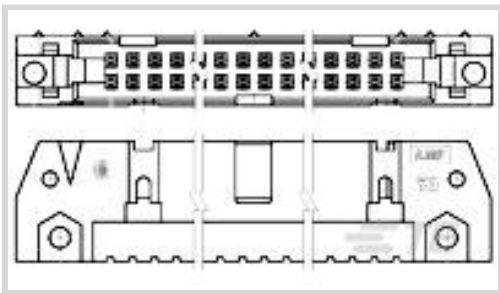




Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors >

AMP-LATCH UNIVERSAL HEADERS



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

Number of Positions: **16**

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

PCB Mount Retention: **Without**

PCB Mount Orientation: **Vertical**

[All AMP-LATCH UNIVERSAL HEADERS \(523\)](#)

Features

Product Type Features

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

Configuration Features

|                       |          |
|-----------------------|----------|
| Number of Positions   | 16       |
| PCB Mount Orientation | Vertical |
| Number of Rows        | 2        |

Electrical Characteristics

|                       |         |
|-----------------------|---------|
| Operating Voltage     | 300 VAC |
| Insulation Resistance | 5000 MΩ |

Body Features

|                       |          |
|-----------------------|----------|
| Daisy Chain           | Without  |
| Primary Product Color | Black    |
| Connector Profile     | Standard |



Contact Features

|                              |        |
|------------------------------|--------|
| Contact Shape & Form         | Square |
| Contact Current Rating (Max) | 1 A    |

Termination Features

|                           |                          |
|---------------------------|--------------------------|
| Termination Method to PCB | Through Hole - Press-Fit |
|---------------------------|--------------------------|

Mechanical Attachment

|                                       |                             |
|---------------------------------------|-----------------------------|
| Contact Retention Type Within Housing | Clearance-Fit               |
| Mating Alignment                      | With                        |
| PCB Mount Alignment                   | With                        |
| PCB Mount Retention                   | Without                     |
| Mating Alignment Type                 | Center, Dual Polarizing Bar |
| Mating Retention                      | Without                     |
| Connector Mounting Type               | Board Mount                 |

Housing Features

|                    |                |
|--------------------|----------------|
| Housing Material   | Thermoplastic  |
| Centerline (Pitch) | 2.54 mm[.1 in] |

Dimensions

|                             |                   |
|-----------------------------|-------------------|
| PCB Thickness (Recommended) | 1.6 mm            |
| Connector Length            | 39.62 mm[1.56 in] |
| Row-to-Row Spacing          | 2.54 mm[.1 in]    |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Housing Temperature Rating  | Standard                   |
| 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 Method   | Package |
| Packaging Quantity | 1       |



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                               | Not Low Halogen - contains Br or Cl > 900 ppm.  |
| 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



Also in the Series | AMP-LATCH Universal Headers



Connector Hardware(13)



Ribbon Cable Connectors(523)

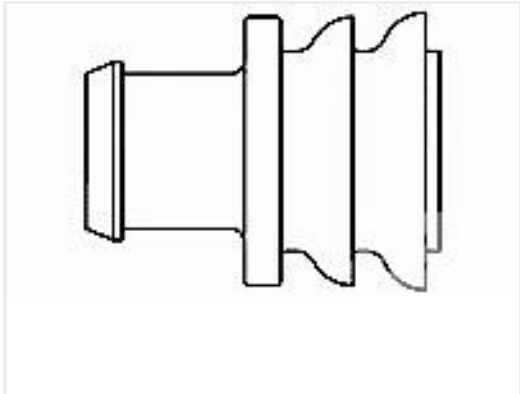
Customers Also Bought



TE Part #114017-ZZ  
SEALING PLUG, SIZE 12/16, WHT



TE Part #CAT-AM71-CH8172  
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING



TE Part #281934-2  
SINGLE WIRE SEAL



TE Part #CAT-D48-ST273  
DEUTSCH Solid Contacts



TE Part #DT04-2P  
REC, 2P, GRY, N



TE Part #DT06-2S  
PLG, 2P, GRY, N



TE Part #CAT-D487-W416  
Wedgelocks: DEUTSCH DT

Documents

Product Drawings

UNV AMP-LATCH HDR HSG 16P W/MT

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_102142-9\_AR.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_102142-9\_AR.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_102142-9\_AR.3d\_stp.zip

English

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



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**Datasheets & Catalog Pages**  
**Ribbon Cable Interconnect Solutions**

English

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**Product Specifications**  
**Product Specification**

English

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**Instruction Sheets**  
**Instruction Sheet (U.S.)**

English

**AMP INSTALLATION PROCEDURES FOR AMP-LATCH UNIVERSAL HEADER ASSEMBLIE**

English

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**Agency Approvals**  
**Agency Approval Document**

English