# 499910-4 ✔ ACTIVE

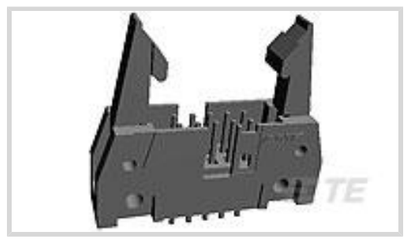
AMP-LATCH | AMP-LATCH Universal Headers

TE Internal #: 499910-4

Board-to-Board, 20 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: **20**

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 | 20 |
| 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 | 48 |
| 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)<br>Candidate List Declared Against: JUNE 2025 (250)<br>SVHC > Threshold:<br>Pb (13% in 4690948374)<br>**Article Safe Usage Statements:**<br>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

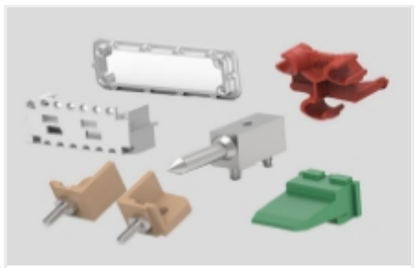
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 1658621-4
20 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 #800354-SF
FN286-6-06



TE Part #353785-000
55A1121-24-9/96-9CS2275



TE Part #6-103168-5
34 MODII HDR DRST SHRD .100CL



TE Part #1658608-2
25 POS HDF PLUG, MS, LEAD FREE



TE Part #1658674-1
HDP-22,PLUG,SIZE 5,78 POSN



TE Part #1658685-1
HDP-22,RCPT,SIZE 5,78 POSN



TE Part #5227426-1
BNC BLKHD RECPT SEALED



TE Part #5535089-5
ASSEMBLY,RECEPTACLE,EUROCARD, T



TE Part #5650933-5
ASSY,PIN,EUROCARD,TYPE R,LEAD-



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

## Documents

### Product Drawings

020 UNIV HDR SP 4S 15DP STD L2

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_499910-4_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_499910-4_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_499910-4_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