5102153-7 ✔ ACTIVE

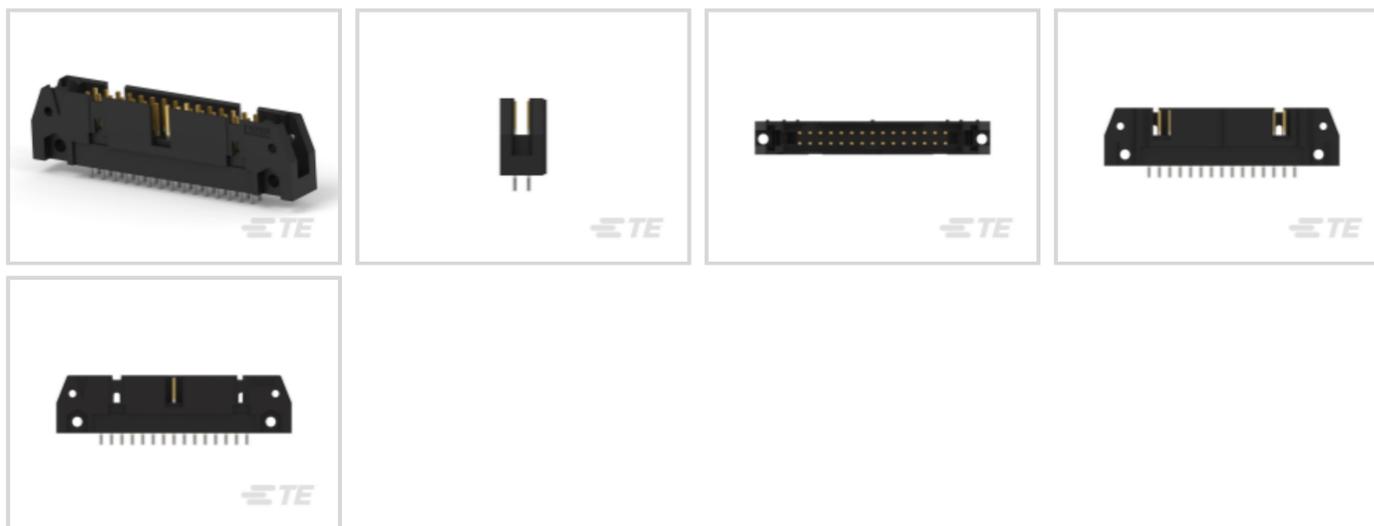## AMP-LATCH | AMP-LATCH Universal Headers

TE Internal #: 5102153-7

Ribbon Cable Connectors, Wire-to-Board, 30 Position, 2.54 mm [.1 in] Centerline, Vertical, Through Hole - Solder, 2 Row, AMP-LATCH Universal Headers

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AMP-LATCH UNIVERSAL HEADERS

Connector System: **Wire-to-Board**

Number of Positions: **30**

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

PCB Mount Retention: **Without**

PCB Mount Orientation: **Vertical**

All AMP-LATCH UNIVERSAL HEADERS (525)

Features

Product Type Features

Connector Type	Header
Ribbon Cable Connector Header Type	Universal Ejection Pin Headers
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	30
PCB Mount Orientation	Vertical
Number of Rows	2

Electrical Characteristics

Insulation Resistance	5000 MΩ

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Ribbon Cable Connectors, Wire-to-Board, 30 Position, 2.54 mm [.1 in] Centerline,
Vertical, Through Hole - Solder, 2 Row, AMP-LATCH Universal Headers

Operating Voltage	250 VAC

Body Features

Connector Profile	Standard

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
	15 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	Phosphor Bronze
Contact Current Rating (Max)	1 A

Termination Features

Round Termination Post & Tail Diameter	.64 mm[.025 in]
Termination Post & Tail Length	2.79 mm[.11 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	With
Mating Retention Type	Ejection Latch
Connector Mounting Type	Board Mount

Housing Features

Mating Entry Location	Top
Housing Material	Nylon - GF
Housing Color	Black
Centerline (Pitch)	2.54 mm[.1 in]

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Ribbon Cable Connectors, Wire-to-Board, 30 Position, 2.54 mm [.1 in] Centerline, Vertical, Through Hole - Solder, 2 Row, AMP-LATCH Universal Headers

Dimensions

Shrouded End Dimension	3.81 mm[.15 in]
Connector Length	57.4 mm[2.26 in]
Connector Height	13.94 mm[.55 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Row-to-Row Spacing	2.54 mm[.1 in]

Usage Conditions

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

Operation/Application

Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	50
Packaging Method	Tray

Other

Comment	For Use With AMP-Latch Receptacle

Product Compliance

For compliance documentation, visit the product page on TE.com>

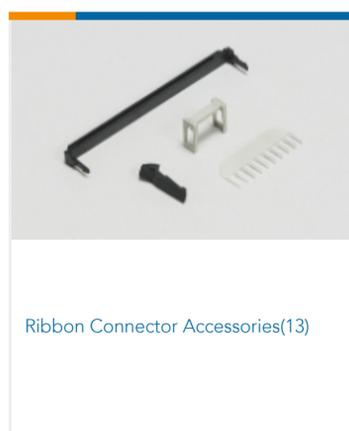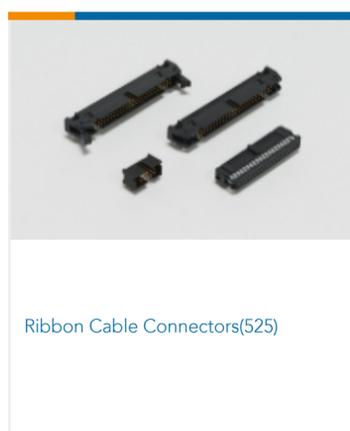|	
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does 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

Ribbon Cable Connectors, Wire-to-Board, 30 Position, 2.54 mm [.1 in] Centerline, Vertical, Through Hole - Solder, 2 Row, AMP-LATCH Universal Headers

Compatible Parts

TE Part # 1-499252-2
030 STRAIN RELIEF A-L RCPT

TE Part # 1658621-7
30 NOVO MIL/CTR 15DP,LEAD FREE

TE Part # 1658620-7
30 NOVO MIL 15DP, LEAD FREE

TE Part # 1658622-7
30 NOVO MIL/CTR 30DP,LEAD FREE

TE Part # 1658623-7
30 NOVO MIL 30DP, LEAD FREE

TE Part # 1658624-7
30 NOVO DUAL 30DP, LEAD FREE

TE Part # 2-1658527-7
622-3041LF=FSKT IDC S 30 30AU

TE Part # 3-215911-0
REC.CONN.
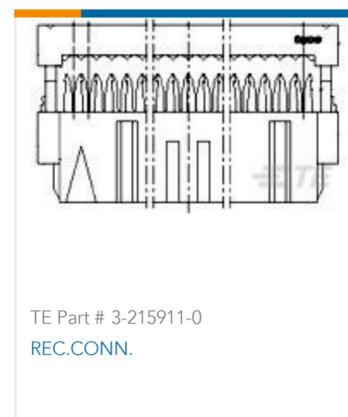
Also in the Series | AMP-LATCH Universal Headers

Ribbon Cable Connectors(525)

Ribbon Connector Accessories(13)

Documents

Product Drawings

A/L UNIV HDR 30P VERT

English

CAD Files

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Ribbon Cable Connectors, Wire-to-Board, 30 Position, 2.54 mm [.1 in] Centerline, Vertical, Through Hole - Solder, 2 Row, AMP-LATCH Universal Headers

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_5102153-7_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5102153-7_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5102153-7_B.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

Product Environmental Compliance

[Product Compliance](#)

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Agency Approvals

[Agency Approval Document](#)

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