

.5 FPC VT ZIF Type-A 40 CONT ✓ ACTIVE

FPC

TE Part # 4-1734742-0

TE Internal #: 4-1734742-0

[View on TE.com >](#)



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



Connector System: **Flex-to-Board**

Number of Positions: **40**

Centerline (Pitch): **.5 mm [.0197 in]**

Insertion Force: **ZIF**

PCB Mount Orientation: **Vertical**

Features

Product Type Features

Series	FPC
Connector System	Flex-to-Board
Insertion Force	ZIF
Actuator Type	Stuffer
Sealable	No
Connector & Contact Terminates To	Flexible Printed Circuit (FPC)
Connector Type	Connector Assembly
Connector Style	Receptacle
Wire/Cable Type	FPC/FFC
Shielded	No

Configuration Features

Number of Rows	1
Number of Positions	40
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	50 VAC
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Contact Features

Contact Layout	Staggered Type A
Contact Termination Area Plating Material	Gold



Contact Mating Area Plating Material Thickness	.007 μm [30 μin]
Contact Base Material	Phosphor Bronze
Contact Mating Location	Bottom
Contact Mating Area Plating Material	Gold
Contact Current Rating (Max)	.5 A
Contact Design	Single Beam
Contact Termination Area Plating Thickness	.03 μm [120 μin]
Contact Type	Socket
Contact Transmits (Typical)	Signal (Data)

Termination Features

Termination Method to Printed Circuit Board	Surface Mount
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Mechanical Attachment

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

Housing Features

Housing Material	PA 9T GF
Housing Color	Black
Centerline (Pitch)	.5 mm[.0197 in]

Dimensions

Connector Length	25.7 mm[1.0118 in]
Connector Height	4.15 mm[.1633 in]
Connector Width	3.8 mm[.1496 in]
Flex Cable Thickness	.3 mm[.012 in]

Usage Conditions

Operating Temperature Range	-20 – 85 $^{\circ}\text{C}$ [-4 – 185 $^{\circ}\text{F}$]
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Operation/Application

Circuit Application	Signal
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Identification Marking

Circuit Identification Feature	Without
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Packaging Features



Packaging Quantity	1000
Packaging Method	Tape

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 2019 (197) Candidate List Declared Against: JAN 2019 (197)
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Reflow solder capable to 260°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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



Customers Also Bought

.5 FPC VT ZIF Type-A 40 CONT

TE Part # 4-1734742-0
TE Internal #: 4-1734742-0



TE Part #1734248-4
1.0 FPC, ZIF V/T, SMT, 4P



TE Part #1-2199119-5
M.2 0.5PITCH 3.2H KEY M
15U" AU



TE Part #2040002-1
MICRO USB, TYPE B



TE Part #2174507-2
MICRO USB, TYPE B



TE Part #1-292303-6
Std USB Type A, R/A,
SMT, Offset



TE Part #1676221-3
RN 0805 1K0 0.1% 10PPM
5KRL



TE Part #1-1734742-0
.5 FPC VT ZIF Type-A 10
CONT



TE Part #2-1734742-4
.5 FPC VT ZIF Type-A 24
CONT



TE Part #3-1879216-4
CPF0402 180K 0.1%
25PPM 1K RL

Documents

Product Drawings

[.5 FPC VT ZIF Type-A 40 CONT](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_4-1734742-0_O.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_4-1734742-0_O.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-1734742-0_O.3d_stp.zip](#)

English

Datasheets & Catalog Pages

[FPC Connector Family](#)



English

[Product Environmental Compliance](#)

[TE Material Declaration](#)

English