



AMP-LATCH | AMP-LATCH Universal Headers

TE Internal #: 1-5111008-0

Ribbon Cable Connectors, Wire-to-Wire, 50 Position, 2.54 mm [.1 in] Centerline, Vertical, Through Hole - Solder, 2 Row, AMP-LATCH Universal Headers

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

AMP-LATCH UNIVERSAL HEADERS



Connector System: **Wire-to-Wire**

Number of Positions: **50**

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

PCB Mount Retention: **With**

PCB Mount Retention Type: **Screw Mount**

[All AMP-LATCH UNIVERSAL HEADERS \(525\)](#)

**Features**

**Product Type Features**

Connector Type	Header
Ribbon Cable Connector Header Type	Universal Ejection Pin Headers
Connector Product Type	Connector Assembly
Connector System	Wire-to-Wire
Connector & Housing Type	Plug
Connector & Contact Terminates To	Printed Circuit Board

**Configuration Features**

Number of Positions	50
PCB Mount Orientation	Vertical
Number of Rows	2

**Electrical Characteristics**

Insulation Resistance	5000 MΩ
Operating Voltage	250 VAC

**Body Features**

Connector Profile	Standard
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**Contact Features**



Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	2.54 $\mu$ m[100 $\mu$ in]
Contact Type	Pin
Contact Mating Area Plating Material Thickness	.76 $\mu$ m[30 $\mu$ in]
Contact Mating Area Plating Material	Gold
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	1 A

### Termination Features

Round Termination Post & Tail Diameter	.64 mm[.025 in]
Termination Post & Tail Length	2.79 mm[.11 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

### Mechanical Attachment

Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Screw Mount
Mating Alignment Type	Center, Dual Polarizing Bar
Mating Retention	Without
Connector Mounting Type	Board Mount

### Housing Features

Housing Material	PCT
Housing Color	Red
Centerline (Pitch)	2.54 mm[.1 in]

### Dimensions

Shrouded End Dimension	3.81 mm[.15 in]
Connector Length	82.8 mm[3.26 in]
Connector Height	8.64 mm[.548 in]
Row-to-Row Spacing	2.54 mm[.1 in]

### Usage Conditions



Housing Temperature Rating	High
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Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
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### Operation/Application

Circuit Application	Signal
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### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	30
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Packaging Method	Tray
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### Other

Comment	Mates with Receptacles
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## Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JAN 2018 (181) Does not contain REACH SVHC
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Pin-in-Paste capable to 245°C
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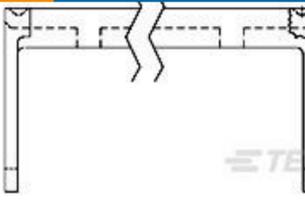
#### Product Compliance Disclaimer

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 Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

## Compatible Parts



TE Part # 499252-4  
050 STRAIN RELIEF A-L RCPT



TE Part # 8-1437021-1  
609-5031HD=FSKT IDC S 50 SR



TE Part # 1-1658622-0  
50 NOVO MIL/CTR 30DP, LEAD FREE



TE Part # 1-1658620-0  
50 NOVO MIL 15DP, LEAD FREE



TE Part # 1-1658621-0  
50 NOVO MIL/CTR 15DP, LEAD FREE



TE Part # 1-1658623-0  
50 NOVO MIL 30DP, LEAD FREE



TE Part # 2-1658526-3  
609-5030LF FEM SOCKET, LEAD FREE



TE Part # 2-1658526-4  
609-5041LF FEM SOCKET, LEAD FREE



TE Part # 1-1658527-4  
622-5030LF FEM SOCKET, LEAD FREE



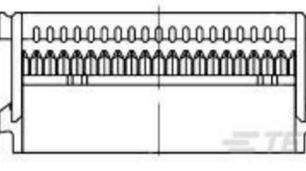
TE Part # 1-1658527-5  
622-5041LF FEM SOCKET, LEAD FREE



TE Part # 1658528-8  
636-5041LF FEM SOCKET, LEAD FREE



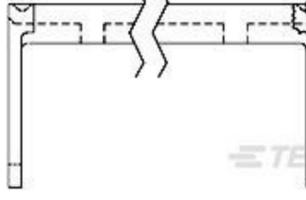
TE Part # 1-1658624-0  
050 NOVO DUAL 30DP FT



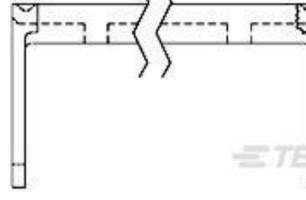
TE Part # 2-1658526-2  
609-5001MLF FEM SCKT, LEAD FREE



TE Part # 2-1658528-0  
636-5030LF=FEM SKT BLADE POL 1



TE Part # 1-1437025-2  
622-5031=FSKT IDC S 50 SR



TE Part # 6-1437028-8  
636-5031=FEM SOKT 15 MICRO

## Also in the Series | AMP-LATCH Universal Headers



Ribbon Cable Connectors(525)



Ribbon Connector Accessories(13)



## Documents

### Product Drawings

[A/L UNIV HDR 50P VERT HT](#)

English

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### CAD Files

Customer View Model

[ENG\\_CVM\\_1-5111008-0\\_C.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_1-5111008-0\\_C.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_1-5111008-0\\_C.2d\\_dxf.zip](#)

English

[3D PDF](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

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### Datasheets & Catalog Pages

[Ribbon Cable Interconnect Solutions](#)

English

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### Product Specifications

[Product Specification](#)

English