



# RIBBON CABLE CONNECTORS



## TE CONNECTIVITY (TE) A/L UNIV HDR 24P VERT AMP-LATCH | Universal Headers

5102154-5  
TE Internal Number: 5102154-5

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**

Active

PRODUCT DRAWING  
English

3D PDF

### 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

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

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\\_5102154-5\\_07032014854\\_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.

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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>
	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>Without</b>

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Configuration Features	Number of Positions	<b>24</b>
	Number of Rows	<b>2</b>

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Electrical Characteristics	Operating Voltage (VAC)	<b>250</b>
	Insulation Resistance (M $\Omega$ )	<b>1000 – 5000</b>

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Body Features	Post Size	<b>.64 mm [ .025 in ]</b>
	Header Type	<b>Universal Ejection Pin Headers</b>

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Contact Features	Contact Mating Area Plating Material	<b>Gold Flash over Palladium Nickel, Gold</b>
	Contact Shape	<b>Square</b>
	Contact Transmits (Typical)	<b>Signal (Data)</b>
	Solder Tail Contact Plating Material	<b>Tin over Nickel</b>
	Contact Current Rating (A)	<b>1</b>
	Contact Base Material	<b>Phosphor Bronze</b>
	Contact Mating Area Plating Thickness ( $\mu$ m)	<b>30</b>
	Contact Type	<b>Pin</b>
	Contact Termination Area Plating Material	<b>Tin</b>
	Contact Termination Area Plating Thickness	<b>2.54 <math>\mu</math>m [ 100 <math>\mu</math>m ]</b>

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Termination Features	Termination Method to PC Board	<b>Through Hole</b>
	Termination Post Length	<b>2.79 mm [ .11 in ]</b>

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Mechanical Attachment	PCB Mount Retention	<b>Without</b>
	Mating Alignment Type	<b>Center, Dual Polarizing Bar</b>
	Mating Connector Lock	<b>Without</b>
	Mating Connector Lock Type	<b>Ejection 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>	

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Housing Features	Centerline	<b>2.54 mm [ .1 in ]</b>
	Housing Color	<b>Black</b>
	Housing Style	<b>4-Sided</b>
	Housing Entry Style	<b>Top</b>
	Housing Material	<b>Nylon - GF</b>

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Dimensions	Height	<b>13.94 mm [ .55 in ]</b>
	Length	<b>49.78 mm [ 1.96 in ]</b>
	PCB Thickness (Recommended)	<b>1.57 mm [ .062 in ]</b>
	Shrouded End Dimension	<b>3.81 mm [ .15 in ]</b>

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

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Operation/Application	For Use With	<b>AMP-Latch Receptacle</b>
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Industry Standards	UL Flammability Rating	<b>UL 94V-0</b>
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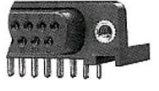

Packaging Features	Packaging Method	<b>Tray</b>
	Packaging Quantity	<b>70</b>

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Product Compliance [Statement of Compliance](#)  
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

CUSTOMERS ALSO BOUGHT

<p>SO DIMM SOCKETS</p>  <p>EMBOSS TAPE DDR3 204P 9.2H STD 2-2013310-3</p> <p>Save to List Find Similar Products</p>	<p>CIRCULAR POWER CONNECTORS</p>  <p>CPC 17-9 PSTD RECEPT ASSY LF 1-213826-1</p> <p>Save to List Find Similar Products</p>	<p>PCB D-SUB CONNECTORS</p>  <p>09 HTMSFL ASSY RA 318 (IN, BL) 5788796-2</p> <p>Save to List Find Similar Products</p>	<p>SURFACE MOUNT RESISTORS</p>  <p>RP 2A 475R 0.1% 15PPM CUT LENGTH RP73D2A475RBTG</p> <p>Save to List Find Similar Products</p>
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Products - 7 Results

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Compare 0/10



Relation Type

RELATIONSHIP

Mating Products

Used to identify Mating Parts

See All Mating Products


	<p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - Ribbon Connector Accessories AMP-LATCH   AMP-LATCH - NOVO</p> <p><b>024 STRAIN RELIEF A-L RCPT - 1-499252-0</b></p> <p>TE INTERNAL NUMBER: 1-499252-0</p> <p>✓ Active</p> <p>Always EU RoHS/ELV Compliant</p> <p>Accessory Type <b>Strain Relief</b></p>
	<p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - Ribbon Cable Connectors AMP-LATCH   AMP-LATCH - NOVO</p> <p><b>024 NOVO DUAL 30DP FT - 1658624-5</b></p> <p>TE INTERNAL NUMBER: 1658624-5</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> <b>Displacement Crimp (IDC)</b></p>

RELATIONSHIP

Mating Products

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See All Mating Products

	<p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - Ribbon Cable Connectors AMP-LATCH   AMP-LATCH - NOVO</p> <p>Always EU RoHS/ELV Compliant</p>
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## 24 NOVO MIL 30DP, LEAD FREE - 1658623-5

TE INTERNAL NUMBER: 1658623-5

✓ Active

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

## 024 STRAIN RELIEF A-L RCPT - 1-499252-0

TE INTERNAL NUMBER: 1-499252-0

✓ Active

Always EU RoHS/ELV Compliant

Accessory Type **Strain Relief**



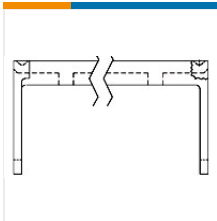
### RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

### PRODUCT - MATING PRODUCTS



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

## 622-2431=3SKT IDC S 24 SR - 1-1437024-6

TE INTERNAL NUMBER: 1-1437024-6  
ALIAS ID: 622-2431

✓ Active

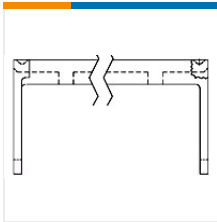
Always EU RoHS/ELV Compliant

Accessory Type **Strain Relief**

Number of Positions **24**



### PRODUCT - MATING PRODUCTS



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

## 636-2431=FEM. CON.;W/STRAIN RE - 5-1437011-3

TE INTERNAL NUMBER: 5-1437011-3  
ALIAS ID: 636-2431

✓ Active

Always EU RoHS/ELV Compliant

Accessory Type **Strain Relief**

Number of Positions **24**



### PRODUCT - MATING PRODUCTS



Connectors - Ribbon Cable Connectors  
AMP-LATCH - NOVO

## 636-2430LF=FEM SKT BLD POL - 1-1658528-6

TE INTERNAL NUMBER: 1-1658528-6

✓ Active

Always EU RoHS/ELV Compliant

Number of Positions **24**

Connector Style **Receptacle**

