

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

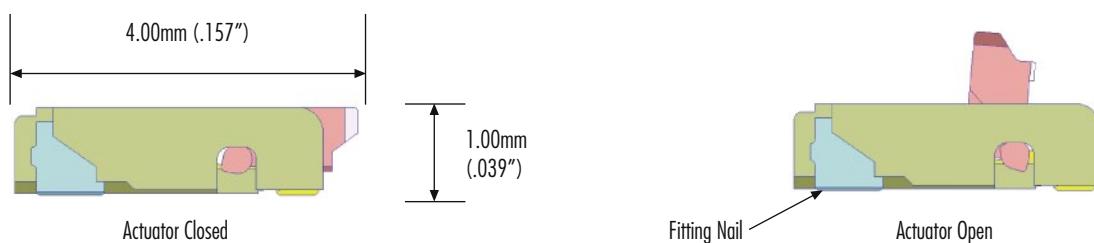
**0.50mm (.020") Pitch
FPC Connector
Dual Contact, Right Angle
SMT, BackFlip™ Actuator
1.00mm (.039") Height**

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		
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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