



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **2**

Number of Rows: **1**

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                | 2            |
| Number of Loaded Positions       | 2            |
| Number of Power Positions        | 2            |
| Connector Contact Load Condition | Fully Loaded |
| PCB Mount Orientation            | Vertical     |
| Number of Positions              | 2            |



|                |   |
|----------------|---|
| Number of Rows | 1 |
|----------------|---|

Electrical Characteristics

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

Body Features

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

Contact Features

|                                                         |                               |
|---------------------------------------------------------|-------------------------------|
| Contact Underplating Material                           | Nickel                        |
| Contact Underplating Material Thickness                 | 1.27 – 1.79 µm[50 – 70 µin]   |
| Contact Size                                            | 2.95mm                        |
| Contact Mating Area Plating Material Thickness          | 3.81 – 5.08 µm[150 – 200 µin] |
| PCB Contact Termination Area Plating Material Thickness | 3.81 – 5.08 µm[150 – 200 µin] |
| Contact Shape & Form                                    | Round                         |
| Contact Layout                                          | Inline                        |
| Contact Base Material                                   | Phosphor Bronze               |
| PCB Contact Termination Area Plating Material           | Pre-Tin                       |
| Contact Mating Area Plating Material                    | Pre-Tin                       |
| Contact Type                                            | Socket                        |
| 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

|                         |              |
|-------------------------|--------------|
| 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

|                             |                   |
|-----------------------------|-------------------|
| Connector Width             | 7.62 mm [.3 in]   |
| PCB Thickness (Recommended) | 3.18 mm [.125 in] |
| Connector Height            | 13.97 mm [.55 in] |
| Connector Length            | 13.97 mm [.55 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-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: JAN 2025 (247)<br>Candidate List Declared Against: JAN 2025 (247)<br>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

|                                                                                                                                                          |                                                                                                                                                  |                                                                                                                                                         |                                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 2178649-2<br/>2P UMNL CAP HSG, GW</p>                   |  <p>TE Part # 2178927-1<br/>02P UMNL CAP HSG</p>             |  <p>TE Part # 643250-1<br/>02P UMNL ASSY MOD HSG V0</p>            |  <p>TE Part # 794815-1<br/>02P UMNL CAP HSG,HI TEMP</p> |
|  <p>TE Part # 1703062-1<br/>CAP, 2 CIRCUIT , UNIVERSAL MATE-N-LOK</p> |  <p>TE Part # 2-480699-0<br/>02P UMNL CAP HSG NATL</p>       |  <p>TE Part # 1-640719-0<br/>02P UMNL STR/REL &amp; INSRT NATL</p> |  <p>TE Part # 1-640719-1<br/>02P UMNL STR/REL NATL</p>  |
|  <p>TE Part # 350848-2<br/>02P UMNL PLUG TEST ASSY 94VO</p>           |  <p>TE Part # 640713-1<br/>02P UMNL STR/REL &amp; INSERT</p> |  <p>TE Part # 794991-1<br/>02P UMNL BLACK INTERFACE SEAL</p>       |  <p>TE Part # 2178649-1<br/>2P UMNL CAP HSG, GW</p>     |



TE Part # 2178649-3  
2P UMNL CAP HSG, GW



TE Part # 794270-1  
02P UMNL WIRE SEAL



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



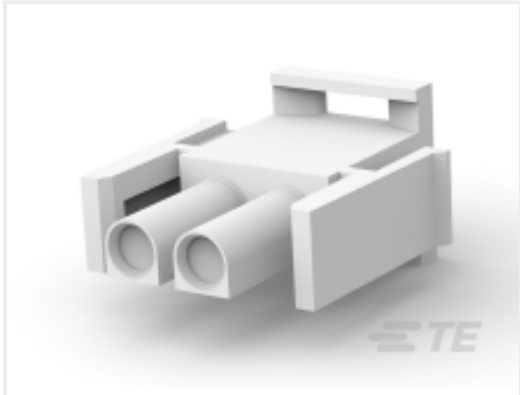
TE Part # 1703062-3  
CAP, 2 CIRCUIT , UNIVERSAL MATE-N-LOK



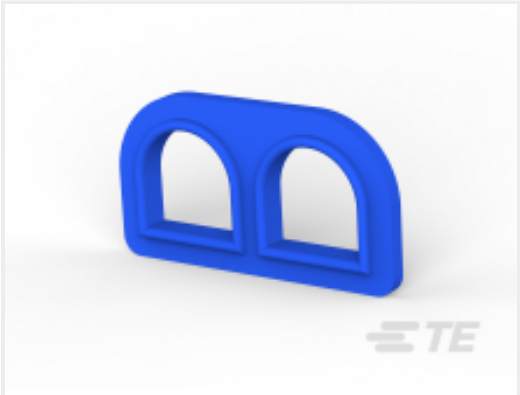
TE Part # 1586856-1  
02P UMNL CAP HSG, GW



TE Part # 350811-1  
STR/REL CLAMP



TE Part # 350777-1  
02P UMNL PLUG HSG



TE Part # 794269-1  
02P UMNL INTERFACE SEAL

Also in the Series | Universal MATE-N-LOK



Circular Power Connectors(2)



Connector Caps & Covers(34)



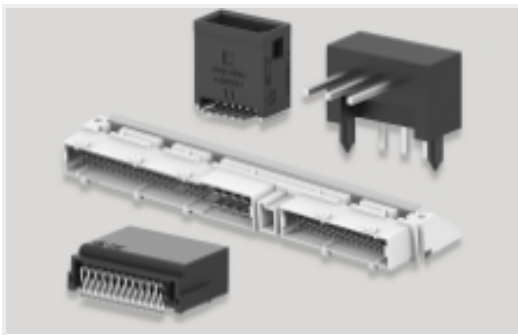
Connector Seals & Cavity Plugs(27)



Connector Strain Relief(7)



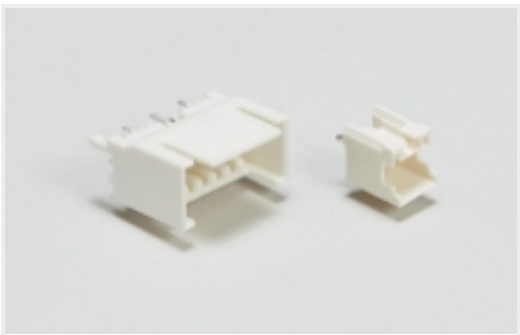
Insertion & Extraction Tools(4)



PCB Headers & Receptacles(286)



Rectangular Power Connectors(651)



Wire-to-Board Headers & Receptacles (286)

Customers Also Bought



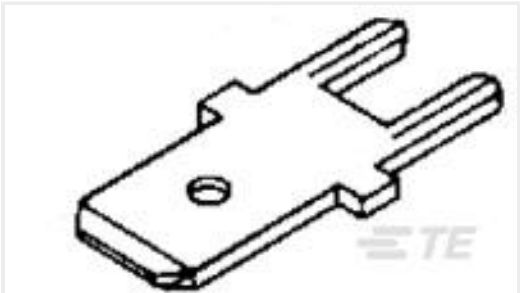
TE Part #2227303-1  
CAGE ASSEMBLY, SFP, .140 SOLDE



TE Part #6450849-7  
MBXLE R/A HED  
2ACP+1LP+32S+3HDP+1LP+1P



TE Part #1-1469492-2  
MULTIGIG RT 9MM GUIDE/ESD 45 DEG



TE Part #1-726386-2  
250 FASTON,TAB,TPBR



TE Part #1-2176330-9  
CRGP 2010 330R 1%

TE Part #1-1469492-7  
MULTIGIG RT 9MM GUIDE/ESD 270 DEG

TE Part #928343-3  
STD-TIMER GEH 3P

TE Part #HD16-9-1939SE  
PLG, 9P, BLK, E, J1939, TYPE 1

TE Part #1-963224-1  
42P MESSERLEIST MIX

TE Part #955-181-016  
CGNW 702659 SF S/FAKRAwp-na/D/C /E/5.0

Documents

Product Drawings

02P UMNL HDR ASSY PC 94VO

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_350831-1\_T.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_350831-1\_T.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_350831-1\_T.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_350831-1\_N1.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_350831-1\_N1.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_350831-1\_N1.2d\_dxf.zip

English

3D PDF

English



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**Datasheets & Catalog Pages**  
[SOFT\\_SHELL\\_PIN\\_SOCKET\\_CONNECTORS\\_STANDARD\\_DENSITY](#)  
English

**Product Specifications**  
[Application Specification](#)  
English

**Instruction Sheets**  
[Instruction Sheet \(U.S.\)](#)  
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**Agency Approvals**  
[UL](#)  
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