

1-111382-4 ✓ ACTIVE



AMP-LATCH

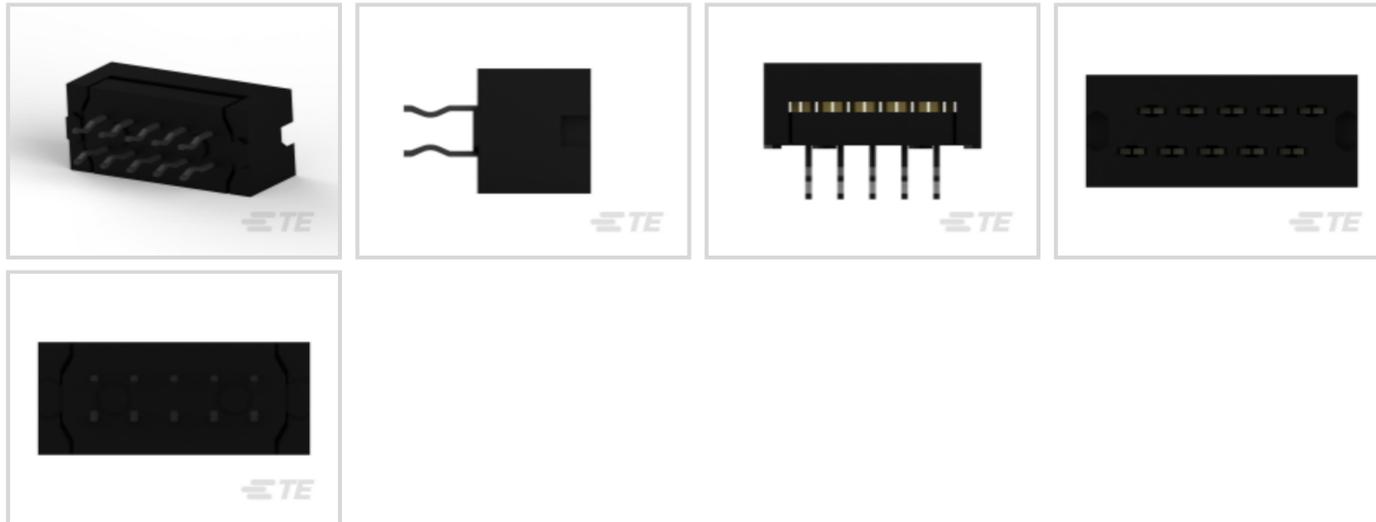
TE Internal #: 1-111382-4

Ribbon Cable Connectors, Wire-to-Board, 10 Position, 2.54 mm [.1 in] Centerline, Vertical, Through Hole - Solder, Insulation

Displacement (IDC), 2 Row

[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: **10**

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

PCB Mount Retention: **With**

PCB Mount Retention Type: **Kinked Legs**

Features

Product Type Features

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

Configuration Features

Number of Positions	10
PCB Mount Orientation	Vertical
Number of Rows	2

Electrical Characteristics

UL Voltage Rating	250 VAC
Insulation Resistance	5000 M Ω
Operating Voltage	250 VAC



Body Features

Daisy Chain	Without
Connector Profile	Low

Contact Features

Contact Layout	Inline
PCB Contact Termination Area Plating Material Thickness	2.54 – 5.08 μm [100 – 200 μin]
Contact Type	Pin
Wire Contact Termination Area Plating Thickness	.127 μm [5 μin]
Wire Contact Termination Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	2.54 μm [100 μin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Tuning Fork
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	1 A

Termination Features

Rectangular Termination Post & Tail Thickness	.32 mm[.013 in]
Rectangular Termination Post & Tail Width	.5 mm[.019 in]
Termination Post & Tail Length	3.96 mm[.156 in]
Termination Method to Printed Circuit Board	Through Hole - Solder
Termination Method to Wire & Cable	Insulation Displacement (IDC)

Mechanical Attachment

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

Housing Features

Housing Color	Black
Centerline (Pitch)	2.54 mm[.1 in]



Dimensions

Connector Length	17.27 mm[.68 in]
Connector Height	6.43 mm[.253 in]
Connector Width	7.06 mm[.278 in]
Wire Size	.051 – .15 mm ²
PCB Thickness (Recommended)	1.57 – 2.36 mm[.062 – .093 in]
Accepts Wire Insulation Diameter Range	.81 – 1.07 mm[.032 – .042 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

Solder Process Feature	Board Standoff
Circuit Application	Signal

Industry Standards

CSA File Number	LR 7189
UL Rating	Recognized
Agency/Standard	CSA, UL
UL File Number	E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	50
Packaging Method	Box & Tube, 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 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

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



Documents

Product Drawings

10 DIP PLUG, LEAD FREE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-111382-4_N.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-111382-4_N.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-111382-4_N.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

Product Environmental Compliance

TE Material Declaration

English

Instruction Sheets

Instruction Sheet (U.S.)

English