AMP-LATCH | AMP-LATCH - NOVO

TE Part # 1658622-4 TE Internal #: 1658622-4

View on TE.com >



Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors



Connector System: Wire-to-Board

Number of Positions: 20

Centerline (Pitch): 2.54 mm [.1 in]

PCB Mount Retention: Without

PCB Mount Orientation: Vertical

Features

Product Type Features

Product Type	Connector
Board Standoff	Without
Connector Type	Connector Assembly
Wire/Cable Type	Ribbon Cable
Header Type	Pin Header
Connector System	Wire-to-Board
Row-to-Row Spacing	2.54 mm[.1 in]
Connector Style	Receptacle
Profile	Low
Connector & Contact Terminates To	Wire & Cable
Configuration Features	
Ejection Latches	Without
Number of Positions	20
PCB Mount Orientation	Vertical
Number of Rows	2

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Electrical Characteristics

UL Voltage Rating	250 VAC
Insulation Resistance	5000 MΩ
Operating Voltage	250 VAC
Body Features	
Daisy Chain	Without
Contact Features	
Contact Termination Area Plating Material	Tin
Contact Design	Tuning Fork
Contact Transmits (Typical)	Signal (Data)
Contact Mating Area Plating Thickness	.76 μm[29.92 μin]
Contact Termination Area Plating Thickness	1.27 μm[50 μin]
Contact Type	Socket
Contact Mating Area Plating Material	Gold or Palladium Nickel or Performance Based
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	1 A

Termination Features

Termination I	Method to	Printed	Circuit Board
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Termination Method to Wire & Cable

Mechanical Attac

ľ	Mechanical Attachment	
	Polarization	With
	Mating Alignment	With
	PCB Mount Alignment	Without
	Panel Mount Feature	Without
	PCB Mount Retention	Without
	Mating Alignment Type	Polarization
	Mating Connector Lock	Without
	Connector Mounting Type	Cable Mount (Free-Hanging)
ł	Housing Features	
	Housing Material	Thermoplastic

Black

2.54 mm[.1 in]

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Housing Color

Centerline (Pitch)

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Through Hole - Solder

Insulation Displacement Crimp (IDC)

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Length	29.97 mm[1.1799 in]
Accepts Wire Insulation Diameter Range	.787 – .94 mm[.031 – .037 in]
Width	7.49 mm[.2949 in]
Height	15.16 mm[.5968 in]
Wire Size	.08 – .15 mm²
Usage Conditions	
Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
Operation/Application	
Circuit Application	Signal
Industry Standards	
CSA File Number	LR 7189
UL File Number	E28476
UL Rating	Recognized
Agency/Standard	CSA, UL
UL Flammability Rating	UL 94V-0

Packaging Features

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Packaging Quantity

Packaging Method

Box & Tube, Tube

50

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2019 (197) Candidate List Declared Against: JAN 2019 (197)
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

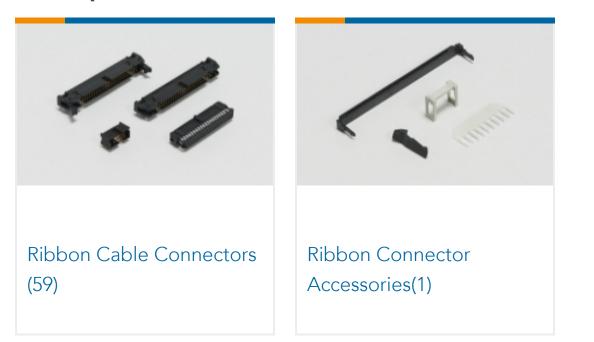
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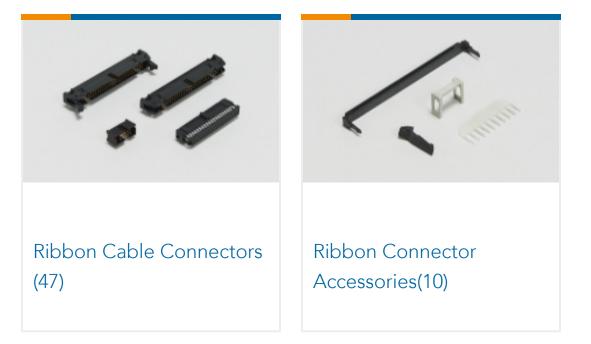
Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



Also in the Series | AMP-LATCH - NOVO



Customers Also Bought



TE Part # 1658622-4 TE Internal #: 1658622-4







Documents

Product Drawings 20 NOVO MIL/CTR 30DP,LEAD FREE

English

CAD Files Customer View Model ENG_CVM_CVM_1658622-4_B.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1658622-4_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1658622-4_B.3d_stp.zip

English

Datasheets & Catalog Pages Ribbon Cable Interconnect Solutions

English

Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English

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Instruction Sheets Instruction Sheet (U.S.)

English

Agency Approvals Agency Approval Document

English