

5111374-2 ✓ ACTIVE

[AMP-LATCH | AMP-LATCH Universal Headers](#)

TE Internal #: 5111374-2

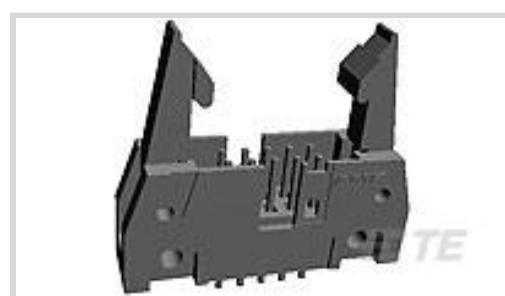
AMP-LATCH Universal Headers, Ribbon Cable Connectors, Wire-to-Board, 14 Position, 2.54mm [.1in] Centerline, Vertical, Through Hole - Solder

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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: **14**

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 Mating Latch & Lock Type | Long |
| 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 | 14 |
| PCB Mount Orientation | Vertical |
| Number of Rows | 2 |

Electrical Characteristics

| | |
|-----------------------|---------|
| Insulation Resistance | 5000 MΩ |
| Operating Voltage | 250 VAC |

Body Features

| | |
|--------------------------------|-----|
| Mating Retention Feature Color | Red |
|--------------------------------|-----|



| | |
|-----------------------------------|-----|
| Mating Retention Feature Material | PCT |
|-----------------------------------|-----|

| | |
|-------------------|----------|
| Connector Profile | Standard |
|-------------------|----------|

Contact Features

| | |
|------------------------------|-----------------|
| Mating Square Post Dimension | .64 mm[.025 in] |
|------------------------------|-----------------|

| | |
|---|----------------------------|
| PCB Contact Termination Area Plating Material Thickness | 2.54 μ m[100 μ in] |
|---|----------------------------|

| | |
|--------------|-----|
| Contact Type | Pin |
|--------------|-----|

| | |
|--|--------------------------|
| Contact Mating Area Plating Material Thickness | .76 μ m[30 μ in] |
|--|--------------------------|

| | |
|--------------------------------------|------------------|
| Contact Mating Area Plating Material | Gold, Gold Flash |
|--------------------------------------|------------------|

| | |
|--|-------|
| PCB Contact Termination Area Plating Material Finish | Matte |
|--|-------|

| | |
|----------------------|--------|
| Contact Shape & Form | Square |
|----------------------|--------|

| | |
|-------------------------------|--------------------------|
| Contact Underplating Material | Nickel, Palladium Nickel |
|-------------------------------|--------------------------|

| | |
|---|-----|
| PCB Contact Termination Area Plating Material | Tin |
|---|-----|

| | |
|-----------------------|------------------------|
| Contact Base Material | Brass, 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 |
|------------------|------|

| | |
|---------------------------------------|-----------|
| Contact Retention Type Within Housing | Press-Fit |
|---------------------------------------|-----------|

| | |
|---------------------|---------|
| PCB Mount Alignment | Without |
|---------------------|---------|

| | |
|---------------------|---------|
| Panel Mount Feature | Without |
|---------------------|---------|

| | |
|--------------------------|---------------|
| Panel Mount Feature Type | Mounting Ears |
|--------------------------|---------------|

| | |
|---------------------|---------|
| PCB Mount Retention | Without |
|---------------------|---------|

| | |
|-----------------------|---------------|
| Mating Alignment Type | Center & Dual |
|-----------------------|---------------|

| | |
|------------------|------|
| Mating Retention | With |
|------------------|------|

| | |
|-----------------------|----------------|
| Mating Retention Type | Ejection Latch |
|-----------------------|----------------|

| | |
|-------------------------|-------------|
| Connector Mounting Type | Board Mount |
|-------------------------|-------------|

Housing Features

| | |
|------------------|--------|
| Housing Material | PCT GF |
|------------------|--------|

| | |
|---------------|-----|
| Housing Color | Red |
|---------------|-----|



| | |
|--------------------|----------------|
| Centerline (Pitch) | 2.54 mm[.1 in] |
|--------------------|----------------|

Dimensions

| | |
|-----------------------------|-------------------|
| Shrouded End Dimension | 3.81 mm[.15 in] |
| Connector Length | 37.08 mm[1.46 in] |
| Connector Height | 8.64 mm[.548 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 |
|---------------------|--------|

Industry Standards

| | |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 18 |
| Packaging Method | Tray |

Other

| | |
|---------|--|
| Comment | For Use With Receptacles With Strain Relief, Pin headers in 10- and 14-position sizes have only one slot for snap-in polarizer (military polarization), located as shown., Pin headers in 10-position size have only slot for dual polarization, located as shown. |
|---------|--|

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Not Yet Reviewed |
| 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 2021 (211) Candidate List Declared Against: JUN 2013 (144) SVHC > Threshold: |



Not Yet Reviewed

Halogen Content

Not Low Halogen - contains Br or Cl > 900 ppm.

Solder Process Capability

Pin-in-Paste capable to 245°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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Part # CAT-AM71-A8502
Bus Connector: Strain Relief, ATA



TE Part # 1658526-9
609-1441LF FEM SOCKET, LEAD FREE



TE Part # 1658621-2
14 NOVO MIL/CTR 15DP, LEAD FREE



TE Part # 1658526-8
609-1430LF FEM SOCKET, LEAD FREE



TE Part # 1658622-2
14 NOVO MIL/CTR 30DP, LEAD FREE



TE Part # 1658623-2
14 NOVO MIL 30DP, LEAD FREE



TE Part # 1658620-2
14 NOVO MIL 15DP, LEAD FREE



TE Part # 1658527-5
622-1430LF FEM SOCKET, LEAD FREE




TE Part # 2-1658527-2
622-1441LF=FSKT IDC S 14 30AU



TE Part # CAT-AM71-A85022
Female Socket Connectors: Strain Relief



TE Part # 1658624-2
014 NOVO DUAL 30DP FT




TE Part # 1-1658528-2
636-1430LF=FEM SKT BLADE POL 1

Also in the Series | AMP-LATCH Universal Headers



Ribbon Cable Connectors(525)



Ribbon Connector Accessories(14)

Customers Also Bought



TE Part #205714-7
D-Sub Plug Assembly: Vertical, Shell Size 4, 2.74mm



TE Part #1437652-1
6PCR-08-008=6 SERIES ASSEMBLY



TE Part #2-2176371-6
RQ 0603 8K45 0.1% 10PPM 5K RL



TE Part #1445729-1
MTG BRKT, OVAL HOLE



TE Part #8-338728-6
MALE-ON-BOARD CONNECTOR



TE Part #3-647166-7
Nylon Vertical PCB Header: 2.54mm, Surface Mount, MTA 100



TE Part #3-2176155-2
Metal Chip Resistor: Current Sense



TE Part #2-2303816-4
DEUTSCH DT Series Housings & Connectors



TE Part #109452-4
RING TONGUE 170 18-14 AWG PTPBR



TE Part #4-103795-0
80 MODII HDR DRRA B/A .100CL



Documents

Product Drawings

[A/L UNIV HDR 14P VERT LG LAT HT](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_5111374-2_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5111374-2_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5111374-2_B.3d_stp.zip](#)

English

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Product Specifications

[Product Specification](#)

English