

770023-1 ✓ ACTIVE

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

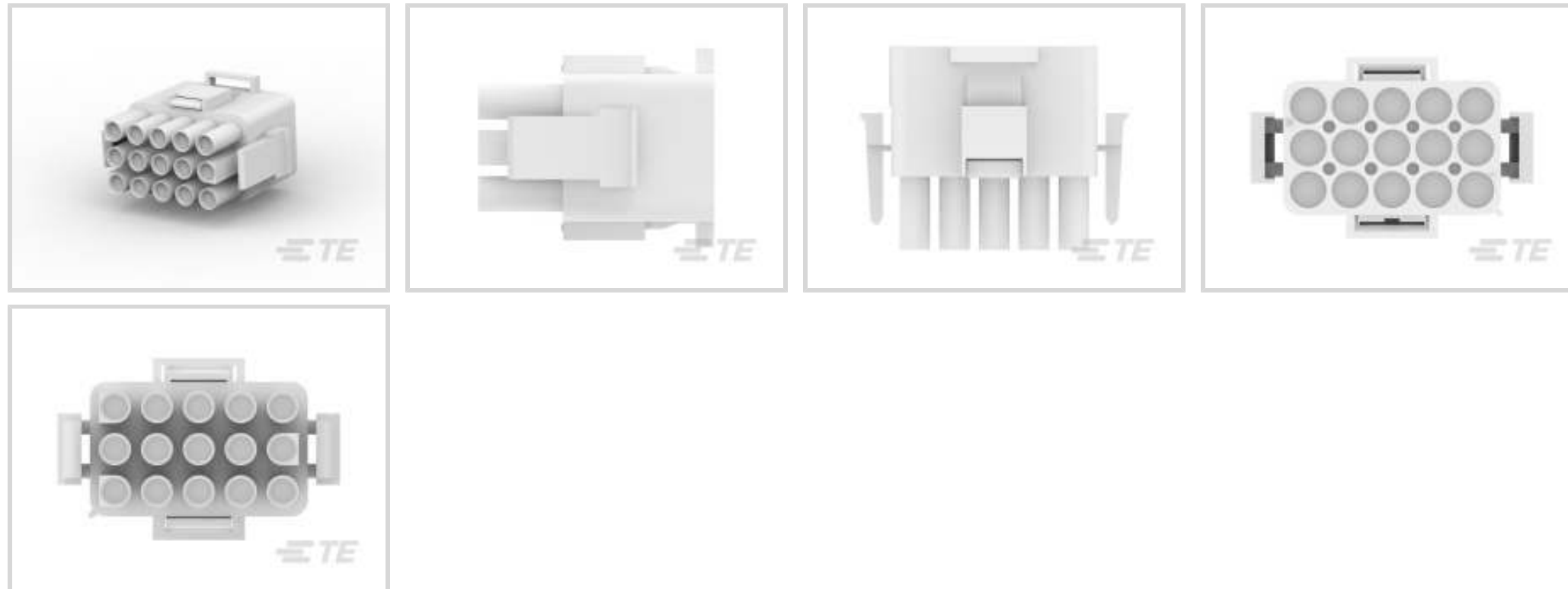
TE Internal #: 770023-1

Rectangular Power Connectors, Housing, Plug, Wire-to-Wire, 15
Position, 6.35 mm [.25 in] Centerline, Wire & Cable, UL 94V-0,
Universal MATE-N-LOK

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

Connector System: **Wire-to-Wire**

Number of Positions: **15**

Centerline (Pitch): **6.35 mm [.25 in]**

Features

Product Type Features

| | |
|-----------------------------------|-----------------|
| Assembly Requirement | Unassembled Kit |
| Rectangular Power Connector Type | Housing |
| Connector & Housing Type | Plug |
| Connector System | Wire-to-Wire |
| Sealable | No |
| Connector & Contact Terminates To | Wire & Cable |

Configuration Features

| | |
|---------------------|----|
| Number of Positions | 15 |
| Number of Rows | 3 |

Electrical Characteristics

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

Contact Features

| | |
|------------------------|---------|
| Multiple Contact Types | Without |
| Contact Layout | Matrix |



| | |
|----------------------------------|---------|
| Contact Retention Within Housing | Without |
|----------------------------------|---------|

| | |
|--------------|--------|
| Contact Type | Socket |
|--------------|--------|

Termination Features

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

Mechanical Attachment

| | |
|-------------------------|----------------------------|
| Connector Mounting Type | Cable Mount (Free-Hanging) |
|-------------------------|----------------------------|

Housing Features

| | |
|--------------------|------------------|
| Centerline (Pitch) | 6.35 mm [.25 in] |
|--------------------|------------------|

| | |
|---------------|-------|
| Housing Color | White |
|---------------|-------|

| | |
|------------------|----------|
| Housing Material | Nylon GF |
|------------------|----------|

Dimensions

| | |
|--|--------------|
| | .03 – .09 in |
|--|--------------|

| | |
|---------------|----------|
| Product Width | 22.99 mm |
|---------------|----------|

| | |
|----------------|----------|
| Product Length | 33.02 mm |
|----------------|----------|

| | |
|--------------------|------------------|
| Row-to-Row Spacing | 6.35 mm [.25 in] |
|--------------------|------------------|

Usage Conditions

| | |
|-----------------------------|-----------------------------|
| Operating Temperature Range | -55 – 120 °C [-67 – 248 °F] |
|-----------------------------|-----------------------------|

Operation/Application

| | |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Industry Standards

| | |
|------------|--------------------|
| CSA Rating | Certified, LR 7189 |
|------------|--------------------|

| | |
|-----------|------------|
| UL Rating | Recognized |
|-----------|------------|

| | |
|-----------------|--------------|
| Agency/Standard | CSA, UL, VDE |
|-----------------|--------------|

| | |
|--------------------|-----------|
| Approved Standards | UL E28476 |
|--------------------|-----------|

| | |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

| | |
|------------------|-------------------------------|
| Glow Wire Rating | Standard Part - Not Glow Wire |
|------------------|-------------------------------|

Packaging Features

| | |
|--------------------|---|
| Packaging Quantity | 1 |
|--------------------|---|

| | |
|------------------|---------|
| Packaging Method | Package |
|------------------|---------|

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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC |
| 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>






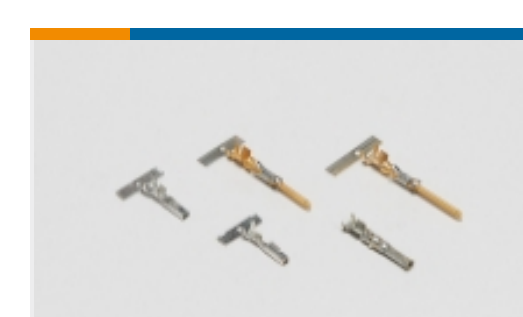
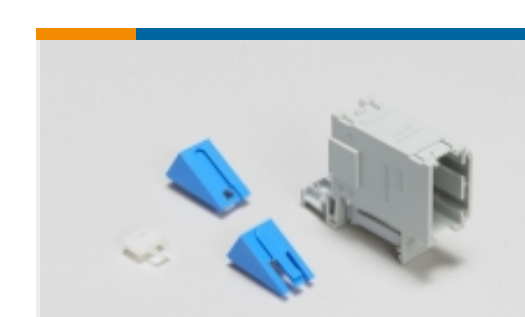

Compatible Parts

| | | | |
|--|---|--|--|
|  <p>TE Part # 350830-4 15P UMNL HDR ASSY PC 94VO LF</p> |  <p>TE Part # 350738-4 15P UMNL PIN HDR ASSY 94VO LF</p> |  <p>TE Part # 770253-3 UMNL II SOK PTPPHBZ LP 24-18</p> |  <p>TE Part # 770247-3 UMNL II SOK PTPPHBZ LP 12-10</p> |
|  <p>TE Part # 1-770251-0 UMNLII SOK PTPPHBZ LP LF 20-14</p> |  <p>TE Part # 350784-1 15P UMNL CAP HSG</p> |  <p>TE Part # 770252-1 UMNL II PIN PTPBR LP 24-18</p> |  <p>TE Part # 1-770250-0 UMNL II PIN SN/AUNI/BR LP20-14</p> |



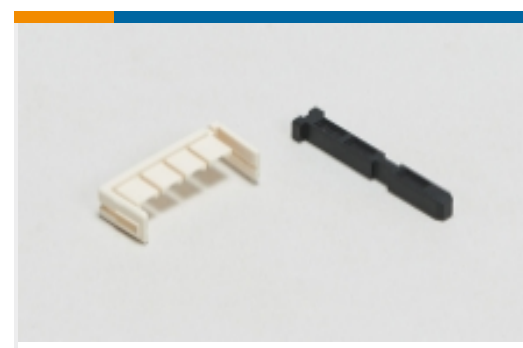
| | | | |
|--|---|--|--|
|  <p>TE Part # 770250-1 UMNL II PIN PTPBR LP 20-14</p> |  <p>TE Part # 770251-3 UMNL II SOK PTPPHBZ LP 20-14</p> |  <p>TE Part # 1-770005-0 UMNL II PIN AUSN/NI/BR</p> |  <p>TE Part # 350714-1 15P UMNL PIN HDR ASSY 94VO</p> |
|  <p>TE Part # 643430-1 15P UMNL HDR ASSY POL 94VO</p> |  <p>TE Part # 926647-3 UNIV.M-N-L.CAP HSG</p> |  <p>TE Part # 770058-1 15P UMNL II CAP REAR 94VO</p> |  <p>TE Part # 350830-1 15P UMNL HDR ASSY PC 94VO</p> |
|  <p>TE Part # 770030-1 15P UMNLII IN-LINE CAP HSG KIT</p> |  <p>TE Part # 350714-4 15P UMNL PIN HDR ASSY 94VO LF</p> |  <p>TE Part # 770057-1 15P UMNL II CAP-FRONT 94VO</p> |  <p>TE Part # 1-770009-0 UMNL II PIN AUSN/NI/BR</p> |

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

| | | | |
|--|--|---|--|
|  <p>Circular Power Connectors(2)</p> |  <p>Connector Contacts(2)</p> |  <p>Connector Seals & Cavity Plugs(27)</p> |  <p>Connector Strain Relief(34)</p> |
|  <p>Insertion & Extraction Tools(4)</p> |  <p>Power Contacts(209)</p> |  <p>Rectangular Connector Adapters(7)</p> |  <p>Rectangular Connector Hardware(1)</p> |



Rectangular Connector Housings(1)



Rectangular Connector Keying Plugs(3)



Rectangular Connector Locking(8)



Rectangular Power Connectors(672)

Customers Also Bought

TE Part #770022-1
12P UMNLII IN-LINE PLUG HSG KITTE Part #770028-1
09P UMNLII IN-LINE CAP HSG KITTE Part #770026-1
04P UMNLII IN-LINE CAP HSG KITTE Part #770029-1
12P UMNLII IN-LINE CAP HSG KITTE Part #770021-1
09P UMNLII IN-LINE PLUG HSG KITTE Part #770030-1
15P UMNLII IN-LINE CAP HSG KITTE Part #770027-1
06P UMNLII IN-LINE CAP HSG KITTE Part #770025-1
03P UMNLII IN-LINE CAP HSG KITTE Part #770020-1
06P UMNLII IN-LINE PLUG HSG KITTE Part #2112155-1
28POS MIXED MQS REC

Documents

Product Drawings

15P UMNLII IN-LINE PLUG HSG KIT

English

CAD Files

Customer View Model

ENG_CVM_CVM_770023-1_F.2d_dxf.zip

English

3D PDF



3D

Customer View Model

[ENG_CVM_CVM_770023-1_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_770023-1_F.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

[MD_770023-1_02282018025_dmtec](#)

English

[MD_770023-1_02282018025_dmtec](#)

English

Instruction Sheets

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

English

Agency Approvals

[VDE Certificate](#)

English