

#### **AMP-LATCH**

TE Internal #: 2-746610-0

Ribbon Cable Connectors, Wire-to-Board, 50 Position, 2.54 mm [.1

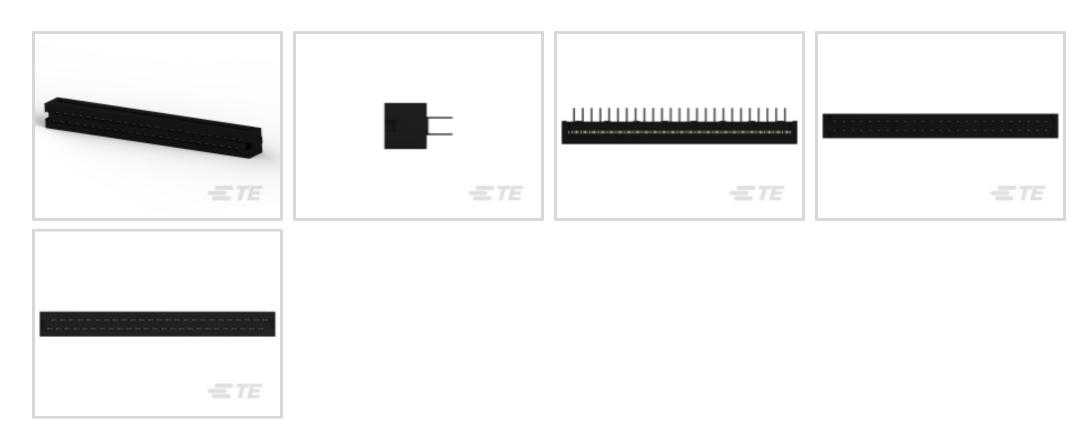
in] Centerline, Vertical, Through Hole - Solder, 2 Row, Plug,

Standard Profile

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: 50

Centerline (Pitch): 2.54 mm [ .1 in ]
PCB Mount Retention: Without
PCB Mount Orientation: Vertical

### **Features**

#### **Product Type Features**

Troduct Type reductes	
Ribbon Cable Connector Header Type	Pin Header
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	50
PCB Mount Orientation	Vertical
Number of Rows	2
Electrical Characteristics	
Insulation Resistance	5000 MΩ
Operating Voltage	250 VAC

Without

**Body Features** 

Daisy Chain



Primary Product Color	Black
Connector Profile	Standard
Contact Features	
PCB Contact Termination Area Plating Material Thickness	2.54 - 5.08 μm[100 - 200 μin]
Contact Layout	Inline
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	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[.02 in]
Termination Post & Tail Length	3.96 mm[.156 in]
Termination Method to Wire & Cable	Insulation Displacement (IDC)
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	Polarization
Mating Retention	Without
Connector Mounting Type	Board Mount
Housing Features	
Housing Material	Thermoplastic
Centerline (Pitch)	2.54 mm[.1 in]
Dimensions	
Connector Length	68.07 mm[2.68 in]
Connector Height	6.43 mm[.253 in]



Connector Width	7.06 mm[.278 in]
Wire Size	.05115 mm²
PCB Thickness (Recommended)	3.18 mm[.125 in]
Compatible Insulation Diameter Range	.81 - 1.07 mm[.032042 in]
Row-to-Row Spacing	2 mm[.1 in]
Usage Conditions	
Operating Temperature Range	-65 - 105 °C[-85 - 221 °F]
Operation/Application	
Solder Process Feature	Solder Dipped
Circuit Application	Signal
Industry Standards	
UL Rating	Recognized
Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0
Packaging Features	
Packaging Quantity	300

## **Product Compliance**

Packaging Method

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 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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

Box & Tube, Tube

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



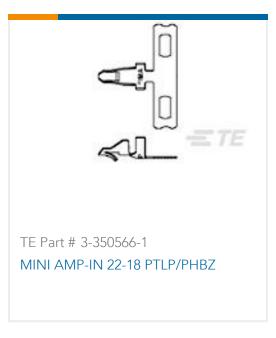


# Customers Also Bought





















#### **Documents**

**Product Drawings** 

50 DIP PLUG, 100CL, LEAD FREE

English

**CAD Files** 

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_2-746610-0\_F.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2-746610-0\_F.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2-746610-0\_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