



RIBBON CABLE CONNECTORS



✓ Active

↓ **PRODUCT DRAWING**
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

A/L UNIV HDR 10P VERT

AMP-LATCH | Universal Headers

5102154-1

TE Internal Number: 5102154-1

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

[3D PDF](#)

PDF
English

[Customer View Model](#)

2D_DXF.ZIP
English

[Customer View Model](#)

3D_IGS.ZIP
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[Customer View Model](#)

3D_STP.ZIP
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Catalog Pages/Data Sheets

[AMP MODU IV & V Section Of Catalog 1307819](#)

PDF
English

[Ribbon Cable Interconnect Solutions](#)

PDF
English

[AMPMODU_INTERCONNECTION_SYSTEM_SECTIONS](#)

PDF
English

[1-1773720-9_AMPMODU_MOD_IV_V_QRG](#)

PDF
English

Product Specifications

Product Specification

[AMP-LATCH And IDC Header Connectors, .100 X .100 Inch Grid](#)

PDF
English

Product Environmental Compliance

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
	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	10
	Number of Rows	2
Electrical Characteristics	Operating Voltage (VAC)	250
	Insulation Resistance (MΩ)	1000 – 5000
Body Features	Post Size	.64 mm [.025 in]
	Header Type	Universal Ejection Pin Headers
Contact Features	Contact Mating Area Plating Material	Gold Flash over Palladium Nickel, Gold
	Contact Shape	Square
	Contact Transmits (Typical)	Signal (Data)
	Solder Tail Contact Plating Material	Tin over Nickel
	Contact Current Rating (A)	1
	Contact Base Material	Phosphor Bronze
	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]

Termination Features	Termination Method to PC Board	Through Hole
	Termination Post Length	2.79 mm [.11 in]
Mechanical Attachment	PCB Mount Retention	Without
	Mating Alignment Type	Center, Dual Polarizing Bar
	Mating Connector Lock	Without
	Mating Connector Lock Type	Ejection 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	Black
	Housing Style	4-Sided
	Housing Entry Style	Top
	Housing Material	Nylon - GF
Dimensions	Height	13.94 mm [.55 in]
	Length	32 mm [1.26 in]
	PCB Thickness (Recommended)	1.57 mm [.062 in]
	Shrouded End Dimension	3.81 mm [.15 in]
Usage Conditions	Temperature Rating	High
	Operating Temperature Range (°C)	-65 – 105
Operation/Application	For Use With	AMP-Latch Receptacle
Industry Standards	UL Flammability Rating	UL 94V-0
Packaging Features	Packaging Method	Tray
	Packaging Quantity	90
Other	Comment	Pin headers in 10- and 14-position sizes have only one slot for snap-in polarizer (military polarization), located as shown., Pin





headers in 10-position size have only slot for dual polarization, located as shown.

Product Compliance

Statement of Compliance
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

CUSTOMERS ALSO BOUGHT

RIBBON CONNECTOR ACCESSORIES	RIBBON CABLE CONNECTORS	WIRE-TO-BOARD HEADERS & RECEPTACLES	SURFACE MOUNT RESISTORS
 UNIVERSAL HEADER LATCH 102312-1	 A/L UNIV HDR 26P VERT 5102154-6	 02P MTA100 HDR ASSY FL/ST 30AU 641215-2	 RN 0805 10K 0.1% 10PPM CUT LENGTH RN73C2A10KBTG
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Relation Type ▼

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS	PRODUCT - MATING PRODUCTS
	Connectors - Ribbon Connector Accessories AMP-LATCH AMP-LATCH - NOVO 010 STRAIN RELIEF A-L RCPT - 499252-5 TE INTERNAL NUMBER: 499252-5 ALIAS ID: 2-42935-7201 Active
	Connectors - Ribbon Cable Connectors AMP-LATCH AMP-LATCH - NOVO 10 NOVO MIL 30DP, LEAD FREE - 1658623-1 TE INTERNAL NUMBER: 1658623-1 Active
	Always EU RoHS/ELV Compliant Accessory Type Strain Relief
	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

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - Ribbon Connector Accessories
AMP-LATCH | AMP-LATCH - NOVO
**010 STRAIN RELIEF A-L
RCPT - 499252-5**
TE INTERNAL NUMBER: 499252-5
ALIAS ID: 2-42935-7201

✓ Active

Always EU RoHS/ELV Compliant

Accessory Type **Strain Relief**



PRODUCT - MATING PRODUCTS

Connectors - Ribbon Cable Connectors
AMP-LATCH | AMP-LATCH - NOVO
**10 NOVO MIL/CTR 15DP,
LEAD FREE - 1658621-1**
TE INTERNAL NUMBER: 1658621-1
ALIAS ID: 010-5186-10, 4-27202-1746

✓ 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 Connector Accessories
AMP-LATCH | AMP-LATCH - NOVO
**010 STRAIN RELIEF A-L
RCPT - 499252-5**
TE INTERNAL NUMBER: 499252-5
ALIAS ID: 2-42935-7201

✓ Active

Always EU RoHS/ELV Compliant

Accessory Type **Strain Relief**



PRODUCT - MATING PRODUCTS

Connectors - Ribbon Cable Connectors
AMP-LATCH | AMP-LATCH - NOVO
**10 NOVO MIL/CTR 30DP,
LEAD FREE - 1658622-1**
TE INTERNAL NUMBER: 1658622-1

✓ 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)



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