



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: **30**
Centerline (Pitch): **2.54 mm [.1 in]**
PCB Mount Retention: **Without**
PCB Mount Orientation: **Vertical**

[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
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Operating Voltage	250 VAC
Body Features	
Connector Profile	Standard
Contact Features	
Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	2.54 µm[100 µin]
Contact Type	Pin
	15 µin
Contact Mating Area Plating Material	Gold, Gold Flash over Palladium Nickel
Contact Shape & Form	Square
Contact Underplating Material	Nickel
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	Without
Mating Alignment Type	Center, Dual Polarizing Bar
Mating Retention	With
Mating Retention Type	Ejection Latch
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[.55 in]
PCB Thickness (Recommended)	1.57 mm[.062 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	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	Wave solder capable to 265°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 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	 TE Part # 3-215911-0 REC.CONN.

Also in the Series | AMP-LATCH Universal Headers

 Ribbon Cable Connectors(525)	 Ribbon Connector Accessories(13)
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Customers Also Bought



TE Part #1-1375820-2
CST-100 II HOUSING 12 POS

TE Part #292227-2
1.5 MINI CT SGL H SMT W BOSS 2

TE Part #292161-7
CT P/HDR ASSY V 7P W/KINK NAT

TE Part #5102153-1
A/L UNIV HDR 10P VERT

TE Part #1586000-4
4P FH PLUG VAL-U-LOK V2

TE Part #350541-1
03P CMNL HDR ASSY SHORT NATL

TE Part #5745174-2
CABLE CLAMP KIT, SZ 4, .575

TE Part #5205817-4
FEMALE SCREWLOCK KIT

TE Part #7033790003
RPS-10-2/2.0-4

TE Part #103185-4
04 MODII HDR SRST B/A .100CL

Documents

Product Drawings
A/L UNIV HDR 30P VERT
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_5102153-7_B.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_5102153-7_B.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_5102153-7_B.3d_stp.zip
English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages



Ribbon Cable Interconnect Solutions

English

Product Specifications

Product Specification

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English

Agency Approvals

Agency Approval Document

English