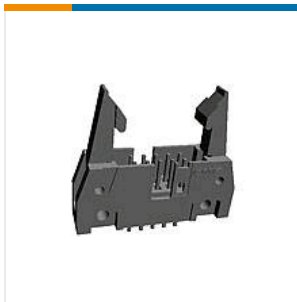




RIBBON CABLE CONNECTORS



Active

PRODUCT DRAWING
English

3D PDF

TE CONNECTIVITY (TE)

A/L UNIV HDR 40P VERT LG LAT

AMP-LATCH | Universal Headers

5102321-9

TE Internal Number: 5102321-9

Alias ID: 2-42933-3692

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

Catalog Pages/Data Sheets

[Ribbon Cable Interconnect Solutions](#)

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_5102321-9_04222014036_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	

Configuration Features	Number of Positions	40
	Number of Rows	2

Electrical Characteristics	Operating Voltage (VAC)	250
	Insulation Resistance (MΩ)	5000

Body Features	Post Size	.64 mm [.025 in]
	Header Type	Universal Ejection Pin Headers

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]

Termination Features	Termination Method to PC Board	Through Hole
	Termination Post Length	3.94 mm [.155 in]

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
	PCB Mount Alignment	Without

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

Dimensions	Shrouded End Dimension	3.81 mm [.15 in]
	Length	70.1 mm [2.76 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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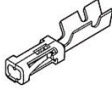
Packaging Features	Packaging Method	Tray
	Packaging Quantity	18

Product Compliance

[Statement of Compliance PDF](#)

[VIEW ALL PRODUCT COMPLIANCE](#)

CUSTOMERS ALSO BOUGHT

<p>RIBBON CABLE CONNECTORS</p>  <p>A/L UNIV HDR 30P VERT LG LAT 5102321-7</p> <p>Save to List Find Similar Products</p>	<p>THROUGH-HOLE RESISTORS</p>  <p>LR2 1% 680R LR2F680R</p> <p>Save to List Find Similar Products</p>	<p>RIBBON CABLE CONNECTORS</p>  <p>A/L UNIV HDR 34P VERT LG LAT 5102321-8</p> <p>Save to List Find Similar Products</p>	<p>WIRE-TO-BOARD CONNECTOR CONTACTS</p>  <p>MOD IV RECP LP 6-87756-8</p> <p>Save to List Find Similar Products</p>
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Products - 14 Results

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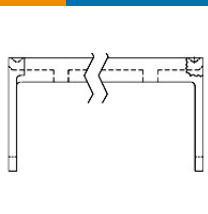
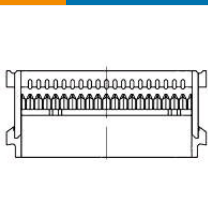
Relation Type

RELATIONSHIP

Mating Products

Used to identify Mating Parts

See All Mating Products

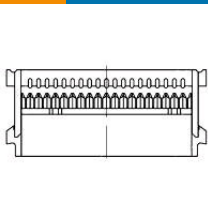
	<p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - Ribbon Connector Accessories AMP-LATCH AMP-LATCH - NOVO</p> <p>609-4031HD=FSKT IDC S 40 SR - 5-1437021-5</p> <p>TE INTERNAL NUMBER: 5-1437021-5 ALIAS ID: 609-4031HD</p> <p>Always EU RoHS/ELV Compliant</p> <p>Accessory Type Strain Relief</p> <p>Number of Positions 40</p> <p>Active</p>
	<p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - Ribbon Cable Connectors AMP-LATCH - NOVO</p> <p>609-4000MLF=FSKT IDC S 40 30AU - 4-1658526-1</p> <p>TE INTERNAL NUMBER: 4-1658526-1</p> <p>Always EU RoHS/ELV Compliant</p> <p>Number of Positions 40</p> <p>Connector Style Receptacle</p> <p>Active</p>

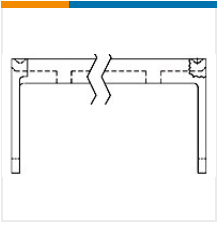
RELATIONSHIP

Mating Products

Used to identify Mating Parts

See All Mating Products

	<p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - Ribbon Cable Connectors AMP-LATCH - NOVO</p> <p>609-4030LF FEM SOCKT, LEAD FREE - 2-1658526-0</p> <p>TE INTERNAL NUMBER: 2-1658526-0</p> <p>Always EU RoHS/ELV Compliant</p> <p>Number of Positions 40</p> <p>Connector Style Receptacle</p> <p>Active</p>
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Connectors - Ribbon Connector Accessories
AMP-LATCH | AMP-LATCH - NOVO

**609-4031HD=FSKT IDC S
40 SR - 5-1437021-5**

TE INTERNAL NUMBER: 5-1437021-5
ALIAS ID: 609-4031HD

✓ Active

Always EU RoHS/ELV Compliant

Accessory Type **Strain Relief**

Number of Positions **40**



RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - Ribbon Cable Connectors
I AMP-LATCH - NOVO

**622-4041LF FEM SOCKT,
LEAD FREE - 1-1658527-3**

TE INTERNAL NUMBER: 1-1658527-3

✓ Active

Always EU RoHS/ELV Compliant

Number of Positions **40**

Connector Style **Receptacle**

