



# RIBBON CABLE CONNECTORS



Active

PRODUCT DRAWING  
English

3D PDF

TE CONNECTIVITY (TE)

## 20 NOVO MIL/CTR 15DP, LEAD FREE

AMP-LATCH | AMP-LATCH - NOVO

1658621-4

TE Internal Number: 1658621-4

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, CENTER & MILITARY POLARIZATION, LEAD FREE, AMP-LATCH NOVO

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

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

PDF  
English

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\\_1658621-4\\_100920132349\\_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	<b>Vertical</b>
Shrouded	<b>No</b>
Row-to-Row Spacing	<b>2.54 mm [ .1 in ]</b>
Connector Style	<b>Receptacle</b>
Profile	<b>Low</b>
Applies To	<b>Wire/Cable</b>
Product Type	<b>Connector</b>
Board Standoff	<b>Without</b>
Connector Type	<b>Connector Assembly</b>
Wire/Cable Type	<b>Ribbon Cable</b>
Connector System	<b>Wire-to-Board</b>
Ejection Latches	<b>Without</b>

### Configuration Features

Number of Positions	<b>20</b>
Number of Rows	<b>2</b>

### Electrical Characteristics

UL Voltage Rating (VAC)	<b>250</b>
Operating Voltage (VAC)	<b>250</b>
Insulation Resistance (M $\Omega$ )	<b>5000</b>

### Body Features

Header Type	<b>Pin Header</b>
Daisy Chain	<b>Without</b>

### Contact Features

Contact Mating Area Plating Material	<b>Gold or Palladium Nickel or Performance Based</b>
Contact Mating Area Plating Thickness	<b>.38 <math>\mu</math>m [ 15 <math>\mu</math>m ]</b>
Contact Design	<b>Tuning Fork</b>

	Contact Transmits (Typical)	<b>Signal (Data)</b>
	Contact Current Rating (A)	<b>1</b>
	Contact Base Material	<b>Phosphor Bronze</b>
	Contact Type	<b>Socket</b>
	Contact Termination Area Plating Material	<b>Tin</b>
	Contact Termination Area Plating Thickness	<b>1.27 <math>\mu\text{m}</math> [ 50 <math>\mu\text{in}</math> ]</b>
Termination Features	Termination Method to PC Board	<b>Through Hole - Solder</b>
	Termination Method to Wire/Cable	<b>Insulation Displacement Crimp (IDC)</b>
Mechanical Attachment	PCB Mount Retention	<b>Without</b>
	Mating Alignment Type	<b>Polarization</b>
	Mating Alignment	<b>With</b>
	Polarization	<b>With</b>
	Panel Mount Retention	<b>Without</b>
	PCB Mount Alignment	<b>Without</b>
Housing Features	Centerline	<b>2.54 mm [ .1 in ]</b>
	Housing Color	<b>Black</b>
	Housing Material	<b>Thermoplastic</b>
Dimensions	Height	<b>15.16 mm [ .5968 in ]</b>
	Accepts Wire Insulation Diameter Range	<b>.787 – .94 mm [ .031 – .037 in ]</b>
	Length	<b>29.97 mm [ 1.1799 in ]</b>
	Width	<b>7.49 mm [ .2949 in ]</b>
	Wire/Cable Size	<b>.08 – .15 mm<sup>2</sup>, 158 – 296 CMA, 28 – 26 AWG</b>
Usage Conditions	Operating Temperature Range	<b>-65 – 105 °C [ -85 – 221 °F ]</b>
Industry Standards	CSA File Number	<b>LR 7189</b>
	UL Flammability Rating	<b>UL 94V-0</b>
	Agency/Standard	<b>CSA, UL</b>
	UL Rating	<b>Recognized</b>
	UL File Number	<b>E28476</b>
Packaging Features	Packaging Method	<b>Box/Carton</b>
	Packaging Quantity	<b>50</b>

Products - 63 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 | Universal Headers

**A/L UNIV HDR 20P RA LG  
LAT BLU - 2-5499141-4**

TE INTERNAL NUMBER: 2-5499141-4

✓ 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 Connector Accessories  
AMP-LATCH | AMP-LATCH - NOVO

**020 STRAIN RELIEF A-L  
RCPT - 499252-2**

TE INTERNAL NUMBER: 499252-2  
ALIAS ID: 0-0499252-2, 1108423

✓ 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 Connector Accessories  
AMP-LATCH | AMP-LATCH - NOVO

**020 STRAIN RELIEF A-L  
RCPT - 499252-2**

TE INTERNAL NUMBER: 499252-2  
ALIAS ID: 0-0499252-2, 1108423

✓ Active

Always EU RoHS/ELV Compliant

Accessory Type **Strain Relief**



## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

	<p>PRODUCT - MATING PRODUCTS</p>	<input checked="" type="checkbox"/>
	<p>Connectors - Ribbon Cable Connectors AMP-LATCH   Universal Headers <b>AMP-LATCH UNV HDR, 20 POSN, VERT - 1658694-1</b> TE INTERNAL NUMBER: 1658694-1  ✓ Active</p>	<p><b>Always EU RoHS/ELV Compliant</b></p> <p>Centerline <b>2.54 mm</b></p> <p>PCB Mount Retention <b>With</b></p> <p>PCB Mount Retention Type <b>Action/Compliant Tail</b></p> <p>PCB Mounting Orientation <b>Vertical</b></p> <p>Termination Method to PC Board <b>Through Hole Press Fit</b></p>

	<p>PRODUCT - MATING PRODUCTS</p>	<input checked="" type="checkbox"/>
	<p>Connectors - Ribbon Connector Accessories AMP-LATCH   AMP-LATCH - NOVO <b>020 STRAIN RELIEF A-L RCPT - 499252-2</b> TE INTERNAL NUMBER: 499252-2 ALIAS ID: 0-0499252-2, 1108423  ✓ Active</p>	<p><b>Always EU RoHS/ELV Compliant</b></p> <p>Accessory Type <b>Strain Relief</b></p>