

## FPC

TE Internal #: 487951-6

FPC Connectors, Flex-to-Board, 6 Position, .039 in [1 mm]

Centerline, Non-ZIF, Right Angle, Surface Mount, Stuffer (Plunger Style) Actuator

[View on TE.com >](#)

Connectors &gt; PCB Connectors &gt; Wire-to-Board Connectors &gt; FFC, FPC &amp; Ribbon Connectors &gt; FPC Connectors

Connector System: **Flex-to-Board**Number of Positions: **6**Centerline (Pitch): **1 mm [ .039 in ]**Insertion Force Type: **Non-ZIF**PCB Mount Orientation: **Right Angle**

## Features

### Product Type Features

PCB Connector Assembly Type	PCB Mount Receptacle
Connector Product Type	Connector Assembly
Connector System	Flex-to-Board
Insertion Force Type	Non-ZIF
FPC Actuator Type	Stuffer (Plunger Style)
Sealable	No
Connector & Contact Terminates To	Flexible Printed Circuit (FPC)

### Configuration Features

Number of Positions	6
PCB Mount Orientation	Right Angle

### Contact Features

Contact Mating Location	Top
Contact Mating Area Plating Material	Tin-Lead
Contact Current Rating (Max)	1 A

### Termination Features

Termination Method to Printed Circuit Board	Surface Mount
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### Mechanical Attachment

PCB Mount Alignment	Without
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PCB Mount Retention	Without
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Connector Mounting Type	Board Mount
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### Housing Features

Centerline (Pitch)	1 mm [.039 in]
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### Dimensions

Connector Height	2.56 mm [.101 in]
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Connector Width	5.4 mm [.213 in]
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### Usage Conditions

Operating Temperature Range	-40 – 85 °C [-40 – 185 °F]
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### Operation/Application

Circuit Application	Signal
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## Product Compliance

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

EU RoHS Directive 2011/65/EU	Not Compliant
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EU ELV Directive 2000/53/EC	Compliant with Exemptions
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China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224)
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Candidate List Declared Against: JUNE 2022 (224)

SVHC > Threshold:

Pb (13% in Component Part)

**Article Safe Usage Statements:**

Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Reflow solder capable to 260°C
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#### 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



## Documents

### Product Drawings

#### 006 1MM FPC TOP HORZ

English

### CAD Files

#### 3D PDF

English

#### Customer View Model

##### ENG\_CVM\_487951-6\_G.2d\_dxf.zip

English

#### Customer View Model

##### ENG\_CVM\_487951-6\_G.3d\_igs.zip

English

#### Customer View Model

##### ENG\_CVM\_487951-6\_G.3d\_stp.zip

English

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

### Datasheets & Catalog Pages

#### FPC Connector Family

English

### Product Specifications

#### Application Specification

English

### Product Environmental Compliance

#### TE Material Declaration

English

### Agency Approvals



[CSA Certificate](#)

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