



RIBBON CABLE CONNECTORS



Active

[PRODUCT DRAWING](#)
English

[3D PDF](#)

TE CONNECTIVITY (TE)

A/L LOW PRO HDR 16P RA BLACK

AMP-LATCH | Low Profile Headers

5103310-3

TE Internal Number: 5103310-3

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](#)

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

[AMPMODU_INTERCONNECTION_SYSTEM_SECTIONS](#)

PDF
English

[7-1773458-6_AMPLATCH_QRG](#)

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_5103310-3_0416201128](#)

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]
	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
Configuration Features	Number of Positions	16
	Number of Rows	2
Electrical Characteristics	Operating Voltage (VAC)	250
	Insulation Resistance (MΩ)	5000
Body Features	Post Size	.64 mm [.025 in]
	Header Type	Pin Header
	Daisy Chain	With
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)	15
	Contact Type	Pin
	Contact Termination Area Plating Material	Tin
	Contact Termination Area Plating Thickness	2.54 µm [100 µin]

Contact Termination Area Plating Thickness **2.54 µm [100 µin]**

Termination Features Termination Method to PC Board **Through Hole**

Termination Post Length **3.43 mm [.135 in]**

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**

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

Housing Color **Black**

Housing Style **4-Sided**

Housing Material **Glass Filled Nylon/PBT**

Dimensions Height **8.813 mm [.347 in]**

Length **27.94 mm [1.1 in]**

Shrouded End Dimension **3.81 mm [.15 in]**

Usage Conditions Temperature Rating **Standard**

Operating Temperature Range (°C) **-65 – 105**

Operation/Application For Use With **Mates with Receptacles**

Industry Standards UL Flammability Rating **UL 94V-0**





Packaging Features Packaging Method **Tube**

Packaging Quantity **35**

Product Compliance [Statement of Compliance](#)
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

CUSTOMERS ALSO BOUGHT

SURFACE MOUNT RESISTORS	RIBBON CABLE CONNECTORS	SURFACE MOUNT RESISTORS	RIBBON CABLE CONNECTORS
 <p>3520 1K0 5% 35201K0JT</p> <p>Save to List Find Similar Products</p>	 <p>020 UNIV HDR SP 4S 15DP STD 102153-4</p> <p>Save to List Find Similar Products</p>	 <p>RN 0805 5K23 0.1% 10PPM 1KRL RN73C2A5K23BTDF</p> <p>Save to List Find Similar Products</p>	 <p>016 UNIV HDR SP 4S 15DP STD 102153-3</p> <p>Save to List Find Similar Products</p>

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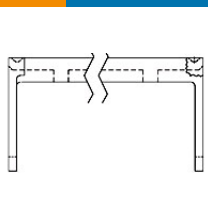
Relation Type ▼

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS		
	<p>Connectors - Ribbon Cable Connectors AMP-LATCH - NOVO</p> <p>609-1630CELF=FSKT IDC S 16 30AU - 6-6437020-2</p> <p>TE INTERNAL NUMBER: 6-6437020-2</p> <p>✓ Active</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Number of Positions 16</p> <p>Connector Style Receptacle</p>
	<p>Connectors - Ribbon Connector Accessories AMP-LATCH AMP-LATCH - NOVO</p> <p>609-1631HD=FSKT IDC S 16 SR - 6-1437020-6</p> <p>TE INTERNAL NUMBER: 6-1437020-6 ALIAS ID: 609-1631HD</p> <p>✓ Active</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Accessory Type Strain Relief</p> <p>Number of Positions 16</p>

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>016 STRAIN RELIEF A-L RCPT - 499252-8</p> <p>TE INTERNAL NUMBER: 499252-8 ALIAS ID: 1108433</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Accessory Type Strain Relief</p>

✓ Active

PRODUCT - MATING PRODUCTS



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

**16 NOVO MIL 15DP,
LEAD FREE - 1658620-3**

TE INTERNAL NUMBER: 1658620-3

✓ 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)



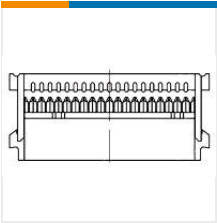
RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - Ribbon Cable Connectors
AMP-LATCH - NOVO

**609-1601MLF FEM SCKT,
LEAD FREE - 1-1658526-0**

TE INTERNAL NUMBER: 1-1658526-0

✓ Active

Always EU RoHS/ELV Compliant

Number of Positions **16**

Connector Style **Receptacle**

