# 2-1761603-1 ✔ ACTIVE

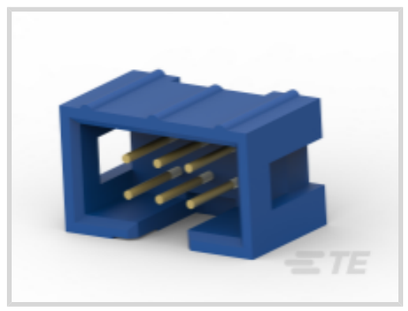
AMP-LATCH

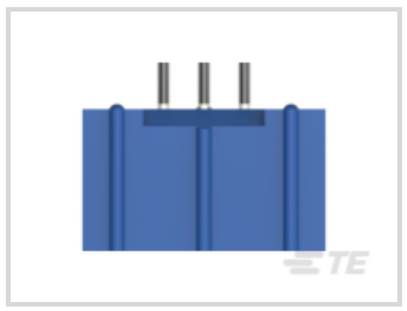
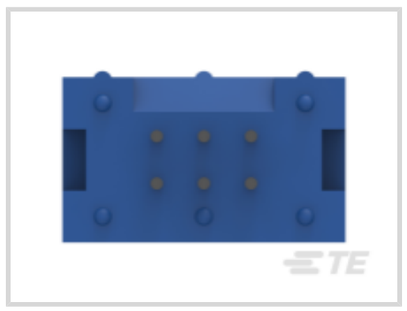
TE Internal #: 2-1761603-1

Wire-to-Board, 6 Position, 2.54 mm [.1 in] Centerline, Vertical, Through Hole - Solder, 2 Row, Plug, Low 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: **6**

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

PCB Mount Retention: **Without**

PCB Mount Orientation: **Vertical**

## Features

### Product Type Features

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

### Configuration Features

| | |
|---|---|
| Number of Positions | 6 |
| PCB Mount Orientation | Vertical |
| Number of Rows | 2 |

### Electrical Characteristics

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

### Body Features

| | |
|---|---|
| Daisy Chain | With |

| | |
|---|---|
| Primary Product Color | Blue |
| Connector Profile | Low |

## Contact Features

| | |
|---|---|
| | 30 µin |
| Contact Underplating Material | Nickel |
| Mating Pin Diameter | .64 mm[.025 in] |
| Mating Square Post Dimension | .64 mm[.025 in] |
| Contact Shape & Form | Square |
| PCB Contact Termination Area Plating Material Thickness | 2.54 µm[100 µin] |
| Contact Mating Area Plating Material | Gold (Au) |
| Contact Base Material | Phosphor Bronze |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Type | Pin |
| Contact Current Rating (Max) | 1 A |

## Termination Features

| | |
|---|---|
| Termination Post & Tail Diameter | .64 mm[.025 in] |
| Termination Post & Tail Length | 2.6 mm[.102 in] |
| Square Termination Post & Tail Dimension | .5 mm[.02 in] |
| Termination Method to PCB | Through Hole - Solder |

## Mechanical Attachment

| | |
|---|---|
| Panel Mount Feature | Without |
| Mating Alignment | With |
| PCB Mount Alignment | Without |
| PCB Mount Retention | Without |
| Mating Alignment Type | Center |
| Mating Retention | Without |
| Connector Mounting Type | Board Mount |

## Housing Features

| | |
|---|---|
| Mating Entry Location | Top |
| Housing Material | PBT |
| Centerline (Pitch) | 2.54 mm[.1 in] |

## Dimensions

| | |
|---|---|
| Shrouded End Dimension | 3.81 mm[.15 in] |
| Connector Height | 8.89 mm[.35 in] |
| Connector Length | 15.24 mm[.6 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 | Package |

## 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 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<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

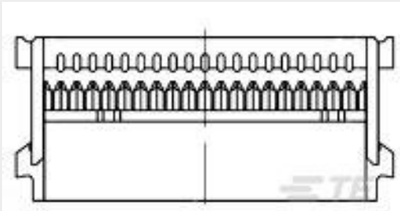
## Compatible Parts



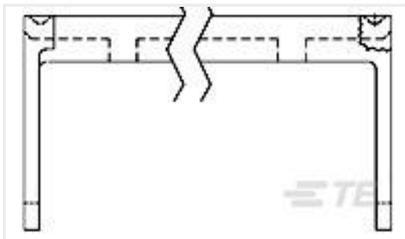
TE Part # 1-1658528-0
636-0630LF=FEM SKT BLAD POL



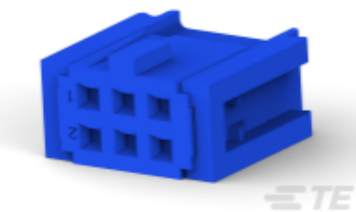
TE Part # 1658526-2
609-0641LF FEM SOCKT,LEAD FREE



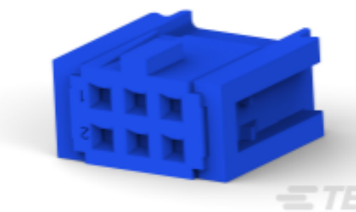
TE Part # 1658526-1
609-0630LF FEM SOCKT,LEAD FREE



TE Part # 2-1437020-1
609-0631=FSKT IDC S 06 SR



TE Part # 1-1658527-9
622-0641LF=FSKT IDC S 06 30AU



TE Part # 1658527-2
622-0630LF FEM SOCKT,LEAD FREE



TE Part # 2-1658528-4
636-0641LSLF FEMALE SOCKET CON

## Customers Also Bought



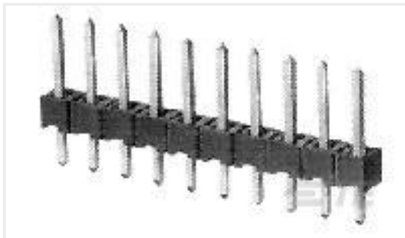
TE Part #NB14862001
DWP-125-1/4-0-STK



TE Part #179227-4
AMP CT CRIMP-2 REC CONT AU



TE Part #227699-2
BNC PCB VERTICAL



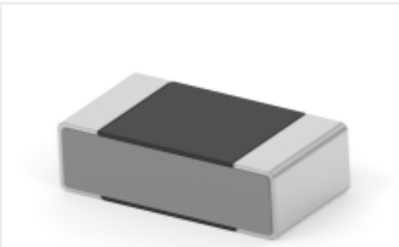
TE Part #826646-8
8P AMPMODU II STIFT LEI



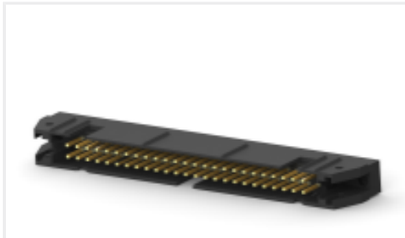
TE Part #2-1623728-4
BCHE 11 W 4R7 10%



TE Part #1734366-3
Std USB Type A, VT, T/H, Blue



TE Part #7-1879417-7
CPF0603 768K 0.1% 25PPM 1K RL



TE Part #CAT-AM74-UN384H
AMP-LATCH UNIVERSAL HEADERS

TE Part #2296603-1
MICROMATCH CABLE ASSY, PB TO MOW, 50MM

# Documents

## CAD Files

### 3D PDF

3D

### Customer View Model

ENG_CVM_CVM_2-1761603-1_A.2d_dxf.zip

English

### Customer View Model

ENG_CVM_CVM_2-1761603-1_A.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_2-1761603-1_A.3d_stp.zip

English

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## Product Specifications

### Product Engineering Evaluation Report

English

### Product Specification

English

## Agency Approvals

### UL Report

English