1-499910-0 ✔ ACTIVE

AMP-LATCH | AMP-LATCH Universal Headers

TE Internal #: 1-499910-0

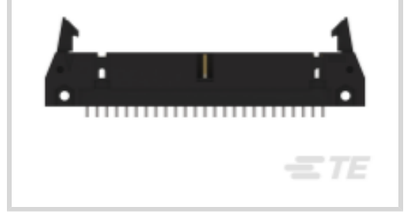
Board-to-Board, 50 Position, 2.54 mm [.1 in] Centerline, Vertical, Through Hole - Solder, 2 Row, AMP-LATCH Universal Headers, Ribbon Cable Connectors

View on TE.com >

Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors > AMP-LATCH UNIVERSAL HEADERS







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

Number of Positions: **50**

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

PCB Mount Retention: **Without**

PCB Mount Orientation: **Vertical**

All AMP-LATCH UNIVERSAL HEADERS (497)

Features

Product Type Features

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

Configuration Features

Number of Positions	50
PCB Mount Orientation	Vertical
Number of Rows	2

Electrical Characteristics

Operating Voltage	250 VAC

Insulation Resistance	5000 MΩ

Body Features

Daisy Chain	Without
Primary Product Color	Black
Connector Profile	Standard

Contact Features

	15 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)
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin-Lead
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
Mating Alignment	With
PCB Mount Alignment	With
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

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

Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	13.94 mm[.55 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

Solder Process Feature	Solder Dipped
Circuit Application	Signal

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	Not Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Pb (13% in 4690948374) **Article Safe Usage Statements:** Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
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

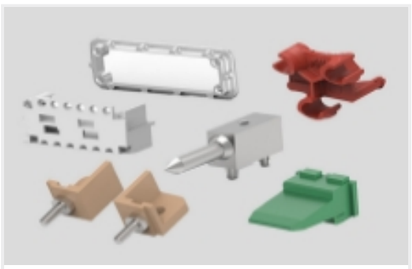
will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or 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 # 1-1658621-0
50 NOVO MIL/CTR 15DP,LEAD FREE

Also in the Series | AMP-LATCH Universal Headers



Connector Hardware(13)



Ribbon Cable Connectors(497)

Customers Also Bought



TE Part #3-647630-6
06P MTA100 HRD ASSY F/L LF



TE Part #747846-4
25 MSFL RCPT RA 318 (IN,FM,BL)



TE Part #6-1393144-5
K10P-11D55-110=K10/K20



TE Part #1-1614885-1
CPF 0805 180K 0.1% 25PPM 1K RL



TE Part #1825096-7
TPA11FGPC004



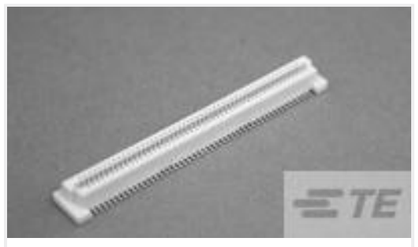
TE Part #5-1879215-7
CPF 0402 17K4 0.1% 25PPM 1K RL



TE Part #3-1879355-1
RR03 5% 75K AMMO



TE Part #1879523-1
CRGH2512 1% 10R 2W



TE Part #8-5353189-0
.6FHR04H,140,S,STD,08/SP,TR,SEYes



TE Part #5745185-1
15 RCPT SP/MS STD

Documents

Product Drawings

050 UNIV HDR SP 4S 15DP STD L2

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-499910-0_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-499910-0_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-499910-0_F.3d_stp.zip

English

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

Product Specifications

Product Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

AMP INSTALLATION PROCEDURES FOR AMP-LATCH UNIVERSAL HEADER ASSEMBLIE

English

Agency Approvals

Agency Approval Document

English