

# AMP-LATCH | AMP-LATCH Universal Headers

TE Internal #: 5499345-2

Ribbon Cable Connectors, Board-to-Board, 14 Position, 2.54 mm [.1 in] Centerline, Right Angle, Through Hole - Solder, AMP-LATCH

Universal Headers

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Connector System: Board-to-Board

Number of Positions: 14

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	

#### Configuration Features

Number of Positions	14
PCB Mount Orientation	Right Angle
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
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	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
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

Housing Material	Glass Filled Nylon/Polyester
Centerline (Pitch)	2.54 mm[.1 in]

# Dimensions

Shrouded End Dimension	3.81 mm[.15 in]
Connector Length	37.08 mm[1.46 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
Other	
Wire-to-Board Connector Comment	Pin headers in 10- and 14-position sizes have only one slot for snap-in polarizer (military polarization), located as shown.

# **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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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





14 NOVO MIL/CTR 30DP, LEAD FREE







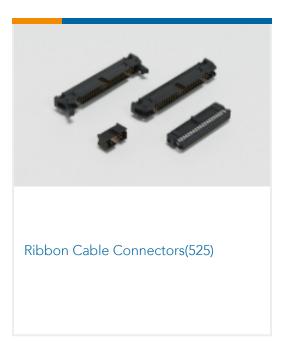






# Also in the Series | AMP-LATCH Universal Headers





# Customers Also Bought





















TE Part #254590-E SMCQ 40 M AB VV 8-13 CL \* H007 137 E005



### **Documents**

### **Product Drawings**

A/L UNIV HDR 14P RA SHT LAT

English

#### **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_5499345-2\_C.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_5499345-2\_C.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_5499345-2\_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**

**Product Specification** 

English

## **Product Environmental Compliance**

MD\_5499345-2\_111620111048

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English

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