

640310-6 ✓ ACTIVE

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

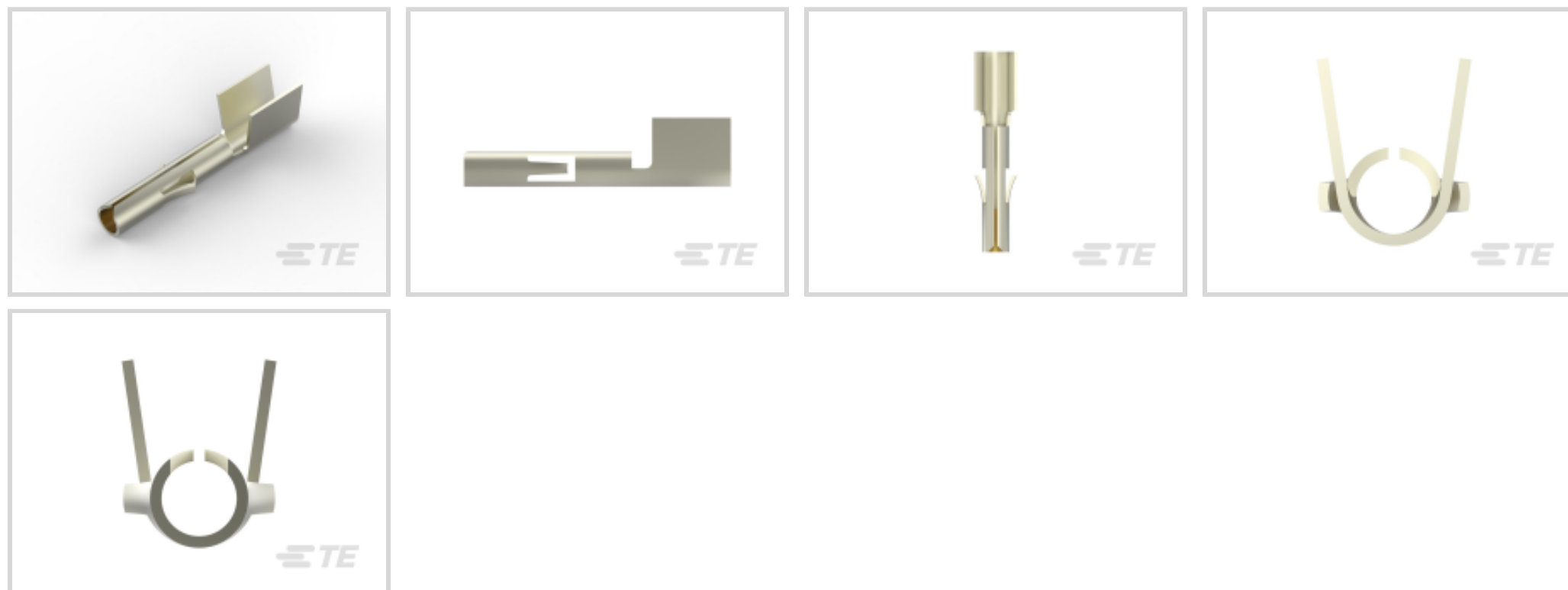
TE Internal #: 640310-6

Power Contacts, Contact, 600 VAC, Gold, 12 – 10 AWG Wire Size,
3.31 – 5.26 mm² Wire Size, Wire-to-Wire, Wire & Cable, Crimp,
Universal MATE-N-LOK

[View on TE.com >](#)



Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**

Operating Voltage: **600 VAC**

Contact Mating Area Plating Material: **Gold**

Wire Size: **3.31 – 5.26 mm²**

Features

Product Type Features

| | |
|-----------------------------------|--------------|
| Power Contact Type | Contact |
| Connector System | Wire-to-Wire |
| Connector & Contact Terminates To | Wire & Cable |

Electrical Characteristics

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

Contact Features

| | |
|---|------------------|
| Contact Mating Area Plating Material | Gold |
| Contact Current Rating (Max) | 19 A |
| Contact Type | Socket |
| Contact Retention Within Housing | With |
| Mating Pin Diameter | 2.13 mm[.084 in] |
| Contact Base Material | Phosphor Bronze |
| Contact Mating Area Plating Material Thickness | .76 µm[30 µin] |
| Wire Contact Termination Area Plating Thickness | 1.27 µm[50 µin] |
| Wire Contact Termination Area Plating Material | Nickel |



| | |
|---|-----------------|
| Wire Contact Termination Area Plating Material Finish | Matte |
| Contact Orientation | Straight |
| Contact Underplating Material | Nickel |
| Contact Underplating Material Thickness | 1.27 µm[50 µin] |

Termination Features

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

Mechanical Attachment

| | |
|---------------------------------------|----------------------------|
| Contact Retention Type Within Housing | Locking Lance |
| Connector Mounting Type | Cable Mount (Free-Hanging) |
| Wire Insulation Support | Without |

Dimensions

| | |
|-----------|-----------------------------|
| Wire Size | 3.31 – 5.26 mm ² |
|-----------|-----------------------------|

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

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

Industry Standards

| | |
|------------------|-------------------------------|
| CSA Rating | Certified |
| Glow Wire Rating | Standard Part - Not Glow Wire |
| VDE Tested | Yes |
| Agency/Standard | CSA, UL |
| CSA File Number | LR 7189 |
| UL Rating | Recognized |
| UL File Number | E28476 |

Packaging Features

| | |
|--------------------|------|
| Packaging Method | Bag |
| Packaging Quantity | 1000 |

Other

| | |
|-----------------|--|
| Wire/Cable Type | Discrete Wire |
| Wire Type | Stranded |
| For Use With | Universal MATE-N-LOK Plug or Cap Housing |



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 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed |
| Halogen Content | Low Halogen - Br, Cl, F, I < 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

| | | | |
|---|--|--|--|
|  <p>TE Part # 539972-1 EXTRACTION TOOL</p> |  <p>TE Part # 455830-1 INSERTION TOOL</p> |  <p>TE Part # 1-480705-2 06P UNML CAP HSG RED</p> |  <p>TE Part # 350784-1 15P UMNL CAP HSG</p> |
|---|--|--|--|



TE Part # 926307-3
6P UN-MNL AUFN-GEH



TE Part # 1-480704-2
06P UMNL PLUG HSG RED



TE Part # 926302-1
10& UNIV.M-N-L.PLUG



TE Part # 1-350777-2
02P UMNL V0 PLUG HSG RED



TE Part # 350783-1
12P UMNL CAP HSG



TE Part # 1-350778-9
02P UMNL V0 CAP HSG BLACK



TE Part # 350735-1
12P UMNL PLUG HSG



TE Part # 926302-3
10P UN-MNL STECKGEH



TE Part # 926308-3
8P UN-MNL AUFN-GEH



TE Part # 350736-1
15P UMNL PLUG HSG



TE Part # 1-480701-4
03P UMNL CAP HSG YELL



TE Part # 640585-1
06P UMNL PLUG HSG V2 NATL



TE Part # 926308-1
8P UNIV.M-N-L.CAP



TE Part # 1-480703-9
04P UMNL CAP HSG BLK




TE Part # 350720-1
09P UMNL PLUG HSG




TE Part # 350810-1
05P UMNL CAP HSG


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



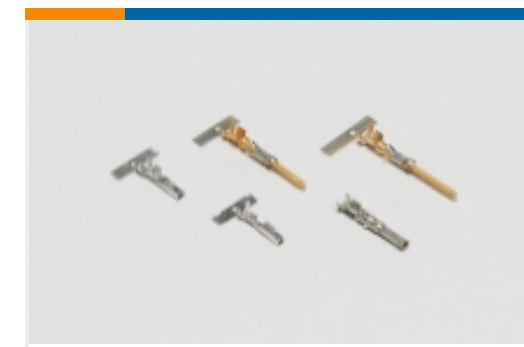
Circular Power Connectors(2)



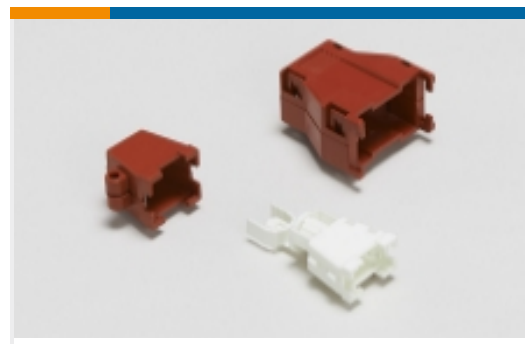
Connector Contacts(11)



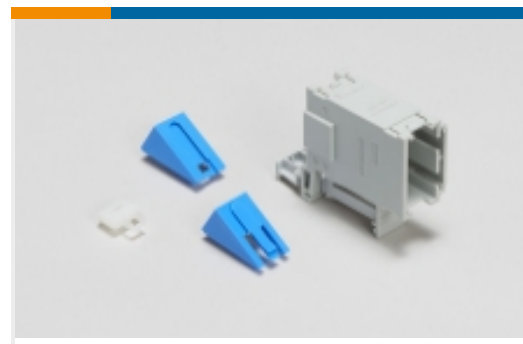
Insertion & Extraction Tools(4)



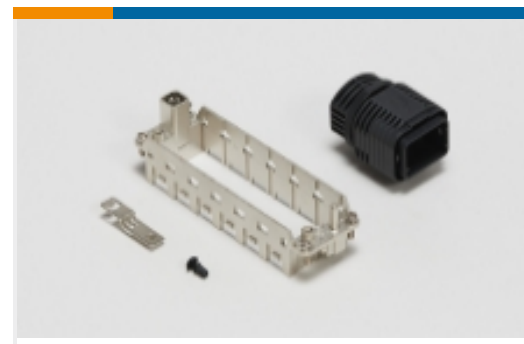
Power Contacts(207)



Rectangular Boots & Strain Relief(35)



Rectangular Connector Adapters(7)



Rectangular Connector Hardware(1)



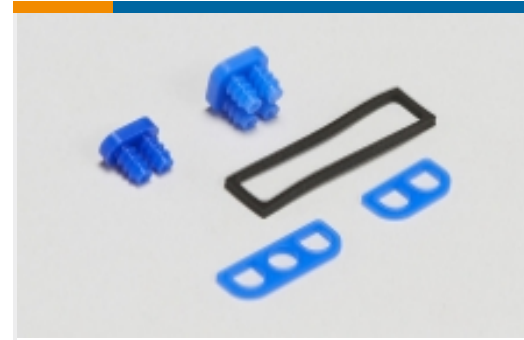
Rectangular Connector Housings(2)



Rectangular Connector Keying Plugs(3)



Rectangular Connector Locking(4)



Rectangular Connector Seals(26)



Rectangular Power Connectors(729)

Customers Also Bought



TE Part #1658661-1
KIT,HDP-20,ENCLSUR,PLUG,SIZE 5



TE Part #3-647000-4
04P MTA100 PSTD CONN ASSY LF



TE Part #330648
PIDG R 22-16 COMM 22-18 MIL 4



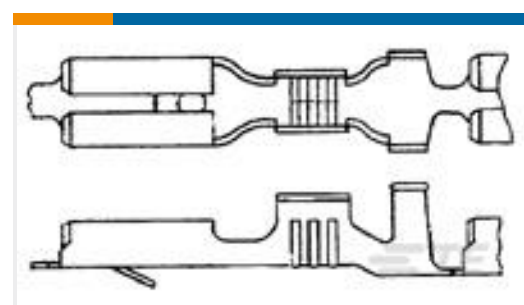
TE Part #770166-2
02P MINI-UMNL ASSY VO SNAU



TE Part #31518
TERMINAL,DG R 26-22 2



TE Part #1-172165-9
2CIR MINI U-M-N-L PLUG BLCK



TE Part #170042-1
FF 110 REC 20-16AWG BR



TE Part #180367-2
250 FASTON,REC.,12-10 AWG,TPBR



TE Part #5225398-8
BNC JCK DUAL CRMP RG179,187

Documents



Product Drawings

UMNL SOK 12-10 AU/PHBZ

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_640310-6_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_640310-6_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_640310-6_C.3d_stp.zip](#)

English

3D PDF

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Customer View Model

[ENG_CVM_640310-6_G.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_640310-6_G.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_640310-6_G.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY

English

Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English

Instruction Sheets

Instruction Sheet (U.S.)

English