

**1-84981-6**

✓ ACTIVE

**FPC**

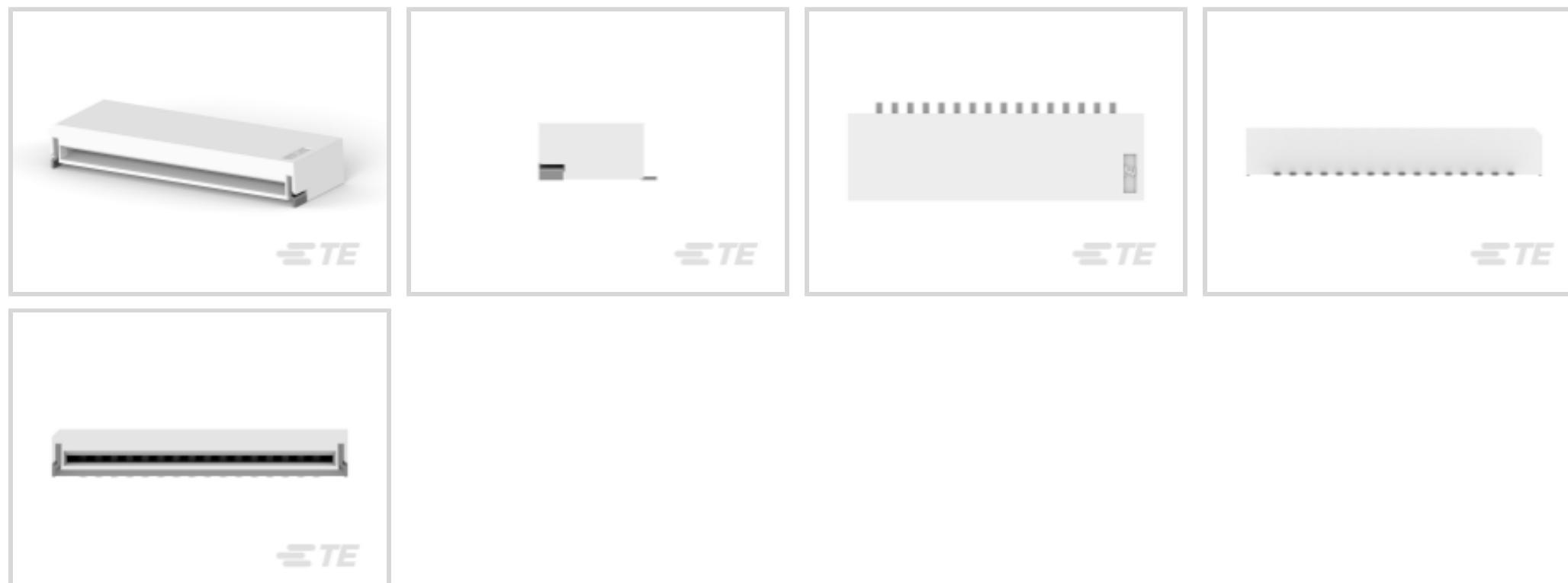
TE Internal #: 1-84981-6

FPC Connectors, Flex-to-Board, 16 Position, .039 in [1 mm]

Centerline, Non-ZIF, Right Angle, Surface Mount, Height .118 in [3 mm]

[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: **16**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
Connector & Contact Terminates To	Flexible Printed Circuit (FPC), Printed Circuit Board

**Configuration Features**

Compatible With Wire & Cable Type	FFC, FPC
Number of Rows	1
Number of Positions	16
PCB Mount Orientation	Right Angle

**Electrical Characteristics**

Operating Voltage	125 VAC
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**Body Features**

Primary Product Color

Natural

**Contact Features**

PCB Contact Termination Area Plating Material Thickness

1  $\mu\text{m}$ [39.37  $\mu\text{in}$ ]

Contact Layout

Inline

Contact Type

Socket

Contact Mating Area Plating Material Thickness

1  $\mu\text{m}$ [39.37  $\mu\text{in}$ ]

PCB Contact Termination Area Plating Material Finish

Matte

Contact Shape &amp; Form

Single Beam

Contact Mating Area Plating Material Finish

Matte

PCB Contact Termination Area Plating Material

Tin

Contact Base Material

Phosphor Bronze

Contact Mating Location

Top

Contact Mating Area Plating Material

Tin

Contact Current Rating (Max)

1 A

**Termination Features**

Termination Post &amp; Tail Length

.7 mm[.028 in]

Termination Method to Printed Circuit Board

Surface Mount

**Mechanical Attachment**

Mating Alignment

Without

Connector Mounting Type

Board Mount

PCB Mount Alignment

Without

PCB Mount Retention

With

**Housing Features**

Housing Material

Nylon

Centerline (Pitch)

1 mm[.039 in]

**Dimensions**

Connector Length

19 mm[.748 in]

Connector Height

3 mm[.118 in]

Connector Width

6.3 mm[.248 in]

Accepts Flex Cable Thickness

.3 mm[.012 in]

**Usage Conditions**

Operating Temperature Range

-20 - 85 °C[-4 - 185 °F]

## Operation/Application

Circuit Application	Signal
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## Identification Marking

Circuit Identification Feature	Without
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## Packaging Features

Packaging Quantity	1500
Packaging Method	Tape

## Product Compliance

For compliance documentation, visit the product page on [TE.com](http://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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Reflow solder capable to 245°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



## Customers Also Bought



## Documents

### Product Drawings

#### 1MM FFC SMT H ASSY 16P EMBOS

English

### CAD Files

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-84981-6\\_J.2d\\_dxf.zip](#)

English

### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-84981-6\\_J.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-84981-6\\_J.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

[1-1773959-7-FPC-Connectors-CN](#)

### FPC Connector Family

English

[5-1773461-0\\_Standard\\_FPC\\_Connector\\_Quick\\_Reference\\_Guide](#)

English

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### Product Specifications

#### Product Specification

English

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### Agency Approvals

#### UL Report

English