



## RIBBON CABLE CONNECTORS



Active

PRODUCT DRAWING  
English

3D PDF

TE CONNECTIVITY (TE)

### A/L UNIV HDR 10P VERT LG LAT

AMP-LATCH | Universal Headers

5499206-1

TE Internal Number: 5499206-1

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](#)

PDF  
English

#### Product Specifications

Product Specification

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

PDF  
English

#### Product Environmental Compliance

TE Material Declaration

[MD\\_5499206-1\\_08072015047\\_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	<b>Vertical</b>
	Shrouded	<b>Yes</b>
	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>
	Connector System	<b>Wire-to-Board</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</b>
	Contact Mating Area Plating Thickness	<b>.76 μm [ 30 μin ]</b>
	Contact Shape	<b>Square</b>
	Solder Tail Contact Plating Material	<b>Tin</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>2.79 mm [ .11 in ]</b>

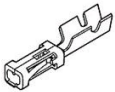



Mechanical Attachment	PCB Mount Retention	<b>Without</b>
	Mating Alignment Type	<b>Center, Dual Polarizing Bar</b>
	Mating Connector Lock	<b>With</b>
	Mating Connector Lock Type	<b>Latch</b>
	Mating Alignment	<b>With</b>
	Polarization	<b>With</b>
	Panel Mount Retention	<b>Without</b>
	PCB Mount Alignment	<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>32.004 mm [ 1.26 in ]</b>
	PCB Thickness (Recommended)	<b>1.57 mm [ .062 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>
Industry Standards	UL Flammability Rating	<b>UL 94V-0</b>
Packaging Features	Packaging Method	<b>Tray</b>
	Packaging Quantity	<b>18</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>

Product Compliance

[Statement of Compliance](#)  
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

## CUSTOMERS ALSO BOUGHT

WIRE-TO-BOARD CONNECTOR CONTACTS	PCB D-SUB CONNECTORS	RIBBON CABLE CONNECTORS	TERMINAL BLOCK HEADERS & RECEPTACLES
 <p><b>MOD IV RECP PLTD 15 SEL</b> 102917-5</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	 <p><b>37 PLUG SP/MS STD</b> 5205714-7</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	 <p><b>A/L UNIV HDR 40P VERT</b> 5102156-9</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	 <p><b>TERMI-BLOK VERTICAL PLUG STACK</b> 284040-3</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>

Products - 15 Results

[View All](#)

[Compare 0/10](#)

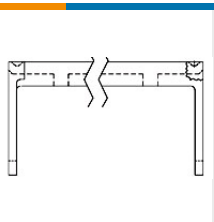

Relation Type ▼

RELATIONSHIP

### Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

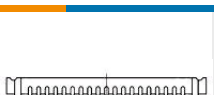
PRODUCT - MATING PRODUCTS		
	<p>Connectors - Ribbon Connector Accessories AMP-LATCH   AMP-LATCH - NOVO</p> <p><b>622-1031=FSKT IDC S 10 SR - 4-1437023-7</b></p> <p>TE INTERNAL NUMBER: 4-1437023-7 ALIAS ID: 622-1031</p> <p><a href="#">Active</a></p>	<p>Always EU RoHS/ELV Compliant</p> <p>Accessory Type <b>Strain Relief</b></p> <p>Number of Positions <b>10</b></p>
	<p>Connectors - Ribbon Cable Connectors AMP-LATCH - NOVO</p> <p><b>622-1030LF FEM SOCKET, LEAD FREE - 1658527-3</b></p> <p>TE INTERNAL NUMBER: 1658527-3</p> <p><a href="#">Active</a></p>	<p>Always EU RoHS/ELV Compliant</p> <p>Number of Positions <b>10</b></p> <p>Connector Style <b>Receptacle</b></p>

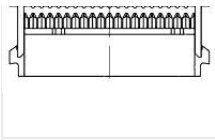
RELATIONSHIP

### Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS		
	<p>Connectors - Ribbon Cable Connectors AMP-LATCH - NOVO</p> <p><b>622-1030LF FEM SOCKET</b></p>	<p>Always EU RoHS/ELV Compliant</p>



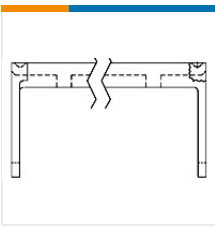
### 609-1030LF FEM SOCKET, LEAD FREE - 1658526-4

TE INTERNAL NUMBER: 1658526-4

✓ Active

Number of Positions **10**

Connector Style **Receptacle**



#### PRODUCT - MATING PRODUCTS

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

### 609-1031HD=FSKT IDC S 10 SR - 3-1437020-7

TE INTERNAL NUMBER: 3-1437020-7  
ALIAS ID: 609-1031HD

✓ 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 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**



#### PRODUCT - MATING PRODUCTS

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

### 10 NOVO MIL 15DP, LEAD FREE - 1658620-1

TE INTERNAL NUMBER: 1658620-1

✓ 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)**