



RIBBON CABLE CONNECTORS



✓ Active

↓ **PRODUCT DRAWING**
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

A/L LOW PRO HDR 50P RA BLACK

AMP-LATCH | Low Profile Headers

1-5103311-0

TE Internal Number: 1-5103311-0

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, RIGHT ANGLE, LOW PROFILE, AMP-LATCH](#)

PDF
English

CAD Files

[Customer View Model](#)

3D_IGS.ZIP
English

[Customer View Model](#)

3D_STP.ZIP
English

[Customer View Model](#)

2D_DXF.ZIP
English

[3D PDF](#)

PDF
3D

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](#)


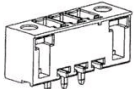


PDF
English

Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

	Shrouded	Yes
	Row-to-Row Spacing	2.54 mm [.1 in]
	Connector Style	Plug
	Profile	Low
	Applies To	Printed Circuit Board
	Product Type	Connector
	Board Standoff	With
	Connector Type	Header
	Connector System	Wire-to-Board
	Ejection Latches	Without
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Configuration Features	Number of Positions	50
	Number of Rows	2
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Electrical Characteristics	Operating Voltage (VAC)	250
	Insulation Resistance (MΩ)	5000
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Body Features	Post Size	.64 mm [.025 in]
	Header Type	Pin Header
	Daisy Chain	With
<hr/>		
Contact Features	Contact Mating Area Plating Material	Gold Flash over Palladium Nickel, Gold
	Contact Design	Square Post
	Contact Shape	Square
	Contact Transmits (Typical)	Signal (Data)
	Solder Tail Contact Plating Material	Tin over Nickel
	Contact Current Rating (A)	1
	Contact Base Material	Copper Alloy
	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]
	<hr/>	
Termination Features	Termination Method to PC Board	Through Hole
	Termination Post Length	3.43 mm [.135 in]
<hr/>		

Mechanical Attachment	PCB Mount Retention	Without
	Mating Alignment Type	Center, Dual Polarizing Bar
	Mating Connector Lock	Without
	Mating Alignment	With
	Polarization	With
	Panel Mount Retention	Without
	Mating Retention	Without
	PCB Mount Alignment	Without
<hr/>		
Housing Features	Centerline	2.54 mm [.1 in]
	Housing Color	Black
	Housing Style	4-Sided
	Housing Material	Glass Filled Nylon/PBT
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Dimensions	Height	8.813 mm [.347 in]
	Length	71.12 mm [2.8 in]
	Shrouded End Dimension	3.81 mm [.15 in]
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Usage Conditions	Temperature Rating	Standard
	Operating Temperature Range (°C)	-65 – 105
<hr/>		
Operation/Application	For Use With	Mates with Receptacles
<hr/>		
Industry Standards	UL Flammability Rating	UL 94V-0
<hr/>		
Packaging Features	Packaging Method	Tube
	Packaging Quantity	35
<hr/>		
Product Compliance	Statement of Compliance PDF VIEW ALL PRODUCT COMPLIANCE	

CUSTOMERS ALSO BOUGHT

<p>WIRE-TO-BOARD HEADERS & RECEPTACLES</p> 	<p>TERMINAL BLOCK HEADERS & RECEPTACLES</p> 	<p>TERMINAL BLOCK HEADERS & RECEPTACLES</p> 	<p>PCB D-SUB CONNECTORS</p> 
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<p>20 50/50 GRID CABLE RECPT LF 5-104893-2</p> <p>Save to List Find Similar Products</p>	<p>6 POS TERMI-BLOK HDR VERTICAL 796867-6</p> <p>Save to List Find Similar Products</p>	<p>6 POS TERMI-BLOK PLUG RT ANGLE 796859-6</p> <p>Save to List Find Similar Products</p>	<p>50 RCPT RA/MS STD (SL) 5747193-1</p> <p>Save to List Find Similar Products</p>
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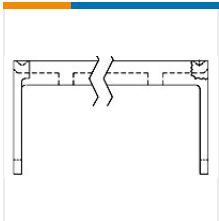
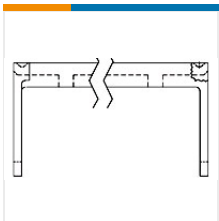
Relation Type ▼

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

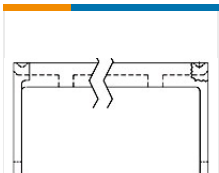
	<p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - Ribbon Cable Connectors AMP-LATCH AMP-LATCH - NOVO</p> <p>636-5030LF=FEM SKT BLADE POL 1 - 2-1658528-0</p> <p>TE INTERNAL NUMBER: 2-1658528-0</p> <p>✓ Active</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Number of Positions 50</p> <p>Connector Style Receptacle</p>	<input checked="" type="checkbox"/>
	<p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - Ribbon Connector Accessories AMP-LATCH AMP-LATCH - NOVO</p> <p>622-5031=FSKT IDC S 50 SR - 1-1437025-2</p> <p>TE INTERNAL NUMBER: 1-1437025-2 ALIAS ID: 622-5031</p> <p>✓ Active</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Accessory Type Strain Relief</p> <p>Number of Positions 50</p>	<input checked="" type="checkbox"/>
	<p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - Ribbon Connector Accessories AMP-LATCH AMP-LATCH - NOVO</p> <p>636-5031=FEM SOKT 15 MICRO - 6-1437028-8</p> <p>TE INTERNAL NUMBER: 6-1437028-8 ALIAS ID: 636-5031</p> <p>✓ Active</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Accessory Type Strain Relief</p> <p>Number of Positions 50</p>	<input checked="" type="checkbox"/>

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>609-5031HD=FSKT IDC S 50 SR - 8-1437021-1</p> <p>TE INTERNAL NUMBER: 8-1437021-1</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Accessory Type Strain Relief</p> <p>Number of Positions 50</p>	<input checked="" type="checkbox"/>
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ALIAS ID: 609-5031HD

✓ Active

PRODUCT - MATING PRODUCTS



Connectors - Ribbon Cable Connectors
I AMP-LATCH - NOVO

**609-5030CELF=FSKT IDC
S 50 30A - 7-6437021-6**

TE INTERNAL NUMBER: 7-6437021-6

✓ Active

Always EU RoHS/ELV Compliant

Number of Positions **50**

Connector Style **Receptacle**



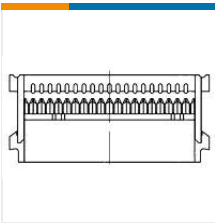
RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - Ribbon Cable Connectors
I AMP-LATCH - NOVO

**609-5030LF FEM SOCKET,
LEAD FREE - 2-1658526-3**

TE INTERNAL NUMBER: 2-1658526-3

✓ Active

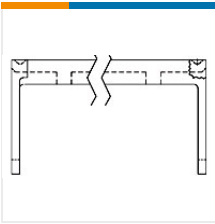
Always EU RoHS/ELV Compliant

Number of Positions **50**

Connector Style **Receptacle**



PRODUCT - MATING PRODUCTS



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

**609-5031HD=FSKT IDC S
50 SR - 8-1437021-1**

TE INTERNAL NUMBER: 8-1437021-1
ALIAS ID: 609-5031HD

✓ Active

Always EU RoHS/ELV Compliant

Accessory Type **Strain Relief**

Number of Positions **50**

