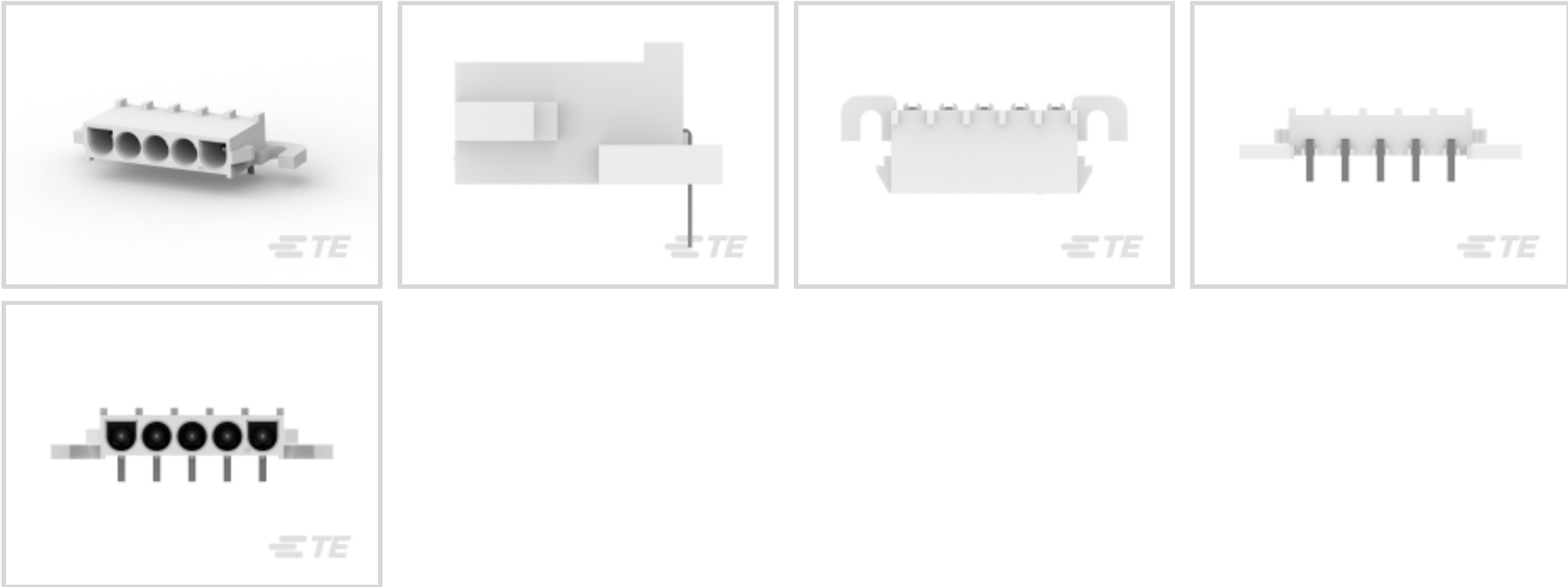




Connectors > PCB Connectors > PCB Headers & Receptacles



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

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

Number of Positions: **5**

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        | 5            |
| Number of Columns                | 5            |
| Number of Loaded Positions       | 5            |
| Connector Contact Load Condition | Fully Loaded |
| Number of Positions              | 5            |
| Number of Rows                   | 1            |



|                       |             |
|-----------------------|-------------|
| PCB Mount Orientation | Right Angle |
|-----------------------|-------------|

Electrical Characteristics

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

Body Features

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

Contact Features

|                                                         |                               |
|---------------------------------------------------------|-------------------------------|
| Contact Size                                            | 2.175mm                       |
| PCB Contact Termination Area Plating Material Thickness | 3.81 – 5.08 µm[150 – 200 µin] |
| Contact Layout                                          | Inline                        |
| Mating Pin Diameter                                     | 2.18 mm[.085 in]              |
| Contact Underplating Material Thickness                 | 1.27 – 1.79 µm[50 – 70 µin]   |
| Contact Mating Area Plating Material Thickness          | 3.81 – 5.08 µm[150 – 200 µin] |
| Contact Shape & Form                                    | Round                         |
| Contact Underplating Material                           | Nickel                        |
| PCB Contact Termination Area Plating Material           | Pre-Tin                       |
| Contact Base Material                                   | Phosphor Bronze               |
| Contact Mating Area Plating Material                    | Pre-Tin                       |
| Contact Type                                            | Pin                           |
| Contact Current Rating (Max)                            | 12 A                          |

Termination Features

|                                |                       |
|--------------------------------|-----------------------|
| Termination Post & Tail Length | 4.06 mm[.16 in]       |
| Termination Method to PCB      | Through Hole - Solder |

Mechanical Attachment

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



Housing Features

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

Dimensions

|                             |                    |
|-----------------------------|--------------------|
| Connector Length            | 50.67 mm[1.995 in] |
| Connector Height            | 9.14 mm[.36 in]    |
| Connector Width             | 17.27 mm[.68 in]   |
| PCB Thickness (Recommended) | 1.57 mm[.062 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   | CSA, UL, VDE                  |
| Compatible With Approved Standards Products | UL E28476                     |
| UL Flammability Rating                      | UL 94V-0                      |

Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 140 |
| Packaging Method   | Box |

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)<br>Candidate List Declared Against: JUNE 2024 (241)<br>Does not contain REACH SVHC |



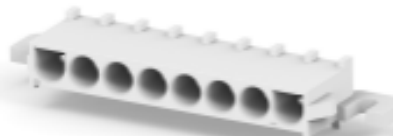
|                 |                                                                                     |
|-----------------|-------------------------------------------------------------------------------------|
| Halogen Content | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC 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

|                                                                                                                                                |                                                                                                                                                |                                                                                                                                              |                                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>TE Part # 1-350589-0<br>STR/REL CLAMP NATL              | <br>TE Part # 350811-1<br>STR/REL CLAMP                     | <br>TE Part # 350809-1<br>05P UMNL PLUG HSG             | <br>TE Part # 643030-1<br>05P UMNL STR/REL                  |
| <br>TE Part # 1969815-1<br>08P UMNL HDR ASSY R/A, PIN V0 GW | <br>TE Part # 1969812-1<br>06P UMNL HDR ASSY R/A, PIN V0 GW | <br>TE Part # 770016-1<br>05P UMNLI IN-LNE PLUG HSG KIT | <br>TE Part # 643030-2<br>05P UMNL STR/REL V2 NATL          |
| <br>TE Part # 1586892-3<br>03P UMNL HDR ASSY R/A, GW V0     | <br>TE Part # 643030-3<br>05P UMNL STR/REL V2 NATL          | <br>TE Part # 643030-4<br>05P UMNL STR/REL              | <br>TE Part # 1969808-1<br>05P UMNL HDR ASSY R/A, PIN V0 GW |



TE Part # 1586892-1  
03P UMNL HDR ASSY R/A, GW

TE Part # 1586936-1  
06P UMNL HDR ASSY R/A, GW

TE Part # 1969796-1  
02P UMNL HDR ASSY R/A, PIN V0 GW

TE Part # 350848-5  
05P UMNL PLUG TEST ASSY 94VO

TE Part # 926306-5  
UMNL 5 WAY CAP HSG

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 #1-2199299-5  
40P,DIP SKT,600 CL,LDR,PB FREE

TE Part #776087-1  
23POS,PIN DIA 1.3,HDR ASSY,90DEG, COD 1

TE Part #1761028-1  
26 50SR R/A RCPT ASSY,LEAD FREE

TE Part #440053-5  
2.5MM,HDR,5POS,R/A

TE Part #5227433-1  
BNC PCB JACK BLKHD ASSY

TE Part #640584-1  
08P UMNL HDR ASSY R/A 94VO

TE Part #643410-1  
08P UMNL PIN HDR ASSY POL 94VO

TE Part #3-1437664-8  
NC6-P108-06=NC6 ASSEMBLY

TE Part #7-1470209-6  
RCPT,2MM,06P,VRT MT,30AU,2.6ST

TE Part #281484  
MINI LEAF CONN ASSY

Documents

Product Drawings  
05P UMNL HDR ASSY R/A 94VO  
English

CAD Files  
3D PDF  
English  
Customer View Model  
ENG\_CVM\_1-350945-0\_L.2d\_dxf.zip  
English  
Customer View Model  
ENG\_CVM\_1-350945-0\_L.3d\_igs.zip  
English  
Customer View Model  
ENG\_CVM\_1-350945-0\_L.3d\_stp.zip  
English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages



SOFT\_SHELL\_PIN\_SOCKET\_CONNECTORS\_STANDARD\_DENSITY

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

UL

English