

## INTRODUCTION

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

This new micro 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 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.

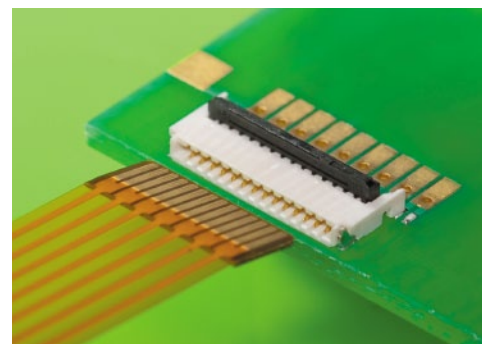
### Specifications:

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



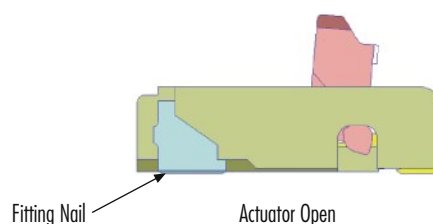
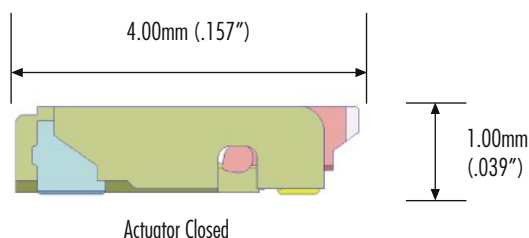
## 0.50mm (.020") Pitch FPC Connector Dual Contact, Right Angle SMT, BackFlip™ Actuator 1.00mm (.039") Height

Series **503480**



Features	Benefits
• Dual contact terminal design	• Eliminates the need to source two styles of 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 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  
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		
503480-2000	20		

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