



# RIBBON CABLE CONNECTORS



Active

PRODUCT DRAWING  
English

3D PDF

TE CONNECTIVITY (TE)

## A/L UNIV HDR 60P VERT LG LAT

AMP-LATCH | Universal Headers

1-5102321-1

TE Internal Number: 1-5102321-1

Alias ID: 1360876

Always EU RoHS/ELV Compliant

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

PCB Mount Retention **Without**

PCB Mounting Orientation **Vertical**

Termination Method to PC Board **Through Hole**

Shrouded **Yes**

### Product Drawings

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

PDF  
English

### CAD Files

[Customer View Model](#)

3D\_IGS.ZIP  
English

[Customer View Model](#)

3D\_STP.ZIP  
English

[Customer View Model](#)

2D\_DXF.ZIP  
English

[3D PDF](#)

PDF  
English

### Catalog Pages/Data Sheets

[Ribbon Cable Interconnect Solutions](#)

PDF  
English

### Product Specifications

Product Specification

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

PDF  
English

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

Product Type Features

PCB Mounting Orientation

**Vertical**

Shrouded

**Yes**

Row to Row Spacing

**2.54 mm [ .1 in ]**

row-to-row spacing **2.54 mm [ .1 in ]**

Connector Style **Plug**

Profile **Standard**

Product Type **Connector**

Board Standoff **Without**

Connector System **Wire-to-Board**

Ejection Latches **With**

Applies To **Printed Circuit Board**

Connector Type **Header**

Latch Type **Long**

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Configuration Features

Number of Positions **60**

Number of Rows **2**

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Electrical Characteristics

Operating Voltage (VAC) **250**

Insulation Resistance (M $\Omega$ ) **5000**

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Body Features

Post Size **.64 mm [ .025 in ]**

Header Type **Universal Ejection Pin Headers**

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Contact Features

Contact Design **Square Post**

Contact Transmits (Typical) **Signal (Data)**

Contact Current Rating (A) **1**

Contact Base Material **Copper Alloy**

Contact Type **Pin**

Contact Mating Area Plating Material **Gold Flash over Palladium Nickel, Gold**

Contact Mating Area Plating Thickness **.76  $\mu$ m [ 30  $\mu$ in ]**

Contact Shape **Square**

Solder Tail Contact Plating Material **Tin over Nickel**

Contact Termination Area Plating Material **Tin**

Contact Termination Area Plating Thickness **2.54  $\mu$ m [ 100  $\mu$ in ]**

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Termination Features

Termination Method to PC Board **Through Hole**

Termination Post Length **3.94 mm [ .155 in ]**

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Mechanical Attachment

PCB Mount Retention **Without**

Mating Alignment Type **Center, Dual Polarizing Bar**

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>

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>

Dimensions	Shrouded End Dimension	<b>3.81 mm [ .15 in ]</b>
	Length	<b>95.5 mm [ 3.76 in ]</b>
	PCB Thickness (Recommended)	<b>3.18 mm [ .125 in ]</b>
	Height	<b>13.94 mm [ .548 in ]</b>

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

Operation/Application	For Use With	<b>Mates with Receptacles</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>

Product Compliance

[Statement of Compliance PDF](#)

[VIEW ALL PRODUCT COMPLIANCE](#)

## CUSTOMERS ALSO BOUGHT

<p><b>RIBBON CONNECTOR ACCESSORIES</b></p> 	<p><b>RIBBON CABLE CONNECTORS</b></p> 	<p><b>WIRE-TO-BOARD CONNECTOR HOUSINGS</b></p> 	<p><b>BOARD-TO-BOARD HEADERS &amp; RECEPTACLES</b></p> 
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Relation Type ▼

RELATIONSHIP

**Mating Products**

Used to identify Mating Parts

[See All Mating Products](#)

	<p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - Ribbon Cable Connectors AMP-LATCH   AMP-LATCH - NOVO</p> <p><b>60 NOVO MIL/CTR 30DP, LEAD FREE - 1-1658622-1</b> TE INTERNAL NUMBER: 1-1658622-1</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></p> <p><b>Displacement Crimp (IDC)</b></p>	<input checked="" type="checkbox"/>
	<p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - Ribbon Connector Accessories AMP-LATCH   AMP-LATCH - NOVO</p> <p><b>060 STRAIN RELIEF A-L RCPT - 499252-7</b> TE INTERNAL NUMBER: 499252-7</p> <p>✓ Active</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Accessory Type <b>Strain Relief</b></p>	<input checked="" type="checkbox"/>

RELATIONSHIP

**Mating Products**

Used to identify Mating Parts

[See All Mating Products](#)

	<p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - Ribbon Cable Connectors AMP-LATCH   AMP-LATCH - NOVO</p> <p><b>60 NOVO MIL/CTR 15DP, LEAD FREE - 1-1658621-1</b> TE INTERNAL NUMBER: 1-1658621-1</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</p>	<input checked="" type="checkbox"/>
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Through Hole - Solder

Termination Method to

Wire/Cable **Insulation**

**Displacement Crimp (IDC)**



PRODUCT - MATING PRODUCTS

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

**060 STRAIN RELIEF A-L  
RCPT - 499252-7**

TE INTERNAL NUMBER: 499252-7

✓ Active

Always EU RoHS/ELV Compliant

Accessory Type **Strain Relief**



RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

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

**060 STRAIN RELIEF A-L  
RCPT - 499252-7**

TE INTERNAL NUMBER: 499252-7

✓ Active

Always EU RoHS/ELV Compliant

Accessory Type **Strain Relief**



PRODUCT - MATING PRODUCTS

Connectors - Ribbon Cable Connectors  
AMP-LATCH | Universal Headers

**A/L UNIV HDR 34P ACT  
PIN - 1-1658694-1**

TE INTERNAL NUMBER: 1-1658694-1

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2.54 mm**

PCB Mount Retention **With**

PCB Mount Retention Type

**Action/Compliant Tail**

PCB Mounting Orientation

**Vertical**

Termination Method to PC Board

**Through Hole Press Fit**

