

1-746610-4 ✓ ACTIVE



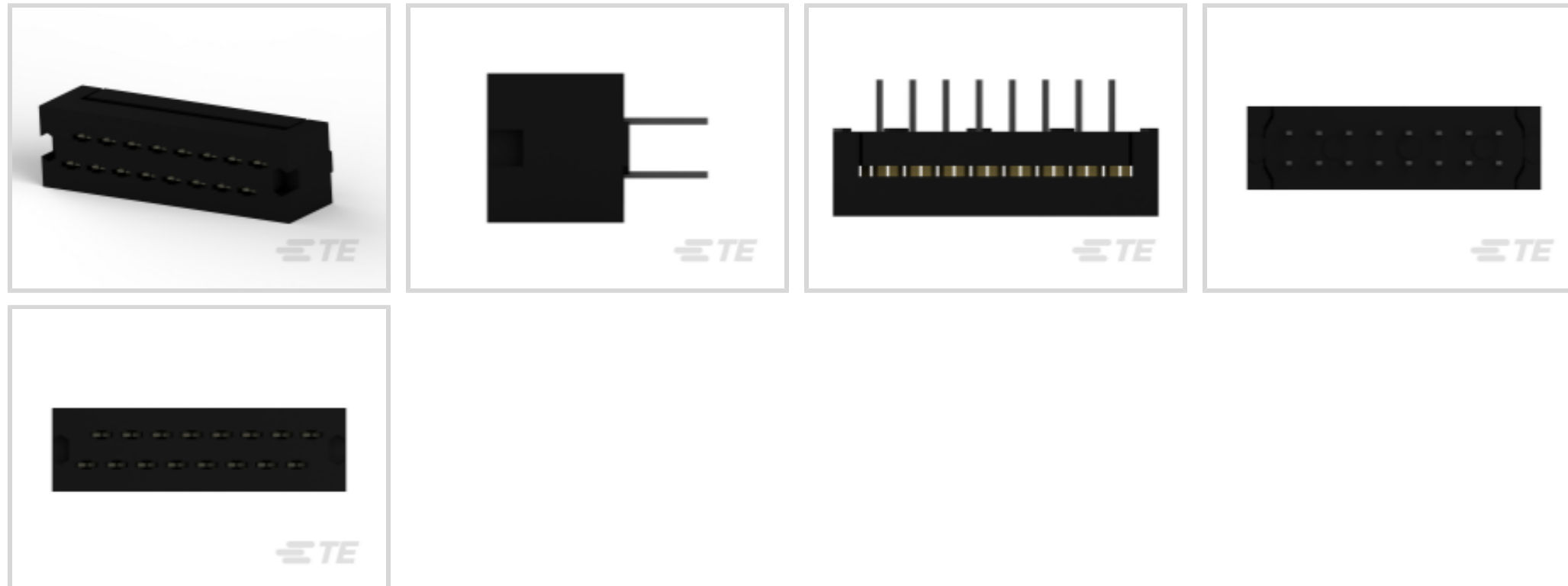
AMP-LATCH

TE Internal #: 1-746610-4

Wire-to-Board, 16 Position, 2.54 mm [.1 in] Centerline, Vertical,
Through Hole - Solder, 2 Row, Plug, Standard 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: **16**

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

PCB Mount Retention: **Without**

PCB Mount Orientation: **Vertical**

Features

Product Type Features

Connector System	Wire-to-Board
Connector & Housing Type	Plug
Connector & Contact Terminates To	Printed Circuit Board, Wire & Cable
Connector Product Type	Connector Assembly
Ribbon Cable Connector Header Type	Pin Header

Configuration Features

Number of Positions	16
PCB Mount Orientation	Vertical
Number of Rows	2

Housing Features

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

Mechanical Attachment

PCB Mount Retention	Without
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Mating Alignment Type	Polarization
Mating Retention	Without
Connector Mounting Type	Board Mount
Panel Mount Feature	Without
Mating Alignment	With
PCB Mount Alignment	Without

Termination Features

Termination Method to PCB	Through Hole - Solder
Rectangular Termination Post & Tail Width	.5 mm[.02 in]
Rectangular Termination Post & Tail Thickness	.32 mm[.013 in]
Termination Method to Wire & Cable	Insulation Displacement (IDC)
Termination Post & Tail Length	3.96 mm[.156 in]

Dimensions

Row-to-Row Spacing	2 mm[.1 in]
Compatible Insulation Diameter Range	.81 – 1.07 mm[.032 – .042 in]
Connector Width	7.06 mm[.278 in]
Wire Size	30 – 26 AWG
PCB Thickness (Recommended)	3.18 mm[.125 in]
Connector Height	6.43 mm[.253 in]
Connector Length	24.89 mm[.98 in]

Body Features

Connector Profile	Standard
Daisy Chain	Without
Primary Product Color	Black

Contact Features

Contact Current Rating (Max)	1 A
Contact Mating Area Plating Material Thickness	2.54 μ m[100 μ in]
Wire Contact Termination Area Plating Material	Gold
PCB Contact Termination Area Plating Material Thickness	2.54 – 5.08 μ m[100 – 200 μ in]
Contact Layout	Inline
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin



Wire Contact Termination Area Plating Thickness	.127 μm [5 μin]
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Contact Type	Pin
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Operation/Application

Circuit Application	Signal
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Solder Process Feature	Solder Dipped
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Usage Conditions

Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
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Other

EU RoHS Compliance	Compliant
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EU ELV Compliance	Compliant
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Electrical Characteristics

Operating Voltage	250 VAC
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Insulation Resistance	5000 M Ω
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Industry Standards

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

Packaging Quantity	50
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Packaging Method	Tube, Box & 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

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



Customers Also Bought





Documents

Product Drawings

16 DIP PLUG, 100CL, LEAD FREE

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1-746610-4_F.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-746610-4_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-746610-4_F.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

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

Agency Approval Document

English