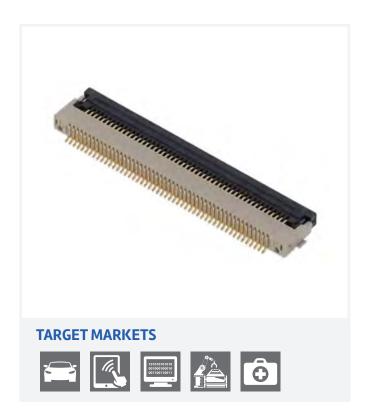
VHC Series

0.5MM PITCH ZIF RIGHT ANGLE FFC-FPC CONNECTOR

FFC-FPC connectors with Zero Insertion Force (ZIF), which allows for easy cable insertion. VHC offers front sides flip actuator with bottom contact type. These connectors feature a height of 2.00mm and are offered in 50 and 60 contacts. The robust design with front side flip makes cable handling easy and error-free even with high pin counts. In addition, VHC offers a cable lock option to prevent unintentional cable release. VHC series connectors have a proven track record in automotive, data, industrial, telecommunications, consumer and medical application equipment.

- Front side flip type actuator makes cable application easy and error free
- High pin count and robust design
- Ensures high solderability and high durability



FEATURES

- ZIF (Zero Insertion Force) mechanism with a robust front side flip actuator with an audible click
- Optional cable lock for extra cable retention
- Design against solder and flux wicking
- High-temperature, dimensional stable thermoplastic housing
- Lead and halogen-free

BENEFITS

- Easy to operate, highly reliable and the audible click ensures correct mating
- Prevents unintentional cable release
- Ensures high solderability
- Covers general operating temperature range of -55°C to +105°C
- Meet environmental, healthy and safety requirement



TECHNICAL INFORMATION

MATERIAL

■ Housing: LCP, natural color (UL94V-0)

Actuator: PPS, black color (UL94V-0)

• Contact: Copper alloy

• Tab: Copper alloy

MECHANICAL PERFORMANCE

• FFC/FPC Retention Force: 0.25N/contact min.

• Durability: 20 mating cycles

ELECTRICAL PERFORMANCE

• Voltage Rating: 50V A.C./D.C.

Current Rating: 0.5A A.C./D.C.

Contact Resistance: 50mΩ max.(Initial value)

• Insulation Resistance: 500M Ω min.

 Dielectric Withstanding Voltage: No short or breakdown after 250V A.C., 2mA, 1min.

ENVIRONMENTAL

■ Operating Temperature Range: -55°C to +105°C

APPROVALS & CERTIFICATION

RoHS compliant

PACKAGING

■ Tape & Reel

SPECIFICATIONS

• Orientation: Right angle

• Cable Termination: ZIF

■ Cable Type: FFC/FPC

• Board Termination: Surface mount

Contact Location: Bottom

• Height: 2.0mm

· Lead-free with gold plating

• Accommodated cable thickness: 0.3mm

• Halogen-free option

TARGET MARKETS/APPLICATIONS



Car Multimedia Car Navigation Dashboard Lighting



Gaming LCD & OLED Displays



Base Station Switches Controllers Storage



Controllers HMI Vending Machines PLC Drives

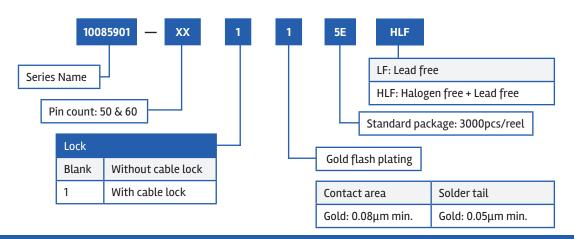


Ultrasonic Patient Monitor MRI

CT

Infusion Pump Hospital Bed

PART NUMBER SELECTOR



BASICSVHC0322EA4