

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

molex

Product 503480

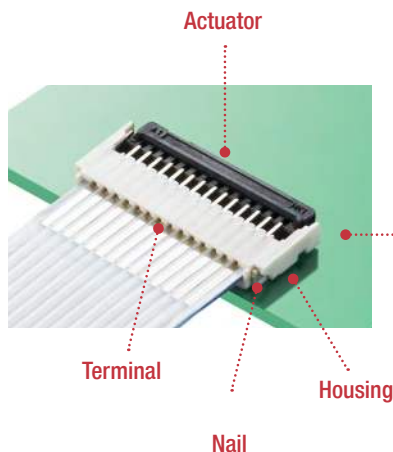
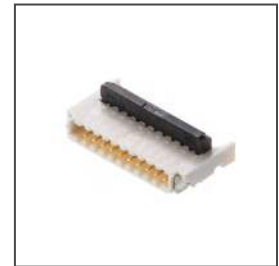
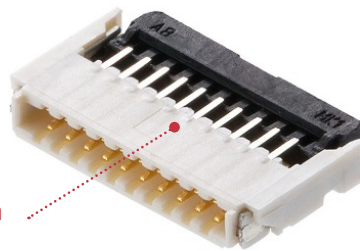
The Easy-On FFC/FPC Connectors, 0.50mm Pitch, FBH1 Series, BackFlip feature dual contact and backflip actuator with multiple circuit sizes in a low-profile design, offering design flexibility, contact reliability, space savings and user-friendly. Ideal for tight packaging applications in consumer or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

Features and Advantages

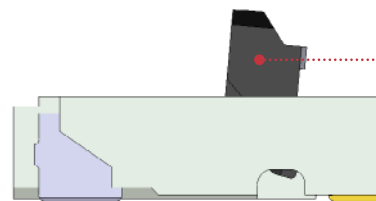
Back Flip actuator

Eases cable insertion and allows for a high upward pull force

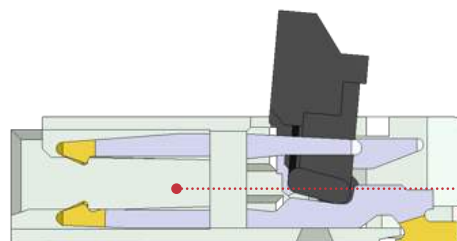
Low profile height of 1.00mm and width of 4.00mm
Offers space savings



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, UL94 HB Black
Contact: Copper Alloy
Plating:
Contact Area — Gold
Solder Tail Area — Gold
Underplating — Tin
Operating Temperature: -40 to +85°C

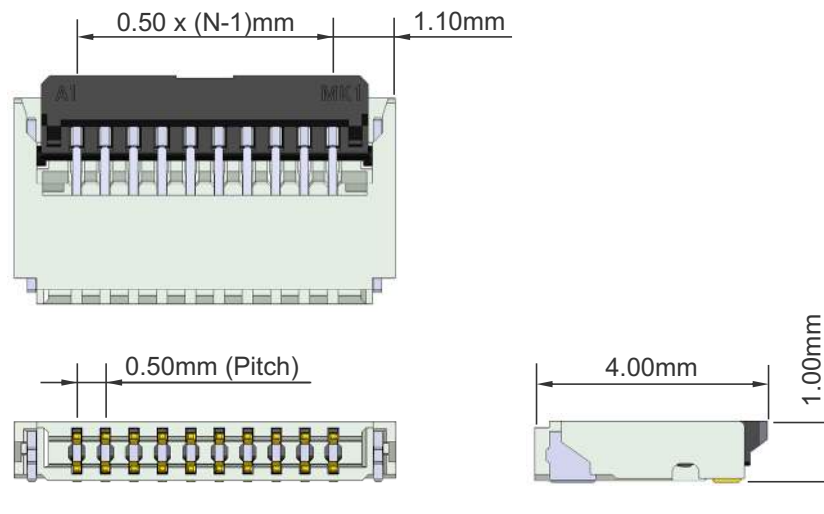
MECHANICAL

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

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