

Easy-On FFC/FPC FlexiSnap-15 Connectors >

By delivering a one-action FFC/FPC connector with one-touch cable insertion within a low 1.50mm height, Easy-On FFC/FPC FlexiSnap-15 connectors simplify cable insertion, enhance locking reliability, support automation and save space. These connectors help customers overcome common assembly challenges—improving both efficiency and cost-effectiveness compared to traditional front/back-flip connectors.

ADVANTAGES AND FEATURES

Provides increased space savings and enables more compact and efficient layouts

The low-height design of the connectors with one-touch function reduces the vertical profile of the connector, minimizing the overall space it occupies on the PCB or inside the device. This simplifies and speeds up the mating process without requiring extra mechanical components.

Provides a lower-cost solution, and streamlines procurement and inventory management

The 0.50mm-pitch cables are standard, widely manufactured and simpler in design compared to the more complex fine-pitch 0.30mm zigzag-cable fingers.

Improves the assembly process, reduces labor time and complexity

The one-touch locking feature uses an innovative locking nail design that allows quick and easy single-step insertion of the FFC/FPC cable without the need to open and close actuators.

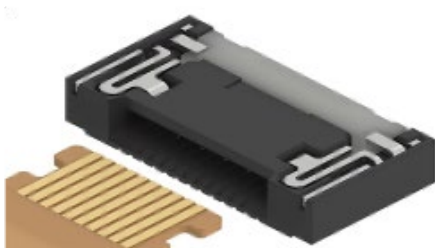
Height	1.50mm
Pitch	0.50mm
Number of Circuits	5, 10, 20, 30 and 40
Mates With	FFC/FPC Cable
Current	0.5A
Operating Temperatures	-40 to +85°C

Enables seamless integration into automated assembly lines to improve consistency

The connectors have a large cable insertion mouth at the front, enabling easy and precise cable placement by automation robots that afford lower error rates and higher cost savings due to their increased efficiency and need for fewer reworks during production.

Provides secure mechanical cable retention without requiring additional locking operations

The locking nails provide a secure mechanical retention that ensures stable and reliable cable mating without requiring additional locking operations.



Large cable insertion port simplifying mating and unmating.



A pair of locking nails—one on each side, left and right—that securely hook the FFC/FPC cables.



Locked position with secure mating and cable retention assuring lower fallout rate.

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MARKETS AND APPLICATIONS

Appliances

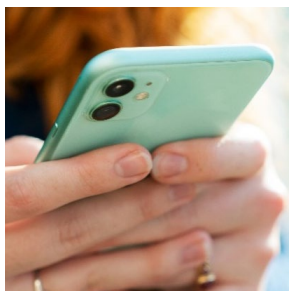
Gaming consoles
Smart appliances
Speakers
TVs

Mobile Devices

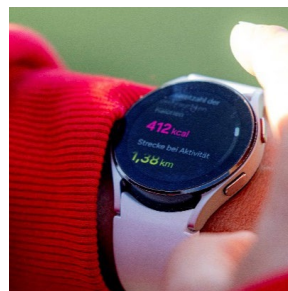
Laptop PCs
Mobile gaming devices
Point-of-sale terminals
Smartphones
Tablet PCs

Wearables

VR/AR devices
Wearable glasses
Wearable watches



Smartphones



Wearable Watches



Gaming Consoles

SPECIFICATIONS

Reference Information

Packaging: Embossed
Mates with: FFC/FPC
Designed in: Millimeters
RoHS: Yes
Halogen Free: Yes

Electrical

Voltage (max.): 50V [AC(RMS)/DC]
Current (max.): 0.5A/pin [AC(RMS)/DC]
Contact Resistance (max.): 50 milliohms
Dielectric Withstanding Voltage: 250V
Insulation Resistance (min.): 100 Megohms

Mechanical

Durability (min.): 20 cycles
Pitch: 0.50mm
Height: 1.50mm
Width: 5.50mm
Length: Total pitch + 6.20mm

Physical

Housing: LCP
Button: LCP
Contact: Copper alloy
Plating:
Contact area—gold
Solder tail area—gold
Underplating—nickel
FFC/FPC Thickness: 0.30 ± 0.05mm
Operating Temperatures: -40 to +85°C