1-2040832-8 ✔ ACTIVE

TE Internal #: 1-2040832-8

.25 mm [.009 in] Centerline, Zero Insertion Force (ZIF), Right Angle, Surface Mount, Back Flip-Lock Actuator, Gold Flash, 45 Position, FPC Connectors

View on TE.com >

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







Centerline (Pitch): **.25 mm [.009 in]**

Insertion Force Type: **Zero Insertion Force (ZIF)**

PCB Mount Orientation: **Right Angle**

Contact Mating Location: **Bottom**

Termination Method to PCB: **Surface Mount**

Features

Product Type Features

Connector & Contact Terminates To	Flexible Printed Circuit (FPC), Printed Circuit Board
Connector Product Type	Connector Assembly
Connector System	Flex-to-Board
PCB Connector Type	PCB Mount Receptacle
Insertion Force Type	Zero Insertion Force (ZIF)
FPC Actuator Type	Back Flip-Lock

Configuration Features

Compatible With Wire & Cable Type	FFC, FPC
Number of Rows	1
PCB Mount Orientation	Right Angle
Number of Positions	45

Electrical Characteristics

Operating Voltage	50 VDC

Body Features

Primary Product Color	Natural
Actuator Color	Black

Contact Features

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

Termination Features

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

Mechanical Attachment

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

Housing Features

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

Dimensions

Accepts Flex Cable Thickness	.2 mm[.008 in]
Connector Width	3.2 mm[.126 in]
Connector Height	1.3 mm[.051 in]
Connector Length	13 mm[.511 in]

Usage Conditions

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

Operation/Application

Circuit Application	Signal

Identification Marking

Circuit Identification Feature	Without

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	3500
Packaging Method	Tape & Reel

Product Compliance

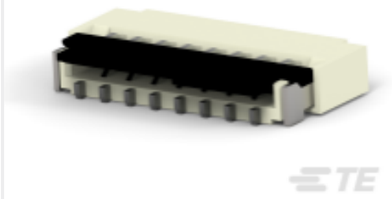
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) 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	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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 # 4-2328724-5
45PIN 0.3MMP FPC CONNECTOR, FRONT FLIP

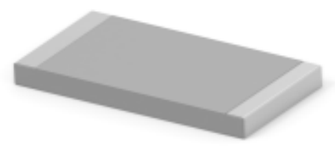
Customers Also Bought



TE Part #5-1437624-5
PKF50B1/8="KNOB PHENOLIC RND .



TE Part #6-1437624-1
PKG50B1/8=KNOB PLASTIC 1/8 LEX



TE Part #1-2176331-6
CRGP 2512 180R 1%

Documents

CAD Files

Customer View Model
ENG_CVM_CVM_1-2040832-8_E.3d_stp.zip
English

Customer View Model
ENG_CVM_CVM_1-2040832-8_E.2d_dxf.zip
English

Customer View Model
ENG_CVM_CVM_1-2040832-8_E.3d_igs.zip
English

3D PDF
3D

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

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

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