



## RIBBON CABLE CONNECTORS



✓ Active

↓ **PRODUCT DRAWING**  
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

### A/L LOW PRO HDR 20P VERT HT

AMP-LATCH | [Low Profile Headers](#)

5104338-4

TE Internal Number: 5104338-4

Always EU RoHS/ELV Compliant

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

PCB Mount Retention **With**

PCB Mount Retention Type **Retention Solder Tails**

PCB Mounting Orientation **Vertical**

Termination Method to PC Board **Through Hole**

#### Product Drawings

[HEADER ASSY, VERTICAL, LOW PROFILE, 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\\_5104338-4\\_111320152242\\_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>Low</b>
	Applies To	<b>Printed Circuit Board</b>
	Product Type	<b>Connector</b>
	Board Standoff	<b>With</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>20</b>
	Number of Rows	<b>2</b>

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

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Body Features	Post Size	<b>.64 mm [ .025 in ]</b>
	Header Type	<b>Pin Header</b>
	Daisy Chain	<b>With</b>





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Contact Features	Contact Mating Area Plating Material	<b>Gold Flash over Palladium Nickel, Gold</b>
	Contact Design	<b>Square Post</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 ( $\mu$ in)	<b>15</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>in ]</b>

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Termination Features	Termination Method to PC Board	<b>Through Hole</b>
	Termination Post Length	<b>3.05 mm [ .12 in ]</b>
Mechanical Attachment	PCB Mount Retention	<b>With</b>
	PCB Mount Retention Type	<b>Retention Solder Tails</b>
	Mating Alignment Type	<b>Center, Dual Polarizing Bar</b>
	Mating Connector Lock	<b>Without</b>
	Mating Alignment	<b>With</b>
	Polarization	<b>With</b>
	Panel Mount Retention	<b>Without</b>
	Mating Retention	<b>Without</b>
Housing Features	PCB Mount Alignment	<b>Without</b>
	Centerline	<b>2.54 mm [ .1 in ]</b>
	Housing Color	<b>Black</b>
	Housing Style	<b>4-Sided</b>
Dimensions	Housing Material	<b>Glass Filled PPA</b>
	Height	<b>8.813 mm [ .347 in ]</b>
	Length	<b>33.02 mm [ 1.3 in ]</b>
	Shrouded End Dimension	<b>3.81 mm [ .15 in ]</b>
Usage Conditions	Temperature Rating	<b>High</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>Tube</b>
	Packaging Quantity	<b>30</b>
Product Compliance	<p><a href="#">Statement of Compliance PDF</a></p> <p><a href="#">VIEW ALL PRODUCT COMPLIANCE</a></p>	

CUSTOMERS ALSO BOUGHT

SIGNAL RELAYS	SWITCH KNOBS	TERMINAL BLOCKS	RIBBON CABLE CONNECTORS
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Relation Type ▼

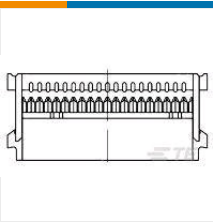
RELATIONSHIP

### Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - Ribbon Cable Connectors

#### 609-2030LF FEM SOCKET, LEAD FREE

AMP-LATCH - NOVO

Always EU RoHS/ELV Compliant

1-1658526-2

Number of Positions **20**

TE INTERNAL NUMBER: 1-1658526-2

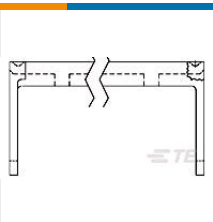
Connector Style **Receptacle**

[Product Drawing](#)

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[3D PDF](#)

PRODUCT - MATING PRODUCTS



Connectors - Ribbon Connector Accessories

#### 609-2031HD=FSKT IDC S 20 SR

AMP-LATCH | AMP-LATCH - NOVO

Always EU RoHS/ELV Compliant

8-1437020-6

Accessory Type **Strain Relief**

TE INTERNAL NUMBER: 8-1437020-6

Number of Positions **20**

ALIAS ID: 609-2031HD

[Product Drawing](#)

✓ Active

[3D PDF](#)

RELATIONSHIP

### Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - Ribbon Connector Accessories



## 020 STRAIN RELIEF A-L RCPT

AMP-LATCH | AMP-LATCH - NOVO

Always EU RoHS/ELV Compliant

499252-2

Accessory Type **Strain Relief**

TE INTERNAL NUMBER: 499252-2

ALIAS ID: 0-0499252-2, 1108423

✓ Active

[Product Drawing](#)

[3D PDF](#)

### PRODUCT - MATING PRODUCTS

Connectors - Ribbon Cable Connectors

## 20 NOVO DUAL 30DP, LEAD FREE

AMP-LATCH | AMP-LATCH - NOVO

Always EU RoHS/ELV Compliant

1658624-4

Centerline **2.54 mm**

TE INTERNAL NUMBER: 1658624-4

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 Drawing](#)

[3D PDF](#)

### RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

### PRODUCT - MATING PRODUCTS

Connectors - Ribbon Cable Connectors

## 609-2000MLF=FSKT IDC S 20 30AU

AMP-LATCH - NOVO

Always EU RoHS/ELV Compliant

3-1658526-0

Number of Positions **20**

TE INTERNAL NUMBER: 3-1658526-0

Connector Style **Receptacle**

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[Product Drawing](#)

[3D PDF](#)

### PRODUCT - MATING PRODUCTS

Connectors - Ribbon Connector Accessories

## 609-2031HD=FSKT IDC S 20 SR

AMP-LATCH | AMP-LATCH - NOVO

Always EU RoHS/ELV Compliant

8-1437020-6

Accessory Type **Strain Relief**

TE INTERNAL NUMBER: 8-1437020-6

ALIAS ID: 609-2031HD

Number of Positions **20**

✓ Active

[Product Drawing](#)

[3D PDF](#)

