



**AMP-LATCH | AMP-LATCH Universal Headers**

TE Internal #: 1-5102160-2

Wire-to-Board, 64 Position, 2.54 mm [.1 in] Centerline, Right Angle, Through Hole - Solder, AMP-LATCH Universal Headers, Ribbon Cable Connectors

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AMP-LATCH UNIVERSAL HEADERS



Connector System: **Wire-to-Board**

Number of Positions: **64**

Centerline (Pitch): **2.54 mm [.1 in]**

PCB Mount Retention: **Without**

PCB Mount Orientation: **Right Angle**

[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	64
PCB Mount Orientation	Right Angle
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	2.79 mm[.11 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)	1.57 mm[.062 in]
Connector Height	13.94 mm[.55 in]
Connector Length	100.58 mm[3.96 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	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: 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 # 1-1658620-2  
064 NOVO MIL 15DP FT



TE Part # 1-1658621-2  
64 NOVO MIL/CTR 15DP,LEAD FREE



TE Part # 1-102387-2  
64 MODIV HSG COMP DR .100 POL



TE Part # 2-1658528-3  
636-6441LF=FEM SKT BLD POL/S.R.



TE Part # 1-1658622-2  
64 NOVO MIL/CTR 30DP,LEAD FREE



TE Part # 3-1658527-2  
622-6441LF=FSKT IDC S 64 30AU




TE Part # 1-499252-3  
064 STRAIN RELIEF A-L RCPT

## Also in the Series | AMP-LATCH Universal Headers



Connector Hardware(13)



Ribbon Cable Connectors(523)

## Customers Also Bought



TE Part # 1-1658621-2  
64 NOVO MIL/CTR 15DP,LEAD FREE



TE Part # 553598-1  
PLUG ASSY,24 POSN,SCR LK,L PF



TE Part # 1825255-5  
MHS12304=SPDT SL SW VERT AG



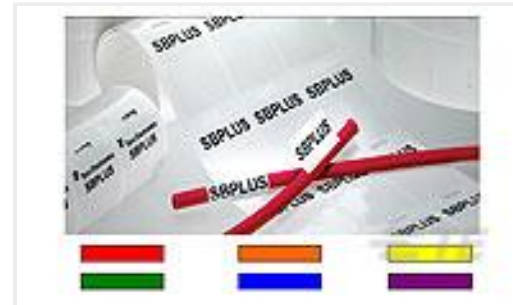
TE Part # TAA755A5501-060  
M12A5-MS-FS-PUR-6.0M



TE Part #7822250001  
RPS-22-18/2.0-S1-9



TE Part #K1130516  
Battery Disconnecter 35-221-100-R



TE Part #CN9935-000  
SBP200375WE1-T200



TE Part #9310900001  
TRSA-1017/C/1/7



TE Part #1SNA105209R1400  
M4/6



TE Part #2337237-1  
TACT MINI GW 5.2X5.2X1.5 70GF

## Documents

### Product Drawings

[A/L UNIV HDR 64P RA](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-5102160-2\\_D.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-5102160-2\\_D.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-5102160-2\\_D.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

### Agency Approvals

[Agency Approval Document](#)



English