CONNECTORS

RIBBON CABLE CONNECTORS

Active

PRODUCT DRAWING
English

3D PDF

TE CONNECTIVITY (TE)

A/L UNIV HDR 50P VERT

AMP-LATCH | Universal Headers

1-5102155-0
TE Internal Number: 1-5102155-0

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
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

Product Specifications

Product Specification

AMP-LATCH And IDC Header Connectors, .100 X .100 Inch Grid
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]**

	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	**50**
	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)	**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	**3.94 mm [.155 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	**82.8 mm [3.26 in]**
	PCB Thickness (Recommended)	**3.18 mm [.125 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	**30**
Product Compliance	Statement of Compliance PDF	
	VIEW ALL PRODUCT COMPLIANCE	

Products - 15 Results

View All

Compare 0/10

Relation Type

RELATIONSHIP

Mating Products

Used to identify Mating Parts

See All Mating Products

PRODUCT - MATING PRODUCTS

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

50 NOVO MIL 30DP, LEAD FREE - 1-1658623-0

TE INTERNAL NUMBER: 1-1658623-0

✔ 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)**

PRODUCT - MATING PRODUCTS

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

050 STRAIN RELIEF A-L RCPT - 499252-4

TE INTERNAL NUMBER: 499252-4

✔ Active

Always EU RoHS/ELV Compliant

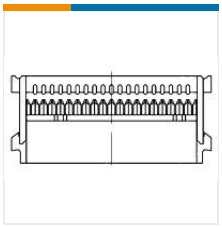
Accessory Type **Strain Relief**

RELATIONSHIP

Mating Products

Used to identify Mating Parts

See All Mating Products



PRODUCT - MATING PRODUCTS

Connectors - Ribbon Cable Connectors
| AMP-LATCH - NOVO

609-5030LF FEM SOCKT, LEAD FREE - 2-1658526-3

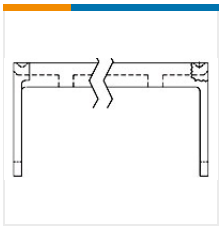
TE INTERNAL NUMBER: 2-1658526-3

✔ Active

Always EU RoHS/ELV Compliant

Number of Positions **50**

Connector Style **Receptacle**



PRODUCT - MATING PRODUCTS

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

609-5031HD=FSKT IDC S 50 SR - 8-1437021-1

TE INTERNAL NUMBER: 8-1437021-1
ALIAS ID: 609-5031HD

✔ Active

Always EU RoHS/ELV Compliant

Accessory Type **Strain Relief**

Number of Positions **50**

RELATIONSHIP

Mating Products

Used to identify Mating Parts

See All Mating Products

PRODUCT - MATING PRODUCTS

Connectors - Ribbon Cable Connectors
| AMP-LATCH - NOVO

609-5030CELF=FSKT IDC

Always EU RoHS/ELV Compliant

Number of Positions **50**

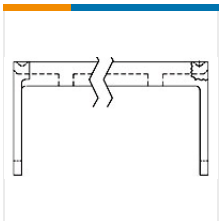
S 50 30A - 7-6437021-6

TE INTERNAL NUMBER: 7-6437021-6

✔ Active

Connector Style **Receptacle**

PRODUCT - MATING PRODUCTS



Connectors - Ribbon Connector Accessories

AMP-LATCH | AMP-LATCH - NOVO

609-5031HD=FSKT IDC S 50 SR - 8-1437021-1

TE INTERNAL NUMBER: 8-1437021-1

ALIAS ID: 609-5031HD

✔ Active

Always EU RoHS/ELV Compliant

Accessory Type **Strain Relief**

Number of Positions **50**