

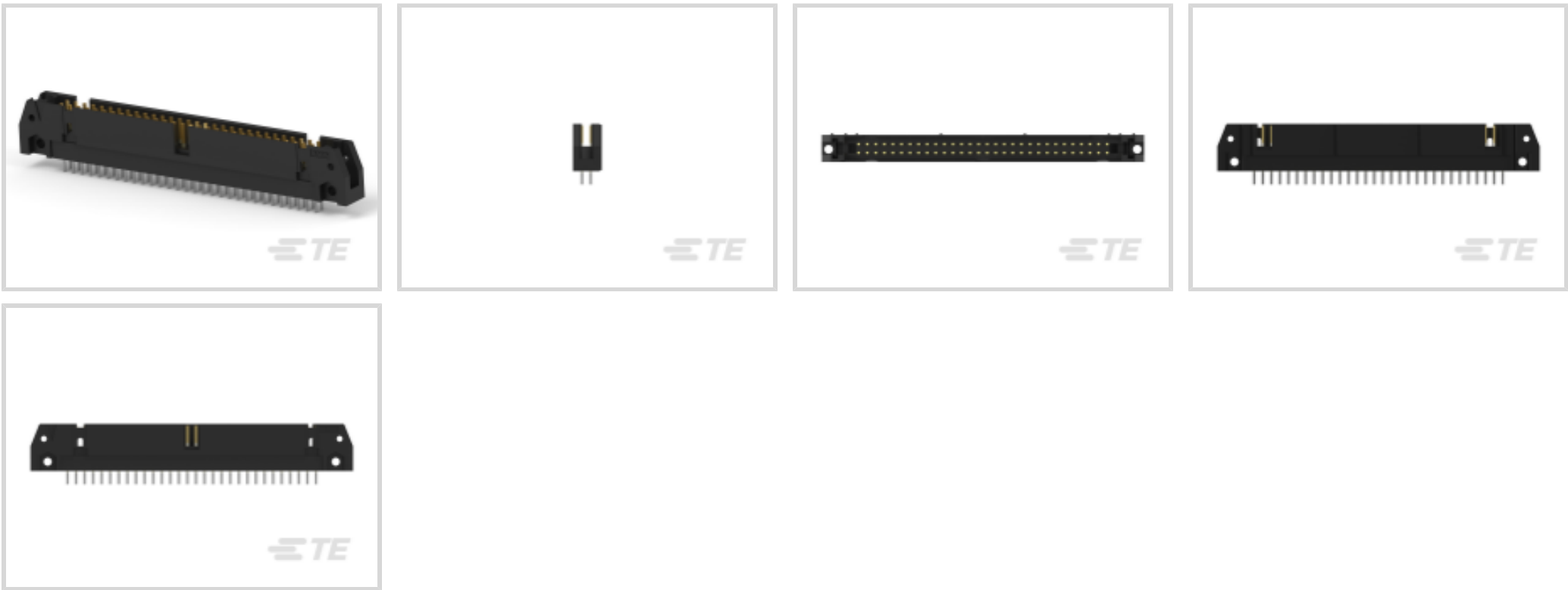


AMP-LATCH | AMP-LATCH Universal Headers

TE Internal #: 1-5102156-1
Wire-to-Board, 60 Position, 2.54 mm [.1 in] Centerline, Vertical,
Through Hole - Solder, 2 Row, AMP-LATCH Universal Headers,
Ribbon Cable Connectors

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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: **60**
Centerline (Pitch): **2.54 mm [.1 in]**
PCB Mount Retention: **Without**
PCB Mount Orientation: **Vertical**

[All AMP-LATCH UNIVERSAL HEADERS \(523\)](#)

Features

Product Type Features

Connector Product Type	Connector Assembly
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	60
PCB Mount Orientation	Vertical
Number of Rows	2

Electrical Characteristics

Operating Voltage	250 VAC
Insulation Resistance	5000 MΩ



Body Features

Primary Product Color	Black
Connector Profile	Standard

Contact Features

Contact Underplating Material	Nickel
	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	Phosphor Bronze
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

Mating Entry Location	Top
Housing Material	Nylon - GF
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[.55 in]
Connector Length	95.5 mm[3.76 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
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	30
Packaging Method	Box

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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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 # 1-1658621-1
60 NOVO MIL/CTR 15DP,LEAD FREE

TE Part # 499252-7
060 STRAIN RELIEF A-L RCPT

TE Part # 1-102387-1
60 MODIV HSG COMP DR .100 POL

TE Part # 1-1658622-1
60 NOVO MIL/CTR 30DP,LEAD FREE

TE Part # 1-1658694-1
A/L UNIV HDR 34P ACT PIN

Also in the Series | AMP-LATCH Universal Headers

Connector Hardware(13)

Ribbon Cable Connectors(523)

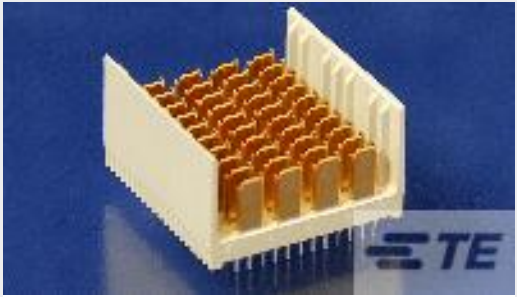
Customers Also Bought

TE Part #6-1625966-9
HSA10 3R3 5%

TE Part #5-6450860-2
MBXLE VERT RCPT 2P+24S+2P

TE Part #6450546-1
MBXL VERT RCPT 4P+24S

TE Part #7-2007830-3
IMP,H,4PR16C,RGLeft EWG,5.5,Sn0.46



TE Part #6469002-1
HM-ZD 4PR HDR 80P 5.2MM

TE Part #6469154-1
HMZD 3PAIR, HDR ASSY, 37.5MM MOD



TE Part #205841-2
CPC RECPT ASSEMBLY SIZE 11-8



TE Part #1609117-8
10EGS1-2=F8241



TE Part #5100141-1
2MM H.M. TYPE "B" PIN ASSY.

TE Part #154918-E
ERMEZT FST GSE 9999 1 *** 10,8 FUEHRUN

Documents

Product Drawings

A/L UNIV HDR 60P VERT

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-5102156-1_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-5102156-1_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-5102156-1_C.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

Application Specification

English

Agency Approvals

Agency Approval Document

1-5102156-1

Wire-to-Board, 60 Position, 2.54 mm [.1 in] Centerline, Vertical, Through Hole - Solder, 2 Row, AMP-LATCH Universal Headers, Ribbon Cable Connectors



English