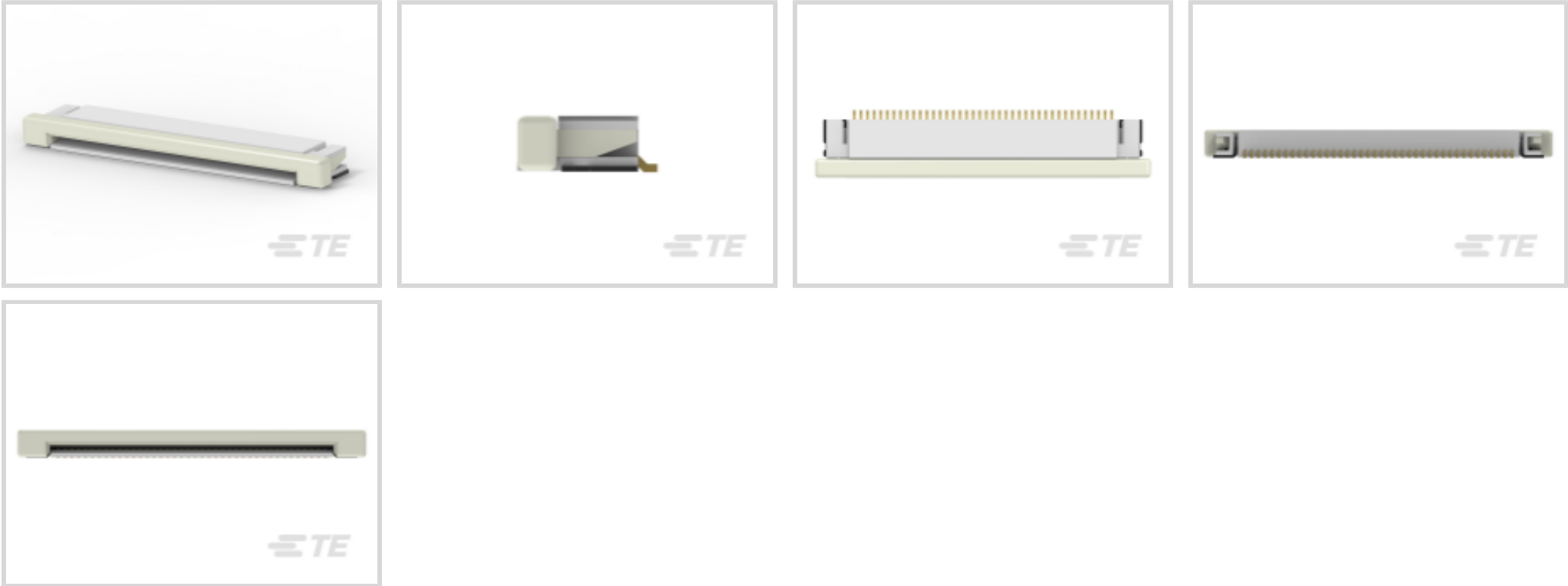




FPC

TE Internal #: 4-1734592-0  
FPC Connectors, Flex-to-Board, 40 Position, .5mm [.0197in]  
Centerline, Zero Insertion Force (ZIF), Right Angle, Surface Mount  
[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 Type: **Zero Insertion Force (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	Zero Insertion Force (ZIF)
FPC Actuator Type	Stuffer (Plunger Style)
Sealable	No
Connector & Contact Terminates To	Flexible Printed Circuit (FPC)

Configuration Features

Compatible With Wire & Cable Type	FFC, FPC
Number of Rows	1
Number of Positions	40
PCB Mount Orientation	Right Angle

Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Contact Layout	Inline
PCB Contact Termination Area Plating Material Thickness	.025 μm[100 μin]
Contact Type	Socket
Contact Mating Area Plating Material Thickness	.025 μm[100 μin]
Contact Shape & Form	Single Beam
PCB Contact Termination Area Plating Material	Gold
Contact Base Material	Phosphor Bronze
Contact Mating Location	Bottom
Contact Mating Area Plating Material	Gold
Contact Current Rating (Max)	.5 A

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	LCP (Liquid Crystal Polymer)
Housing Color	Natural
Centerline (Pitch)	.5 mm[.0197 in]

Dimensions

Connector Length	25.43 mm[1.0012 in]
Connector Height	2.05 mm[.08 in]
Connector Width	5.1 mm[.2 in]
Accepts Flex Cable Thickness	.3 mm[.012 in]

Usage Conditions

Operating Temperature Range	-40 – 85 °C, -40 – 85 °C[-40 – 185 °F][-40 – 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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Packaging Features

Packaging Quantity	2000
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 2020 (205) Candidate List Declared Against: JUL 2019 (201) Does not contain REACH SVHC
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JUL 2019 (201)
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 260°C

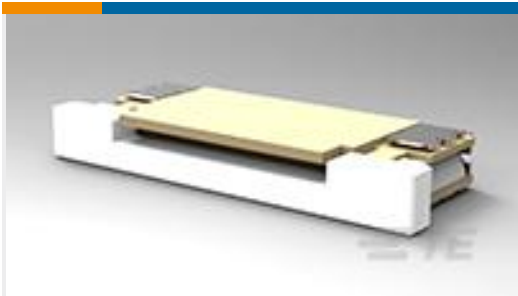
Product Compliance Disclaimer

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.

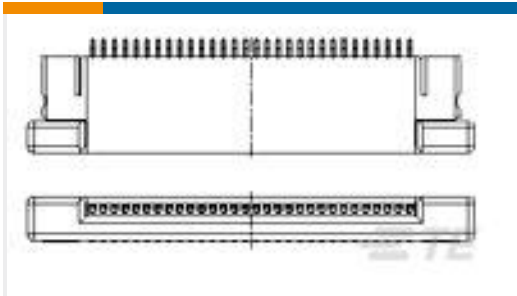
Compatible Parts



TE Model / Part # 4-1775333-0  
ZIF FPC 0.5, 2H, 40P



TE Model / Part # 4-1775635-0  
FPC CONN. 0.5MM PITCH B/C, 40P

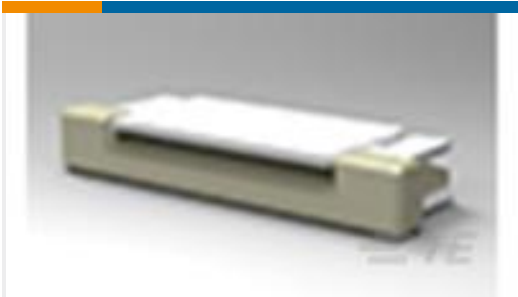


TE Model / Part # 4-1775628-0  
FPC CONN. 0.5MM PITCH B/C, 40P, SMT

## Customers Also Bought



TE Model / Part #1-1879417-9  
CPF 0603 1M0 0.1% 25PPM 1K RL



TE Model / Part #4-1734839-0  
FPC CONN. 0.5MM PITCH T/C,40P



TE Model / Part #1-1734592-0  
FPC CONN. 0.5MM PITCH B/C, 10P



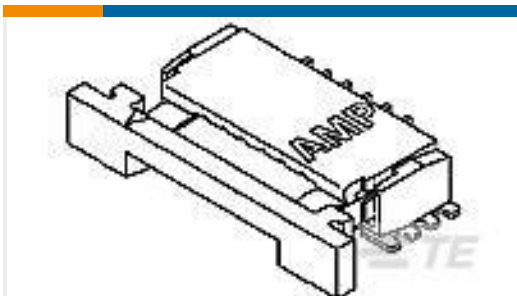
TE Model / Part #1981568-1  
MICRO USB, TYPE B,



TE Model / Part #2-1624117-0  
BMB-L 0805 1K



TE Model / Part #1-1825027-1  
FSMRA4JH04=R/A,TACT PB SW,160G



TE Model / Part #84952-4  
1MM FPC HORZ.BTTM CONT.ASS.4P



TE Model / Part #1734346-1  
STD USB TYPE B, R/A, SMT



TE Model / Part #1565917-4  
EMBOSS ASSY DDR2 SODIMM  
SOCKET 200P 5.2H

## Documents

### Product Drawings

FPC CONN. 0.5MM PITCH B/C, 40P

English

### CAD Files

Customer View Model

ENG\_CVM\_CVM\_4-1734592-0\_C\_c-4-1734592-0-c.3d\_stp.zip

English

3D PDF



3D

Customer View Model

[ENG\\_CVM\\_CVM\\_4-1734592-0\\_C\\_c-4-1734592-0-c.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_4-1734592-0\\_C\\_c-4-1734592-0-c.3d\\_igs.zip](#)

English

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

Datasheets & Catalog Pages

[Flexible Printed Circuit Connectors - FPC \(Virtual Sample Kit\)](#)

English

[FPC Connector Family](#)

English

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

English

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

Product Specifications

[Product Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English