

# Easy-On FFC/FPC Connectors, BackFlip 0.50mm Pitch, FBH1 Series

Product 503480

**molex**

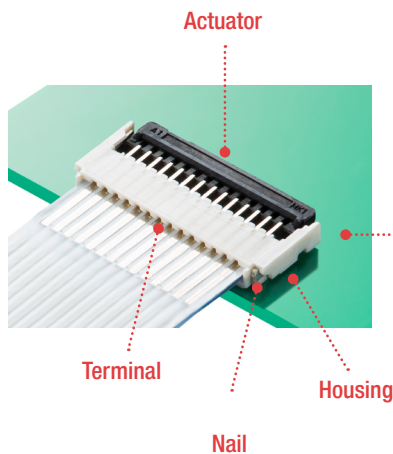
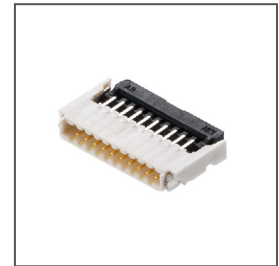
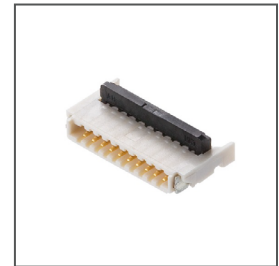
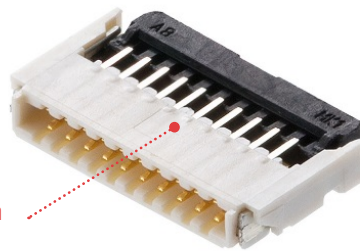
The Easy-On FFC/FPC Connectors, 0.50mm Pitch, FBH1 Series, BackFlip feature dual contact and backflip actuator with multiple circuit sizes in a low-profile design, offering design flexibility, contact reliability, space savings and user-friendly. Ideal for tight packaging applications in consumer or commercial market

## Features and Advantages

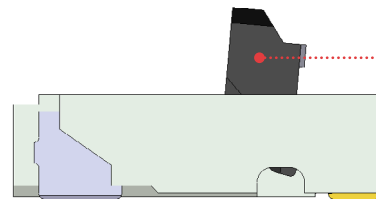
### Back Flip actuator

Eases cable insertion and allows for a high upward pull force

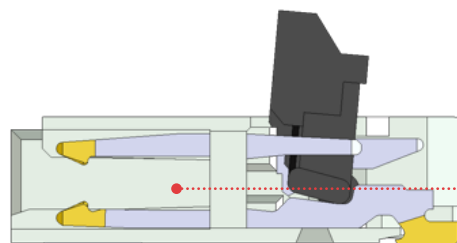
**Low profile height of 1.00mm and width of 4.00mm**  
Offers space savings



**Low profile**  
Low height of 1.00mm and narrow width of 4.00mm saves PCB space



**Actuator rotation**  
Rotates 94° for easy operation and cable access



**Dual contact terminal**  
Delivers secure connectivity

## Applications

### Consumer

- POS terminals
- Game machines
- Digital still cameras
- Digital video cameras
- Car navigation systems
- Drones
- Consumer displays



POS



Drone



Game Machine



Car Navigation

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## Specifications

### REFERENCE INFORMATION

Packaging: Embossed Tape and reel  
Use With: FFC/FPC  
Designed In: Millimeters  
RoHS: Yes  
Halogen Free: Low-Halogen

### ELECTRICAL

Voltage (max.): 50V  
Current (max.): 0.5A per circuit  
Contact Resistance (max.): 100 milliohms  
Dielectric Withstanding Voltage: 200V AC  
Insulation Resistance (min.): 50 Megaohms

### PHYSICAL

Housing: LCP, UL 94V-0, Natural  
Actuator: PA, UL 94V-0, Black  
Contact: Copper Alloy  
Plating:  
Contact Area — Gold  
Solder Tail Area — Gold  
Underplating — Tin  
Operating Temperature: -40 to +85°C

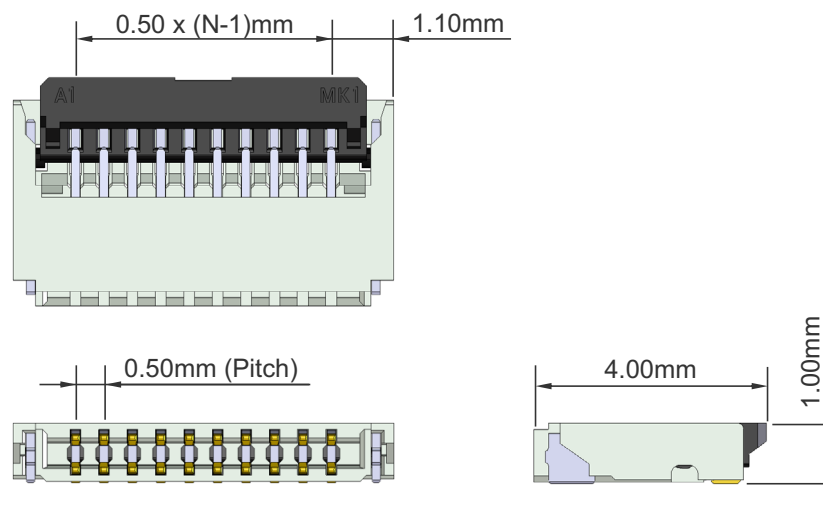
### MECHANICAL

FFC/FPC Thickness: 0.30mm  
Durability (max.): 10 cycles

## Dimensions

Refer to molex.com for detail dimension

N = Circuit size



## Ordering Information

Series No.	Pitch	Contact Position	Orientation	Circuits	Operating Temperature	Plating
503480-**00	0.50mm	Bottom	Right Angle	8-40	-40 to +85°C	Gold
503480-**40	0.50mm	Bottom	Right Angle	4, 5, 6	-40 to +85°C	Gold

Replace \*\* with circuit size

[www.molex.com/link/easyon.html](http://www.molex.com/link/easyon.html)

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