



AMP-LATCH | AMP-LATCH Universal Headers

TE Internal #: 5499786-3

Wire-to-Board, 16 Position, 2.54 mm [.1 in] Centerline, Right Angle, Through Hole - Solder, AMP-LATCH Universal Headers, Ribbon Cable Connectors

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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: **16**

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

PCB Mount Retention: **Without**

PCB Mount Retention Type: **Mounting Ears**

[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	16
PCB Mount Orientation	Right Angle
Number of Rows	2

Electrical Characteristics

Operating Voltage	250 VAC
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Insulation Resistance	5000 MΩ
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Body Features

Mating Retention Feature Color	Black
Mating Retention Feature Material	Glass Filled Polyester
Primary Product Color	Black
Connector Profile	Standard

Contact Features

	15 μin
Contact Underplating Material	Nickel, Palladium Nickel
PCB Contact Termination Area Plating Material Finish	Matte
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 or Gold Flash over Palladium Nickel
Contact Base Material	Brass
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
Panel Mount Feature Type	Mounting Ears
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	Without
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 Material

Glass-Filled Nylon/Polyester

Centerline (Pitch)

2.54 mm [.1 in]

Dimensions

1.56 in

Shrouded End Dimension

.15 mm, 3.81 mm [.15 in]

PCB Thickness (Recommended)

1.57 mm [.062 in]

Connector Height

13.94 mm [.549 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

Industry Standards

UL Flammability Rating

UL 94V-0

Packaging Features

Packaging Quantity

56

Packaging Method

Tray

Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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

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 # 1658527-7
622-1641LF FEM SOCKET, LEAD FREE



TE Part # 1-1658526-1
609-1641LF FEM SOCKET, LEAD FREE



TE Part # 102320-1
UNIVERSAL HEADER LATCH



TE Part # 1-1658528-5
636-2030LF=FEM SKT BLADE POL 1

Also in the Series | AMP-LATCH Universal Headers



Connector Hardware(13)



Ribbon Cable Connectors(523)

Customers Also Bought



TE Part # GB8UM-L
MOUNT, MGM, 3/4, 58U, MUHFM



TE Part # 5-146134-3
08 MODII HDR DRST SFMNT B/A



TE Part # 5-146134-5
12 MODII HDR DRST SFMNT B/A



TE Part # 640457-5
05P MTA100 HDR ASSY SQ R/A F/L



Documents

Product Drawings

[A/L UNIV HDR 16P RA LAT](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_5499786-3_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5499786-3_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5499786-3_B.3d_stp.zip](#)

English

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Product Specifications

[Product Specification](#)

English