



TE Internal #: 2-2040832-1
FPC Connectors, Flex-to-Board, 51 Position, .25mm [.009in]
Centerline, Zero Insertion Force (ZIF), Right Angle, Surface Mount
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Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > FPC Connectors > 0.25mm FPC Connectors



Connector System: **Flex-to-Board**
Number of Positions: **51**
Centerline (Pitch): **.25 mm [.009 in]**
Insertion Force Type: **Zero Insertion Force (ZIF)**
PCB Mount Orientation: **Right Angle**

[All 0.25mm FPC Connectors \(4\)](#)

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Receptacle
Connector Product Type	Connector Assembly
Connector System	Flex-to-Board
Insertion Force Type	Zero Insertion Force (ZIF)
FPC Actuator Type	Rear Flip (Front Hinge)
Sealable	No
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	51
PCB Mount Orientation	Right Angle

Electrical Characteristics



Operating Voltage	50 VAC
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Body Features

FPC Connector Actuator Color	Black
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Contact Features

Contact Layout	Staggered
PCB Contact Termination Area Plating Material Thickness	.1 µm[3.937 µin]
Contact Type	Socket
Contact Mating Area Plating Material Thickness	.1 µm[3.937 µin]
Contact Shape & Form	Single Beam
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Gold
Contact Base Material	Copper Alloy
Contact Mating Location	Bottom
Contact Mating Area Plating Material	Gold
Contact Current Rating (Max)	.2 A

Termination Features

Termination Post & Tail Length	.6 mm[.024 in]
Termination Method to Printed Circuit Board	Surface Mount

Mechanical Attachment

Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	With
Connector Mounting Type	Board Mount

Housing Features

Housing Material	LCP (Liquid Crystal Polymer)
Housing Color	Natural
Centerline (Pitch)	.25 mm[.009 in]

Dimensions

Connector Length	14.5 mm[.57 in]
Connector Height	1.3 mm[.051 in]
Connector Width	3.2 mm[.126 in]
Accepts Flex Cable Thickness	.2 mm[.008 in]



Usage Conditions

Operating Temperature Range	-25 – 85 °C[-13 – 185 °F]
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Operation/Application

Circuit Application	Signal
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Identification Marking

Circuit Identification Feature	Without
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	3500
Packaging Method	Tape & Reel

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: JAN 2021 (211) Candidate List Declared Against: JAN 2019 (197) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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

TE Part # CAT-F839-C76264050
0.5mm FPC Connectors

Customers Also Bought

TE Part #1-2040832-4
0.25mm FPC Connectors

TE Part #1558667-1
PCB Power Relay: 30 amp, Monostable DC

TE Part #1676306-3
RN 0805 332R 0.1% 10PPM 5KRL

TE Part #9-1879350-9
RR01 5% 2K7 AMMO

TE Part #2-1879353-6
RR02 5% 47K AMMO

TE Part #1565357-5
ON TAPING(EMBOSS) 0.5MM PITCH

TE Part #1969589-4
HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5

TE Part #1-647689-2
3.96 EP HDR ASSY 12P(NATURAL)

TE Part #1744446-4
Hdr Assy, EP 2.5 RA, 4 Pos., GW

Documents

Product Drawings

EMBOSS TAPING 0.25FPC BF-L-1.3

English

CAD Files

3D PDF



3D

Customer View Model

[ENG_CVM_CVM_2-2040832-1_D_c-2-2040832-1-d.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-2040832-1_D_c-2-2040832-1-d.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-2040832-1_D_c-2-2040832-1-d.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[1-1773959-6-flexible-printed-circuit-con](#)

English

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

Product Specifications

[0.25FPC BF-L-1.3H \(Slant type\)](#)

Japanese

Product Specification

Japanese

Instruction Sheets

[0.25FPC BF-L-1.3H](#)

Japanese

Instruction Sheet (non U.S.)

Japanese