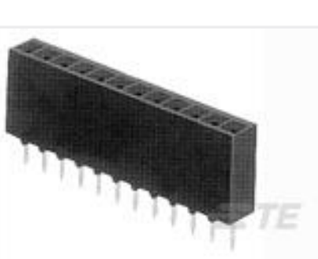


Standard Circular Connectors(1)

## Customers Also Bought



TE Part #163555-6
MATENLOK PIN



TE Part #829265-3
3P HV100 REC.CON. B/TE,6.2,NO KINK



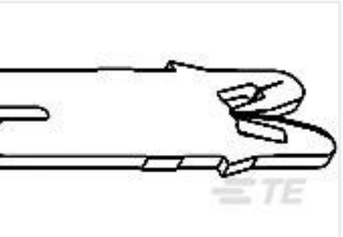
TE Part #925076-7
4W CIRCULAR MATE-N-LOK SOCKET HSG NAT



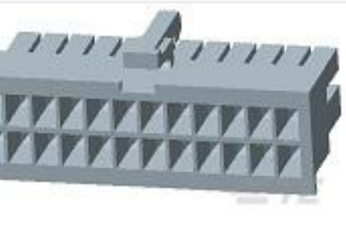
TE Part #2-1393480-8
V23529B1122B209=SUB D FEDERLEI



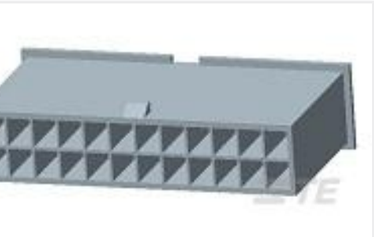
TE Part #3-1418448-2
3POS MCP1.5k REC HSG CO MID POS CLOSED



TE Part #1601108-1
131-179-000=WIRE2WIRE,STD,SMZ



TE Part #1969603-4
4P RCPT VAL-U-LOK GW



TE Part #1969604-4
4P FH PLUG VAL-U-LOK FH GW



TE Part #2005250-1
PDL 3P CAP 3.96 P/M(GWT) NAT



TE Part #5227161-1
RTANG JK W/MTG PINS, BNC PCB

# Documents

## Product Drawings

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_770210-1_K.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_770210-1_K.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_770210-1_K.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

## Datasheets & Catalog Pages

SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY

English

## Product Specifications

Application Specification

English

## Agency Approvals

VDE Certificate

English