



AMP-LATCH | AMP-LATCH Universal Headers

TE Internal #: 1-5746443-0
Wire-to-Board, 50 Position, 2.54 mm [.1 in] Centerline, Vertical,
Through Hole - Press-Fit, 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: **With**
PCB Mount Retention Type: **Action/Compliant Tail**

[All AMP-LATCH UNIVERSAL HEADERS \(497\)](#)

Features

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

Electrical Characteristics

Insulation Resistance	5000 MΩ
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Body Features

Primary Product Color	Black
Connector Profile	Standard

Contact Features

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

Termination Features

Termination Post & Tail Length	4.42 mm[.174 in]
Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Method to PCB	Through Hole - Press-Fit

Mechanical Attachment

Panel Mount Feature	Without
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	With
PCB Mount Retention Type	Action/Compliant Tail
Mating Alignment Type	Center & Dual
Mating Retention	With
Mating Retention Type	Ejection Latch
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

Shrouded End Dimension	3.81 mm[.15 in]
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PCB Thickness (Recommended)	2.03 mm[.08 in]
Connector Height	13.94 mm[.549 in]
Connector Length	82.8 mm[3.259 in]
Row-to-Row Spacing	2.54 mm[.1 in]

Usage Conditions

Housing Temperature Rating	Standard
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	18
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: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

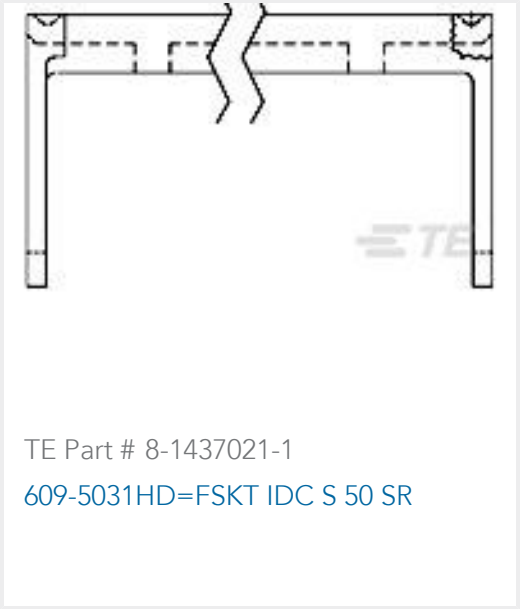
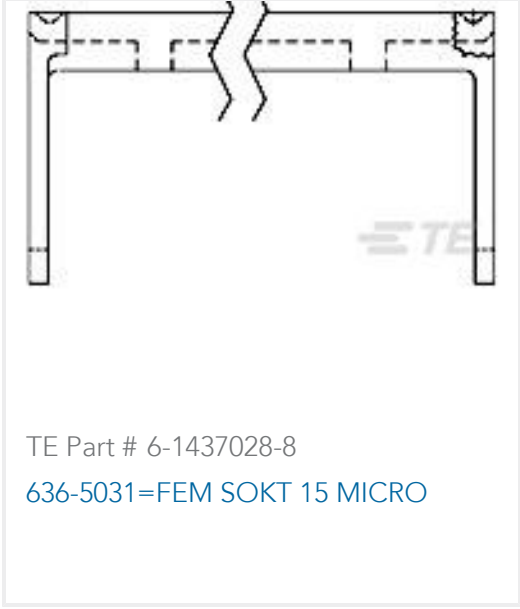
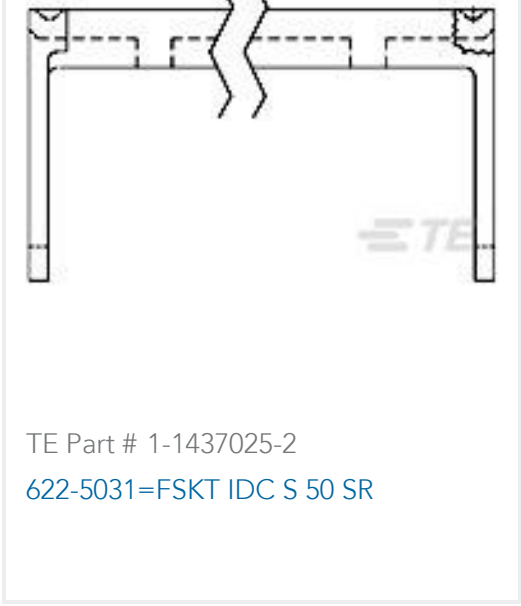
Product Compliance Disclaimer

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

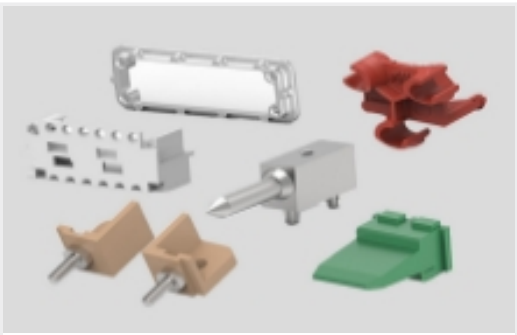


on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) ‘Guidance on requirements for substances in articles’ posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts

 TE Part # 2-1658526-3 609-5030LF 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 # 2-1658526-4 609-5041LF FEM SOCKET,LEAD FREE
 TE Part # 1658528-8 636-5041LF FEM SOCKET,LEAD FREE	 TE Part # 1-1658622-0 50 NOVO MIL/CTR 30DP,LEAD FREE	 TE Part # 8-1437021-1 609-5031HD=FSKT IDC S 50 SR	 TE Part # 2-1658528-0 636-5030LF=FEM SKT BLADE POL 1
 TE Part # 6-1437028-8 636-5031=FEM SOKT 15 MICRO	 TE Part # 499252-4 050 STRAIN RELIEF A-L RCPT	 TE Part # 1-1658527-4 622-5030LF FEM SOCKET,LEAD FREE	 TE Part # 1-1658620-0 50 NOVO MIL 15DP, LEAD FREE
 TE Part # 102320-1 UNIVERSAL HEADER LATCH	 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

Also in the Series | AMP-LATCH Universal Headers



[Connector Hardware\(13\)](#)



[Ribbon Cable Connectors\(497\)](#)

Customers Also Bought



TE Part #171638-1
[MINI U-M-N-L PIN CONT. L/P](#)



TE Part #207530-7
[SKT HDR ASSY, 18 POSN, METRIMATE](#)



TE Part #350669-1
[UMNL GRND PIN 20-14 PTPBR L/P](#)



TE Part #1-350867-0
[01P UMNL PLUG HSG NATL](#)



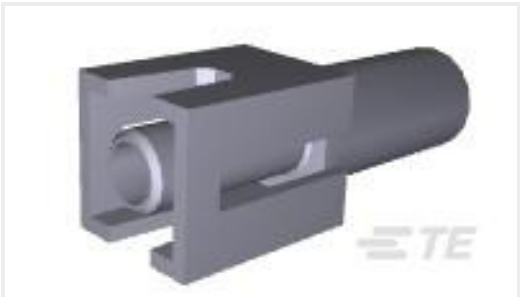
TE Part #1-480699-0
[02P UMNL CAP HSG NATL](#)



TE Part #5-643813-0
[20P MTA100 CONN ASSY POL RIB](#)



TE Part #650861-5
[064 EURO TYPE B RECEPT ST ASSY](#)



TE Part #770421-1
[01P UMNL CAP HSG NATL](#)



TE Part #770986-1
[MINI UMNL SOK 26-22AWG SN LP](#)



TE Part #6-1419102-3
[T9AP1D52-24](#)

Documents

Product Drawings

[A/L UNIV HDR 50P ACT PIN LAT](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-5746443-0_C.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_CVM_1-5746443-0_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-5746443-0_C.3d_stp.zip](#)

English

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Product Specifications

Application Specification

English