



AMP-LATCH | AMP-LATCH Universal Headers

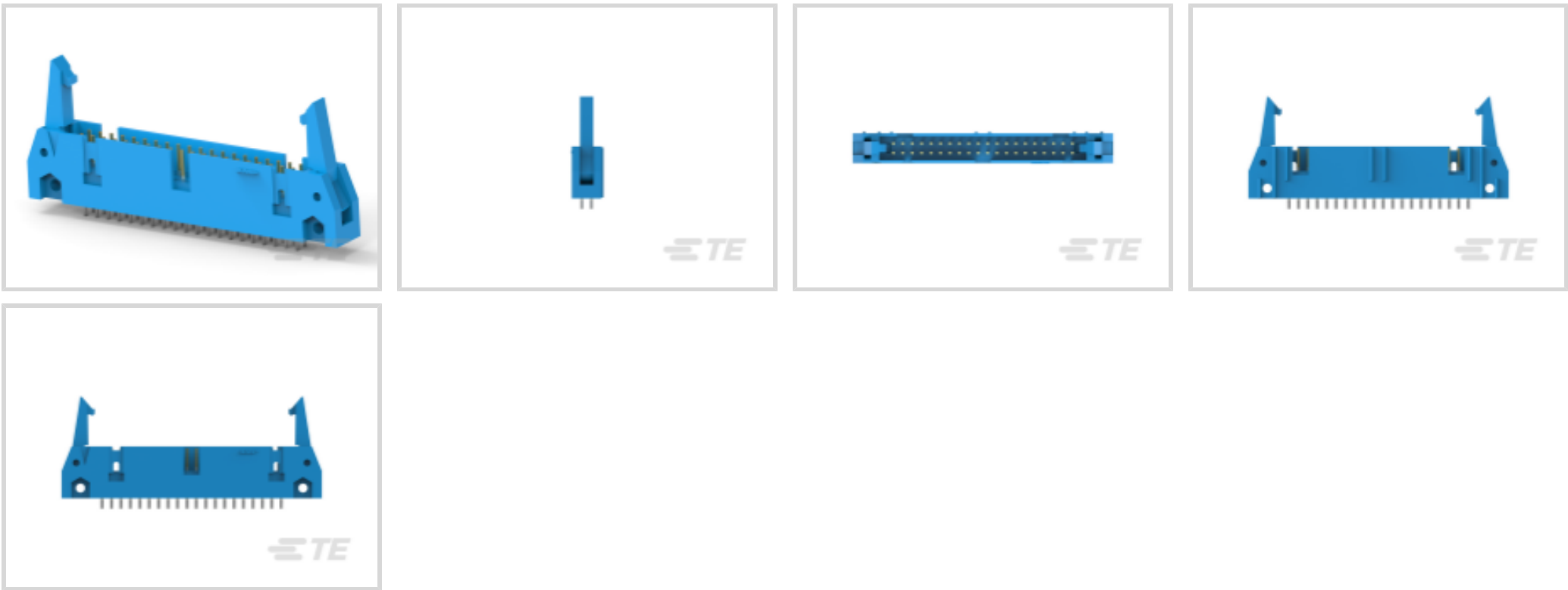
TE Internal #: 2-5499206-9

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

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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: **40**

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

PCB Mount Retention: **Without**

PCB Mount Orientation: **Vertical**

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

Features

Product Type Features

|                                    |                                |
|------------------------------------|--------------------------------|
| Ribbon Cable Connector Header Type | Universal Ejection Pin Headers |
| Connector Mating Latch & Lock Type | Long                           |
| Connector Product Type             | Connector Assembly             |
| Connector System                   | Wire-to-Board                  |
| 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                                           |                              |
| Primary Product Color                                   | Blue                         |
| Connector Profile                                       | Standard                     |
| Contact Features                                        |                              |
| Mating Square Post Dimension                            | .64 mm[.025 in]              |
| PCB Contact Termination Area Plating Material Thickness | 2.54 µm[100 µin]             |
| Contact Type                                            | Pin                          |
| Contact Mating Area Plating Material Thickness          | .76 µm[30 µin]               |
| 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                                    |                              |
| 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                                   |                              |
| Mating Alignment                                        | With                         |
| PCB Mount Alignment                                     | Without                      |
| Panel Mount Feature                                     | Without                      |
| PCB Mount Retention                                     | Without                      |
| Mating Alignment Type                                   | Center                       |
| Mating Retention                                        | With                         |
| Mating Retention Type                                   | Ejection Latch               |
| Connector Mounting Type                                 | Board Mount                  |
| Housing Features                                        |                              |
| Housing Material                                        | Glass-Filled Nylon/Polyester |
| 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            | 13.94 mm[.548 in] |
| PCB Thickness (Recommended) | 1.57 mm[.062 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 Quantity | 18   |
| 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: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<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>

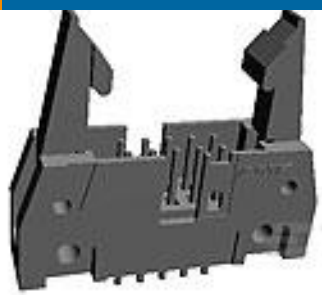
Compatible Parts

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

Also in the Series | AMP-LATCH Universal Headers

|                        |                              |
|------------------------|------------------------------|
|                        |                              |
| Connector Hardware(13) | Ribbon Cable Connectors(525) |

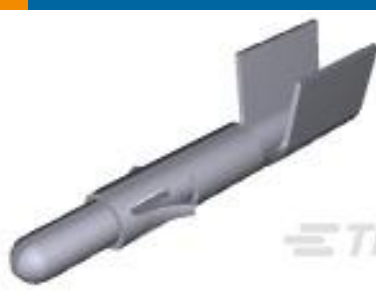
Customers Also Bought



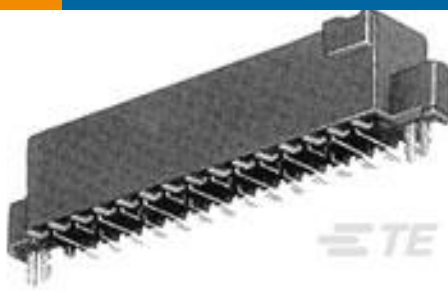
TE Part #1-5499206-0  
A/L UNIV HDR 50P VERT LG LAT



TE Part #5749263-1  
Mini DIN, 4 pos, R/A, Shield



TE Part #350922-6  
PIN, MATE-N-LOK, UMNL



TE Part #6-104652-0  
100 50/50 GRID DRST SFMNT RCPT



TE Part #640347-2  
UMNL SOK 24-18 AU/BR L/P



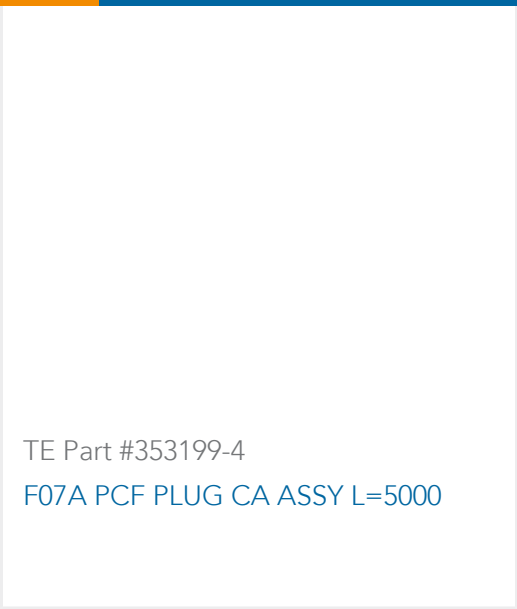
TE Part #104130-4  
020 LOPRO HDR RA 30DP LATCH



TE Part #66740-5  
TYPE XII FEMALE CONT (STRIP)



TE Part #1586055-3  
VAL-U-LOK SKT PHBZ SN 16AWG



TE Part #353199-4  
F07A PCF PLUG CA ASSY L=5000

Documents

Product Drawings

A/L UNIV HDR 40P VERT LG LAT B

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2-5499206-9\_C.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2-5499206-9\_C.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2-5499206-9\_C.3d\_stp.zip

English

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

Product Specifications



Product Specification

English

Agency Approvals

UL Report

English