



AMP-LATCH | AMP-LATCH Universal Headers

TE Internal #: 1-5499923-0
Ribbon Cable Connectors, Wire-to-Board, 50 Position, 2.54 mm [.1 in] Centerline, Vertical, Through Hole - Solder, 2 Row, AMP-LATCH Universal Headers

[View on TE.com >](#)

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: **50**
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	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	50
PCB Mount Orientation	Vertical
Number of Rows	2

Electrical Characteristics



Insulation Resistance	5000 MΩ
-----------------------	---------

Operating Voltage	250 VAC
-------------------	---------

Body Features

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

Contact Features

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

PCB Contact Termination Area Plating Material Thickness	2.54 μm[100 μin]
---	------------------

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

	15 μin
--	--------

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)	1 A
------------------------------	-----

Termination Features

Round Termination Post & Tail Diameter	.64 mm[.025 in]
--	-----------------

Termination Post & Tail Length	3.94 mm[.155 in]
--------------------------------	------------------

Termination Method to Printed Circuit Board	Through Hole - Solder
---	-----------------------

Mechanical Attachment

Mating Alignment	With
------------------	------

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	With
------------------	------

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

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

Housing Features

Housing Material	Glass Filled Nylon/Polyester
------------------	------------------------------

Housing Color	Black
---------------	-------

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



Dimensions

Shrouded End Dimension	3.81 mm[.15 in]
	3.26 in
Connector Height	13.94 mm[.549 in]
PCB Thickness (Recommended)	3.18 mm[.125 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	18
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: JUNE 2022 (224) 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

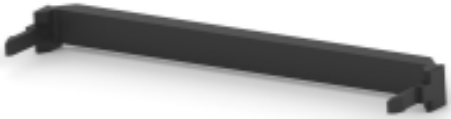
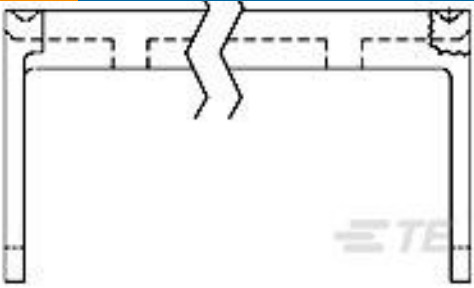
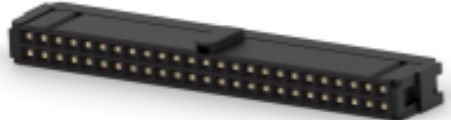
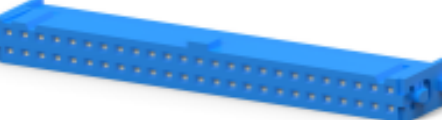
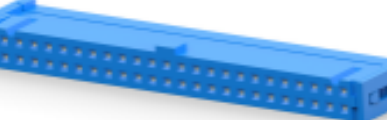
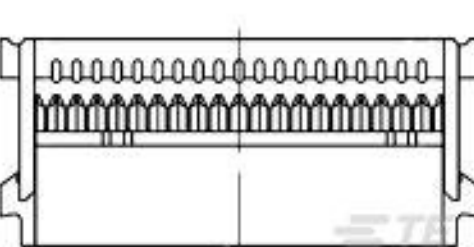
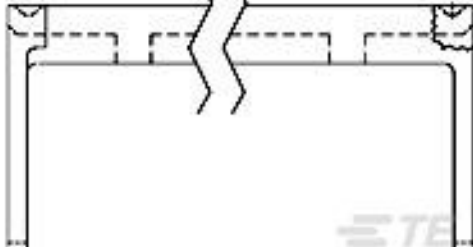
Product Compliance Disclaimer

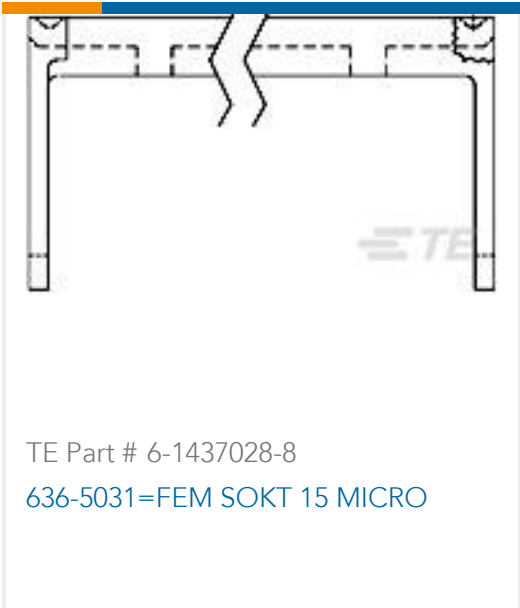
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 499252-4 050 STRAIN RELIEF A-L RCPT	 TE Part # 8-1437021-1 609-5031HD=FSKT IDC S 50 SR	 TE Part # 1-1658622-0 50 NOVO MIL/CTR 30DP,LEAD FREE	 TE Part # 1-1658620-0 50 NOVO MIL 15DP, LEAD FREE
 TE Part # 1-1658621-0 50 NOVO MIL/CTR 15DP,LEAD FREE	 TE Part # 1-1658623-0 50 NOVO MIL 30DP, LEAD FREE	 TE Part # 2-1658526-3 609-5030LF FEM SOCKET,LEAD FREE	 TE Part # 2-1658526-4 609-5041LF FEM SOCKET,LEAD FREE
 TE Part # 1-1658527-4 622-5030LF FEM SOCKET,LEAD FREE	 TE Part # 1-1658527-5 622-5041LF FEM SOCKET,LEAD FREE	 TE Part # 1658528-8 636-5041LF FEM SOCKET,LEAD FREE	 TE Part # 102320-1 UNIVERSAL HEADER LATCH
 TE Part # 1-1658624-0 050 NOVO DUAL 30DP FT	 TE Part # 2-1658526-2 609-5001MLF FEM SCKT,LEAD FREE	 TE Part # 2-1658528-0 636-5030LF=FEM SKT BLADE POL 1	 TE Part # 1-1437025-2 622-5031=FSKT IDC S 50 SR



Also in the Series | AMP-LATCH Universal Headers



Documents

Product Drawings

A/L UNIV HDR 50P VERT LG LAT

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-5499923-0_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-5499923-0_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-5499923-0_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 Interconnect Solutions

English

Product Specifications

Product Specification

English



Product Environmental Compliance

Product Compliance

English

Product Compliance

English