



## RIBBON CABLE CONNECTORS



✓ Active

↓ **PRODUCT DRAWING**  
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

### A/L UNIV HDR 14P VERT

AMP-LATCH | Universal Headers

5102154-2

TE Internal Number: 5102154-2

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

[3D PDF](#)

PDF  
English

[Customer View Model](#)

2D\_DXF.ZIP  
English

[Customer View Model](#)

3D\_IGS.ZIP  
English

[Customer View Model](#)

3D\_STP.ZIP  
English

#### Catalog Pages/Data Sheets

[Ribbon Cable Interconnect Solutions](#)

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[AMPMODU\\_INTERCONNECTION\\_SYSTEM\\_SECTIONS](#)

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

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English

#### 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\\_5102154-2\\_07032014852\\_dmtec](#)













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 ]
	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	Without
Configuration Features	Number of Positions	14
	Number of Rows	2
Electrical Characteristics	Operating Voltage (VAC)	250
	Insulation Resistance (MΩ)	1000 – 5000
Body Features	Post Size	.64 mm [ .025 in ]
	Header Type	Universal Ejection Pin Headers
Contact Features	Contact Mating Area Plating Material	Gold Flash over Palladium Nickel, Gold
	Contact Shape	Square
	Contact Transmits (Typical)	Signal (Data)
	Solder Tail Contact Plating Material	Tin over Nickel
	Contact Current Rating (A)	1
	Contact Base Material	Phosphor Bronze
	Contact Mating Area Plating Thickness (µin)	30
	Contact Type	Pin
	Contact Termination Area Plating Material	Tin
	Contact Termination Area Plating Thickness	2.54 µm [ 100 µin ]
Termination Features	Termination Method to PC Board	Through Hole

Termination Features	Termination Method to PCB Board	Through Hole
	Termination Post Length	2.79 mm [ .11 in ]
Mechanical Attachment	PCB Mount Retention	Without
	Mating Alignment Type	Center, Dual Polarizing Bar
	Mating Connector Lock	Without
	Mating Connector Lock Type	Ejection Latch
	Mating Alignment	With
	Polarization	With
	Panel Mount Retention	Without
	Mating Retention	With
	PCB Mount Alignment	Without
Housing Features	Centerline	2.54 mm [ .1 in ]
	Housing Color	Black
	Housing Style	4-Sided
	Housing Entry Style	Top
	Housing Material	Nylon - GF
Dimensions	Height	13.94 mm [ .55 in ]
	Length	37.08 mm [ 1.46 in ]
	PCB Thickness (Recommended)	1.57 mm [ .062 in ]
	Shrouded End Dimension	3.81 mm [ .15 in ]
Usage Conditions	Temperature Rating	High
	Operating Temperature Range (°C)	-65 – 105
Operation/Application	For Use With	AMP-Latch Receptacle
Industry Standards	UL Flammability Rating	UL 94V-0
Packaging Features	Packaging Method	Tray
	Packaging Quantity	80
Other	Comment	Pin headers in 10- and 14-position sizes have only one slot for snap-in polarizer (military polarization), located as shown.

## CUSTOMERS ALSO BOUGHT

WIRE-TO-BOARD CONNECTOR HOUSINGS			RECTANGULAR POWER CONNECTORS
			
<b>2X7 MTE RCPT SR LATCH .100CL</b> 5-103958-6	<b>RP 2A 0.25W 22R6 0.1% 25PPM 1K RL</b> 6-1625868-1	<b>RP 2A 0.25W 40R2 0.1% 25PPM 1K RL</b> 8-1625868-5	<b>08P MICRO MNL ASSY, R/A, HDR LF</b> 3-794619-8
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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	
	<p>Connectors - Ribbon Cable Connectors AMP-LATCH   AMP-LATCH - NOVO</p> <p><b>14 NOVO MIL/CTR 15DP, LEAD FREE - 1658621-2</b></p> <p>TE INTERNAL NUMBER: 1658621-2</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>
	<p>Connectors - Ribbon Connector Accessories AMP-LATCH   AMP-LATCH - NOVO</p> <p><b>014 STRAIN RELIEF A-L RCPT - 499252-9</b></p> <p>TE INTERNAL NUMBER: 499252-9</p> <p>✓ Active</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Accessory Type <b>Strain Relief</b></p>



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

Always EU RoHS/ELV Compliant

Accessory Type **Strain Relief**

✓ Active

✓



PRODUCT - MATING PRODUCTS

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

**14 NOVO MIL 30DP, LEAD FREE - 1658623-2**  
TE INTERNAL NUMBER: 1658623-2

Always EU RoHS/ELV Compliant

Centerline **2.54 mm**

PCB Mount Retention **Without**

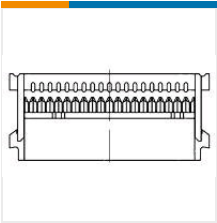
PCB Mounting Orientation  
**Vertical**

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

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

✓ Active

✓



PRODUCT - MATING PRODUCTS

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

**609-1430LF FEM SOCKET, LEAD FREE - 1658526-8**  
TE INTERNAL NUMBER: 1658526-8

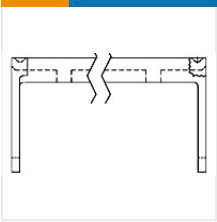
Always EU RoHS/ELV Compliant

Number of Positions **14**

Connector Style **Receptacle**

✓ Active

✓



PRODUCT - MATING PRODUCTS

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

**609-1431HD=FSKT IDC S 14 SR - 5-1437020-1**  
TE INTERNAL NUMBER: 5-1437020-1  
ALIAS ID: 609-1431HD

Always EU RoHS/ELV Compliant

Accessory Type **Strain Relief**

Number of Positions **14**

✓ Active

✓