

84501-1 ✓ ACTIVE

ZIF-LINE | ZIF LINE

TE Internal #: 84501-1

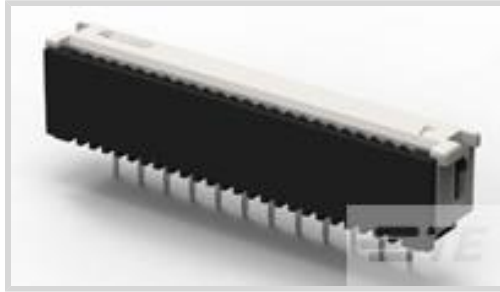
Connector Assembly, Wire-to-Board, 12 Position, 2.54 mm [.1 in]

Centerline, 1 Row, Vertical, Tube, ZIF LINE, FFC Connectors

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Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > FFC Connectors



FFC Connector Product Type: **Connector Assembly**

Connector System: **Wire-to-Board**

Number of Positions: **12**

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

Number of Rows: **1**

Features

Industry Standards

| | |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

Termination Features

| | |
|---------------------------|-----------------------|
| Termination Method to PCB | Through Hole - Solder |
|---------------------------|-----------------------|

| | |
|--------------------------------|------------------|
| Termination Post & Tail Length | 3.94 mm[.155 in] |
|--------------------------------|------------------|

Dimensions

| | |
|-----------------------------|------------------|
| PCB Thickness (Recommended) | 2.36 mm[.093 in] |
|-----------------------------|------------------|

Operation/Application

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

Contact Features

| | |
|-------------------|-------------|
| Contact Thickness | 150 μ m |
|-------------------|-------------|

| | |
|----------------|--------|
| Contact Layout | Inline |
|----------------|--------|

| | |
|-----------------------|-----------------|
| Contact Base Material | Phosphor Bronze |
|-----------------------|-----------------|

| | |
|---|-----|
| PCB Contact Termination Area Plating Material | Tin |
|---|-----|

| | |
|------------------------------|-----|
| Contact Current Rating (Max) | 1 A |
|------------------------------|-----|

Mechanical Attachment

| | |
|---------------------|---------|
| PCB Mount Retention | Without |
|---------------------|---------|

| | |
|------------------|---------|
| Mating Retention | Without |
|------------------|---------|

| | |
|------------------|---------|
| Mating Alignment | Without |
|------------------|---------|



Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 13 |
| Packaging Method | Tube |

Housing Features

| | |
|--------------------|-----------------|
| Housing Material | Polyester |
| Centerline (Pitch) | 2.54 mm [.1 in] |
| FFC Cable Entry | Vertical |

Product Type Features

| | |
|-----------------------------------|---|
| Connector & Contact Terminates To | Printed Circuit Board, Flexible Printed Circuit (FPC) |
| Connector & Housing Type | Receptacle |
| FFC Connector Product Type | Connector Assembly |
| Connector System | Wire-to-Board |
| Insertion Force Type | Zero Insertion Force (ZIF) |

Configuration Features

| | |
|-----------------------|----------|
| Number of Positions | 12 |
| Number of Rows | 1 |
| PCB Mount Orientation | Vertical |

Body Features

| | |
|-----------------------|-------|
| Primary Product Color | Black |
|-----------------------|-------|

Usage Conditions

| | |
|-----------------------------|-----------------------------|
| Operating Temperature Range | -55 – 105 °C [-67 – 221 °F] |
|-----------------------------|-----------------------------|

Other

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

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) |



Candidate List Declared Against: JUNE 2024 (241)
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



Also in the Series | ZIF LINE



Customers Also Bought



Documents

Product Drawings

12POS ZIF 100 CENTERLINE

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_84501-1_O.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_84501-1_O.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_84501-1_O.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.