



# RIBBON CABLE CONNECTORS



Active

PRODUCT DRAWING  
English

3D PDF

TE CONNECTIVITY (TE)

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

AMP-LATCH | Universal Headers

1-5499923-0

TE Internal Number: 1-5499923-0

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

### 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**

Pow to Pow Spacing

**2.54 mm [ .1 in ]**

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

Connector Style **Plug**

Profile **Standard**

Applies To **Printed Circuit Board**

Product Type **Connector**

Board Standoff **Without**

Connector Type **Header**

Connector System **Wire-to-Board**

Ejection Latches **With**

Latch Type **Long**

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Configuration Features Number of Positions **50**

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 Mating Area Plating Material **Gold**

Contact Shape **Square**

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

Solder Tail Contact Plating Material **Tin**

Contact Current Rating (A) **1**

Contact Base Material **Brass, Phosphor Bronze**

Contact Mating Area Plating Thickness ( $\mu$ in) **15**

Contact Type **Pin**

Contact Termination Area Plating Material **Tin**

Contact Termination Area Plating Thickness ( $\mu$ m) **2.54**

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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**

PCB Mount Retention Type **Mounting Ears**

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	Height	<b>13.94 mm [ .549 in ]</b>
	PCB Thickness (Recommended)	<b>3.18 mm [ .125 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>18</b>

Product Compliance


[Statement of Compliance](#)  
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

Products - 17 Results

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[Compare 0/10](#) 

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

**609-5000MLF=FSKT IDC S 50 30AU - 4-1658526-3**  
TE INTERNAL NUMBER: 4-1658526-3

Always EU RoHS/ELV Compliant

Number of Positions **50**

Connector Style **Receptacle**

✓ Active

PRODUCT - MATING PRODUCTS

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

**609-5031HD=FSKT IDC S 50 SR - 8-1437021-1**  
TE INTERNAL NUMBER: 8-1437021-1  
ALIAS ID: 609-5031HD

Always EU RoHS/ELV Compliant

Accessory Type **Strain Relief**

Number of Positions **50**

✓ Active

## RELATIONSHIP

### Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS

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

**609-5031HD=FSKT IDC S 50 SR - 8-1437021-1**  
TE INTERNAL NUMBER: 8-1437021-1  
ALIAS ID: 609-5031HD

Always EU RoHS/ELV Compliant

Accessory Type **Strain Relief**

Number of Positions **50**

✓ Active

PRODUCT - MATING PRODUCTS

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

**609-5030CELF=FSKT IDC S 50 30A - 7-6437021-6**  
TE INTERNAL NUMBER: 7-6437021-6

Always EU RoHS/ELV Compliant

Number of Positions **50**

Connector Style **Receptacle**

✓ Active

## RELATIONSHIP

### Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS

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

**050 NOVO DUAL 30DP FT - 1-1658624-0**  
TE INTERNAL NUMBER: 1-1658624-0

Always EU RoHS/ELV Compliant

Centerline **2.54 mm**

PCB Mount Retention **Without**

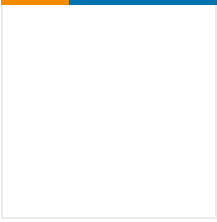
PCB Mounting Orientation  
**Vertical**

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

Termination Method to

✓ Active

PRODUCT - MATING PRODUCTS



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

## 050 STRAIN RELIEF A-L RCPT - 499252-4

TE INTERNAL NUMBER: 499252-4

✓ Active

Always EU RoHS/ELV Compliant

Accessory Type **Strain Relief**