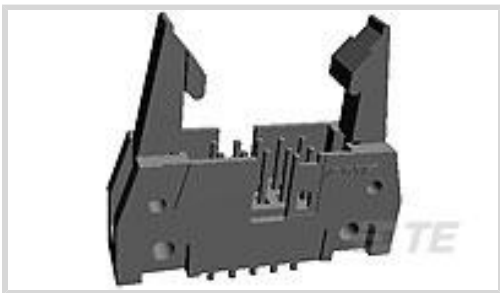




Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors >

AMP-LATCH UNIVERSAL HEADERS



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

Number of Positions: **14**

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

PCB Mount Retention: **Without**

PCB Mount Orientation: **Vertical**

[All AMP-LATCH UNIVERSAL HEADERS \(523\)](#)

Features

Product Type Features

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

Configuration Features

Number of Positions	14
PCB Mount Orientation	Vertical
Number of Rows	2

Electrical Characteristics

Operating Voltage	250 VAC
Insulation Resistance	5000 MΩ

Body Features

Mating Retention Feature Color	Red
Mating Retention Feature Material	PCT



Primary Product Color	Red
Connector Profile	Standard

Contact Features

Contact Underplating Material	Nickel, Palladium Nickel
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Mating Square Post Dimension	.64 mm[.025 in]
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material Thickness	2.54 µm[100 µin]
Contact Mating Area Plating Material	Gold (Au), Gold Flash over Palladium Nickel
Contact Base Material	Brass, Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	1 A

Termination Features

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

Mechanical Attachment

Panel Mount Feature	Without
Contact Retention Type Within Housing	Press-Fit
Panel Mount Feature Type	Mounting Ears
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	Without
Mating Alignment Type	Center & Dual
Mating Retention	With
Mating Retention Type	Ejection Latch
Connector Mounting Type	Board Mount

Housing Features

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



Dimensions

Shrouded End Dimension	3.81 mm[.15 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	8.64 mm[.548 in]
Connector Length	37.08 mm[1.46 in]
Row-to-Row Spacing	2.54 mm[.1 in]

Usage Conditions

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

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	18
Packaging Method	Tray

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 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Pin-in-Paste capable to 245°C

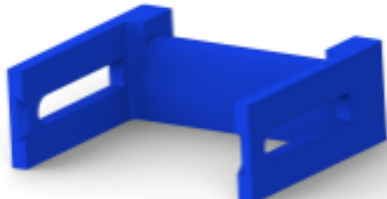
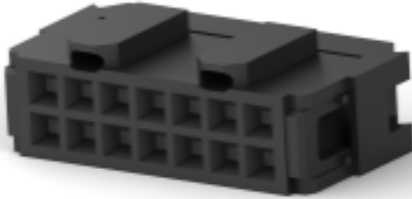
Product Compliance Disclaimer

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

 TE Part # 1658622-2 14 NOVO MIL/CTR 30DP, LEAD FREE	 TE Part # 1658620-2 14 NOVO MIL 15DP, LEAD FREE	 TE Part # 1658527-5 622-1430LF FEM SOCKET, LEAD FREE	 TE Part # 499252-9 014 STRAIN RELIEF A-L RCPT
 TE Part # CAT-AM71-A85022 Female Socket Connectors: Strain Relief	 TE Part # 1-1658528-2 636-1430LF=FEM SKT BLADE POL 1	 TE Part # 1658526-8 609-1430LF FEM SOCKET, LEAD FREE	 TE Part # 1658621-2 14 NOVO MIL/CTR 15DP, LEAD FREE
 TE Part # 1658623-2 14 NOVO MIL 30DP, LEAD FREE	 TE Part # 1658526-9 609-1441LF FEM SOCKET, LEAD FREE	 TE Part # 1658624-2 014 NOVO DUAL 30DP FT	 TE Part # 2-1658527-2 622-1441LF=FSKT IDC S 14 30AU

Also in the Series | AMP-LATCH Universal Headers



[Connector Hardware\(13\)](#)



[Ribbon Cable Connectors\(523\)](#)

Customers Also Bought



TE Part #1-964575-5
[PCB RAHMEN 5P](#)



TE Part #8-338728-4
[MICROM. MOB SMD CON](#)



TE Part #109452-4
[RING TONGUE 170 18-14 AWG PTPBR](#)



TE Part #205714-7
[37 PLUG SP/MS STD](#)



TE Part #3-647166-7
[7P MTA100 HDR ASSY,SM,FL,LF](#)



TE Part #4-2176415-8
[8W STD M/OX 5% 2K7](#)



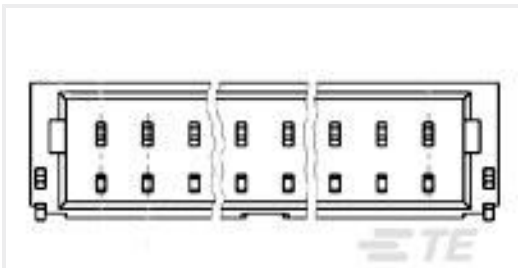
TE Part #3-1879134-1
[RN 0603 20K5 0.1% 10PPM 1K RL](#)



TE Part #7-6609928-3
[PE0SSDSXA=C2187](#)



TE Part #7-2176398-1
[3502 1R0 5%](#)



TE Part #1-1734709-5
[1.0 WTB HDR SR RA 15 POS](#)

Documents

Product Drawings

[A/L UNIV HDR 14P VERT LAT HT](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_5111374-2_B.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_CVM_5111374-2_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5111374-2_B.3d_stp.zip](#)

English

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Product Specifications

[Product Specification](#)

English