

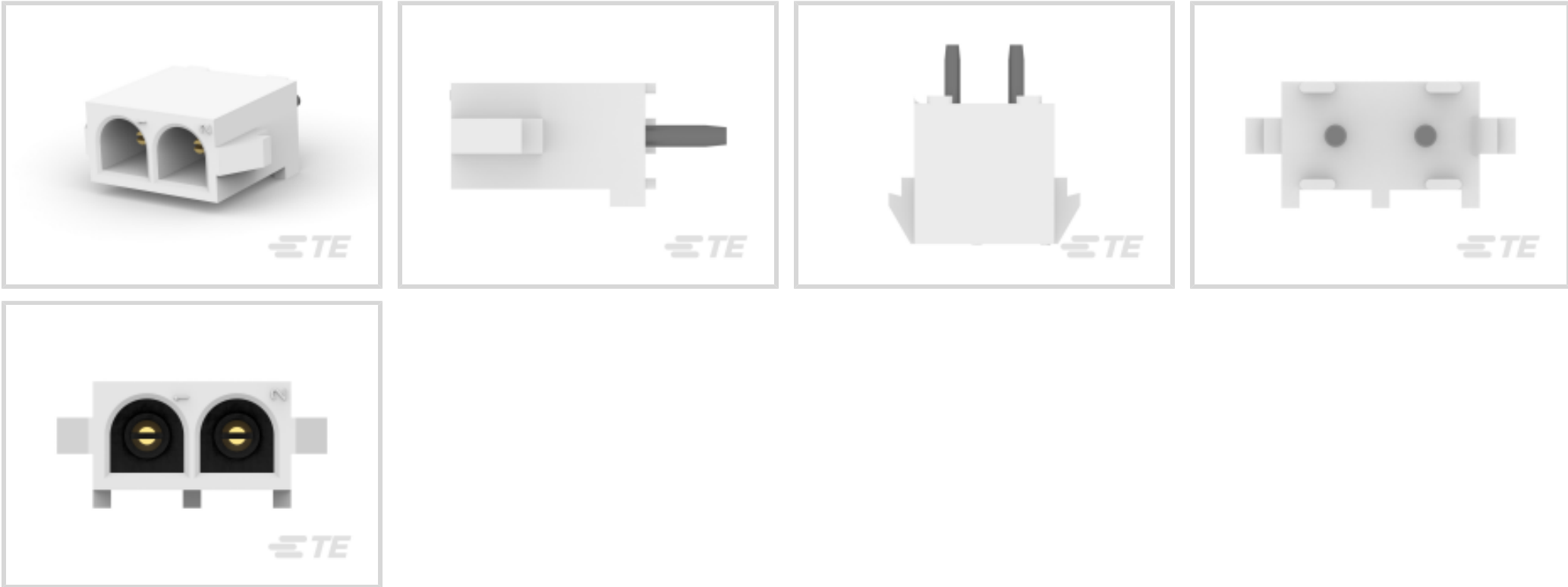


MATE-N-LOK | Universal MATE-N-LOK

TE Internal #: 350787-3  
PCB Mount Header, Vertical, Wire-to-Board, 2 Position, 6.35 mm [.25 in] Centerline, Fully Shrouded, Gold, Through Hole - Solder, Universal MATE-N-LOK

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

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

Number of Positions: **2**

Number of Rows: **1**

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

Features

Product Type Features

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

Configuration Features

|                                  |              |
|----------------------------------|--------------|
| Number of Power Positions        | 2            |
| Number of Columns                | 2            |
| Number of Loaded Positions       | 2            |
| Connector Contact Load Condition | Fully Loaded |
| Number of Positions              | 2            |
| Number of Rows                   | 1            |



|                       |          |
|-----------------------|----------|
| PCB Mount Orientation | Vertical |
|-----------------------|----------|

Electrical Characteristics

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

Body Features

|                       |       |
|-----------------------|-------|
| Primary Product Color | White |
|-----------------------|-------|

Contact Features

|                                                         |                               |
|---------------------------------------------------------|-------------------------------|
| Contact Size                                            | 2.2mm                         |
| PCB Contact Termination Area Plating Material Thickness | 3.81 – 5.08 µm[150 – 200 µin] |
| Contact Layout                                          | Inline                        |
| Mating Pin Diameter                                     | 2.2 mm[.087 in]               |
| Contact Underplating Material Thickness                 | 1.27 – 1.79 µm[50 – 70 µin]   |
| Contact Mating Area Plating Material Thickness          | .76 – .91 µm[30 – 36 µin]     |
| PCB Contact Termination Area Plating Material Finish    | Matte                         |
| Contact Shape & Form                                    | Round                         |
| Contact Underplating Material                           | Nickel                        |
| PCB Contact Termination Area Plating Material           | Tin                           |
| Contact Base Material                                   | Phosphor Bronze               |
| Contact Mating Area Plating Material                    | Gold                          |
| Contact Type                                            | Pin                           |
| Contact Current Rating (Max)                            | 12 A                          |

Termination Features

|                                  |                       |
|----------------------------------|-----------------------|
| Termination Post & Tail Diameter | 1.57 mm[.062 in]      |
| Termination Post & Tail Length   | 5.09 mm[.2 in]        |
| Termination Method to PCB        | Through Hole - Solder |

Mechanical Attachment

|                         |              |
|-------------------------|--------------|
| Mating Alignment Type   | Polarization |
| Mating Retention        | With         |
| Panel Mount Feature     | Without      |
| Mating Retention Type   | Locking Tab  |
| Connector Mounting Type | Board Mount  |
| Mating Alignment        | With         |
| PCB Mount Alignment     | Without      |



PCB Mount Retention

Without

Housing Features

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

Dimensions

|                             |                  |
|-----------------------------|------------------|
| Connector Length            | 13.97 mm[.55 in] |
| Connector Height            | 13.97 mm[.55 in] |
| Connector Width             | 7.62 mm[.3 in]   |
| PCB Thickness (Recommended) | 3.18 mm[.125 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

|                                             |                               |
|---------------------------------------------|-------------------------------|
| UL Rating                                   | Recognized                    |
| Glow Wire Rating                            | Standard Part - Not Glow Wire |
| Compatible With Agency/Standards Products   | UL, VDE                       |
| Compatible With Approved Standards Products | UL E28476                     |
| UL Flammability Rating                      | UL 94V-0                      |

Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 200 |
| Packaging Method   | Bag |

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 2024 (241)  
Candidate List Declared Against: JUNE 2024 (241)  
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 # 640713-1  
02P UMNL STR/REL & INSERT

TE Part # 1-350589-0  
STR/REL CLAMP NATL

TE Part # 350811-1  
STR/REL CLAMP

TE Part # 640713-2  
02P UMNL STR/RELIEVE

TE Part # 350777-1  
02P UMNL PLUG HSG

TE Part # 770017-1  
02P UMNLI IN-LNE PLUG HSG KIT

TE Part # 794269-1  
02P UMNL INTERFACE SEAL

TE Part # 794815-1  
02P UMNL CAP HSG,HI TEMP





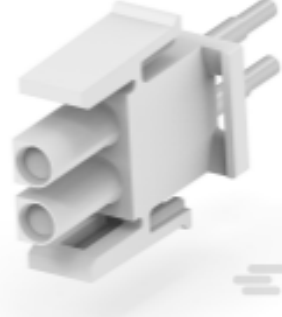
TE Part # 1703062-1  
CAP, 2 CIRCUIT , UNIVERSAL MATE-N-LOK



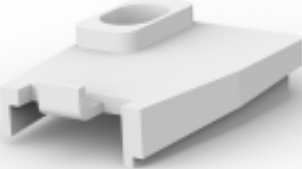
TE Part # 794991-1  
02P UMNL BLACK INTERFACE SEAL



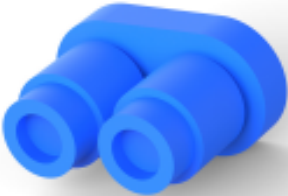
TE Part # 1586856-1  
02P UMNL CAP HSG, GW



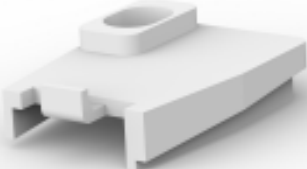
TE Part # 350848-2  
02P UMNL PLUG TEST ASSY 94VO



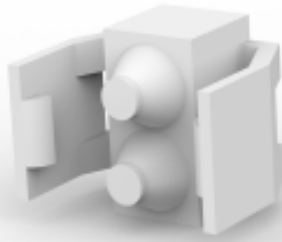
TE Part # 1-640719-1  
02P UMNL STR/REL NATL



TE Part # 794270-1  
02P UMNL WIRE SEAL



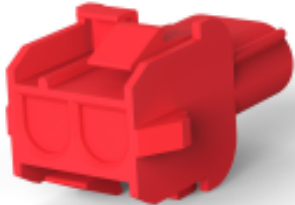
TE Part # 1-640719-0  
02P UMNL STR/REL & INSRT NATL



TE Part # 643250-1  
02P UMNL ASSY MOD HSG V0



TE Part # 1703062-2  
CAP, 2 CIRCUIT , UNIVERSAL MATE-N-LOK



TE Part # 1703062-3  
CAP, 2 CIRCUIT , UNIVERSAL MATE-N-LOK



TE Part # 2-480699-0  
02P UMNL CAP HSG NATL



TE Part # 2178649-1  
2P UMNL CAP HSG, GW

Also in the Series | Universal MATE-N-LOK



Circular Power Connectors(2)



Connector Caps & Covers(34)



Connector Contacts(209)



Connector Hardware(12)



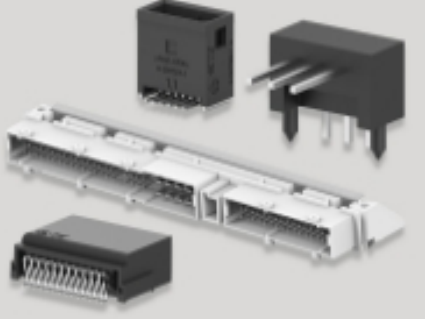
Connector Seals & Cavity Plugs(27)



Connector Strain Relief(7)



Insertion & Extraction Tools(4)



PCB Headers & Receptacles(285)





Rectangular Connector Housings(1)



Rectangular Power Connectors(370)



Standard Circular Connectors(1)

Customers Also Bought



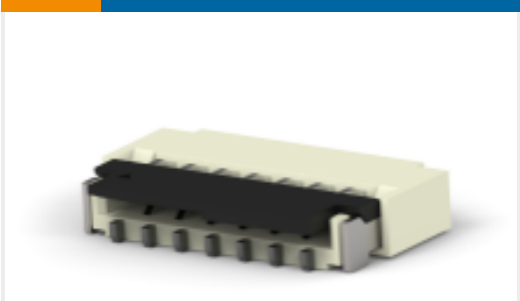
TE Part #5-104935-3  
03 MTE HDR SRRA LATCH



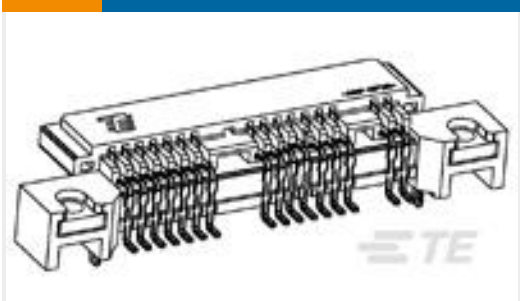
TE Part #350732-4  
06P UMNL PIN HDR ASSY 94VO LF



TE Part #350851-2  
UMNL SOK 24-18 AUNIBR



TE Part #1-2328724-3  
13PIN 0.3MMP FPC CONNECTOR, FRONT FLIP



TE Part #1-1735583-1  
mSATA, Receptacle, R/A SMT, Btm Mt, 30u"



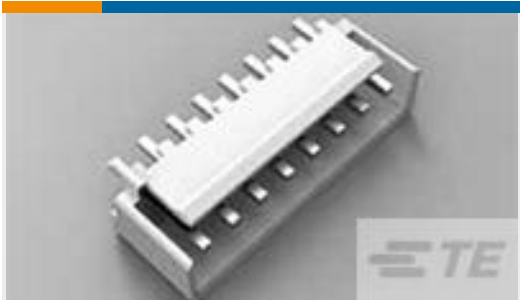
TE Part #350825-4  
03P UMNL HDR ASSY PC 94VO LF



TE Part #350834-4  
06P UMNL HDR ASSY PC 94VO LF



TE Part #1-1877285-0  
10P EP SHRD HDR ASMY, WHITE



TE Part #1877285-5  
05P EP SHRD HDR ASMY, WHITE

Documents

Product Drawings

02P UMNL PIN HDR ASSY 94VO LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_350787-3\_V.2d\_dxf.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_350787-3\\_V.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_350787-3\\_V.3d\\_stp.zip](#)

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English

3D PDF

English

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Datasheets & Catalog Pages

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

English

Product Specifications

[Application Specification](#)

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Agency Approvals

[UL](#)

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