



# RIBBON CABLE CONNECTORS



Active

PRODUCT DRAWING  
English

3D PDF

TE CONNECTIVITY (TE)

## A/L UNIV HDR 14P VERT LG LAT

AMP-LATCH | Universal Headers

5499922-2

TE Internal Number: 5499922-2

Always EU RoHS/ELV Compliant

Centerline **2.54 mm [ .1 in ]**

PCB Mount Retention **Without**

PCB Mount Retention Type **Mounting Ears**

PCB Mounting Orientation **Vertical**

Termination Method to PC Board **Through Hole**

### Product Drawings

[HEADER ASSY, UNIVERSAL, AMP-LATCH](#)

PDF  
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### CAD Files

[3D PDF](#)

PDF  
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[Customer View Model](#)

2D\_DXF.ZIP  
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[Customer View Model](#)

3D\_IGS.ZIP  
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[Customer View Model](#)

3D\_STP.ZIP  
English

### Catalog Pages/Data Sheets

[Ribbon Cable Interconnect Solutions](#)

PDF  
English

[7-1773458-6\\_AMPLATCH\\_QRG](#)

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### Product Specifications

Product Specification

[AMP-LATCH And IDC Header Connectors, .100 X .100 Inch Grid](#)

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### Product Environmental Compliance

TE Material Declaration

[MD\\_5499922-2\\_07272012839](#)

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Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

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Product Type Features	PCB Mounting Orientation	<b>Vertical</b>
	Shrouded	<b>Yes</b>
	Row-to-Row Spacing	<b>2.54 mm [ .1 in ]</b>
	Connector Style	<b>Plug</b>
	Profile	<b>Standard</b>
	Applies To	<b>Printed Circuit Board</b>
	Product Type	<b>Connector</b>
	Board Standoff	<b>Without</b>
	Connector Type	<b>Header</b>
	Connector System	<b>Wire-to-Board</b>
	Ejection Latches	<b>With</b>
	Latch Type	<b>Long</b>

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Configuration Features	Number of Positions	<b>14</b>
	Number of Rows	<b>2</b>

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Electrical Characteristics	Operating Voltage (VAC)	<b>250</b>
	Insulation Resistance (MΩ)	<b>5000</b>

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Body Features	Post Size	<b>.64 mm [ .025 in ]</b>
	Header Type	<b>Universal Ejection Pin Headers</b>

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Contact Features	Contact Mating Area Plating Material	<b>Gold</b>
	Contact Shape	<b>Square</b>
	Contact Transmits (Typical)	<b>Signal (Data)</b>
	Solder Tail Contact Plating Material	<b>Tin</b>
	Contact Current Rating (A)	<b>1</b>
	Contact Base Material	<b>Brass, Phosphor Bronze</b>
	Contact Mating Area Plating Thickness (µin)	<b>15</b>
	Contact Type	<b>Pin</b>
	Contact Termination Area Plating Material	<b>Tin</b>
	Contact Termination Area Plating Thickness (µm)	<b>2.54</b>

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Termination Features	Termination Method to PC Board	<b>Through Hole</b>
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Termination Post Length **2.79 mm [ .11 in ]**

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Mechanical Attachment	PCB Mount Retention	<b>Without</b>
	PCB Mount Retention Type	<b>Mounting Ears</b>
	Mating Alignment Type	<b>Center, Dual Polarizing Bar</b>
	Mating Connector Lock	<b>With</b>
	Mating Connector Lock Type	<b>Latch</b>
	Mating Alignment	<b>With</b>
	Polarization	<b>With</b>
	Panel Mount Retention	<b>Without</b>
	Mating Retention	<b>With</b>
PCB Mount Alignment	<b>Without</b>	

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Housing Features	Centerline	<b>2.54 mm [ .1 in ]</b>
	Housing Color	<b>Black</b>
	Housing Style	<b>4-Sided</b>
	Housing Material	<b>Glass Filled Nylon/Polyester</b>

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Dimensions	Height	<b>13.94 mm [ .549 in ]</b>
	PCB Thickness (Recommended)	<b>1.57 mm [ .062 in ]</b>
	Shrouded End Dimension	<b>3.81 mm [ .15 in ]</b>
	Length (in)	<b>1.46</b>

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Usage Conditions	Temperature Rating	<b>Standard</b>
	Operating Temperature Range (°C)	<b>-65 – 105</b>

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Industry Standards	UL Flammability Rating	<b>UL 94V-0</b>
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Packaging Features	Packaging Method	<b>Tray</b>
	Packaging Quantity	<b>18</b>

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Other	Comment	<b>Pin headers in 10- and 14-position sizes have only one slot for snap-in polarizer (military polarization), located as shown.</b>
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Product Compliance [Statement of Compliance](#)  
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

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Relation Type

RELATIONSHIP

### Mating Products

Used to identify Mating Parts

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PRODUCT - MATING PRODUCTS		
	<p>Connectors - Ribbon Cable Connectors AMP-LATCH   AMP-LATCH - NOVO <b>14 NOVO MIL/CTR 30DP, LEAD FREE - 1658622-2</b> TE INTERNAL NUMBER: 1658622-2 ALIAS ID: 2-42933-5032</p> <p>✓ Active</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Centerline <b>2.54 mm</b></p> <p>PCB Mount Retention <b>Without</b></p> <p>PCB Mounting Orientation <b>Vertical</b></p> <p>Termination Method to PC Board <b>Through Hole - Solder</b></p> <p>Termination Method to Wire/Cable <b>Insulation</b> <b>Displacement Crimp (IDC)</b></p>
	<p>Connectors - Ribbon Connector Accessories AMP-LATCH   AMP-LATCH - NOVO <b>014 STRAIN RELIEF A-L RCPT - 499252-9</b> TE INTERNAL NUMBER: 499252-9</p> <p>✓ Active</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Accessory Type <b>Strain Relief</b></p>

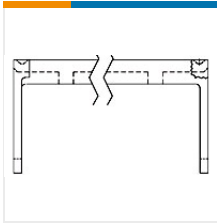
RELATIONSHIP

### Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS ✓



Connectors - Ribbon Connector Accessories  
AMP-LATCH | AMP-LATCH - NOVO

**636-1431=FEM SOKT**  
**15/M S/R - 6-1437026-6**  
TE INTERNAL NUMBER: 6-1437026-6  
ALIAS ID: 636-1431

✓ Active

Always EU RoHS/ELV Compliant

Accessory Type **Strain Relief**

Number of Positions **14**

PRODUCT - MATING PRODUCTS ✓



Connectors - Ribbon Cable Connectors  
AMP-LATCH - NOVO

**622-1430LF FEM SOCKET,**  
**LEAD FREE - 1658527-5**  
TE INTERNAL NUMBER: 1658527-5

✓ Active

Always EU RoHS/ELV Compliant

Number of Positions **14**

Connector Style **Receptacle**

RELATIONSHIP  
**Mating Products**  
Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS ✓



Connectors - Ribbon Cable Connectors  
AMP-LATCH | AMP-LATCH - NOVO

**14 NOVO MIL/CTR 15DP,**  
**LEAD FREE - 1658621-2**  
TE INTERNAL NUMBER: 1658621-2

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2.54 mm**


PCB Mount Retention **Without**

PCB Mounting Orientation  
**Vertical**

Termination Method to PC Board  
**Through Hole - Solder**

Termination Method to  
Wire/Cable **Insulation**  
**Displacement Crimp (IDC)**

PRODUCT - MATING PRODUCTS ✓



Connectors - Ribbon Connector Accessories  
AMP-LATCH | AMP-LATCH - NOVO

**014 STRAIN RELIEF A-L**  
**RCPT - 499252-9**  
TE INTERNAL NUMBER: 499252-9

✓ Active

Always EU RoHS/ELV Compliant

Accessory Type **Strain Relief**

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