



AMP-LATCH

TE Internal #: 1-1761609-5

Wire-to-Board, 50 Position, 2.54 mm [.1 in] Centerline, Right Angle, Through Hole - Solder, 2 Row, Plug, Low Profile, Ribbon Cable Connectors

[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: **50**
 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	50
PCB Mount Orientation	Right Angle
Number of Rows	2

Electrical Characteristics

Insulation Resistance	5000 MΩ
Operating Voltage	250 VAC

Body Features

Primary Product Color	Black
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Connector Profile	Low
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Contact Features

PCB Contact Termination Area Plating Material Thickness	2.54 μ m[100 μ in]
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Mating Pin Diameter	.64 mm[.025 in]
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Contact Type	Pin
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	30 μ in
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Contact Mating Area Plating Material	Gold Flash
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Contact Shape & Form	Square
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Contact Underplating Material	Nickel
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PCB Contact Termination Area Plating Material	Tin
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Contact Base Material	Phosphor Bronze
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Contact Current Rating (Max)	1 A
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Termination Features

Termination Post & Tail Diameter	.64 mm[.025 in]
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Termination Post & Tail Length	2.6 mm[.102 in]
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Termination Method to PCB	Through Hole - Solder
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Mechanical Attachment

Mating Alignment	With
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PCB Mount Alignment	Without
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Panel Mount Feature	Without
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PCB Mount Retention	Without
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Mating Alignment Type	Center
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Mating Retention	With
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Mating Retention Type	Ejection Latch
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Connector Mounting Type	Board Mount
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Housing Features

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

Shrouded End Dimension	3.76 mm[.148 in]
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Connector Length	71.12 mm[2.8 in]
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Connector Height	9.19 mm[.36 in]
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Row-to-Row Spacing	2.54 mm[.1 in]
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Usage Conditions

Housing Temperature Rating	High
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Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
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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	7
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Packaging Method	Tube
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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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
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Wave solder capable to 265°C
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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 # 1-1658622-0
50 NOVO MIL/CTR 30DP, LEAD FREE



TE Part # 1-1658620-0
50 NOVO MIL 15DP, LEAD FREE



TE Part # 1-1658621-0
50 NOVO MIL/CTR 15DP, LEAD FREE



TE Part # 1-1658623-0
50 NOVO MIL 30DP, LEAD FREE



TE Part # 2-1658526-3
609-5030LF FEM SOCKET, LEAD FREE



TE Part # 1-1658527-4
622-5030LF FEM SOCKET, LEAD FREE



TE Part # 2-1658528-0
636-5030LF=FEM SKT BLADE POL 1

Customers Also Bought



TE Part #640456-5
05P MTA100 HDR ASSY F/L SQ STR



TE Part #3-520370-2
ULTRA-FAST 110/125 ASY REC 16-14AWG TPBR



TE Part #5205818-2
FEMALE SCREWLOCK, PLTD



TE Part #3-520404-2
ULTRA-FAST 187 ASY REC 16-14 AWG TPBR



TE Part #2-520183-4
ULTRA-FAST 250 ASY REC 22-18 TPPB



TE Part #2-520193-2
ULTRA-FAST 187 ASY REC 22-18 TPBR



TE Part #3-520406-2
ULTRA-FAST 250 ASY REC 16-14 AWG TPBR



TE Part #2-326875-1
PIDG Ring Tongue Terminals

Documents

Product Drawings

IDC LOW PRO HDR 50P RA SHT LAT

English

CAD Files

3D PDF

3D



Customer View Model

[ENG_CVM_CVM_1-1761609-5_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1761609-5_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1761609-5_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

[Product Specification](#)

English