# 5499141-5 ACTIVE

#### AMP-LATCH | AMP-LATCH Universal Headers

TE Internal #: 5499141-5

Ribbon Cable Connectors, Wire-to-Board, 24 Position, 2.54 mm [.1 in] Centerline, Right Angle, Through Hole - Solder, 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: 24

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	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	24

Number of Positions	24
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**

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]

2.79 mm[.11 in]

Through Hole - Solder

## Mechanical Attachment

Termination Post & Tail Length

Termination Method to Printed Circuit Board

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	49.78 mm[1.96 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	

Mates with Receptacles

## **Product Compliance**

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

Wire-to-Board Connector Comment

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

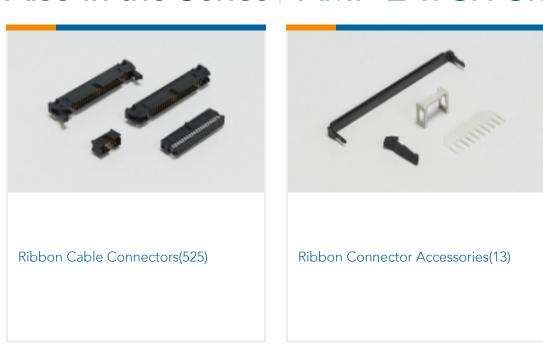
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



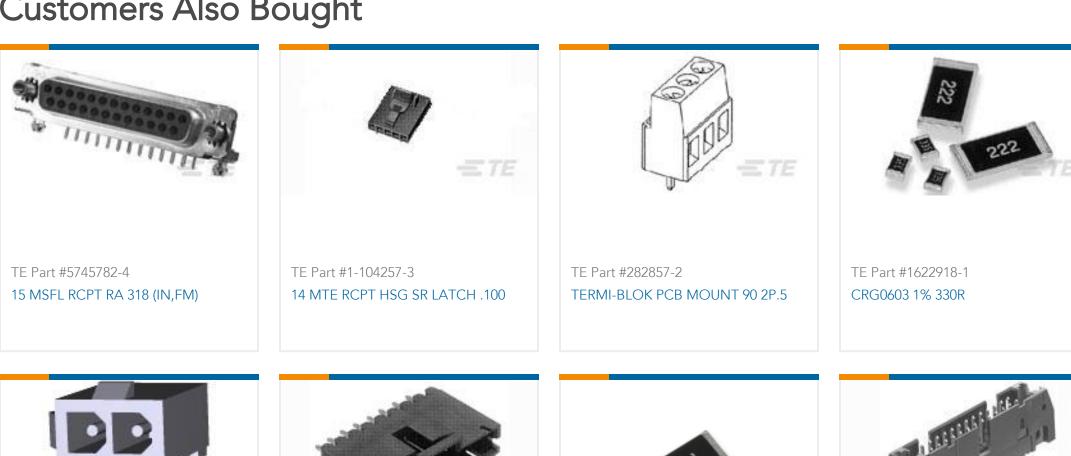
## Compatible Parts



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



## Customers Also Bought















### **Documents**

## **Product Drawings**

A/L UNIV HDR 24P RA LG LAT

English

**CAD Files** 

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_5499141-5\_C.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_5499141-5\_C.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_5499141-5\_C.3d\_stp.zip

English

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## **Product Specifications**

**Product Specification** 

English

## **Product Environmental Compliance**

**Product Compliance** 

English

**Product Compliance** 

English