# 1-746610-7 ✔ ACTIVE

AMP-LATCH

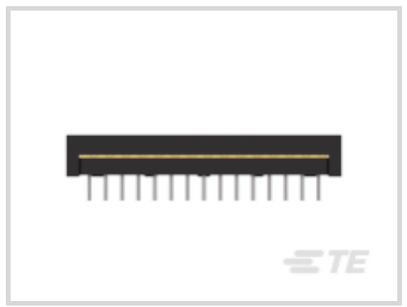
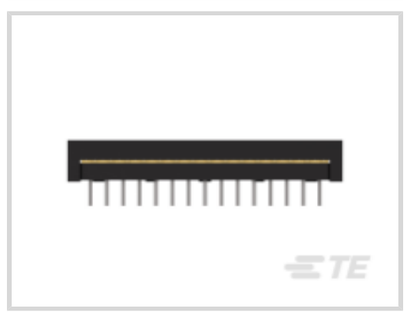
TE Internal #: 1-746610-7

Wire-to-Board, 30 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: **30**

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

PCB Mount Retention: **Without**

PCB Mount Orientation: **Vertical**

## Features

### Product Type Features

| | |
|---|---|
| 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 | 30 |
| PCB Mount Orientation | Vertical |
| Number of Rows | 2 |

### Electrical Characteristics

| | |
|---|---|
| Insulation Resistance | 5000 MΩ |
| Operating Voltage | 250 VAC |

### Body Features

| | |
|---|---|
| Daisy Chain | Without |

| | |
|---|---|
| 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 PCB | 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 | 42.67 mm[1.68 in] |
| Connector Height | 6.43 mm[.253 in] |

| | |
|---|---|
| Connector Width | 7.06 mm[.278 in] |
| Wire Size | .051 – .15 mm² |
| PCB Thickness (Recommended) | 3.18 mm[.125 in] |
| Compatible 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] |

## 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 | 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 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>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



TE Part # 768340-1
UNIV HAND TOOL KIT AMPLATCH

## Customers Also Bought



TE Part #HDC14-6
DUST CAP, 6P, PLG, GRY, HD10



TE Part #323008
PIDG R 22-16 COMM 22-18 MIL 6



TE Part #487406-4
FFC RCPT CONT SP 100SNPB RL



TE Part #1-1825139-7
A205SYCQ04



TE Part #1-480277-0
09P CMNL CAP HSG P/M NATL



TE Part #5-1625892-3
3W SM M/OX 5% 47K



TE Part #5-1625892-9
3W SM M/OX 5% 56K



TE Part #1241846-1
TAB A 1.6x0.6 CONTACT CS SRC Sn

TE Part #5-1825137-3
A107TZB04

TE Part #ZPF000000000098400
164-8013-08 A499

## Documents

### Product Drawings

30 DIP PLUG, 100CL, LEAD FREE

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-746610-7_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-746610-7_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-746610-7_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

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## TE Connectivity:

3430B2F51RTDF CRGCQ2010J3K3 2310537-1 917696-1 RH73H2A40MKTN SBCHE154R7K 141991-2 2377783-2 3-1393225-0 3631B101LL ROX05SJ18R TE50BR39J 1969656-1 2-292161-3 CPF0402B37K4E1 1-794222-0 1743455-2 1903112-2 650075-000 936348-1 2005330-1 MPT100C18RF 1393431-1 SBCHE64R7K 175977-2 2834055-1 SMW73R0JT U5254-000005-030PA 1-962915-1 2380312-2