

AMP-LATCH | AMP-LATCH Universal Headers

TE Internal #: 5499910-9

Ribbon Cable Connectors, Wire-to-Board, 40 Position, .1 in [2.54 mm] 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-Board

Number of Positions: 40

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

PCB Mount Retention Type: Mounting Ears

All AMP-LATCH UNIVERSAL HEADERS (525)

Features

Product Type Features

Connector Type	Header
Ribbon Cable Connector Header Type	Universal Ejection Pin Headers
Connector Mating Latch & Lock Type	Short
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	40
PCB Mount Orientation	Vertical

Electrical Characteristics

Number of Rows



Connector Profile Connector Profile Connector Features Mating Square Post Dimension PCB Contact Termination Area Plating Material Thickness 2.54 µm[100 µin] Contact Type Pin 15 pin Contact Mating Area Plating Material Contact Shape & Form Square PCB Contact Termination Area Plating Material Contact Shape & Form PCB Contact Termination Area Plating Material Tin Contact Base Material Contact Current Rating (Max) 1.A Fermination Features Round Termination Post & Tail Diameter Afechanical Attachment Mating Alignment PCB Mount Alignment PCB Mount Retention PCB Mount Retention PCB Mount Retention Type Mating Alignment Type Mating Retention Mating Retention Type Mating Retenti		
Connector Profile Contact Features Mating Square Post Dimension PCB Contact Termination Area Plating Material Thickness 2.54 pm/100 pin Contact Type Pin 15 pin Contact Mating Area Plating Material Contact Shape & Form Square PCB Contact Termination Area Plating Material Tin Contact Base Material Brass, Phosphor Bronze Contact Current Railing (Max) 1 A Contact Shape & Form With Contact Current Railing (Max) 1 A Contact Shape & Form Without PCB Mount Alignment PCB Mount Retention PCB Mount Retention Type Mating Retention With Mating Retention Type Mating Resention With Mating Retention Type Mating Resention With Mating Resention With Mating Resention With Mating Resention Type Connector Mounting Type Connector Mounting Type Connector Mounting Type Collass Filled Nylon/Polyester Housing Color Black	Insulation Resistance	5000 MΩ
Contact Profile Contact Features Mating Square Post Dimension PCB Contact Termination Area Plating Material Thickness 254 µm [100 µm] Contact Type Pin 15 µm Contact Mating Area Plating Material Contact Mating Area Plating Material Contact Mating Area Plating Material Contact Shape & Form Square PCB Contact Termination Area Plating Material Contact Shape & Form Square PCB Contact Termination Area Plating Material Tin Contact Base Material Brass, Phosphor Bronze Contact Current Rating (Max) 1 A Fermination Features Round Termination Post & Tail Diameter 64 mm [025 in] Termination Post & Tail Diameter 80 dechenical Attachment Mating Alignment With PCB Mount Alignment Without Panel Mount Feature PCB Mount Retention Without PCB Mount Retention PCB Mount Retention Without PCB Mount Retention PCB Mount Retention With Mating Alignment Type Center, Dual Polarizing Bar Mating Alignment Type Center, Dual Polarizing Bar Mating Retention Mating Retention Mating Retention Mating Retention Type Center, Dual Polarizing Bar Mating Retention Type Center Mating Retention Type	Operating Voltage	250 VAC
Marting Square Post Dimension .64 mm (.025 in.) PCB Contact Termination Area Plating Material Thickness .254 pm (100 pin.) Contact Type	Body Features	
Mating Square Post Dimension PCB Contact Termination Area Plating Material Thickness Contact Type Pin 15 pin Contact Mating Area Plating Material Contact Mating Area Plating Material Contact Mating Area Plating Material Contact Shape & Form Square PCB Contact Termination Area Plating Material Tin Contact Base Material Brass, Phosphor Bronze Contact Current Rating (Max) 1 A Contact Current Rating (Max) 1 A Contact Current Rating (Max) Termination Features Round Termination Post & Tail Diameter Area Mating Alignment Method to Printed Circuit Board Methanical Attachment Mating Alignment PCB Mount Alignment PCB Mount Retention PCB Mount Retention PCB Mount Retention Type Mating Alignment Type Mating Retention Mithout PCB Mount Retention PCB Mount Retention Type Mating Retention Mithout PCB Mount Retention Type Mating Retention Mithout Mithout PCB Mount Retention PCB Mount Retention Type Mating Retention Mithout Mating Retention Type Genter, Dual Polarizing Bar Mating Retention Form Retention Bar Mating	Connector Profile	Standard
PCB Contact Termination Area Plating Material Thickness 2.54 µm [100 µin] Contact Type Pin	Contact Features	
Contact Type Pin 15 µin	Mating Square Post Dimension	.64 mm[.025 in]
Contact Mating Area Plating Material Gold Contact Shape & Form Square PCB Contact Termination Area Plating Material Tin Contact Base Material Brass, Phosphor Bronze Contact Current Rating (Max) 1A Contact Mating Alignment Type 1A Contact Mating Alignment Type 1A Contact Mating Ratention Type 1A Contact Mounting Type 1A Contact Mounting Type 1B Contact Mating Raterial 1B College Current Rating Material 1B College Current Rating Material 1B Contact Termination Post & Figure 1A Contact Current Rating Material 1B Contact Current Rat	PCB Contact Termination Area Plating Material Thickness	2.54 μm[100 μin]
Contact Mating Area Plating Material Square PCB Contact Termination Area Plating Material Tin Contact Base Material Brass, Phosphor Bronze Contact Current Rating (Max) 1A Fermination Features Round Termination Post & Tail Diameter & .64 mm[.025 in] Termination Post & Tail Diameter & .79 mm[.11 in] Termination Method to Printed Circuit Board Through Hole - Solder Mechanical Attachment Mating Alignment Without PCB Mount Alignment Without PCB Mount Retention PCB Mount Retention Without PCB Mount Retention Type Mounting Fars Mating Alignment Type Center, Dual Polarizing Bar Mating Retention With Mating Retention Type Board Mount Mounting Features Housing Material Glass Filled Nylon/Polyester Housing Color Black	Contact Type	Pin
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Contact Base Material Brass, Phosphor Bronze Contact Current Rating (Max) 1 A Fermination 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 Without Panel Mount Feature Without PCB Mount Retention PCB Mount Retention Type Mounting Ears Mating Alignment Type Center, Dual Polarizing Bar Mating Retention Type Ejection Latch Mating Retention Type Board Mount Mounting Type Board Mount Mounting Retention Type Board Mount Mating Retention Type Board Mount Mating Retention Type Board Mount Mounting Features Housing Material Glass Filled Nylon/Polyester Housing Color	Contact Shape & Form	Square
Contact Current Rating (Max) fermination Features Round Termination Post & Tail Diameter	PCB Contact Termination Area Plating Material	Tin
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 .Without Panel Mount Feature .Without PCB Mount Retention Type .Mounting Ears Mating Alignment Type .Center, Dual Polarizing Bar Mating Retention Type .Ejection Latch Mating Retention Type .Board Mounting Type .Board Mount .Board Mounting Type .Board Mo	Contact Base Material	Brass, Phosphor Bronze
Round Termination Post & Tail Diameter	Contact Current Rating (Max)	1 A
Termination Post & Tail Length Termination Method to Printed Circuit Board Mechanical Attachment Mating Alignment PCB Mount Alignment Without PCB Mount Retention PCB Mount Retention Type Mating Alignment Type Mounting Retention With Mating Retention Type Mounting Retention With Mounting Retention Type Board Mount Mounting Feature Mounting Retention With Mating Retention Type Board Mount Mounting Type Board Mount Housing Features Housing Color Black	Termination Features	
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Mating Alignment Without PCB Mount Alignment Without Panel Mount Feature Without PCB Mount Retention Without PCB Mount Retention Type Mounting Ears Mating Alignment Type Center, Dual Polarizing Bar Mating Retention Type Ejection Latch Connector Mounting Type Board Mount Housing Features Housing Color Black	Termination Method to Printed Circuit Board	Through Hole - Solder
PCB Mount Alignment Without Panel Mount Feature Without PCB Mount Retention Without PCB Mount Retention Type Mounting Ears Mating Alignment Type Center, Dual Polarizing Bar Mating Retention Mating Retention Type Ejection Latch Connector Mounting Type Board Mount Housing Features Housing Material Glass Filled Nylon/Polyester Housing Color Black	Mechanical Attachment	
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PCB Mount Retention PCB Mount Retention Type Mounting Ears Mating Alignment Type Center, Dual Polarizing Bar Mating Retention With Mating Retention Type Ejection Latch Connector Mounting Type Board Mount Housing Features Housing Color Black	PCB Mount Alignment	Without
PCB Mount Retention Type Mating Alignment Type Center, Dual Polarizing Bar Mating Retention With Mating Retention Type Ejection Latch Connector Mounting Type Board Mount Housing Features Housing Material Housing Color Black	Panel Mount Feature	Without
Mating Alignment Type Center, Dual Polarizing Bar Mating Retention With Mating Retention Type Ejection Latch Connector Mounting Type Board Mount Housing Features Housing Material Housing Color Black	PCB Mount Retention	Without
Mating Retention Mating Retention Type Ejection Latch Connector Mounting Type Board Mount Housing Features Housing Material Housing Color Black	PCB Mount Retention Type	Mounting Ears
Mating Retention Type Ejection Latch Connector Mounting Type Board Mount Housing Features Housing Material Glass Filled Nylon/Polyester Housing Color Black	Mating Alignment Type	Center, Dual Polarizing Bar
Connector Mounting Type Housing Features Housing Material Housing Color Black	Mating Retention	With
Housing Features Housing Material Glass Filled Nylon/Polyester Black	Mating Retention Type	Ejection Latch
Housing Material Housing Color Black	Connector Mounting Type	Board Mount
Housing Color Black	Housing Features	
	Housing Material	Glass Filled Nylon/Polyester
Centerline (Pitch) 2.54 mm[.1 in]	Housing Color	Black
	Centerline (Pitch)	2.54 mm[.1 in]



Dimensions

Shrouded End Dimension	3.81 mm[.15 in]
	2.76 in
Connector Height	13.94 mm[.549 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Row-to-Row Spacing	2.54 mm[.1 in]

Usage Conditions

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

Operation/Application

Circuit Application	Signal	
	2.9.13.	

Industry Standards

UL Flammability Rating	UL 94V-0	

Packaging Features

Packaging Quantity	24
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: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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







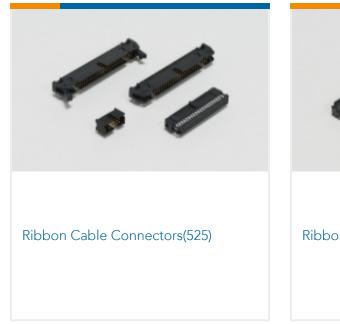


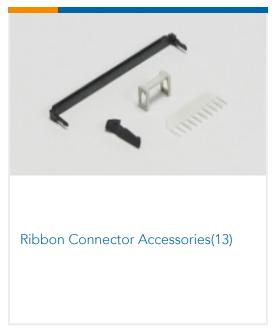






Also in the Series | AMP-LATCH Universal Headers

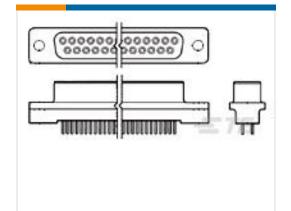




Customers Also Bought

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TE Part #5745058-3 HD-20 RCPT 25P VERT THD INS



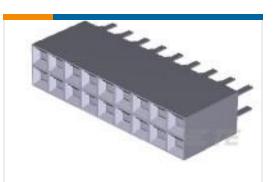
BCHE 11 W 68R 5%







TE Part #1586530-2 02P CMNL HDR ASSY SHORT LF



TE Part #5-534206-9 18 MODII VRT DR CE 100/115



TE Part #5-104074-7 04 SYSTEM 50 HDR SRRA SHRD SN





RT78601, RELAY SOCKET PCB 3.5MM



Documents

Product Drawings

A/L UNIV HDR 40P VERT SHT LAT

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5499910-9_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5499910-9_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5499910-9_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 Connectors, Wire-to-Board, 40 Position, .1 in [2.54 mm] Centerline, Vertical, Through Hole - Solder, 2 Row, AMP-LATCH Universal Headers



Ribbon Cable Interconnect Solutions

English

Product Specifications

Product Specification

English

Product Environmental Compliance

MD_5499910-9_05092013940_dmtec

English

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English