

5102161-2 ✓ ACTIVE

[AMP-LATCH](#) | [AMP-LATCH Universal Headers](#)

TE Internal #: 5102161-2

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

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[AMP-LATCH UNIVERSAL HEADERS](#)



Connector System: **Wire-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

Connector Type	Header
Ribbon Cable Connector Header Type	Universal Ejection Pin Headers
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	14
PCB Mount Orientation	Right Angle
Number of Rows	2

### Electrical Characteristics

Insulation Resistance	5000 MΩ
Operating Voltage	250 VAC

### Body Features

Connector Profile	Standard
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### 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
	15 μin
Contact Mating Area Plating Material	Gold, Gold Flash over Palladium Nickel
Contact Shape & Form	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	1 A

### Termination Features

Round Termination Post & Tail Diameter	.64 mm[.025 in]
Termination Post & Tail Length	3.94 mm[.155 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

Mating Entry Location	Top
Housing Material	Nylon - GF
Housing Color	Black
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[.55 in]



PCB Thickness (Recommended)	3.18 mm [.125 in]
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Row-to-Row Spacing	2.54 mm [.1 in]
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### Usage Conditions

Housing Temperature Rating	High
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Operating Temperature Range	-65 – 105 °C [-85 – 221 °F]
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### Operation/Application

Circuit Application	Signal
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### Industry Standards

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

Packaging Quantity	80
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Packaging Method	Box
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### Other

Comment	For Use With AMP-Latch Receptacle, Pin headers in 10- and 14-position sizes have only one slot for snap-in polarizer (military polarization), located as shown.
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## Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Wave solder capable to 265°C
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#### 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

 <p>TE Part # 499252-9 014 STRAIN RELIEF A-L RCPT</p>	 <p>TE Part # 1658526-9 609-1441LF FEM SOCKET, LEAD FREE</p>	 <p>TE Part # 1658621-2 14 NOVO MIL/CTR 15DP, LEAD FREE</p>	 <p>TE Part # 1658526-8 609-1430LF FEM SOCKET, LEAD FREE</p>
 <p>TE Part # 1658622-2 14 NOVO MIL/CTR 30DP, LEAD FREE</p>	 <p>TE Part # 1658623-2 14 NOVO MIL 30DP, LEAD FREE</p>	 <p>TE Part # 1658620-2 14 NOVO MIL 15DP, LEAD FREE</p>	 <p>TE Part # 1658527-5 622-1430LF FEM SOCKET, LEAD FREE</p>
 <p>TE Part # 1658624-2 014 NOVO DUAL 30DP FT</p>	 <p>TE Part # 2-1658527-2 622-1441LF=FSKT IDC S 14 30AU</p>	 <p>TE Part # CAT-AM71-A85022 Female Socket Connectors: Strain Relief</p>	 <p>TE Part # 1-1658528-2 636-1430LF=FEM SKT BLADE POL 1</p>

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

 <p>Ribbon Cable Connectors(525)</p>	 <p>Ribbon Connector Accessories(13)</p>
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## Documents



**Product Drawings**

[A/L UNIV HDR 14P RA](#)

English

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**CAD Files**

[3D PDF](#)

English

**Customer View Model**

[ENG\\_CVM\\_5102161-2\\_B.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_5102161-2\\_B.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_5102161-2\\_B.3d\\_stp.zip](#)

English

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**Datasheets & Catalog Pages**

[Ribbon Cable Interconnect Solutions](#)

English

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**Product Specifications**

[Product Specification](#)

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**Product Environmental Compliance**

[TE Material Declaration](#)

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**Agency Approvals**

[Agency Approval Document](#)

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