

1-499910-0 ✓ ACTIVE

## AMP-LATCH | AMP-LATCH Universal Headers

TE Internal #: 1-499910-0

Board-to-Board, 50 Position, 2.54 mm [.1 in] Centerline, Vertical,  
Through Hole - Solder, 2 Row, AMP-LATCH Universal Headers,  
Ribbon Cable Connectors

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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: **50**

Centerline (Pitch): **2.54 mm [.1 in]**

PCB Mount Retention: **Without**

PCB Mount Orientation: **Vertical**

[All AMP-LATCH UNIVERSAL HEADERS \(523\)](#)

## Features

### Electrical Characteristics

Operating Voltage	250 VAC
Insulation Resistance	5000 MΩ

### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	24
Packaging Method	Tray

### Usage Conditions

Housing Temperature Rating	Standard
Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]

### Operation/Application



Solder Process Feature	Solder Dipped
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Circuit Application	Signal
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### Contact Features

	15 $\mu$ m
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Mating Square Post Dimension	.64 mm[.025 in]
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Contact Shape & Form	Square
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PCB Contact Termination Area Plating Material Thickness	2.54 $\mu$ m[100 $\mu$ m]
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Contact Mating Area Plating Material	Gold
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Contact Base Material	Brass
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PCB Contact Termination Area Plating Material	Tin-Lead
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Contact Type	Pin
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Contact Current Rating (Max)	1 A
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### Body Features

Daisy Chain	Without
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Primary Product Color	Black
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Connector Profile	Standard
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### Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]
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Connector Height	13.94 mm[.55 in]
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Row-to-Row Spacing	2.54 mm[.1 in]
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### Termination Features

Termination Post & Tail Diameter	.64 mm[.025 in]
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Termination Post & Tail Length	2.79 mm[.11 in]
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Termination Method to PCB	Through Hole - Solder
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### Mechanical Attachment

Panel Mount Feature	Without
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Mating Alignment	With
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PCB Mount Alignment	With
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PCB Mount Retention	Without
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Mating Alignment Type	Dual Polarizing Bar, Center
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Mating Retention	With
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Mating Retention Type	Ejection Latch
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Connector Mounting Type

Board Mount

### Housing Features

Housing Material

Thermoplastic

Centerline (Pitch)

2.54 mm [.1 in]

### Product Type Features

Connector Product Type

Connector Assembly

Connector Mating Latch &amp; Lock Type

Short

Ribbon Cable Connector Header Type

Universal Ejection Pin Headers

Connector System

Board-to-Board

Connector &amp; Housing Type

Receptacle

Connector &amp; Contact Terminates To

Printed Circuit Board

### Configuration Features

Number of Positions

50

PCB Mount Orientation

Vertical

Number of Rows

2

### Other

EU RoHS Compliance

Not Compliant

EU ELV Compliance

Compliant with Exemptions

## Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU

Not Compliant

EU ELV Directive 2000/53/EC

Compliant with Exemptions

China RoHS 2 Directive MIIT Order No 32, 2016

Restricted Materials Above Threshold

EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUNE 2024 (241)  
 Candidate List Declared Against: JUNE 2024 (241)  
 SVHC > Threshold:  
 Pb (13% in Component Part)

**Article Safe Usage Statements:**  
 Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

Halogen Content

Not Low Halogen - contains Br or Cl &gt; 900 ppm.

Solder Process Capability

Wave solder capable to 265°C

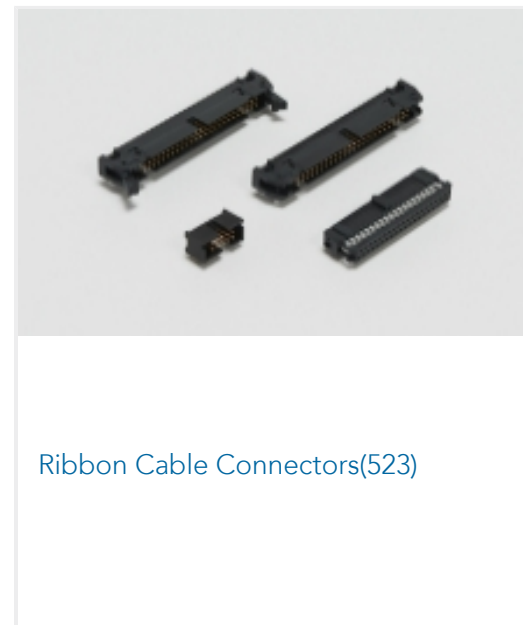
Product Compliance Disclaimer

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





TE Part #554808-1  
HDW KIT, STDOFF STUD METRIC



TE Part #5-102617-4  
12 MODII HDR DRRA SHRD LF



TE Part #5553636-2  
KIT,HDW,EMI,050/085,STD/METRIC



TE Part #1658620-3  
16 NOVO MIL 15DP, LEAD FREE



TE Part #499252-8  
016 STRAIN RELIEF A-L RCPT



TE Part #5-532955-7  
40 MODII 2PC CE RCPT ASSY, RoHS

## Documents

### Product Drawings

[050 UNIV HDR SP 4S 15DP STD L2](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-499910-0\\_F.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-499910-0\\_F.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-499910-0\\_F.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

### Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English

[AMP INSTALLATION PROCEDURES FOR AMP-LATCH UNIVERSAL HEADER ASSEMBLY](#)

English



[Agency Approvals](#)

[Agency Approval Document](#)

English