

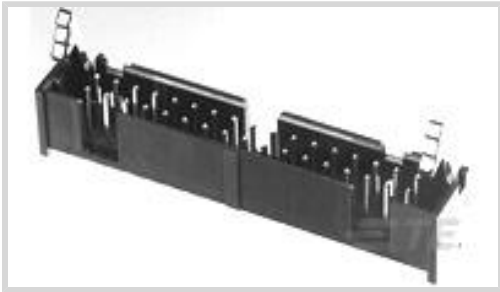


AMP-LATCH

TE Internal #: 3-1761606-6  
Wire-to-Board, 60 Position, 2.54 mm [.1 in] Centerline, Vertical,  
Through Hole - Solder, 2 Row, Plug, Low Profile, Ribbon Cable  
Connectors

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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: **60**  
Centerline (Pitch): **2.54 mm [.1 in]**  
PCB Mount Retention: **Without**  
PCB Mount Orientation: **Vertical**

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	6
Packaging Method	Tube

Usage Conditions

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

Contact Features

Contact Underplating Material	Nickel
Mating Pin Diameter	.64 mm[.025 in]
Contact Mating Area Plating Material Thickness	.762 μm[30 μin]
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material Thickness	2.54 μm[100 μin]
Contact Mating Area Plating Material	Gold Flash
Contact Base Material	Phosphor Bronze



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

Body Features

Daisy Chain	With
Primary Product Color	Blue
Connector Profile	Low

Dimensions

Shrouded End Dimension	3.76 mm[.148 in]
Connector Height	9.19 mm[.36 in]
Connector Length	83.82 mm[3.3 in]
Row-to-Row Spacing	2.54 mm[.1 in]

Termination Features

Termination Post & Tail Diameter	.64 mm[.025 in]
Termination Post & Tail Length	2.6 mm[.102 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

Mating Entry Location	Top
Housing Material	PBT
Centerline (Pitch)	2.54 mm[.1 in]

Product Type Features

Connector Product Type	Connector Assembly
Ribbon Cable Connector Header Type	Pin Header



Connector System	Wire-to-Board
Connector & Housing Type	Plug
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	60
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 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

TE Part # 499252-7  
060 STRAIN RELIEF A-L RCPT

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

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

TE Part # 1-1658694-1  
A/L UNIV HDR 34P ACT PIN

Customers Also Bought

TE Part #DT04-2P  
REC, 2P, GRY, N

TE Part #DT06-2S  
PLG, 2P, GRY, N

TE Part #CAT-D487-W416  
Wedgelocks: DEUTSCH DT

TE Part #CAT-D48-ST273  
DEUTSCH Solid Contacts

TE Part #CAT-AM71-CH8172  
AMP SUPERSEAL 1.5MM,  
CONNECTOR HOUSING

TE Part #206070-8  
CABLE CLAMP KIT #17

TE Part #281934-2  
SINGLE WIRE SEAL

Documents

Product Drawings  
IDC LOW PRO HDR 60P VERT LG LA  
English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_3-1761606-6\_D.2d\_dxf.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_3-1761606-6\_D.3d\_igs.zip

3-1761606-6

Wire-to-Board, 60 Position, 2.54 mm [.1 in] Centerline, Vertical, Through Hole - Solder, 2 Row, Plug, Low Profile, Ribbon Cable Connectors



English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-1761606-6\\_D.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

[Product Specification](#)

English