1-5102156-2 ✔ ACTIVE

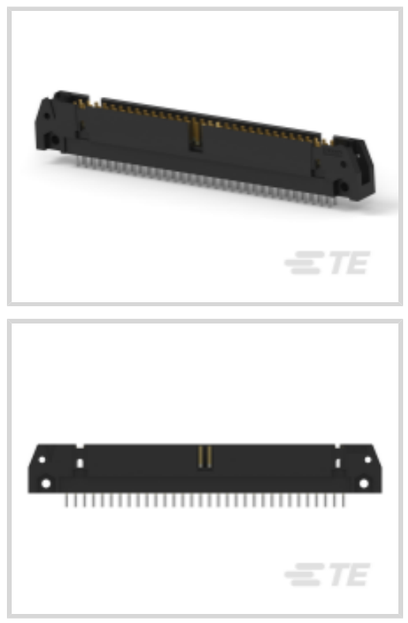
AMP-LATCH | AMP-LATCH Universal Headers

TE Internal #: 1-5102156-2

Wire-to-Board, 64 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: **64**

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

PCB Mount Retention: **Without**

PCB Mount Orientation: **Vertical**

All AMP-LATCH UNIVERSAL HEADERS (525)

Features

Product Type Features

Ribbon Cable Connector Header Type	Universal Ejection Pin Headers
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	64
PCB Mount Orientation	Vertical
Number of Rows	2

Electrical Characteristics

Insulation Resistance	5000 MΩ
Operating Voltage	250 VAC

Body Features

Primary Product Color	Black
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
	30 µin
Contact Mating Area Plating Material	Gold, Gold Flash over Palladium Nickel
Contact Shape & Form	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
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

Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	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]
Connector Length	100.58 mm[3.96 in]
Connector Height	13.94 mm[.55 in]
PCB Thickness (Recommended)	3.18 mm[.125 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

Industry Standards

UL Flammability Rating	UL 94V-0

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

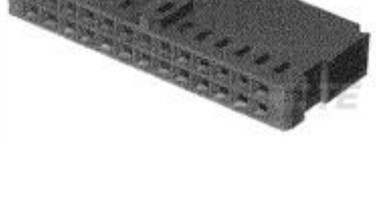
Compatible Parts



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



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



TE Part # 1-1658620-2
064 NOVO MIL 15DP FT



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



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

Also in the Series | AMP-LATCH Universal Headers

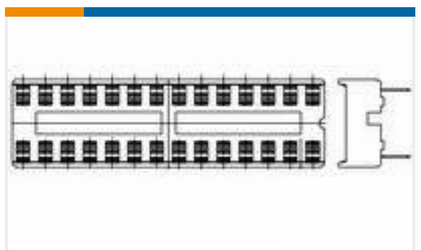


Connector Hardware(13)

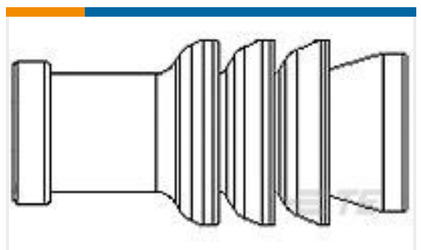


Ribbon Cable Connectors(525)

Customers Also Bought



TE Part #1-2199298-6
20P,DIP SKT,300 CL,LDR,PB FREE



TE Part #967056-1
MQS BLINDSTOPFEN4MM



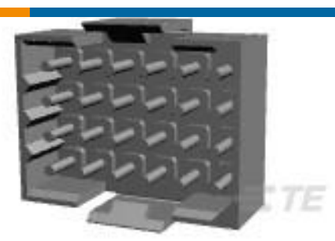
TE Part #499252-1
040 STRAIN RELIEF A-L RCPT



TE Part #6-534206-7
34 MODII VRT DR CE 100/115



TE Part #1658621-9
40 NOVO MIL/CTR 15DP,LEAD FREE



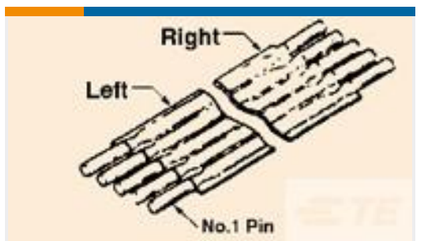
TE Part #1-206763-4
METRIMATE PIN HDR ASSY,24P LF



TE Part #7-1452665-3
MCON 1.2 LL REC SWS AG



TE Part #1-765206-7
VERT. HEADER ASSY. .100CL



TE Part #2-1437190-5
FST-26A-3

Documents

Product Drawings

A/L UNIV HDR 64P VERT

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-5102156-2_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-5102156-2_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-5102156-2_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

English

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

1-962915-1 936348-1 141991-2 1969656-1 2380312-2 917696-1 2005330-1 3-1393225-0 ROX05SJ18R
1-794222-0 1393431-1 1743455-2 175977-2 1903112-2 2310537-1 2377783-2 MPT100C18RF
SBCHE154R7K SMW73R0JT 2-292161-3 CPF0402B37K4E1 CRGCQ2010J3K3 RH73H2A40MKTN
U5254-000005-030PA 2834055-1 3430B2F51RTDF SBCHE64R7K 3631B101LL 650075-000 TE50BR39J