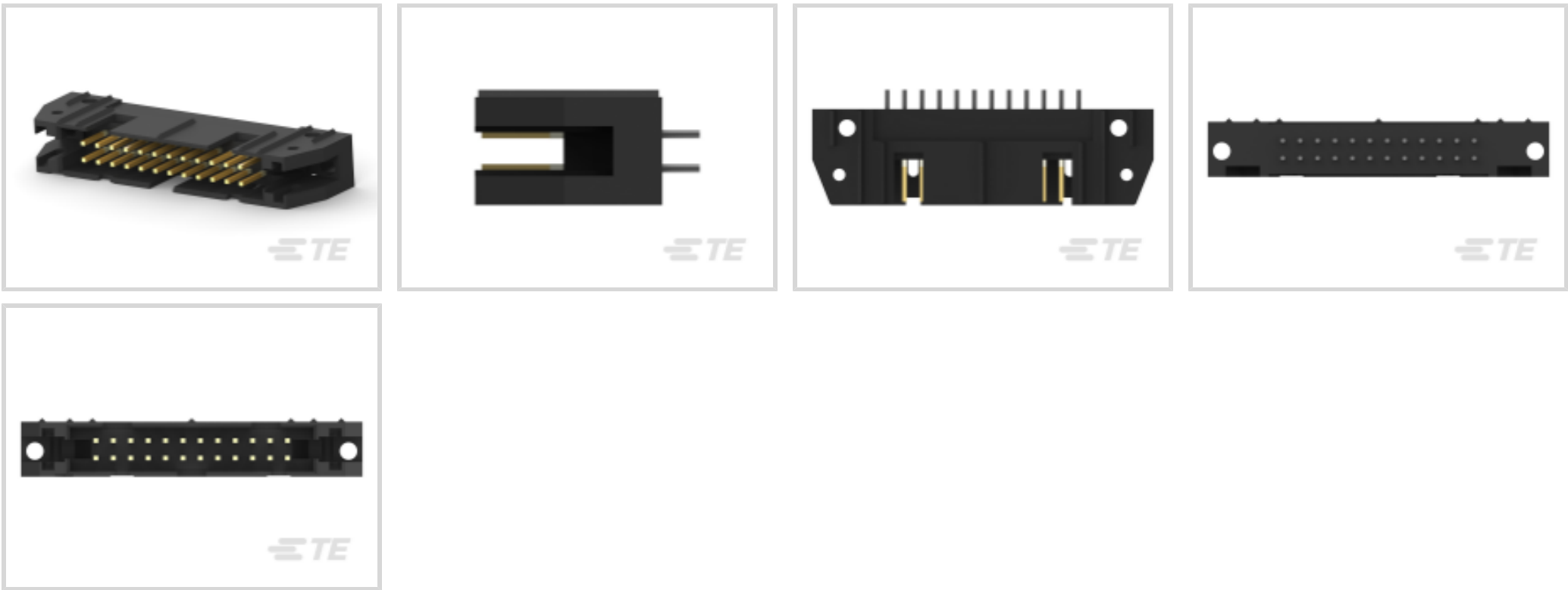




Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors >  
AMP-LATCH UNIVERSAL HEADERS



Connector System: **Wire-to-Board**  
Number of Positions: **24**  
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

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

Configuration Features

|                       |          |
|-----------------------|----------|
| Number of Positions   | 24       |
| PCB Mount Orientation | Vertical |
| Number of Rows        | 2        |

Electrical Characteristics

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



Body Features

|                       |          |
|-----------------------|----------|
| Primary Product Color | Black    |
| Connector Profile     | Standard |

Contact Features

|                                                         |                                             |
|---------------------------------------------------------|---------------------------------------------|
| Contact Underplating Material                           | Nickel                                      |
|                                                         | 15 µin                                      |
| Mating Square Post Dimension                            | .64 mm[.025 in]                             |
| Contact Shape & Form                                    | Square                                      |
| PCB Contact Termination Area Plating Material Thickness | 2.54 µm[100 µin]                            |
| Contact Mating Area Plating Material                    | Gold (Au), Gold Flash over Palladium Nickel |
| Contact Base Material                                   | Phosphor Bronze                             |
| PCB Contact Termination Area Plating Material           | Tin                                         |
| Contact Type                                            | Pin                                         |
| Contact Current Rating (Max)                            | 1 A                                         |

Termination Features

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

Mechanical Attachment

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

Housing Features

|                       |                |
|-----------------------|----------------|
| Mating Entry Location | Top            |
| Housing Material      | Nylon - GF     |
| Centerline (Pitch)    | 2.54 mm[.1 in] |

Dimensions



|                             |                   |
|-----------------------------|-------------------|
| Shrouded End Dimension      | 3.81 mm[.15 in]   |
| PCB Thickness (Recommended) | 1.57 mm[.062 in]  |
| Connector Height            | 13.94 mm[.55 in]  |
| Connector Length            | 49.78 mm[1.96 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 | 60   |
| Packaging Method   | Tray |

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

TE Part # 1658621-5  
24 NOVO MIL/CTR 15DP,LEAD FREE

TE Part # 1658623-5  
24 NOVO MIL 30DP, LEAD FREE

TE Part # 1658624-5  
024 NOVO DUAL 30DP FT

TE Part # 1-499252-0  
024 STRAIN RELIEF A-L RCPT

TE Part # 1658620-5  
24 NOVO MIL 15DP, LEAD FREE

TE Part # 2-1658527-5  
622-2441LF=FSKT IDC S 24 30AU

TE Part # 1-1658528-6  
636-2430LF=FEM SKT BLD POL

TE Part # 1658622-5  
24 NOVO MIL/CTR 30DP,LEAD FREE

Also in the Series | AMP-LATCH Universal Headers

Connector Hardware(13)

Ribbon Cable Connectors(523)

Customers Also Bought

TE Part #1546670-6  
6P .437" DR BARRIER,W/BND SCRW

TE Part #5554434-1  
EMI RCPT ASSY,24 POSN,SHLD

TE Part #643077-5  
05P MTA100 MOLDED COVER F/T

TE Part #2-1761606-9  
IDC LOW PRO HDR 26P VERT LA





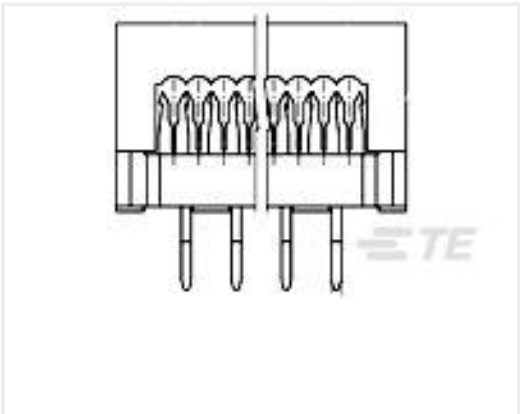
TE Part #CAT-AM74-UN384H  
AMP-LATCH UNIVERSAL HEADERS



TE Part #4-644456-0  
10P MTA100 HDR ASSY (NARROW)



TE Part #1618387-7  
LEV200A4NAA=RELAY, SPST-NO



TE Part #5746613-3  
16 DIP PLUG CONN-W/COVER

Documents

Product Drawings

A/L UNIV HDR 24P VERT

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_5102153-5\_B.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_5102153-5\_B.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_5102153-5\_B.3d\_stp.zip

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

Agency Approvals

Agency Approval Document

English