

## INTRODUCTION



Molex's new 0.50mm (.020") pitch SMT FFC/FPC connector provides optimal space savings and the ability to source one connector to accommodate various FFC/FPC applications.

This new micro FFC/FPC connector is one of the first 0.50mm (.020") pitch micro versions in the marketplace today with a dual contact design. This feature eliminates the need to source a top and bottom type connector when routing FFC/FPC to parallel boards. This makes sourcing and PCB layout design simpler and quicker.

Other features of this new version include: BackFlip™ actuator that provides easy cable insertion and high upward pull force; actuator lever that offers optimum length for easy use and space savings; nickel barrier plating for protection against flux wicking; and halogen-free material to meet industry requirements.

### Specifications:

- Current: 0.5A
- Voltage: 50V
- Contact Resistance: 100 milliohms max.
- Withstanding Voltage: 200V AC
- Insulation Resistance: 50 Megohms min.
- Durability: 10 cycles
- Temperature: -40 to +85°C

## 0.50mm (.020") Pitch FFC/FPC Connector Dual Contact, Right Angle SMT, BackFlip™ Actuator 1.00mm (.039") Height

Series **503480**

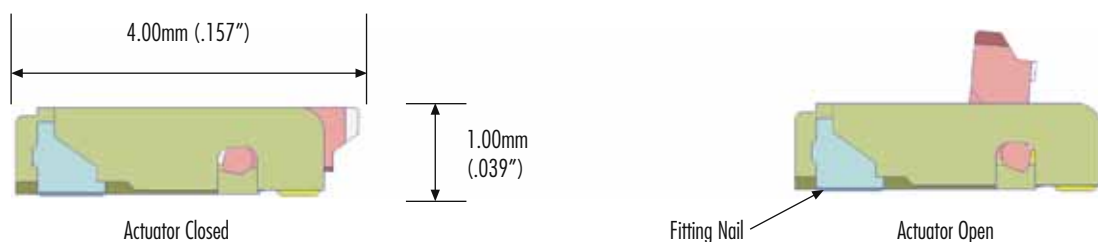


### Features

### Benefits

- |                                     |   |
|-------------------------------------|---|
| • Dual contact terminal design      | • Eliminates the need to source two styles of FFC/FPC connectors        |
| • Low profile and short width       | • Space savings   |
| • BackFlip™ actuator design         | • Easy cable insertion and high upward pull force                       |
| • Optimal length actuator           | • Space savings and easy opening  |
| • Nickel barrier plating            | • Protection against flux wicking                                       |
| • Uses 0.30mm (.012") thick FFC/FPC | • More stable performance and lower price than 0.20mm (.008") thick FPC |

## DIMENSIONAL OVERVIEW



## MARKETS AND APPLICATIONS

- Digital still cameras
- Digital video cameras
- Portable audio players
- Mobile phones
- Portable games
- Personal navigators



**ORDERING INFORMATION**

**0.50mm (.020") Pitch  
FFC/FPC Connector  
Dual Contact, Right Angle  
SMT, BackFlip™ Actuator  
1.00mm (.039") Height**

**Series 503480**

Order No.	Circuits	Height	Width
503480-0400	4	1.00mm (.039")	4.00mm (.157")
503480-0600	6		
503480-0800	8		
503480-1000	10		
503480-1200	12		
503480-1400	14		
503480-1600	16		
503480-1700	17		
503480-1800	18		
503480-2000	20		
503480-2200	22		
503480-3200	32		

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