



RIBBON CABLE CONNECTORS



Active

PRODUCT DRAWING
English

3D PDF

TE CONNECTIVITY (TE)

50 NOVO MIL/CTR 30DP, LEAD FREE

AMP-LATCH | AMP-LATCH - NOVO

1-1658622-0

TE Internal Number: 1-1658622-0

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 - 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_1-1658622-0_01312014712_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	50
Number of Rows	2

Electrical Characteristics

UL Voltage Rating (VAC)	250
Operating Voltage (VAC)	250
Insulation Resistance (M Ω)	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	.76 μm [29.92 μin]
Contact Design	Tuning Fork

	Contact Transmits (Typical)	Signal (Data)
	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	68.07 mm [2.6799 in]
	Width	7.49 mm [.2949 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	50

Products - 65 Results

[View All](#)

Compare 0/10 

Relation Type 

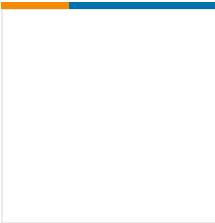
RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - Ribbon Cable Connectors
AMP-LATCH | Low Profile Headers
**IDC LOW PRO HDR 50P
VERT SHT L**
- 3-1761713-5
TE INTERNAL NUMBER: 3-1761713-5

✓ 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**



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 50P VERT
LG LAT - 1-5499922-0**
TE INTERNAL NUMBER: 1-5499922-0

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2.54 mm**

PCB Mount Retention **Without**

PCB Mount Retention Type

Mounting Ears

PCB Mounting Orientation

Vertical

Termination Method to PC Board

Through Hole



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 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**



PRODUCT - MATING PRODUCTS

Connectors - Ribbon Cable Connectors
AMP-LATCH | Universal Headers
**A/L UNIV HDR 50P RA
- 1-5102159-0**
TE INTERNAL NUMBER: 1-5102159-0

✓ 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**

