# 1-5102156-1 ✔ ACTIVE

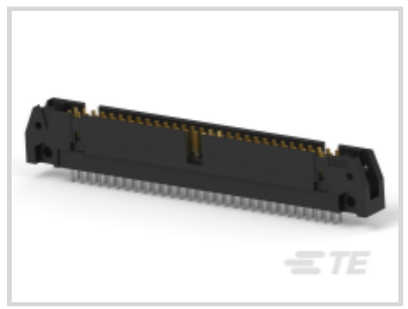
AMP-LATCH | AMP-LATCH Universal Headers

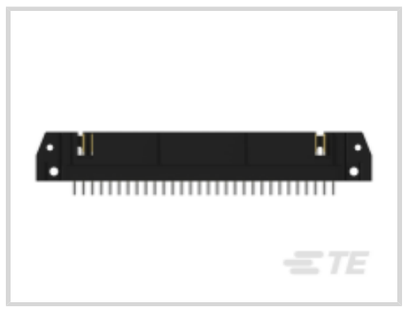
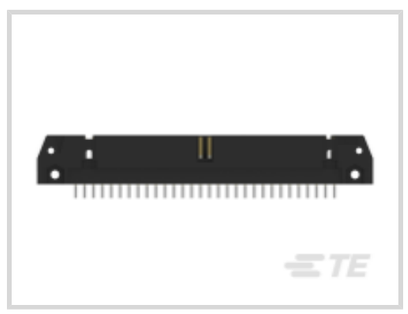
TE Internal #: 1-5102156-1

Wire-to-Board, 60 Position, 2.54 mm [.1 in] Centerline, Vertical, Through Hole - Solder, 2 Row, AMP-LATCH Universal Headers, Ribbon Cable Connectors

View on TE.com >

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: **60**

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 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 | 60 |
| PCB Mount Orientation | Vertical |
| Number of Rows | 2 |

### Electrical Characteristics

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

## Body Features

| | |
|---|---|
| Primary Product Color | Black |
| 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 |
| | 30 µin |
| Contact Mating Area Plating Material | Gold, Gold Flash over Palladium Nickel |
| Contact Shape & Form | Square |
| Contact Underplating Material | Nickel |
| 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 | 3.94 mm[.155 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, 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] |
| Connector Length | 95.5 mm[3.76 in] |
| Connector Height | 13.94 mm[.55 in] |
| PCB Thickness (Recommended) | 3.18 mm[.125 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 | Box |

## Product Compliance

For compliance documentation, visit the product page on TE.com>

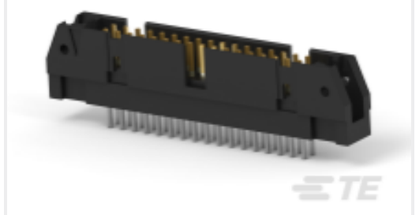
| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>Does not contain REACH SVHC |
| Halogen Content | 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 # 1-1658694-1
A/L UNIV HDR 34P ACT PIN



TE Part # 499252-7
060 STRAIN RELIEF A-L RCPT



TE Part # 1-1658622-1
60 NOVO MIL/CTR 30DP,LEAD FREE



TE Part # 1-1658621-1
60 NOVO MIL/CTR 15DP,LEAD FREE



TE Part # 1-102387-1
60 MODIV HSG COMP DR .100 POL

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



Connector Hardware(13)

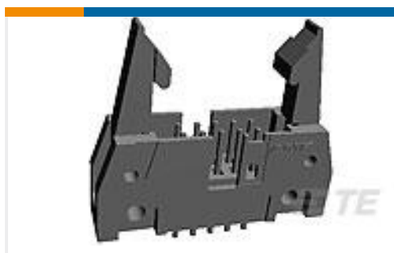


Ribbon Cable Connectors(525)

## Customers Also Bought



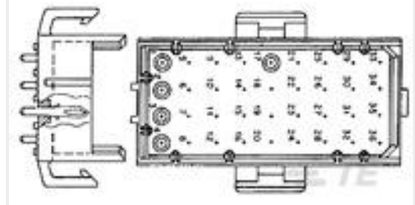
TE Part #1-66361-4
III+ PIN,18-14,30AU/FL,LP



TE Part #102321-1
010 UNIV HDR SP 4S 30DP STD L1



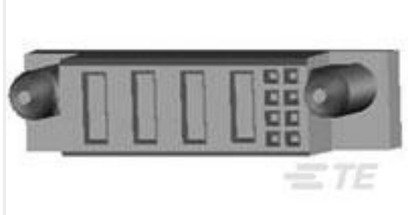
TE Part #747515-7
09 HDE PMOLD PLUG, LEAD FREE



TE Part #2-640506-4
36P MR HDR ASSY VO LF



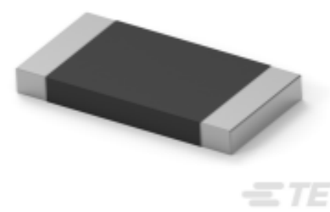
TE Part #2000905-2
Fortis Zd 20 Col Vert Center Mod Assy



TE Part #2-6450541-4
MBXL VERT RCPT 32S



TE Part #2007701-1
IMP100S,R,RA3P10C,RG,46



TE Part #9-2176422-3
TLRP 2512 3.0W R080 1% 75PPM 4K RL

TE Part #5-6450860-2
MBXLE VERT RCPT 2P+24S+2P

## Documents

### Product Drawings

A/L UNIV HDR 60P VERT

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-5102156-1_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-5102156-1_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-5102156-1_C.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

Application Specification

English

### Agency Approvals

Agency Approval Document

English

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## TE Connectivity:

1743455-2 175977-2 2834055-1 650075-000 CPF0402B37K4E1 2377783-2 2380312-2 3-1393225-0 3430B2F51RTDF 917696-1 SBCHE64R7K 1903112-2 1969656-1 ROX05SJ18R U5254-000005-030PA 2310537-1 MPT100C18RF TE50BR39J 1-962915-1 141991-2 2005330-1 936348-1 RH73H2A40MKTN SMW73R0JT 2-292161-3 3631B101LL CRGCQ2010J3K3 SBCHE154R7K 1-794222-0 1393431-1