



AMP-LATCH | AMP-LATCH Universal Headers

TE Internal #: 1-5499345-1
Ribbon Cable Connectors, Board-to-Board, 60 Position, 2.54 mm [.1 in] Centerline, Right Angle, Through Hole - Solder, AMP-LATCH Universal Headers

[View on TE.com >](#)

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



Connector System: **Board-to-Board**
Number of Positions: **60**
Centerline (Pitch): **2.54 mm [.1 in]**
PCB Mount Retention: **Without**
PCB Mount Orientation: **Right Angle**

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

Features

Product Type Features

Ribbon Cable Connector Header Type	Universal Ejection Pin Headers
Connector Mating Latch & Lock Type	Short
Connector Product Type	Connector Assembly
Connector System	Board-to-Board
Connector & Housing Type	Plug
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	60
PCB Mount Orientation	Right Angle
Number of Rows	2

Electrical Characteristics

Insulation Resistance	5000 MΩ
-----------------------	---------



Operating Voltage	250 VAC
Body Features	
Mating Retention Feature Color	Black
Mating Retention Feature Material	Thermoplastic with Glass Fill
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
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Mating Area Plating Material	Gold or Gold Flash over Palladium Nickel
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Square
Contact Underplating Material	Nickel, Palladium Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Current Rating (Max)	1 A
Termination Features	
Round Termination Post & Tail Diameter	.64 mm[.025 in]
Termination Post & Tail Length	2.79 mm[.11 in]
Termination Method to Printed Circuit Board	Through Hole - Solder
Mechanical Attachment	
Mating Alignment	With
Contact Retention Type Within Housing	Press-Fit
PCB Mount Alignment	Without
Panel Mount Feature	Without
Panel Mount Feature Type	Mounting Ears
PCB Mount Retention	Without
Mating Alignment Type	Center & Dual
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	32 mm[1.26 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	24
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 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

TE Part # 1-1658621-1

60 NOVO MIL/CTR 15DP,LEAD FREE

Also in the Series | AMP-LATCH Universal Headers

Connector Hardware(13)

Ribbon Cable Connectors(525)

Customers Also Bought

TE Part # 1775470-4

AMP HPI 2.0 mm Headers

TE Part # 5745076-6

HD-20 RCPT 9P VERT FFSCRLK

TE Part # 6-102692-7

30 MODII 2PC HDR DR SHRD, ROHS

TE Part # 1734260-2

1.25 WTB HDR SMT, 2 POS

Documents

Product Drawings



A/L UNIV HDR 60P RA SHT LAT

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-5499345-1_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-5499345-1_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-5499345-1_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