

AMP-LATCH

TE Internal #: 1761609-7 Wire-to-Board, 20 Position, 2.54 mm [.1 in] Centerline, Right Angle, Through Hole - Solder, 2 Row, Plug, Low Profile, Ribbon Cable Connectors

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Connector System: Wire-to-Board

Number of Positions: 20

Centerline (Pitch): 2.54 mm [.1 in]

PCB Mount Retention: Without

PCB Mount Orientation: Right Angle

Features



Contact Features

	30 µin
Contact Current Rating (Max)	1 A
Contact Underplating Material	Nickel
Mating Pin Diameter	.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 Flash
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Type	Pin
Product Type Features	
Connector System	Wire-to-Board
Connector & Housing Type	Plug
Connector & Contact Terminates To	Printed Circuit Board

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Centerline (Pitch)2.54 mm[1 in]Mating Fntry LocationTopHousing MaterialPBTHousing MaterialPBTMathad AttachmentWithoutMating Alignment TypeCenterMating Alignment TypeCenterMating RetentionWithMating Retention TypeEjection LatchConnector Mounting TypeBoard MountPanel Mount FeatureWithoutMating AlignmentWithoutPanel Mount FeatureWithoutPanel Mount AlignmentWithoutPromination Post & Tail DiameterMinough Hole - SolderTermination Post & Tail Diameter2.64 mm[.025 in]Termination Post & Tail Length2.64 mm[.025 in]New-to-Row Spacing2.54 mm[.11 in]Shrouded End Dimension3.76 mm[.148 in]Connector Height9.19 mm[.36 in]Connector Length9.19 mm[.36 in]		
Number of Positions20PCB Mount OrientationRight AngleNumber of Rows2Auting Features2Centerline (Pitch)2.54 mm/1 in)Mating Entry LocationTopHousing MaterialBBTAdding AtterialWithoutPCB Mount RetentionWithoutMating RetentionConterMating RetentionWithoutMating RetentionEjection LatchMating Retention TypeBoard MountPCB Mount Retention TypeBoard MountMating Retention TypeBoard MountPCB Mount Retention TypeBoard MountPCB Mount AtlignmentWithoutPCB Mount AtlignmentMountPCB Mount AtlignmentMithoutPCB Mount AtlignmentMithout<	Ribbon Cable Connector Header Type	Pin Header
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Housing Features Centerline (Pitch) 254 nm(1 in) Mating Entry Location Top Housing Material PR Housing Material Without PCB Mount Retention Without Mating Retention Center Mating Retention Without Mating Retention Ejection Latch Mating Retention Type Board Mount Connector Mounting Type Board Mount Panel Mount Feature Without PARE Mount Feature Without Panel Mount Feature Without Panel Mount Feature Without Panel Mount Feature Without Panel Mount Features Without Panel Mount Features Without Panel Mount Features Mating Alignment Panel Mount Features Solder Alignment Panel Mount Features Mating Alignment Panel Mount Alignment Align Migle Paolder Paremination Post & Tail Diameter Align Migle Paolder Row-to-Row Spacing Solder Migle Paolder Shouded Lnd Dimension<	PCB Mount Orientation	Right Angle
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Connector Height9.19 mm[.36 in]Connector Length33.02 mm[1.3 in]Body FeaturesVConnector ProfileLow	Row-to-Row Spacing	2.54 mm[.1 in]
Connector Length 33.02 mm[1.3 in] Body Features Low	Shrouded End Dimension	3.76 mm[.148 in]
Body Features Connector Profile Low	Connector Height	9.19 mm[.36 in]
Connector Profile Low	Connector Length	33.02 mm[1.3 in]
	Body Features	
Primary Product Color Black	Connector Profile	Low
	Primary Product Color	Black

C For support call+1 800 522 6752

Wire-to-Board, 20 Position, 2.54 mm [.1 in] Centerline, Right Angle, Through Hole -Solder, 2 Row, Plug, Low Profile, Ribbon Cable Connectors



Circuit Application	Signal
Usage Conditions	
Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
Housing Temperature Rating	High
Other	
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant
Electrical Characteristics	
Operating Voltage	250 VAC
Insulation Resistance	5000 MΩ
Industry Standards	
UL Flammability Rating	UL 94V-0
Packaging Features	
Packaging Quantity	16
Packaging Method	Tube

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

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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



Customers Also Bought Image: State of the st



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Documents

Product Drawings IDC LOW PRO HDR 20P RA SHT LAT

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1761609-7_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1761609-7_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1761609-7_C.3d_stp.zip

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Datasheets & Catalog Pages Ribbon Cable Interconnect Solutions

English

Product Specifications

Product Specification

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Agency Approvals UL Report

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