

A/L UNIV HDR 10P VERT SHT LAT

✓ ACTIVE

AMP-LATCH | AMP-LATCH Universal Headers

TE Part # 5499160-1

TE Internal #: 5499160-1

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Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors



Connector System: **Wire-to-Board**
Number of Positions: **10**
Centerline (Pitch): **2.54 mm [.1 in]**
PCB Mount Retention: **Without**
PCB Mount Orientation: **Vertical**

Features

Product Type Features

Product Type	Connector
Latch Type	Short
Board Standoff	Without
Connector Type	Header
Header Type	Universal Ejection Pin Headers
Connector System	Wire-to-Board
Row-to-Row Spacing	2.54 mm[.1 in]
Connector Style	Plug
Profile	Standard
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Ejection Latches	With
Number of Positions	10
PCB Mount Orientation	Vertical
Number of Rows	2



Electrical Characteristics

Insulation Resistance	5000 MΩ
Operating Voltage	250 VAC

Body Features

Post Size	.64 mm[.025 in]
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Contact Features

Contact Termination Area Plating Material	Tin
Contact Design	Square Post
Contact Transmits (Typical)	Signal (Data)
Contact Mating Area Plating Thickness	.76 μm[30 μin]
Contact Termination Area Plating Thickness	2.54 μm[100 μin]
Contact Type	Pin
Contact Mating Area Plating Material	Gold
Contact Shape	Square
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass, Phosphor Bronze
Contact Current Rating (Max)	1 A

Termination Features

Termination Post Length	2.79 mm[.11 in]
Termination Method to Printed Circuit Board	Through Hole

Mechanical Attachment

Polarization	With
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	Without
Mating Alignment Type	Center, Dual Polarizing Bar
Mating Connector Lock	With
Mating Connector Lock Type	Latch
Connector Mounting Type	Board Mount

Housing Features

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Housing Style	4-Sided
Housing Material	Glass Filled Nylon/Polyester
Housing Color	Black
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Length	32.004 mm[1.26 in]
Height	13.94 mm[.548 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Shrouded End Dimension	3.81 mm[.15 in]

Usage Conditions

Temperature Rating	Standard
Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]

Operation/Application

For Use With	Mates with Receptacles
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	24
Packaging Method	Package

Other

Comment	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.
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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 2019 (197)



Candidate List Declared Against: JUN 2018
(191)

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 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

 <p>TE Part # 1658527-3 622-1030LF FEM SOCKT, LEAD FREE</p>	 <p>TE Part # 1-1658528-1 636-1030LF=FEM SKT BLADE POL 1</p>	 <p>TE Part # 1658622-1 10 NOVO MIL/CTR 30DP, LEAD FREE</p>	 <p>TE Part # 1658621-1 10 NOVO MIL/CTR 15DP, LEAD FREE</p>
 <p>TE Part # 1658526-4 609-1030LF FEM SOCKT, LEAD FREE</p>	 <p>TE Part # 1658623-1 10 NOVO MIL 30DP, LEAD FREE</p>	 <p>TE Part # 1658624-1 10 NOVO DUAL 30DP, LEAD FREE</p>	 <p>TE Part # 1658620-1 10 NOVO MIL 15DP, LEAD FREE</p>



TE Part # 1658526-3
609-1000MLF FEM SCKT,
LEAD FREE

Also in the Series | AMP-LATCH Universal Headers

Ribbon Cable Connectors
(526)

Ribbon Connector
Accessories(14)

Customers Also Bought

TE Part #650473-5
096 EURO TYPE C PIN ST
ASSY

TE Part #5499160-8
A/L UNIV HDR 34P VERT
SHT LAT

TE Part #103670-3
04 MTE HDR SRST LATCH
W/HLDWN

TE Part #5499160-6
A/L UNIV HDR 26P VERT
SHT LAT

TE Part #5-146281-3
03 MODII HDR SRST B/A
LF

TE Part #5499160-3
A/L UNIV HDR 16P VERT
SHT LAT

TE Part #102312-1
UNIVERSAL HEADER
LATCH

TE Part #5-104363-2
03 MTE HDR SRST LATCH .
100CL

TE Part #1-770166-1
02P MINI UMNL ASSY VO
SNAU LF

TE Part #102320-1
UNIVERSAL HEADER
LATCH



Documents

Product Drawings

A/L UNIV HDR 10P VERT SHT LAT

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5499160-1_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5499160-1_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5499160-1_C.3d_stp.zip

English

Datasheets & Catalog Pages

Ribbon Cable Interconnect Solutions

English

Product Specifications

Product Specification

English

Product Environmental Compliance

TE Material Declaration

English