

1-499923-0 ✓ ACTIVE

AMP-LATCH | AMP-LATCH Universal Headers

TE Internal #: 1-499923-0

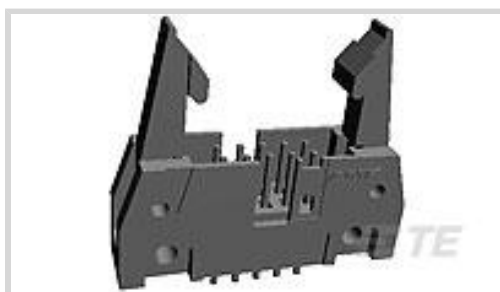
Board-to-Board, 50 Position, 2.54 mm [.1 in] Centerline, Vertical, Through Hole - Solder, 2 Row, AMP-LATCH Universal Headers, Ribbon Cable Connectors

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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: **With**

PCB Mount Retention Type: **Screw Mount**

[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	18
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
Circuit Application	Signal

### Contact Features

	15 μin
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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 $\mu$ in]
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Contact Mating Area Plating Material	Gold
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Contact Base Material	Phosphor Bronze, 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)	3.18 mm[.125 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	3.94 mm[.155 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	With
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PCB Mount Retention Type	Screw Mount
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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
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### Housing Features

Housing Material	Thermoplastic
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Centerline (Pitch) 2.54 mm[.1 in]

### Product Type Features

Connector Product Type	Connector Assembly
Connector Mating Latch & Lock Type	Long
Ribbon Cable Connector Header Type	Universal Ejection Pin Headers
Connector System	Board-to-Board
Connector & Housing Type	Receptacle
Connector & 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) <b>Article Safe Usage Statements:</b> 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 > 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

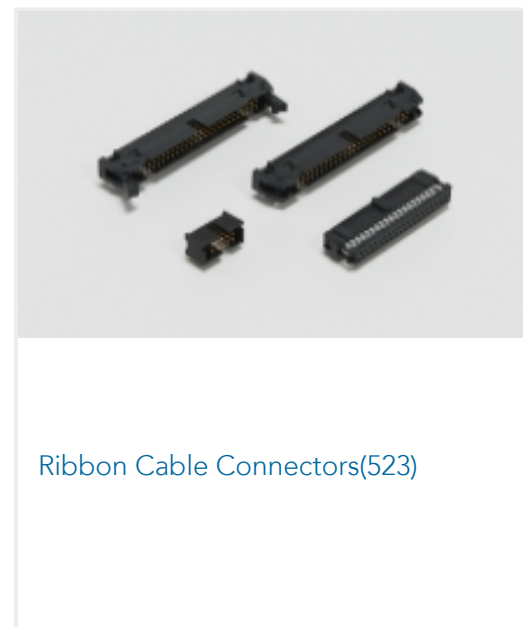


limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration 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 #2000676-1  
Keyed Guide Pin, Machined, Vita 46



TE Part #3-2176331-6  
CRGP 2512 8K2 1%



TE Part #8-2176527-1  
3503G 2B 3K74 1% 5K RL



TE Part #747252-4  
37 MSFL PLUG RA 318 (IN,FM)



TE Part #3-2176527-1  
3503G 2B 1K13 1% 5K RL



TE Part #1879071-1  
THS50 R01 5%

## Documents

### Product Drawings

[050 UNIV HDR SP 4S 15DP STD L1](#)

English

### CAD Files

[3D PDF](#)

English

**Customer View Model**

[ENG\\_CVM\\_1-499923-0\\_G.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_1-499923-0\\_G.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_1-499923-0\\_G.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