Easy-on FFC/FPC Connector, 0.50mm Pitch, FBH2 Series

The Easy-On FFC/FPC Connector, 0.50mm Pitch, FBH2 Series offers a rugged, reliable low-profile design with user-friendly features, making it ideal for consumer or commercial high-vibration applications of any design layout.

Features and Advantages

- **Guide-lock**
  Ensures actuator is closed in high-vibration conditions

- **Ear-lock**
  Offers easy FFC positioning and prevents FFC rotation

- **FFC entrance guide**
  Provides secure contact retention

- **Bottom dual-contact terminal**
  Offers secure contact and terminal retention

- **1st lock**

- **2nd lock**

- **Low-profile design**
  Provides low-profile height (2.00mm) and short width (4.00mm), saving PCB space

Markets and Applications

**Automotive**
- Car navigation
- Instrument panels
- Car infotainment

**Consumer**
- Point of sale (POS)
- Game machines
- VR/AR
- Drones
- Personal care equipment

Game Machine

Personal Care

Car Navigation

Drone
Easy-on FFC/FPC Connector, 0.50mm Pitch, FBH2 Series

Specifications

**REFERENCE INFORMATION**
- Packaging: Embossed tape
- Designed In: Millimeters
- RoHS: Yes
- Halogen Free: Yes

**ELECTRICAL**
- Voltage (max.): 50V
- Current (max.): 0.5A
- Contact Resistance (max.): 40 milliohms
- Dielectric Withstanding Voltage: 200V AC
- Insulation Resistance (min.): 50 Megohms

**MECHANICAL**
- FFC Retention Force (max.): 2.5N
- Durability (min.): 20 cycles

**PHYSICAL**
- Housing: Glass-filled LCP, Natural
- Actuator: Glass-filled PA, Black
- Contact: Phosphor Bronze
- Plating: Gold over Nickel
- Contact Area: Separated Gold
- Solder Tail Area: Gold
- Underplating — Separated Tin
- Operating Temperature: -40 to +105°C

Ordering Information

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