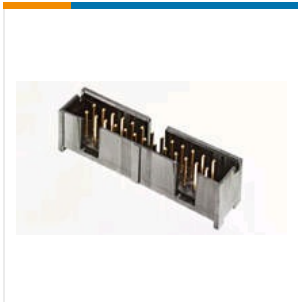




RIBBON CABLE CONNECTORS



Active

PRODUCT DRAWING
English

3D PDF

TE CONNECTIVITY (TE)

A/L LOW PRO HDR 16P VERT BLACK

AMP-LATCH | Low Profile Headers

5103309-3

TE Internal Number: 5103309-3

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, VERTICAL, LOW PROFILE, AMP-LATCH](#)

PDF
English

CAD Files

[3D PDF](#)

PDF
English

[Customer View Model](#)

2D_DXF.ZIP
English

[Customer View Model](#)

3D_IGS.ZIP
English

[Customer View Model](#)

3D_STP.ZIP
English

Catalog Pages/Data Sheets

[AMPMODU_INTERCONNECTION_SYSTEM_SECTIONS](#)

PDF
English

[Ribbon Cable Interconnect Solutions](#)

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_5103309-3_05202014255_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	Low
	Applies To	Printed Circuit Board
	Product Type	Connector
	Board Standoff	With
	Connector Type	Header
	Connector System	Wire-to-Board
Ejection Latches	Without	

Configuration Features	Number of Positions	16
	Number of Rows	2

Electrical Characteristics	Operating Voltage (VAC)	250
	Insulation Resistance (M Ω)	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 (μ in)	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	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	27.94 mm [1.1 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
Industry Standards	UL Flammability Rating	UL 94V-0
Packaging Features	Packaging Method	Tube
	Packaging Quantity	35

Product Compliance

[Statement of Compliance](#)
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

THROUGH-HOLE RESISTORS	CRIMP RINGS & SPADES	RIBBON CABLE CONNECTORS	PCB D-SUB CONNECTORS
			
CBT 1/4 5% 1R0 CBT25J1R0	TERMINAL, SOLIS SPD 16-14 6 322996	A/L LOW PRO HDR 50P VERT BLACK 1-5103309-0	25 PLUG SP/FMS BRDLK 2-5747704-0
Save to List Find Similar Products	Save to List Find Similar Products	Save to List Find Similar Products	Save to List Find Similar Products

Products - 14 Results

[View All](#)

Compare 0/10



Relation Type

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)


	<p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - Ribbon Cable Connectors AMP-LATCH AMP-LATCH - NOVO 16 NOVO MIL 30DP, LEAD FREE - 1658623-3 TE INTERNAL NUMBER: 1658623-3</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>	
	<p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - Ribbon Connector Accessories AMP-LATCH AMP-LATCH - NOVO 016 STRAIN RELIEF A-L RCPT - 499252-8 TE INTERNAL NUMBER: 499252-8 ALIAS ID: 1108433</p> <p> Active</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Accessory Type Strain Relief</p>	

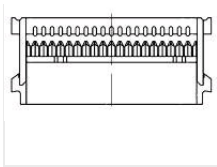
RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

	<p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - Ribbon Cable Connectors</p>	<p>Always EU RoHS/ELV Compliant</p>	
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AMP-LATCH - NOVO

609-1601MLF FEM SCKT, LEAD FREE - 1-1658526-0

TE INTERNAL NUMBER: 1-1658526-0

Number of Positions **16**

Connector Style **Receptacle**

✓ Active

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



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

16 NOVO MIL/CTR 30DP, LEAD FREE - 1658622-3

TE INTERNAL NUMBER: 1658622-3

✓ 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

016 STRAIN RELIEF A-L RCPT - 499252-8

TE INTERNAL NUMBER: 499252-8
ALIAS ID: 1108433

✓ Active

Always EU RoHS/ELV Compliant

Accessory Type **Strain Relief**

