

1-1658694-0 ✓ ACTIVE

[AMP-LATCH](#) | [AMP-LATCH Universal Headers](#)

TE Internal #: 1-1658694-0

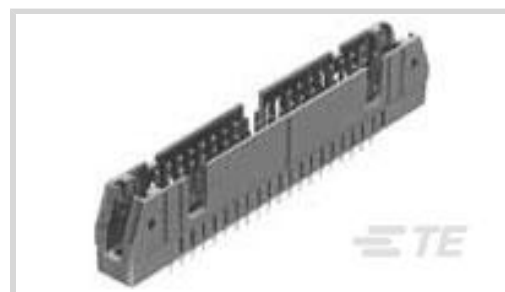
Ribbon Cable Connectors, Wire-to-Board, 30 Position, 2.54 mm [.1 in] Centerline, Vertical, Through Hole - Press-Fit, AMP-LATCH Universal Headers

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[AMP-LATCH UNIVERSAL HEADERS](#)



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

Number of Positions: **30**

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

PCB Mount Retention: **With**

PCB Mount Retention Type: **Action/Compliant Tail**

[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-Board
Connector & Housing Type	Plug
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	30
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 μ m[100 μ in]
Contact Type	Pin
	30 μ in
Contact Mating Area Plating Material	Gold Flash
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	1 A

Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Post & Tail Length	4.42 mm[.174 in]
Termination Method to Printed Circuit Board	Through Hole - Press-Fit

Mechanical Attachment

Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Action/Compliant Tail
Mating Alignment Type	Center, Dual Polarizing Bar
Mating Retention	Without
Connector Mounting Type	Board Mount

Housing Features

Mating Entry Location	Top
Housing Material	Nylon - GF
Housing Color	Black
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Shrouded End Dimension	3.81 mm[.15 in]
Connector Length	57.4 mm[2.26 in]
Connector Height	13.94 mm[.549 in]
PCB Thickness (Recommended)	2.03 mm[.08 in]



Row-to-Row Spacing	2.54 mm[.1 in]
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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	50
Packaging Method	Tray

Other

Comment	For Use With AMP-Latch Receptacle
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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: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

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 # 1-499252-2
030 STRAIN RELIEF A-L RCPT



TE Part # 1658621-7
30 NOVO MIL/CTR 15DP, LEAD FREE



TE Part # 1658620-7
30 NOVO MIL 15DP, LEAD FREE



TE Part # 1658622-7
30 NOVO MIL/CTR 30DP, LEAD FREE



TE Part # 1658623-7
30 NOVO MIL 30DP, LEAD FREE




TE Part # 1658624-7
30 NOVO DUAL 30DP, LEAD FREE



TE Part # 2-1658527-7
622-3041LF=FSKT IDC S 30 30AU

Also in the Series | AMP-LATCH Universal Headers



Ribbon Cable Connectors(525)



Ribbon Connector Accessories(13)

Documents

[Product Drawings](#)
[A/L UNIV HDR 30P ACT PIN](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-1658694-0_D.2d_dxf.zip](#)

English

Customer View Model



[ENG_CVM_CVM_1-1658694-0_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1658694-0_D.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[Ribbon Cable Interconnect Solutions](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[MD_1-1658694-0_12052017137_dmtec](#)

English

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