



RIBBON CABLE CONNECTORS



Active

PRODUCT DRAWING
English

3D PDF

TE CONNECTIVITY (TE)

A/L UNIV HDR 10P VERT LG LAT B

AMP-LATCH | Universal Headers

2-5102321-1

TE Internal Number: 2-5102321-1

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**

Product Drawings

[HEADER ASSY, UNIVERSAL, 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
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_2-5102321-1_04252014151_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.

Product Type Features

PCB Mounting Orientation

Vertical

Shrouded

Yes

	Row-to-Row Spacing	2.54 mm [.1 in]
	Connector Style	Plug
	Profile	Standard
	Product Type	Connector
	Board Standoff	Without
	Connector System	Wire-to-Board
	Ejection Latches	With
	Applies To	Printed Circuit Board
	Connector Type	Header
	Latch Type	Long
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Configuration Features	Number of Positions	10
	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	Universal Ejection Pin Headers
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Contact Features	Contact Design	Square Post
	Contact Transmits (Typical)	Signal (Data)
	Contact Current Rating (A)	1
	Contact Base Material	Copper Alloy
	Contact Type	Pin
	Contact Mating Area Plating Material	Gold Flash over Palladium Nickel, Gold
	Contact Mating Area Plating Thickness	.76 μm [30 μin]
	Contact Shape	Square
	Solder Tail Contact Plating Material	Tin over Nickel
	Contact Termination Area Plating Material	Tin
	Contact Termination Area Plating Thickness	2.54 μm [100 μin]
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Termination Features	Termination Method to PC Board	Through Hole
	Termination Post Length	3.94 mm [.155 in]
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Mechanical Attachment	PCB Mount Retention	Without

Mating Alignment Type	Center, Dual Polarizing Bar
Mating Connector Lock	With
Mating Connector Lock Type	Latch
Mating Alignment	With
Polarization	With
Panel Mount Retention	Without
Mating Retention	With
PCB Mount Alignment	Without

Housing Features	Centerline	2.54 mm [.1 in]
	Housing Color	Blue
	Housing Style	4-Sided
	Housing Material	Glass Filled Nylon/Polyester

Dimensions	Shrouded End Dimension	3.81 mm [.15 in]
	Length	32 mm [1.26 in]
	PCB Thickness (Recommended)	3.18 mm [.125 in]
	Height	13.94 mm [.548 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	Tray
	Packaging Quantity	18

Product Compliance

[Statement of Compliance PDF](#)

[VIEW ALL PRODUCT COMPLIANCE](#)

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS

Connectors - Ribbon Cable Connectors
I AMP-LATCH - NOVO**636-1041LSLF FEMALE
SOCKET CON**
- 2-1658528-5

TE INTERNAL NUMBER: 2-1658528-5

✓ Active

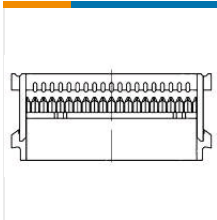
Always EU RoHS/ELV Compliant

Number of Positions **10**Connector Style **Receptacle**

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

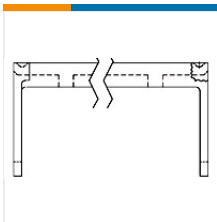
PRODUCT - MATING PRODUCTS

Connectors - Ribbon Cable Connectors
I AMP-LATCH - NOVO**609-1030LF FEM SOCKT,
LEAD FREE - 1658526-4**

TE INTERNAL NUMBER: 1658526-4

✓ Active

Always EU RoHS/ELV Compliant

Number of Positions **10**Connector Style **Receptacle**

PRODUCT - MATING PRODUCTS

Connectors - Ribbon Connector Accessories
AMP-LATCH I AMP-LATCH - NOVO**609-1031HD=FSKT IDC S
10 SR - 3-1437020-7**TE INTERNAL NUMBER: 3-1437020-7
ALIAS ID: 609-1031HD

✓ Active

Always EU RoHS/ELV Compliant

Accessory Type **Strain Relief**Number of Positions **10**

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS

Connectors - Ribbon Cable Connectors
I AMP-LATCH - NOVO**622-1041LF FEM SOCKT,
LEAD FREE - 1658527-4**

TE INTERNAL NUMBER: 1658527-4

✓ Active

Always EU RoHS/ELV Compliant

Number of Positions **10**Connector Style **Receptacle**