

5111008-9 ✓ ACTIVE

[AMP-LATCH](#) | [AMP-LATCH Universal Headers](#)

TE Internal #: 5111008-9

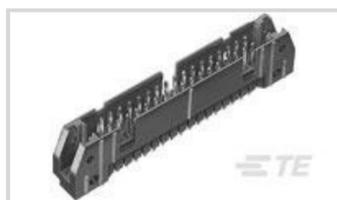
Ribbon Cable Connectors, Wire-to-Wire, 40 Position, 2.54 mm [.1 in] Centerline, Vertical, Through Hole - Solder, 2 Row, AMP-LATCH Universal Headers

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AMP-LATCH UNIVERSAL HEADERS



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

Number of Positions: **40**

Centerline (Pitch): **2.54 mm [.1 in]**

PCB Mount Retention: **With**

PCB Mount Retention Type: **Screw Mount**

[All AMP-LATCH UNIVERSAL HEADERS \(525\)](#)

## Features

### Product Type Features

|                                    |                                |
|------------------------------------|--------------------------------|
| Connector Type                     | Header                         |
| Ribbon Cable Connector Header Type | Universal Ejection Pin Headers |
| Connector Product Type             | Connector Assembly             |
| Connector System                   | Wire-to-Wire                   |
| Connector & Housing Type           | Plug                           |
| Connector & Contact Terminates To  | Printed Circuit Board          |

### Configuration Features

|                       |          |
|-----------------------|----------|
| Number of Positions   | 40       |
| PCB Mount Orientation | Vertical |
| Number of Rows        | 2        |

### Electrical Characteristics

|                       |         |
|-----------------------|---------|
| Insulation Resistance | 5000 MΩ |
| Operating Voltage     | 250 VAC |

### Body Features

|                   |          |
|-------------------|----------|
| Connector Profile | Standard |
|-------------------|----------|

### Contact Features



|   |                            |
|---|----------------------------|
| Mating Square Post Dimension                            | .64 mm[.025 in]            |
| PCB Contact Termination Area Plating Material Thickness | 2.54 $\mu$ m[100 $\mu$ in] |
| Contact Type  | Pin                        |
| Contact Mating Area Plating Material Thickness          | .76 $\mu$ m[30 $\mu$ in]   |
| Contact Mating Area Plating Material                    | Gold                       |
| Contact Shape & Form                                    | Square                     |
| PCB Contact Termination Area Plating Material           | Tin                        |
| Contact Base Material                                   | Phosphor Bronze            |
| Contact Current Rating (Max)                            | 1 A                        |

### Termination Features

|   |                       |
|---|-----------------------|
| Round Termination Post & Tail Diameter      | .64 mm[.025 in]       |
| Termination Post & Tail Length              | 2.79 mm[.11 in]       |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

### Mechanical Attachment

|                          |                             |
|--------------------------|-----------------------------|
| Mating Alignment         | With                        |
| PCB Mount Alignment      | Without                     |
| Panel Mount Feature      | Without                     |
| PCB Mount Retention      | With                        |
| PCB Mount Retention Type | Screw Mount                 |
| Mating Alignment Type    | Center, Dual Polarizing Bar |
| Mating Retention         | Without                     |
| Connector Mounting Type  | Board Mount                 |

### Housing Features

|                    |                |
|--------------------|----------------|
| Housing Material   | PCT            |
| Housing Color      | Red            |
| Centerline (Pitch) | 2.54 mm[.1 in] |

### Dimensions

|                        |                  |
|------------------------|------------------|
| Shrouded End Dimension | 3.81 mm[.15 in]  |
| Connector Length       | 70.1 mm[2.76 in] |
| Connector Height       | 8.64 mm[.548 in] |
| Row-to-Row Spacing     | 2.54 mm[.1 in]   |

### Usage Conditions



|                             |                            |
|-----------------------------|----------------------------|
| Housing Temperature Rating  | High                       |
| Operating Temperature Range | -65 – 105 °C[-85 – 221 °F] |

### Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

### Industry Standards

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

### Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 30   |
| Packaging Method   | Tray |

### Other

|         |                        |
|---------|------------------------|
| Comment | Mates with Receptacles |
|---------|------------------------|

## Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

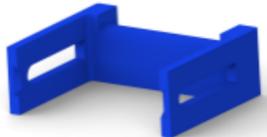
|   |  |
|---|--|
| EU RoHS Directive 2011/65/EU                  | Compliant  |
| EU ELV Directive 2000/53/EC                   | Compliant  |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold  |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2022 (224)<br>Candidate List Declared Against: JAN 2018 (181)<br>SVHC > Threshold:<br>Not Yet Reviewed |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.   |
| Solder Process Capability                     | Pin-in-Paste capable to 245°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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling

based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

## Compatible Parts

|   |   |  |   |
|---|---|--|---|
|  <p>TE Part # 499252-1<br/>040 STRAIN RELIEF A-L RCPT</p>          |  <p>TE Part # 1-1658527-3<br/>622-4041LF FEM SOCKET, LEAD FREE</p> |  <p>TE Part # 1658622-9<br/>40 NOVO MIL/CTR 30DP, LEAD FREE</p>                 |  <p>TE Part # 1658620-9<br/>40 NOVO MIL 15DP, LEAD FREE</p>          |
|  <p>TE Part # 1658621-9<br/>40 NOVO MIL/CTR 15DP, LEAD FREE</p>  |  <p>TE Part # 1658623-9<br/>40 NOVO MIL 30DP, LEAD FREE</p>      |  <p>TE Part # 2-1658526-0<br/>609-4030LF FEM SOCKET, LEAD FREE</p>            |  <p>TE Part # 2-1658526-1<br/>609-4041LF FEM SOCKET, LEAD FREE</p> |
|  <p>TE Part # 1-1658528-9<br/>636-4041LF=FEM SKT BLD POL S/R</p> |  <p>TE Part # 1658624-9<br/>40 NOVO DUAL 30DP, LEAD FREE</p>     |  <p>TE Part # CAT-AM71-A85022<br/>Female Socket Connectors: Strain Relief</p> |  <p>TE Part # 1-1658527-2<br/>622-4030LF FEM SOCKET, LEAD FREE</p> |

## Also in the Series | AMP-LATCH Universal Headers

|   |   |
|---|---|
|  <p>Ribbon Cable Connectors(525)</p> |  <p>Ribbon Connector Accessories(13)</p> |
|---|---|

## Documents

**Product Drawings**  
[A/L UNIV HDR 40P VERT HT](#)  
 English



### CAD Files

Customer View Model

[ENG\\_CVM\\_5111008-9\\_C.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_5111008-9\\_C.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_5111008-9\\_C.2d\\_dxf.zip](#)

English

**3D PDF**

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Datasheets & Catalog Pages

[Ribbon Cable Interconnect Solutions](#)

English

### Product Specifications

[Product Specification](#)

English