



RIBBON CABLE CONNECTORS



✓ Active

↓ **PRODUCT DRAWING**
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

10 NOVO MIL 15DP, LEAD FREE

[AMP-LATCH](#) | [AMP-LATCH - NOVO](#)

1658620-1

TE Internal Number: 1658620-1

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 - Solder**

Termination Method to Wire/Cable **Insulation Displacement Crimp (IDC)**

Product Drawings

[RECEPTACLE ASSY, MILITARY POLARIZATION, LEAD FREE, AMP-LATCH NOVO](#)

PDF
English

CAD Files

[Customer View Model](#)

3D_STP.ZIP
English

[Customer View Model](#)

2D_DXF.ZIP
English

[3D PDF](#)

PDF
3D

[Customer View Model](#)

3D_IGS.ZIP
English

Catalog Pages/Data Sheets

[Ribbon Cable Interconnect Solutions](#)

PDF
English

Product Specifications

Product Specification

[Connector, Flat Cable Round Conductor, AMP-LATCH Novo Receptacles](#)

PDF
English

Application Specification

[AMP-LATCH Novo Receptacles For Ribbon Cable With Conductors Having 1.27 Mm \(.050 In.\) Centerlines](#)

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Qualification Test Report

[Connector, Flat Cable, Round Conductor, AMP-LATCH NOVO & NOVO Stackable Receptacles](#)

TIF
English

[Connector, Flat Cable, Round Conductor, AMP-LATCH NOVO & NOVO Stackable Receptacles](#)

PDF
English

Product Environmental Compliance

TE Material Declaration

[MD_1658620-1_05062013915_dmtec](#)
PDF
English

Instruction Sheets

Instruction Sheet (U.S.)

[CONNECTOR-SPECIFIC KIT 768341-1 F/AMP-LATCH STANDARD & NOVO RECEPTACLE CONNECTORS](#)
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	No
Row-to-Row Spacing	2.54 mm [.1 in]
Connector Style	Receptacle
Profile	Low
Applies To	Wire/Cable
Product Type	Connector
Board Standoff	Without
Connector Type	Connector Assembly
Wire/Cable Type	Ribbon Cable
Connector System	Wire-to-Board
Ejection Latches	Without

Configuration Features

Number of Positions	10
Number of Rows	2

Electrical Characteristics

UL Voltage Rating (VAC)	250
Operating Voltage (VAC)	250
Insulation Resistance (MΩ)	5000

Body Features

Header Type	Pin Header
Daisy Chain	Without


Contact Features

Contact Mating Area Plating Material	Gold or Palladium Nickel or Performance Based
Contact Mating Area Plating Thickness	.38 μm [15 μin]
Contact Design	Tuning Fork
Contact Transmits (Typical)	Signal (Data)

	Contact Termination (typical)	Through Hole
	Contact Current Rating (A)	1
	Contact Base Material	Phosphor Bronze
	Contact Type	Socket
	Contact Termination Area Plating Material	Tin
	Contact Termination Area Plating Thickness	1.27 µm [50 µin]
Termination Features	Termination Method to PC Board	Through Hole - Solder
	Termination Method to Wire/Cable	Insulation Displacement Crimp (IDC)
Mechanical Attachment	PCB Mount Retention	Without
	Mating Alignment Type	Polarization
	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 Material	Thermoplastic
Dimensions	Height	15.16 mm [.5968 in]
	Accepts Wire Insulation Diameter Range	.787 – .94 mm [.031 – .037 in]
	Length	17.27 mm [.6799 in]
	Width	6.1 mm [.2402 in]
	Wire/Cable Size	.08 – .15 mm², 158 – 296 CMA, 28 – 26 AWG
Usage Conditions	Operating Temperature Range	-65 – 105 °C [-85 – 221 °F]
Industry Standards	CSA File Number	LR 7189
	UL Flammability Rating	UL 94V-0
	Agency/Standard	CSA, UL
	UL Rating	Recognized
	UL File Number	E28476
Packaging Features	Packaging Method	Tube, Tube/Box
	Packaging Quantity	60

CUSTOMERS ALSO BOUGHT

SURFACE MOUNT RESISTORS




CPF 0603 383K 1% 50PPM
1K RL
CPF0603F383KC1

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THROUGH-HOLE RESISTORS




YR1 0.1% 604R
YR1B604RCC

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COMPRESSION HEADERS & RECEPTACLES




Loose piece BtB connector
1551759-2

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Find Similar Products

THROUGH-HOLE RESISTORS



YR1 0.1% 39R2
YR1B39R2CC

Save to List

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Products - 65 Results

View All

Compare 0/10



Relation Type


RELATIONSHIP

Mating Products

Used to identify Mating Parts

See All Mating Products

	<div>PRODUCT - MATING PRODUCTS</div> <div>Connectors - Ribbon Cable Connectors AMP-LATCH Low Profile Headers</div> <div>A/L LOW PRO HDR 10P RA BLACK - 5103311-1</div> <div>TE INTERNAL NUMBER: 5103311-1</div> <div>Active</div>	<div>Always EU RoHS/ELV Compliant</div> <div>Centerline 2.54 mm</div> <div>PCB Mount Retention Without</div> <div>PCB Mounting Orientation Right Angle</div> <div>Termination Method to PC Board Through Hole</div> <div>Shrouded Yes</div>	<div>✓</div>
	<div>PRODUCT - MATING PRODUCTS</div> <div>Connectors - Ribbon Connector Accessories AMP-LATCH AMP-LATCH - NOVO</div> <div>010 STRAIN RELIEF A-L RCPT - 499252-5</div> <div>TE INTERNAL NUMBER: 499252-5 ALIAS ID: 2-42935-7201</div> <div>Active</div>	<div>Always EU RoHS/ELV Compliant</div> <div>Accessory Type Strain Relief</div>	<div>✓</div>



PRODUCT - MATING PRODUCTS

Connectors - Ribbon Cable Connectors
AMP-LATCH I Low Profile Headers
IDC LOW PRO HDR 10P
RA SHT LAT
- 2-1761609-3
TE INTERNAL NUMBER: 2-1761609-3

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2.54 mm**


PCB Mount Retention **Without**

PCB Mounting Orientation **Right Angle**

Termination Method to PC Board
Through Hole

Shrouded **Yes**

✓



PRODUCT - MATING PRODUCTS

Connectors - Ribbon Cable Connectors
AMP-LATCH I Universal Headers
A/L UNIV HDR 10P VERT
SHT LAT - 2-5499160-1
TE INTERNAL NUMBER: 2-5499160-1

✓ 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

Shrouded **Yes**

✓