

350434-4 ✓ ACTIVE

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

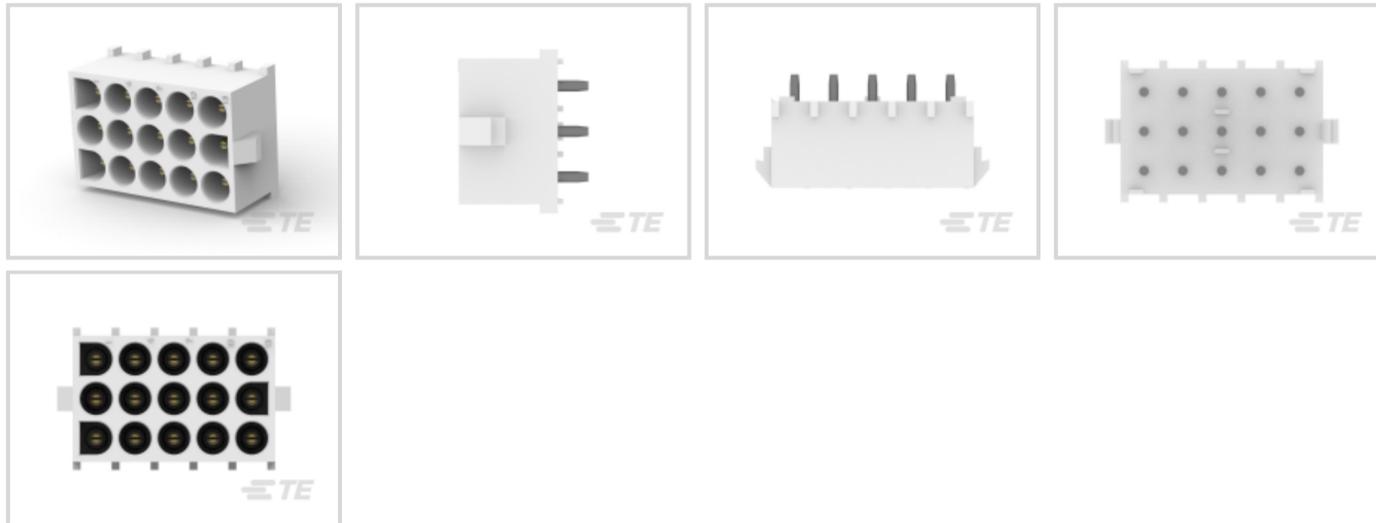
TE Internal #: 350434-4

PCB Mount Header, Vertical, Wire-to-Board, 15 Position, 6.35 mm [.25 in] Centerline, Fully Shrouded, Gold (Au), Universal MATE-N-LOK

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **15**

Number of Rows: **3**

## Features

### Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Mixed & Hybrid Header             | No                    |
| Connector Shape                   | Rectangular           |
| PCB Connector Type                | PCB Mount Header      |
| Connector System                  | Wire-to-Board         |
| Header Type                       | Fully Shrouded        |
| Sealable                          | No                    |
| Connector & Contact Terminates To | Printed Circuit Board |
| Connector Product Type            | Connector Assembly    |

### Configuration Features

|                                  |              |
|----------------------------------|--------------|
| Number of Columns                | 5            |
| Number of Loaded Positions       | 15           |
| Number of Power Positions        | 15           |
| Connector Contact Load Condition | Fully Loaded |
| PCB Mount Orientation            | Vertical     |
| Number of Positions              | 15           |



|                |   |
|----------------|---|
| Number of Rows | 3 |
|----------------|---|

### Electrical Characteristics

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

### Body Features

|                       |         |
|-----------------------|---------|
| Primary Product Color | Natural |
|-----------------------|---------|

### Contact Features

|                               |        |
|-------------------------------|--------|
| Contact Underplating Material | Nickel |
|-------------------------------|--------|

|                     |                 |
|---------------------|-----------------|
| Mating Pin Diameter | 2.2 mm[.087 in] |
|---------------------|-----------------|

|   |   |
|---|---|
| Contact Underplating Material Thickness | 1.27 – 1.79 $\mu\text{m}$ [50 – 70 $\mu\text{in}$ ] |
|---|---|

|  |       |
|--|-------|
| PCB Contact Termination Area Plating Material Finish | Matte |
|--|-------|

|              |       |
|--------------|-------|
| Contact Size | 2.2mm |
|--------------|-------|

|  |   |
|--|---|
| Contact Mating Area Plating Material Thickness | .76 – .91 $\mu\text{m}$ [30 – 36 $\mu\text{in}$ ] |
|--|---|

|   |   |
|---|---|
| PCB Contact Termination Area Plating Material Thickness | 3.81 – 5.08 $\mu\text{m}$ [150 – 200 $\mu\text{in}$ ] |
|---|---|

|                      |       |
|----------------------|-------|
| Contact Shape & Form | Round |
|----------------------|-------|

|                |        |
|----------------|--------|
| Contact Layout | Matrix |
|----------------|--------|

|                       |                 |
|-----------------------|-----------------|
| Contact Base Material | Phosphor Bronze |
|-----------------------|-----------------|

|   |     |
|---|-----|
| PCB Contact Termination Area Plating Material | Tin |
|---|-----|

|                                      |           |
|--------------------------------------|-----------|
| Contact Mating Area Plating Material | Gold (Au) |
|--------------------------------------|-----------|

|              |     |
|--------------|-----|
| Contact Type | Pin |
|--------------|-----|

|                              |      |
|------------------------------|------|
| Contact Current Rating (Max) | 12 A |
|------------------------------|------|

### Termination Features

|                                  |                  |
|----------------------------------|------------------|
| Termination Post & Tail Diameter | 1.57 mm[.062 in] |
|----------------------------------|------------------|

|                                |                 |
|--------------------------------|-----------------|
| Termination Post & Tail Length | 3.56 mm[.14 in] |
|--------------------------------|-----------------|

|                           |                       |
|---------------------------|-----------------------|
| Termination Method to PCB | Through Hole - Solder |
|---------------------------|-----------------------|

### Mechanical Attachment

|                     |         |
|---------------------|---------|
| Panel Mount Feature | Without |
|---------------------|---------|

|                       |             |
|-----------------------|-------------|
| Mating Retention Type | Locking Tab |
|-----------------------|-------------|

|                  |      |
|------------------|------|
| Mating Retention | With |
|------------------|------|

|                       |              |
|-----------------------|--------------|
| Mating Alignment Type | Polarization |
|-----------------------|--------------|

|                     |         |
|---------------------|---------|
| PCB Mount Retention | Without |
|---------------------|---------|

|                     |         |
|---------------------|---------|
| PCB Mount Alignment | Without |
|---------------------|---------|

|                         |             |
|-------------------------|-------------|
| Connector Mounting Type | Board Mount |
|-------------------------|-------------|



|                  |      |
|------------------|------|
| Mating Alignment | With |
|------------------|------|

### Housing Features

|                       |                  |
|-----------------------|------------------|
| Mating Entry Location | Top              |
| Housing Material      | Nylon            |
| Centerline (Pitch)    | 6.35 mm [.25 in] |

### Dimensions

|                             |                   |
|-----------------------------|-------------------|
| Row-to-Row Spacing          | 6.35 mm [.25 in]  |
| Connector Width             | 20.32 mm [.8 in]  |
| PCB Thickness (Recommended) | 1.57 mm [.062 in] |
| Connector Height            | 13.97 mm [.55 in] |
| Connector Length            | 33.02 mm [1.3 in] |
| Profile Height from PCB     | 14.73 mm [.58 in] |

### Usage Conditions

|                             |                             |
|-----------------------------|-----------------------------|
| Operating Temperature (Max) | 105 °C [221 °F]             |
| Operating Temperature Range | -40 – 105 °C [-40 – 221 °F] |

### Operation/Application

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

### Industry Standards

|   |                               |
|---|-------------------------------|
| Compatible With Agency/Standards Products   | CSA, UL, VDE                  |
| UL Rating                                   | Recognized                    |
| Compatible With Approved Standards Products | UL E28476                     |
| Glow Wire Rating                            | Standard Part - Not Glow Wire |
| UL Flammability Rating                      | UL 94V-2                      |

### Packaging Features

|                    |        |
|--------------------|--------|
| Packaging Quantity | 78     |
| Packaging Method   | Carton |

### 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: JAN 2025 (247)

Candidate List Declared Against: JAN 2025 (247)

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

Wave solder capable to 265°C

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>

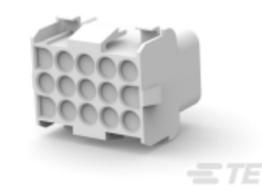
### Compatible Parts



TE Part # 1586170-1  
15P UMNL PIN HDR 94VO NDH



TE Part # 350812-1  
STR/REL CLAMP UMNL



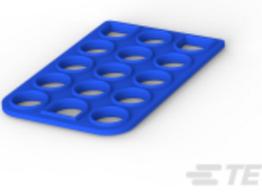
TE Part # 926647-8  
UMNL CAP HSG. 15 POS



TE Part # 1-1586683-0  
15P UMNL HDR ASSY PC 94VO SL



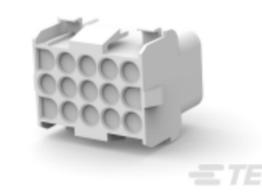
TE Part # 1586683-9  
15P UMNL HDR ASSY PC 94VO SL



TE Part # 794281-1  
15P UMNL INTERFACE SEAL



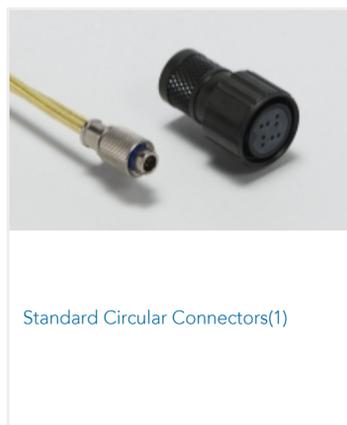
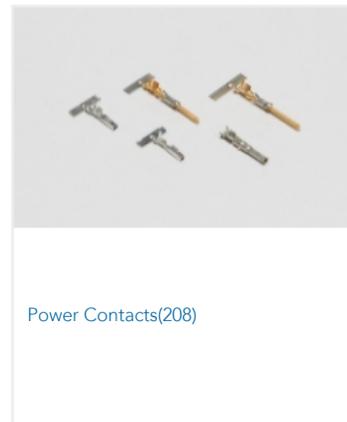
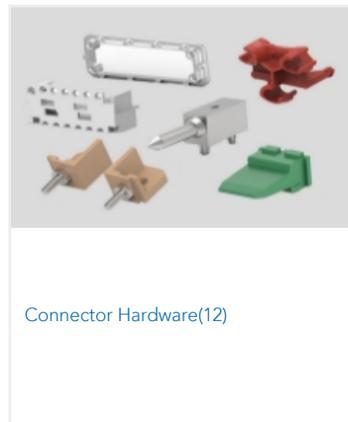
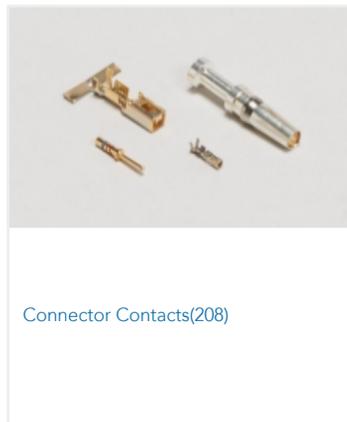
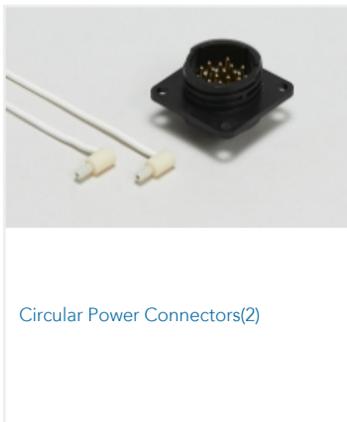
TE Part # 794745-1  
15P UMNL CAP HSG BLACK



TE Part # 926647-1  
BOIT F MNL 15P



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



Customers Also Bought





## Documents

### Product Drawings

15P UMNL PIN HDR ASSY NATL LF

English

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_350434-4\\_AC.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_350434-4\\_AC.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_350434-4\\_AC.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_350434-4\\_Y.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_350434-4\\_Y.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_350434-4\\_Y.2d\\_dxf.zip](#)

English

3D PDF

English



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### Datasheets & Catalog Pages

[SOFT\\_SHELL\\_PIN\\_SOCKET\\_CONNECTORS\\_STANDARD\\_DENSITY](#)

English

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### Product Specifications

[Application Specification](#)

English

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### Agency Approvals

[UL](#)

English