

AMP-LATCH

TE Internal #: 1-111494-8
Wire-to-Wire, 20 Position, 2.54 mm [.1 in] Centerline, 2 Row, Plug,
Low Profile, Wire & Cable, Signal, Panel Mount, 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-Wire**
Number of Positions: **20**
Centerline (Pitch): **2.54 mm [.1 in]**
PCB Mount Retention: **Without**
Row-to-Row Spacing: **2 mm [.1 in]**

Features

Product Type Features

Connector Product Type	Connector Assembly
Ribbon Cable Connector Header Type	Shrouded
Connector System	Wire-to-Wire
Connector & Housing Type	Plug
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	20
Number of Rows	2

Electrical Characteristics

Operating Voltage	250 VAC
Insulation Resistance	5000 MΩ

Body Features

Daisy Chain	Without
Primary Product Color	Black



Connector Profile	Low
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Contact Features

PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.76 µm[29.92 µin][30 µin]
Wire Contact Termination Area Plating Material	Tin
Mating Square Post Dimension	.64 mm[.025 in]
Contact Shape & Form	Tuning Fork
Contact Mating Area Length	6.1 mm[.24 in]
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Wire Contact Termination Area Plating Thickness	2.54 µm[100 µin]
Contact Type	Pin
Contact Current Rating (Max)	1 A

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
Termination Post & Tail Length	3.3 mm[.13 in]

Mechanical Attachment

Panel Mount Feature	With
Panel Mount Feature Type	Mounting Ears
Mating Alignment	With
PCB Mount Retention	Without
Mating Alignment Type	Keyed
Mating Retention	With
Mating Retention Type	Ejection Latch
Connector Mounting Type	Panel Mount

Housing Features

Housing Material	Thermoplastic
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Compatible Insulation Diameter Range	.81 – .97 mm[.032 – .038 in]
Shrouded End Dimension	3.81 mm[.15 in]
Connector Width	8.38 mm[.33 in]



Wire Size	28 – 26 AWG
Connector Height	23.75 mm[.935 in]
Connector Length	50.19 mm[1.976 in]
Row-to-Row Spacing	2 mm[.1 in]

Usage Conditions

Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
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Operation/Application

Circuit Application	Signal
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Industry Standards

Compatible With Agency/Standards Products	CSA, UL
UL Rating	Recognized
UL Flammability Rating	UL 94V-0
Compatible With Approved Standards Products	CSA LR7189, UL E28476

Packaging Features

Packaging Quantity	50
Packaging Method	Box & Tray, Tray

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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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

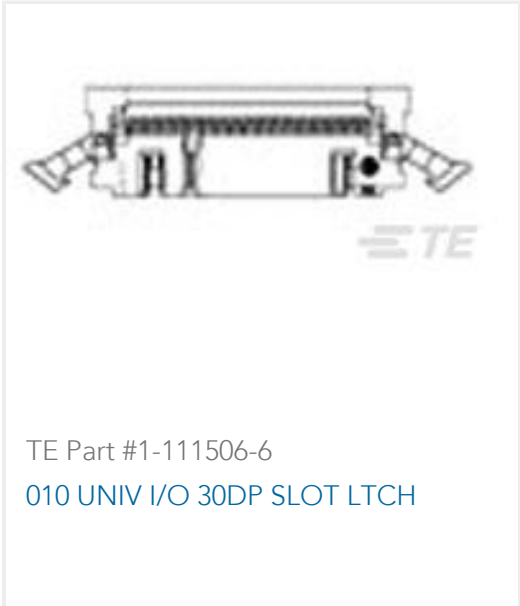


will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or 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 # 1658621-4 20 NOVO MIL/CTR 15DP, LEAD FREE	 TE Part # 1-1658526-2 609-2030LF FEM SOCKET, LEAD FREE	 TE Part # 1658624-4 20 NOVO DUAL 30DP, LEAD FREE	 TE Part # 1658620-4 20 NOVO MIL 15DP, LEAD FREE
 TE Part # 1658622-4 20 NOVO MIL/CTR 30DP, LEAD FREE	 TE Part # 2-1658527-3 622-2030LF=FSKT IDC S 20 30AU	 TE Part # 1-1658528-5 636-2030LF=FEM SKT BLADE POL 1	 TE Part # 1658623-4 20 NOVO MIL 30DP, LEAD FREE

Customers Also Bought

 TE Part #1-111506-6 010 UNIV I/O 30DP SLOT LTCH	 TE Part #1SNK505066R0000 ZS4-BK	 TE Part #2-1658527-3 622-2030LF=FSKT IDC S 20 30AU	 TE Part #5-520315-5 TRIOMATE ASSY V 5P L=3.556LDFR
 TE Part #1SNK505030R0000 ZS4-OR	 TE Part #1761606-5 IDC LOW PRO HDR 14P VERT LA	 TE Part #1676243-2 RN 0805 1K82 0.1% 10PPM 1KRL	 TE Part #1-1625893-5 5W SM M/OX 5% 18R



Documents

Product Drawings

020 UNIV I/O 30DP SLOT LTCH

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-111494-8_K.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-111494-8_K.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-111494-8_K.3d_stp.zip

English

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Datasheets & Catalog Pages

Ribbon Cable Interconnect Solutions

English

Product Specifications

Application Specification

English

Instruction Sheets

Removal Tool for Universal Header Latches

English

Instruction Sheet (U.S.)

English

Agency Approvals

Agency Approval Document

English