



# RIBBON CABLE CONNECTORS



Active

PRODUCT DRAWING  
English

3D PDF

TE CONNECTIVITY (TE)

## A/L UNIV HDR 50P VERT SHT LAT

AMP-LATCH | Universal Headers

1-5499910-0

TE Internal Number: 1-5499910-0

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  
English

### CAD Files

[Customer View Model](#)

2D\_DXF.ZIP  
English

[Customer View Model](#)

3D\_IGS.ZIP  
English

[Customer View Model](#)

3D\_STP.ZIP  
English

[3D PDF](#)

PDF  
English

### Catalog Pages/Data Sheets

[Ribbon Cable Interconnect Solutions](#)

PDF  
English

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

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.

	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>Short</b>
<hr/>		
Configuration Features	Number of Positions	<b>50</b>
	Number of Rows	<b>2</b>
<hr/>		
Electrical Characteristics	Operating Voltage (VAC)	<b>250</b>
	Insulation Resistance (MΩ)	<b>5000</b>
<hr/>		
Body Features	Post Size	<b>.64 mm [ .025 in ]</b>
	Header Type	<b>Universal Ejection Pin Headers</b>
<hr/>		
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>
<hr/>		
Termination Features	Termination Method to PC Board	<b>Through Hole</b>
	Termination Post Length	<b>2.79 mm [ .11 in ]</b>
<hr/>		
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>

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	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>3.26</b>

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

Industry Standards	UL Flammability Rating	<b>UL 94V-0</b>
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Packaging Features	Packaging Method	<b>Tray</b>
	Packaging Quantity	<b>24</b>

Product Compliance

[Statement of Compliance](#)  
PDF

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Products - 10 Results

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Relation Type ▼

RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

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

**50 NOVO MIL 30DP,  
LEAD FREE - 1-1658623-0**

TE INTERNAL NUMBER: 1-1658623-0

✓ 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)**



RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - Ribbon Cable Connectors  
AMP-LATCH - NOVO

**609-5030CELF=FSKT IDC  
S 50 30A - 7-6437021-6**

TE INTERNAL NUMBER: 7-6437021-6

✓ Active

Always EU RoHS/ELV Compliant

Number of Positions **50**

Connector Style **Receptacle**



RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - Ribbon Cable Connectors  
AMP-LATCH - NOVO

**622-5030LF FEM SOCKET,  
LEAD FREE - 1-1658527-4**

TE INTERNAL NUMBER: 1-1658527-4

✓ Active

Always EU RoHS/ELV Compliant

Number of Positions **50**

Connector Style **Receptacle**

