

1-111446-4 ✓ ACTIVE



AMP-LATCH

TE Internal #: 1-111446-4

Wire-to-Wire, 10 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: **10**  
Centerline (Pitch): **2.54 mm [.1 in]**  
PCB Mount Retention: **Without**  
PCB Mount Retention Type: **Screw Mount**

**Features**

**Product Type Features**

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

**Configuration Features**

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

**Electrical Characteristics**

Operating Voltage	250 VAC
Insulation Resistance	5000 MΩ

**Body Features**

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



Primary Product Color	Black
Connector Profile	Low

### Contact Features

Contact Mating Area Plating Material Thickness	.76 $\mu\text{m}$ [29.92 $\mu\text{in}$ ][30 $\mu\text{in}$ ]
Wire Contact Termination Area Plating Material	Tin
Mating Square Post Dimension	.64 mm[.025 in]
Contact Shape & Form	Tuning Fork
Contact Mating Area Length	6.1 mm[.24 in]
Contact Base Material	Phosphor Bronze
Wire Contact Termination Area Plating Thickness	2.54 $\mu\text{m}$ [100 $\mu\text{in}$ ]
Contact Type	Pin
Contact Current Rating (Max)	1 A

### Termination Features

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

### Mechanical Attachment

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

### Housing Features

Housing Material	Thermoplastic
Centerline (Pitch)	2.54 mm[.1 in]

### Dimensions

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	27.23 mm[1.072 in]
Row-to-Row Spacing	2 mm[.1 in]

### Usage Conditions

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

### Operation/Application

Circuit Application	Signal
---------------------	--------

### Industry Standards

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

### Packaging Features

Packaging Quantity	110
Packaging Method	Box & Tray, Tray

## Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

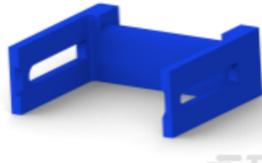
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does 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

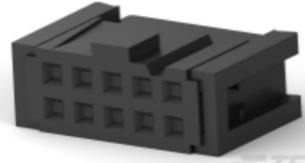
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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>

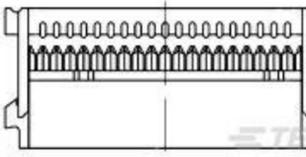
## Compatible Parts



TE Part # 3-1437020-7  
609-1031HD=FSKT IDC S 10 SR



TE Part # 1-1658528-1  
636-1030LF=FEM SKT BLADE POL 1



TE Part # 1658526-5  
609-1041LF FEM SOCKET, LEAD FREE



TE Part # 1658528-2  
636-1041LF FEM SOCKET, LEAD FREE



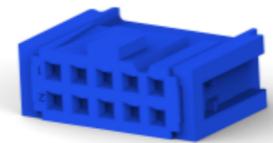
TE Part # 1658620-1  
10 NOVO MIL 15DP, LEAD FREE



TE Part # 1658622-1  
10 NOVO MIL/CTR 30DP, LEAD FREE



TE Part # 1658527-4  
622-1041LF FEM SOCKET, LEAD FREE



TE Part # 1658527-3  
622-1030LF FEM SOCKET, LEAD FREE



TE Part # 1658623-1  
10 NOVO MIL 30DP, LEAD FREE



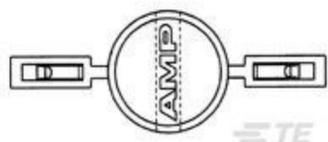
TE Part # 111547-1  
010 UNIV I/O STRAIN RELIEF



TE Part # 1658526-4  
609-1030LF FEM SOCKET, LEAD FREE



TE Part # 1658624-1  
10 NOVO DUAL 30DP, LEAD FREE



TE Part # 499991-3  
POLARIZER AMP-LATCH 1000/BAG



TE Part # 499991-2  
POLARIZER AMP-LATCH 50/BAG



TE Part # 499252-5  
010 STRAIN RELIEF A-L RCPT



TE Part # 1658621-1  
10 NOVO MIL/CTR 15DP, LEAD FREE

## Customers Also Bought



TE Part #1SNA113091R0000  
PFN1.G



TE Part #EK4885-000  
BTH1-13-08-1-ZN-SB



TE Part #2-34145-1  
PG R 22-16 COMM 22-18 MIL 8



TE Part #90870-1  
PROC RMP TL W/DIE COMM .062 P/S



TE Part #111451-3  
LATCH, UNIV I/O



TE Part #111547-1  
010 UNIV I/O STRAIN RELIEF



TE Part #1-170823-4  
187 FASTON SLEEVE, REC.,  
TRANSPARENT, NAT



TE Part #282837-6  
TERMI-BLOK PCB MOUNT 6P



TE Part #3-644020-4  
04P MTA100 CONN ASSY 30AU



TE Part #1-2176416-6  
9W STD M/OX 5% 220R

## Documents

### Product Drawings

10 UNIV I/O, NO EARS, LEAD FREE

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_1-111446-4\\_M.2d\\_dxf.zip](#)

English

### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-111446-4\\_M.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-111446-4\\_M.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

---

[Agency Approvals](#)

[Agency Approval Document](#)

English