

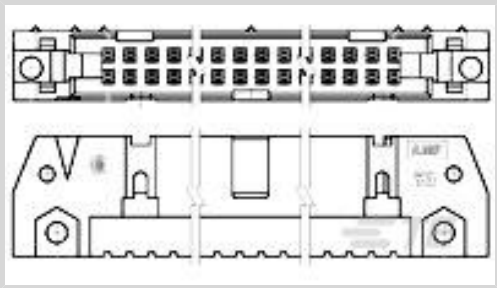


AMP-LATCH | AMP-LATCH Universal Headers

TE Internal #: 102142-1
Ribbon Cable Connectors, Wire-to-Board, 20 Position, 2.54 mm [.1 in] Centerline, Vertical, Through Hole - Press-Fit, AMP-LATCH Universal Headers

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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: **20**
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 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 | 20 |
| PCB Mount Orientation | Vertical |
| Number of Rows | 2 |

Electrical Characteristics

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

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 Printed Circuit Board | Through Hole - Press-Fit |
|---|--------------------------|

Mechanical Attachment

| | |
|---------------------------------------|-----------------------------|
| Mating Alignment | With |
| Contact Retention Type Within Housing | Clearance-Fit |
| 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

| | |
|-----------------------------|------------------|
| Connector Length | 44.7 mm[1.76 in] |
| PCB Thickness (Recommended) | 1.6 mm |
| 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 | 1 |
| Packaging Method | Package |



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 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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)

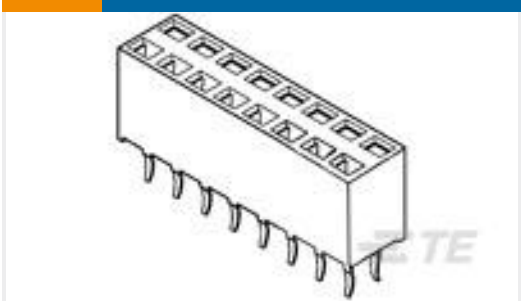


Ribbon Cable Connectors(525)

Customers Also Bought



TE Part # 1676979-4
TW 1W 10K 6.35X25PL



TE Part # 1-215307-0
2X10P HV100 REC CON. TE, 7.0MM



TE Part # 5569026-1
MJ,LPF,R/A,6P,HTN



TE Part # 4-1437622-1
KN1755BS1/4=KNOB KNURL W /SPINN

Documents

Product Drawings

UNV AMP-LATCH HDR HSG 20P W/MTG EARS

English

CAD Files

Customer View Model

ENG_CVM_CVM_102142-1_AR.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_102142-1_AR.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_102142-1_AR.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



Instruction Sheets

Instruction Sheet (U.S.)

English

AMP INSTALLATION PROCEDURES FOR AMP-LATCH UNIVERSAL HEADER ASSEMBLIE

English

Agency Approvals

Agency Approval Document

English