



AMP-LATCH

TE Internal #: 1-5103311-2

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

[View on TE.com >](#)

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: **Right Angle**

Features

Product Type Features

Ribbon Cable Connector Header Type	Pin Header
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	60
PCB Mount Orientation	Right Angle
Number of Rows	2

Electrical Characteristics

Insulation Resistance	5000 MΩ
Operating Voltage	250 VAC

Body Features

Daisy Chain	With
Primary Product Color	Black
Connector Profile	Low

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	Copper Alloy
Contact Current Rating (Max)	1 A

Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Post & Tail Length	3.05 mm[.12 in]
Termination Method to Printed Circuit Board	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	Without
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

Shrouded End Dimension	3.81 mm[.15 in]
Connector Length	83.82 mm[3.3 in]
Connector Height	8.81 mm[.347 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



Solder Process Feature	Board Standoff
------------------------	----------------

Circuit Application	Signal
---------------------	--------

Industry Standards

UL Flammability Rating	UL 94V-0
------------------------	----------

Packaging Features

Packaging Quantity	35
--------------------	----

Packaging Method	Tube
------------------	------

Other

Wire-to-Board Connector Comment	Mates with Receptacles
---------------------------------	------------------------

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 2023 (235) Candidate List Declared Against: JAN 2023 (233) Does not contain REACH SVHC
--	--

Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
-----------------	--

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

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

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

TE Part # 1-102387-1
60 MODIV HSG COMP DR .100 POL

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

Customers Also Bought

TE Part #3-2176049-0
RLP73K 1E R82 1% 1K RL

TE Part #104313-6
034 LOPRO HDR SP 30DP LATCH

TE Part #2307725-6
6P,2MM,B-B,REC,SRHZ,SMD,0.1AU,TR

TE Part #85488-7
MOD I RECP PLTD 30 SEL

TE Part #1-2176323-7
SMV 2W 2M2 5%

TE Part #8-2176087-9
RP 1J 0.166W 576R 0.1% 25PPM 1K RL

TE Part #2176455-3
CPF 0402 4R42 0.1% 25ppm 1K RL

TE Part #6-2176458-3
CPF 1206 4R42 0.1% 25ppm 1K RL

Documents

Product Drawings

[A/L LOW PRO HDR 60P RA BLACK](#)

English

CAD Files

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG_CVM_CVM_1-5103311-2_B.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_CVM_1-5103311-2_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-5103311-2_B.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[AMPMODU_INTERCONNECTION_SYSTEM_SECTIONS](#)

English

[Ribbon Cable Interconnect Solutions](#)

English

Product Specifications

[Product Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English