# 2-111446-1 ✔ ACTIVE

AMP-LATCH

TE Internal #: 2-111446-1

Wire-to-Wire, 30 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-Wire**

Number of Positions: **30**

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

PCB Mount Retention: **Without**

PCB Mount Retention Type: **Screw Mount**

## Features

### Product Type Features

| | |
|---|---|
| Connector System | Wire-to-Wire |
| Connector & Housing Type | Plug |
| Connector & Contact Terminates To | Wire & Cable |
| Connector Product Type | Connector Assembly |
| Ribbon Cable Connector Header Type | Shrouded |

### Configuration Features

| | |
|---|---|
| Number of Positions | 30 |
| 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 |

| | |
|---|---|
| PCB Mount Retention Type | Screw Mount |
| Mating Alignment Type | Keyed |
| Mating Retention | Without |
| Connector Mounting Type | Cable Mount (Free-Hanging) |
| Panel Mount Feature | Without |
| Mating Alignment | With |
| PCB Mount Alignment | With |

## Termination Features

| | |
|---|---|
| Termination Method to PCB | Through Hole - Solder |
| Termination Method to Wire & Cable | Insulation Displacement (IDC) |

## Dimensions

| | |
|---|---|
| Row-to-Row Spacing | 2 mm[.1 in] |
| Compatible Insulation Diameter Range | .81 – .97 mm[.032 – .038 in] |
| Shrouded End Dimension | 3.81 mm[.15 in] |
| Connector Width | 8.38 mm[.33 in] |
| Wire Size | 28 – 26 AWG |
| Connector Height | 14.48 mm[.57 in] |
| Connector Length | 52.63 mm[2.072 in] |

## Body Features

| | |
|---|---|
| Connector Profile | Low |
| Daisy Chain | Without |
| Primary Product Color | Black |

## Contact Features

| | |
|---|---|
| Contact Current Rating (Max) | 1 A |
| Contact Mating Area Plating Material Thickness | .76 µm[30 µin][29.92 µin] |
| Wire Contact Termination Area Plating Material | Tin |
| Mating Square Post Dimension | .64 mm[.025 in] |
| Contact Mating Area Length | 6.1 mm[.24 in] |
| Contact Base Material | Phosphor Bronze |
| Wire Contact Termination Area Plating Thickness | 2.54 µm[100 µin] |
| Contact Type | Pin |

## Operation/Application

| | |
|---|---|
| Circuit Application | Signal |
| Solder Process Feature | Solder Dipped |

## Usage Conditions

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

## Other

| | |
|---|---|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance | Compliant |

## Electrical Characteristics

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

## Industry Standards

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

## Packaging Features

| | |
|---|---|
| Packaging Quantity | 50 |
| Packaging Method | Tray, Box & Tray |

# Product Compliance

For compliance documentation, visit the product page on TE.com>

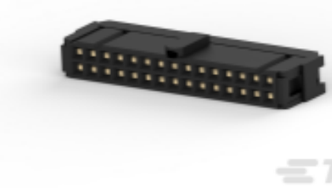
| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2024 (241)<br>Candidate List 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 | Not applicable for solder process capability |

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 # 1-499252-2
030 STRAIN RELIEF A-L RCPT



TE Part # 1658621-7
30 NOVO MIL/CTR 15DP,LEAD FREE

TE Part # 1658620-7
30 NOVO MIL 15DP, LEAD FREE

TE Part # 1658623-7
30 NOVO MIL 30DP, LEAD FREE

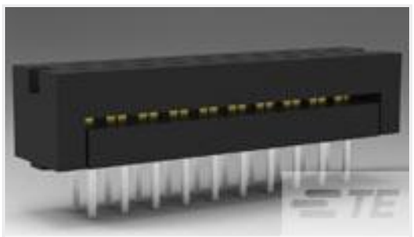
TE Part # 111547-7
030 UNIV I/O STRAIN RELIEF

TE Part # 1658622-7
30 NOVO MIL/CTR 30DP,LEAD FREE

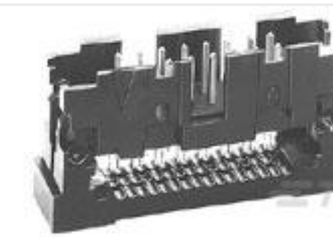
TE Part # 1658624-7
30 NOVO DUAL 30DP, LEAD FREE

TE Part # 2-1658527-7
622-3041LF=FSKT IDC S 30 30AU

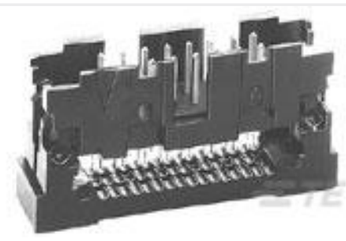
## Customers Also Bought



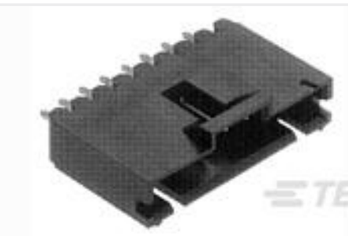
TE Part #1-746610-7
30 DIP PLUG, 100CL, LEAD FREE



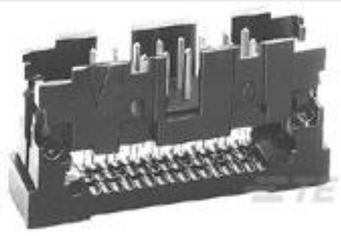
TE Part #1-111446-7
50 UNIV I/O, NO EARS,LEAD FREE



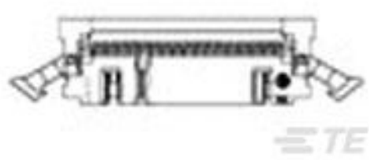
TE Part #2-111446-0
026 UNIV I/O 30DP NO EARS



TE Part #103639-6
07 MTE HDR SRST LATCH .100CL

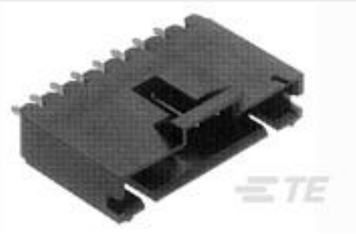


TE Part #2-111446-3
040 UNIV I/O 30DP NO EARS



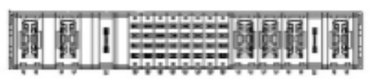
TE Part #1-111504-8
024 UNIV I/O 30DP NO EARS LTCH

TE Part #66563-6
III+ SKT,24-20,TIN-LEAD,STRIP



TE Part #103908-3
04 MTE HDR SRST LATCH W/HLDWN

TE Part #1776089-1
CMC PLUG ASSEMBLY,SZ 28



TE Part #2314578-2
R/A HEADER, MULTI-BEAM XLE, VITA 62

## Documents

### Product Drawings

030 UNIV I/O 30DP NO EARS

English

### CAD Files

Customer View Model

ENG_CVM_CVM_2-111446-1_M.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-111446-1_M.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-111446-1_M.3d_stp.zip

English



### Datasheets & Catalog Pages

Ribbon Cable Interconnect Solutions

English

### Product Specifications

Application Specification

English

### Agency Approvals

Agency Approval Document

English