



AMP-LATCH | AMP-LATCH Universal Headers

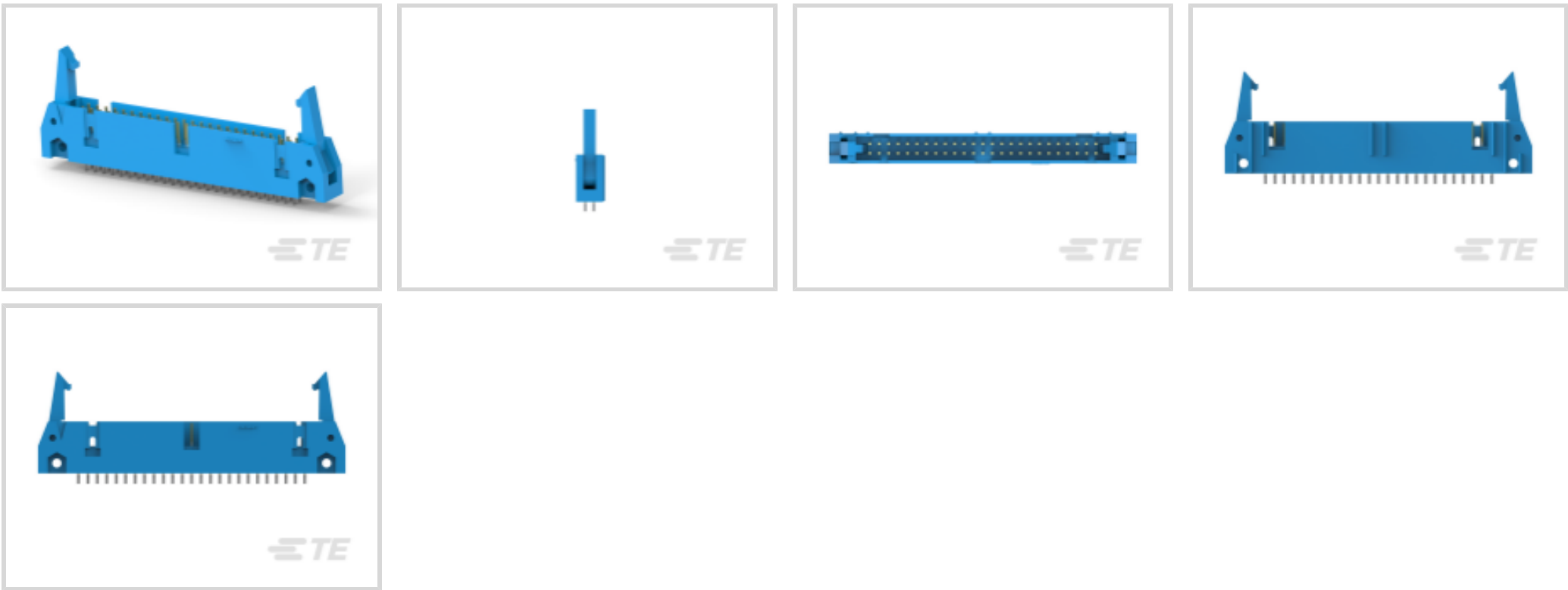
TE Internal #: 3-5499206-0

Wire-to-Board, 50 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: **50**

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

PCB Mount Retention: **Without**

PCB Mount Orientation: **Vertical**

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

Features

Electrical Characteristics

Operating Voltage	250 VAC
Insulation Resistance	5000 MΩ

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	18
Packaging Method	Tray

Usage Conditions

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

Contact Features

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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
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	1 A

Body Features

Primary Product Color	Blue
Connector Profile	Standard

Dimensions

Shrouded End Dimension	3.81 mm[.15 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	13.94 mm[.548 in]
Connector Length	82.8 mm[3.26 in]
Row-to-Row Spacing	2.54 mm[.1 in]

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
Mating Retention	With
Mating Retention Type	Ejection Latch
Connector Mounting Type	Board Mount

Housing Features

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Housing Material	Glass-Filled Nylon/Polyester
Centerline (Pitch)	2.54 mm[.1 in]

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	50
PCB Mount Orientation	Vertical
Number of Rows	2

Operation/Application

Circuit Application	Signal
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Compliance

For compliance documentation, visit the product page on TE.com>

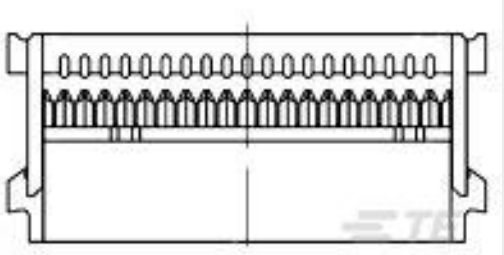
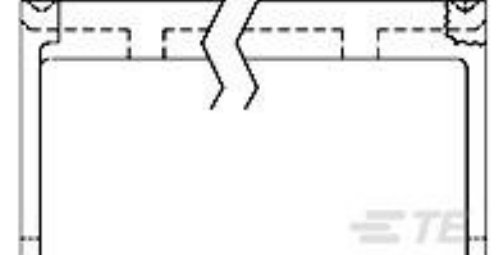
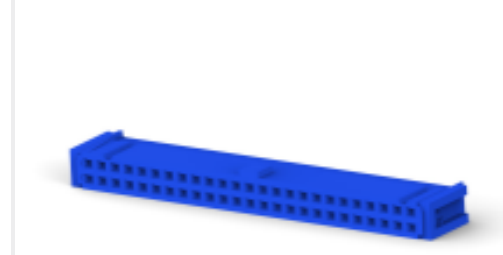
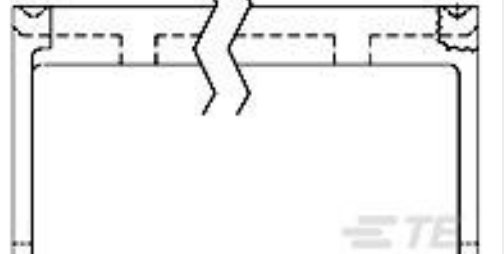
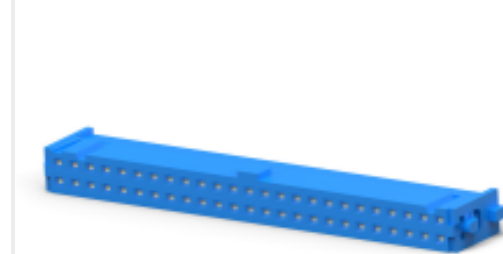
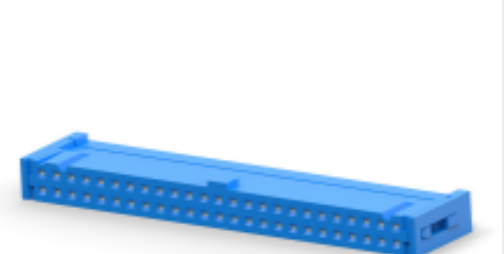
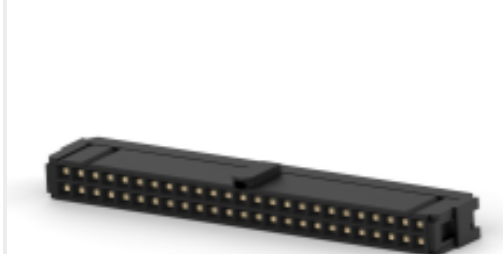
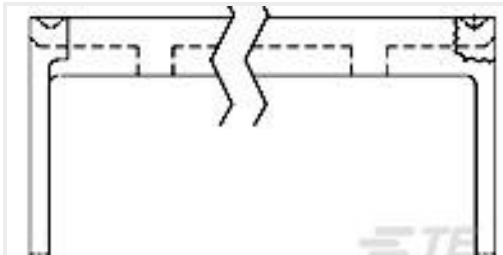
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does 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



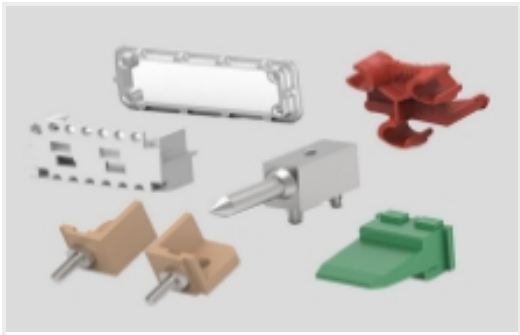
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 2-1658526-2 609-5001MLF FEM SCKT,LEAD FREE	 TE Part # 1-1437025-2 622-5031=FSKT IDC S 50 SR	 TE Part # 1-1658624-0 050 NOVO DUAL 30DP FT	 TE Part # 1-1658527-5 622-5041LF FEM SOCKET,LEAD FREE
 TE Part # 8-1437021-1 609-5031HD=FSKT IDC S 50 SR	 TE Part # 1-1658622-0 50 NOVO MIL/CTR 30DP,LEAD FREE	 TE Part # 1658528-8 636-5041LF FEM SOCKET,LEAD FREE	 TE Part # 2-1658526-3 609-5030LF FEM SOCKET,LEAD FREE
 TE Part # 2-1658526-4 609-5041LF FEM SOCKET,LEAD FREE	 TE Part # 1-1658623-0 50 NOVO MIL 30DP, LEAD FREE	 TE Part # 1-1658621-0 50 NOVO MIL/CTR 15DP,LEAD FREE	 TE Part # 2-1658528-0 636-5030LF=FEM SKT BLADE POL 1
 TE Part # 1-1658620-0 50 NOVO MIL 15DP, LEAD FREE	 TE Part # 1-1658527-4 622-5030LF FEM SOCKET,LEAD FREE	 TE Part # 6-1437028-8 636-5031=FEM SOKT 15 MICRO	 TE Part # 499252-4 050 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 #8-6609107-0
PS0S0DS3B=C1264



TE Part #1-747943-5
KIT,RCPT,9P,HDE,SHLD ENCLSR



TE Part #1757819-5
AMPLIMITE,ASY,PLUG,STD,109,ZN,5



TE Part #205843-1
CPC RECPT ASSEMBLY SIZE 23-63



TE Part #1676427-2
RN 0805 75K 0.1% 10PPM 1KRL



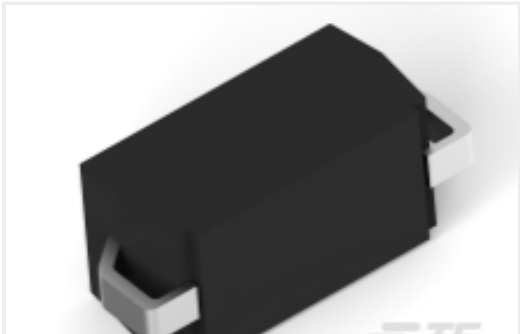
TE Part #1734099-4
Champ 050 series,plug assembly



TE Part #2-1879496-3
CRGH0805 5% 100K 0.33W



TE Part #CAT-HST-CGPT1
CGPT 2:1 Heat Shrink Tubing



TE Part #2-2176324-5
SMV 3W 10M 5%

Documents

Product Drawings

A/L UNIV HDR 50P VERT LG LAT B

English

CAD Files

3D PDF

3D



Customer View Model

[ENG_CVM_CVM_3-5499206-0_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-5499206-0_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-5499206-0_C.3d_stp.zip](#)

English

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Product Specifications

[Product Specification](#)

English