2-5102321-2 ✔ ACTIVE

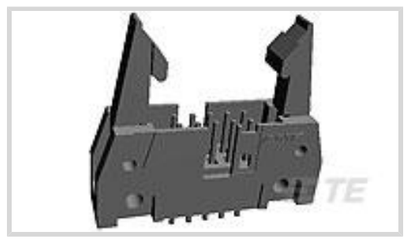
AMP-LATCH | AMP-LATCH Universal Headers

TE Internal #: 2-5102321-2

Wire-to-Board, 14 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: **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 (497)

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	14
PCB Mount Orientation	Vertical
Number of Rows	2

Electrical Characteristics

Operating Voltage	250 VAC
Insulation Resistance	5000 MΩ

Body Features

Primary Product Color	Blue
Connector Profile	Standard

Contact Features

Contact Underplating Material	Nickel
Contact Mating Area Plating Material Thickness	.76 µm[30 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), Gold Flash over Palladium Nickel
Contact Base Material	Copper Alloy
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	3.94 mm[.155 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Panel Mount Feature	Without
Mating Alignment	With
PCB Mount Alignment	Without
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	Glass-Filled Nylon/Polyester
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Shrouded End Dimension	3.81 mm[.15 in]
PCB Thickness (Recommended)	3.18 mm[.125 in]
Connector Height	13.94 mm[.548 in]
Connector Length	37.08 mm[1.46 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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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

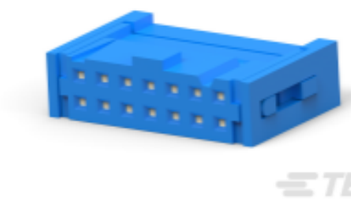
Product Compliance Disclaimer

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



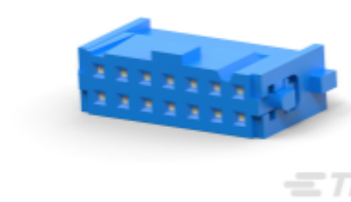
TE Part # 2-1658527-2
622-1441LF=FSKT IDC S 14 30AU



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



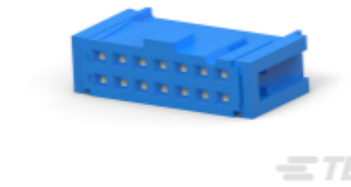
TE Part # 1658623-2
14 NOVO MIL 30DP, LEAD FREE



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



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



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



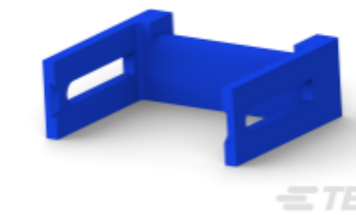
TE Part # 1658620-2
14 NOVO MIL 15DP, LEAD FREE



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



TE Part # 499252-9
014 STRAIN RELIEF A-L RCPT

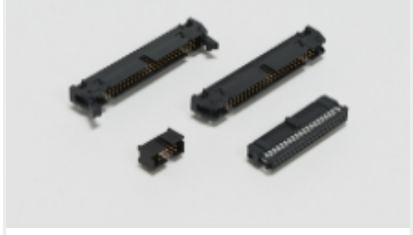


TE Part # CAT-AM71-A85022
Female Socket Connectors: Strain Relief

Also in the Series | AMP-LATCH Universal Headers



Connector Hardware(13)

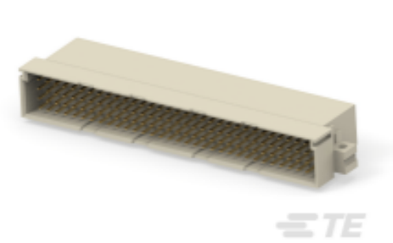


Ribbon Cable Connectors(497)

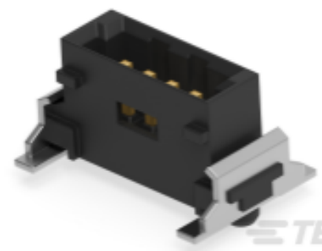
Customers Also Bought



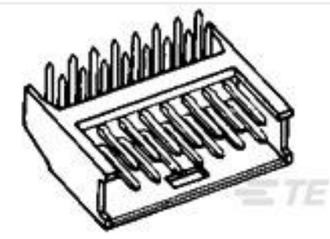
TE Part #254831-E
SRCP 2,54 5 M 1 SMD 137 E1 094 * GU-H *



TE Part #364918-E
STVCD 128 M ABCD VVVV 4-00 0606 * * 247



TE Part #284697-E
SRCP 1,27 4 M 1 SMD 137 E1 094 * GU-H *



TE Part #280389-2
2X4P MODU II SHRD HDR,RT ANG, 0.38AU



TE Part #826632-4
4P AMPMODU II PIN HDR.



TE Part #9-1462037-9
IM06CGR=IM RELAY 140mW12V HDV



TE Part #2-1625886-2
1W SM M/OX 5% 4R7



TE Part #1676337-1
RN 0805 41K2 0.1% 10PPM CUT LENGTH



TE Part #1676469-2
RN 0805 976R 0.1% 10PPM 1KRL



TE Part #5103308-8
A/L LOW PRO HDR 40P VERT BLACK

Documents

Product Drawings

A/L UNIV HDR 14P VERT LAT BLUE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-5102321-2_C2.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-5102321-2_C2.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-5102321-2_C2.3d_stp.zip

English

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Product Specifications

Product Specification

English

Agency Approvals

Agency Approval Document

English