

INTRODUCTION



0.30mm (.012") Pitch FPC Connector

Molex's latest 0.30mm pitch low-profile FPC connector includes a dual-contact terminal design that provides the flexibility of a top or bottom contact option in one connector.

This feature provides customers a quick design-in solution to accommodate changing end-equipment needs for top or bottom contact styles. It also features a unique FPC lock that sits into a notch in the cable and provides positioning and retention assurance, while holding the FPC in place during actuation.

This new version is available in 17-41 circuits and comes in embossed tape packaging for easy pick-and-place assembly.

Specifications:

- Durability: 10 cycles
- Voltage: 50V
- Current: 0.2A
- Operating Temperature: -25 to +85°C
- Contact Resistance: 80 milliohms max.
- Insulation Resistance: 50 Megohms min.
- Dielectric Strength: 250V AC
- Flammability: UL 94V-0

Series 502250 ZIF, Dual Contact, BackFlip™ 0.90mm (.035") Height



Features

- Dual-contact terminal design

- FPC locking feature

- BackFlip™ actuator design

- Compact design and low height

- Nickel barrier plating

Benefits

- Accommodates both top and bottom cable insertion

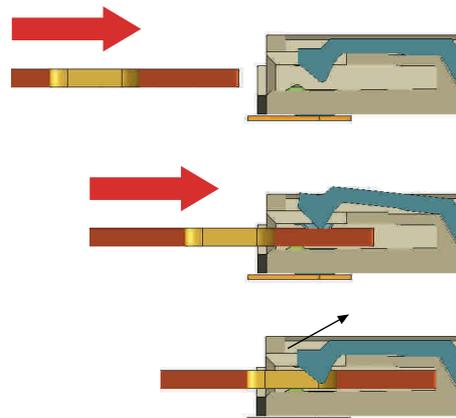
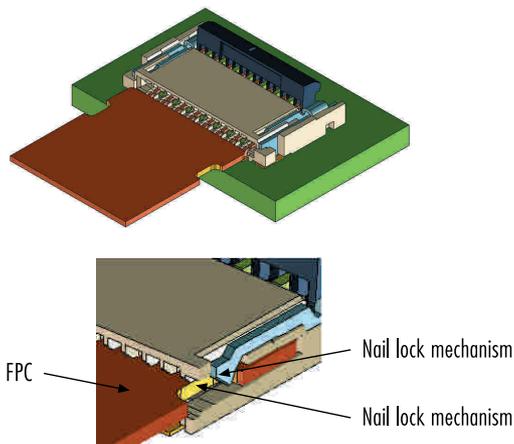
- Provides cable seating and retention assurance, and holds FPC in place during actuation

- Easy assembly and high upward pull force

- Space savings

- Provides protection against flux wicking

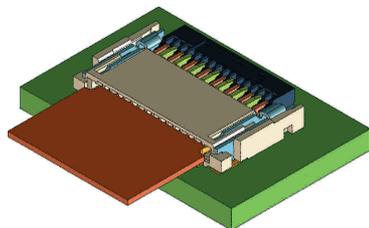
FPC LOCKING FEATURE



MARKETS AND APPLICATIONS

- Mobile phone
- PDA
- Other compact, mobile devices



ORDERING INFORMATION
**0.30mm (.012") Pitch
FPC Connector**
**Series 502250
ZIF, Dual Contact,
BackFlip™
0.90mm (.035") Height**


Order No.	Circuits	Height	Width
502250-1791	17	0.90mm (.035")	4.19mm (.165")
502250-2191	21		
502250-2391	23		
502250-2791	27		
502250-3391	33		
502250-3591	35		
502250-3991	39		
502250-4191	41		

Note: FPC cable should have gold contacts

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