



# RIBBON CABLE CONNECTORS



Active

PRODUCT DRAWING  
English

3D PDF

## TE CONNECTIVITY (TE) A/L UNIV HDR 10P RA LG LAT AMP-LATCH | Universal Headers

5102322-1  
TE Internal Number: 5102322-1

Always EU RoHS/ELV Compliant

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

PCB Mount Retention **Without**

PCB Mounting Orientation **Right Angle**

Termination Method to PC Board **Through Hole**

Shrouded **Yes**

### Product Drawings

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

### CAD Files

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

[3D PDF](#)  
PDF  
3D

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

[Customer View Model](#)  
3D\_STP.ZIP  
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 **Right Angle**

Shrouded **Yes**

Row to Row Spacing **2.54 mm [ .1 in ]**

	row-to-row spacing	<b>2.54 mm [ .1 in ]</b>
	Connector Style	<b>Plug</b>
	Profile	<b>Standard</b>
	Product Type	<b>Connector</b>
	Board Standoff	<b>Without</b>
	Ejection Latches	<b>With</b>
	Applies To	<b>Printed Circuit Board</b>
	Connector Type	<b>Header</b>
	Latch Type	<b>Long</b>
Configuration Features	Number of Positions	<b>10</b>
	Number of Rows	<b>2</b>
Electrical Characteristics	Operating Voltage (VAC)	<b>250</b>
	Insulation Resistance (MΩ)	<b>5000</b>
Body Features	Post Size	<b>.64 mm [ .025 in ]</b>
	Header Type	<b>Universal Ejection Pin Headers</b>
Contact Features	Contact Design	<b>Square Post</b>
	Contact Transmits (Typical)	<b>Signal (Data)</b>
	Contact Current Rating (A)	<b>1</b>
	Contact Base Material	<b>Phosphor Bronze</b>
	Contact Type	<b>Pin</b>
	Contact Mating Area Plating Material	<b>Gold Flash over Palladium Nickel, Gold</b>
	Contact Mating Area Plating Thickness	<b>.76 μm [ 30 μin ]</b>
	Contact Shape	<b>Square</b>
	Solder Tail Contact Plating Material	<b>Tin over Nickel</b>
	Contact Termination Area Plating Material	<b>Tin</b>
	Contact Termination Area Plating Thickness	<b>2.54 μm [ 100 μin ]</b>
Termination Features	Termination Method to PC Board	<b>Through Hole</b>
	Termination Post Length	<b>3.94 mm [ .155 in ]</b>
Mechanical Attachment	PCB Mount Retention	<b>Without</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	Shrouded End Dimension	<b>3.81 mm [ .15 in ]</b>
	Length	<b>32 mm [ 1.26 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>Package</b>
	Packaging Quantity	<b>16</b>

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



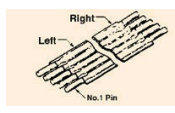

[VIEW ALL PRODUCT COMPLIANCE](#)

## CUSTOMERS ALSO BOUGHT

RIBBON CABLE CONNECTORS

WIRE-TO-BOARD HEADERS & RECEPTACLES

MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES

 <p><b>A/L UNIV HDR 16P RA LG LAT</b> 5102322-3</p> <p>Save to List Find Similar Products</p>	 <p><b>CT BOX HDR V SMT 3P O/TAPE NAT</b> 292174-3</p> <p>Save to List Find Similar Products</p>	 <p><b>FSN-24A</b> 7-6474640-7</p> <p>Save to List Find Similar Products</p>	 <p><b>03 MODII HDR SRST UNSHRD .100</b> 5-87348-3</p> <p>Save to List Find Similar Products</p>
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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  
I AMP-LATCH - NOVO

**622-1030LF FEM SOCKET, LEAD FREE - 1658527-3**

TE INTERNAL NUMBER: 1658527-3

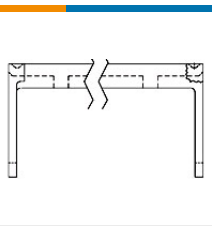
✓ Active

Always EU RoHS/ELV Compliant

Number of Positions **10**

Connector Style **Receptacle**

PRODUCT - MATING PRODUCTS



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

**636-1031=FEM SOKT 15/M S/R - 3-1437026-9**

TE INTERNAL NUMBER: 3-1437026-9  
ALIAS ID: 636-1031

✓ Active

Always EU RoHS/ELV Compliant

Accessory Type **Strain Relief**

Number of Positions **10**

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

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - Ribbon Cable Connectors  
I AMP-LATCH - NOVO

**622-1041LF FEM SOCKET, LEAD FREE - 1658527-4**

TE INTERNAL NUMBER: 1658527-4

✓ Active

Always EU RoHS/ELV Compliant

Number of Positions **10**

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

### 10 NOVO MIL/CTR 15DP, LEAD FREE - 1658621-1

TE INTERNAL NUMBER: 1658621-1  
ALIAS ID: 010-5186-10, 4-27202-1746

✓ 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

### 010 STRAIN RELIEF A-L RCPT - 499252-5

TE INTERNAL NUMBER: 499252-5  
ALIAS ID: 2-42935-7201

✓ Active

Always EU RoHS/ELV Compliant

Accessory Type **Strain Relief**

