



RIBBON CABLE CONNECTORS



TE CONNECTIVITY (TE)

A/L LOW PRO HDR 20P VERT BLACK

AMP-LATCH | Low Profile Headers

5103308-5

TE Internal Number: 5103308-5
Alias ID: 2-42934-6128

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, VERTICAL, 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

Qualification Test Report

[Connector, AMP-LATCH Header, .100 X .100 Inch Grid](#)

PDF
English

Product Environmental Compliance

TE Material Declaration

[MD_5103308_5_10142015250_dwtm](#)

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	Vertical
	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	Without
	Connector Type	Header
	Connector System	Wire-to-Board
Ejection Latches	Without	
Configuration Features	Number of Positions	20
	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]

Termination Features	Termination Method to PC Board	Through Hole
	Termination Post Length	3.05 mm [.12 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	33.02 mm [1.3 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
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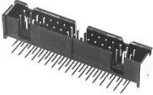


Industry Standards	UL Flammability Rating	UL 94V-0
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Packaging Features	Packaging Method	Tube
	Packaging Quantity	35

Product Compliance [Statement of Compliance](#)
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

CUSTOMERS ALSO BOUGHT

BOARD-TO-BOARD HEADERS & RECEPTACLES	RIBBON CABLE CONNECTORS	WIRE-TO-BOARD HEADERS & RECEPTACLES	FILTER ACCESSORIES
 <p>24 MODII 2PC HDR DR SHRD .100 102567-2</p> <p>Save to List Find Similar Products</p>	 <p>A/L LOW PRO HDR 20P RA BLACK 5103310-5</p> <p>Save to List Find Similar Products</p>	 <p>CT BOX HDR H SMT 6P O/TAPE BLA 2-292173-6</p> <p>Save to List Find Similar Products</p>	 <p>PA100=F6800 PA100</p> <p>Save to List Find Similar Products</p>

Products - 14 Results

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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 AMP-LATCH - NOVO 20 NOVO MIL 15DP, LEAD FREE - 1658620-4 TE INTERNAL NUMBER: 1658620-4</p> <p>✓ Active</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Centerline 2.54 mm</p> <p>PCB Mount Retention Without</p> <p>PCB Mounting Orientation Vertical</p> <p>Termination Method to PC Board Through Hole - Solder</p> <p>Termination Method to Wire/Cable Insulation Displacement Crimp (IDC)</p>	<input checked="" type="checkbox"/>
 <p>Connectors - Ribbon Connector Accessories AMP-LATCH AMP-LATCH - NOVO 020 STRAIN RELIEF A-L RCPT - 499252-2 TE INTERNAL NUMBER: 499252-2 ALIAS ID: 0-0499252-2, 1108423</p> <p>✓ Active</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Accessory Type Strain Relief</p>	<input checked="" type="checkbox"/>

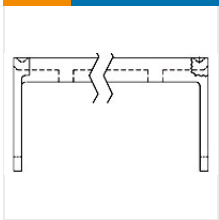
RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS ✓



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

**636-2031=FEM SOKT
15/M S/R - 1437027-7**

TE INTERNAL NUMBER: 1437027-7
ALIAS ID: 636-2031


✓ Active

Always EU RoHS/ELV Compliant

Accessory Type **Strain Relief**

Number of Positions **20**

PRODUCT - MATING PRODUCTS ✓



Connectors - Ribbon Cable Connectors
| AMP-LATCH - NOVO

**622-2030LF=FSKT IDC S
20 30AU - 2-1658527-3**

TE INTERNAL NUMBER: 2-1658527-3

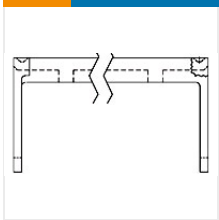
✓ Active

Always EU RoHS/ELV Compliant

Number of Positions **20**

Connector Style **Receptacle**

PRODUCT - MATING PRODUCTS ✓



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

**622-2031=FSKT IDC S 20
SR - 1437024-5**

TE INTERNAL NUMBER: 1437024-5
ALIAS ID: 622-2031

✓ Active

Always EU RoHS/ELV Compliant

Accessory Type **Strain Relief**

Number of Positions **20**

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS ✓



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

**020 STRAIN RELIEF A-L
RCPT - 499252-2**

TE INTERNAL NUMBER: 499252-2
ALIAS ID: 0-0499252-2, 1108423

✓ Active

Always EU RoHS/ELV Compliant

Accessory Type **Strain Relief**

PRODUCT - MATING PRODUCTS ✓



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

**20 NOVO MIL/CTR 30DP,
LEAD FREE - 1658622-4**

TE INTERNAL NUMBER: 1658622-4

✓ 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)