

VLL Series

0.5 MM PITCH ZIF RIGHT ANGLE FFC–FPC CONNECTOR

ZIF flex connectors with back side flip actuator, bottom contact type. This connector features 8–30 bottom contacts at a 1.20 mm connector height with a large flip on the back. VLL series connectors have a proven track record in automotive, data, industrial, telecommunications, consumer and medical application equipment.

- Large flip ensures easy operation and reliable connection
- Innovative housing design provides visual confirmation of correct cable positioning
- Optional cable lock to ensure high cable retention



TARGET MARKETS



FEATURES

- ZIF (Zero Insertion Force) mechanism
- Innovative housing design provides easy operation and visual confirmation
- Design against solder and flux wicking
- High-temperature, dimensional stable thermoplastic housing
- Lead and halogen-free

BENEFITS

- Stress free mating provides high number of mating cycles
 - When you open the Flip, you can see the slot through the terminal, so you can visually check the correct position of the FFC/FPC.
 - Ensures high solderability
 - Covers general operating temperature range of -55 °C to +150 °C
- Tested Cable:
- FFC 125 degree-C MAX: BAN-CARD, BANDO Electronic
 - FPC 150 degree-C MAX: SUMITOMO Electric
 - Meet environmental, healthy and safety requirement

TECHNICAL INFORMATION

MATERIAL

- Housing: 9TPA, white color (UL 94 V-0): LF
LCP, black color (UL 94 V-0): HLF
- Contact: Copper Alloy
- Tab: Copper Alloy

MECHANICAL PERFORMANCE

- FFC/FPC Retention Force: 0.35 N/contact min.
- Durability: 20 mating cycles

ELECTRICAL PERFORMANCE

- Voltage Rating: 50 V AC/DC
- Current Rating: 0.5 A AC/DC
- Contact Resistance: 30 mΩ max.(initial value)
- Insulation Resistance: 100 MΩ min.
- Dielectric Withstanding Voltage: No short or breakdown after 200 V AC, 2 mA, 1 min.

ENVIRONMENTAL

- Operating Temperature Range: -55 °C to + 150 °C

APPROVALS & CERTIFICATION

- UL file number E66906
- RoHS-compliant

PACKAGING

- Tape & Reel

SPECIFICATIONS

- Orientation: Right angle
- Cable Termination: ZIF
- Cable type: FFC/FPC
- Board Termination: Surface mount
- Contact location: Bottom
- Height: 1.2 mm
- Lead-free with gold plating
- Halogen-free option
- Accommodated cable thickness: 0.3 mm

TARGET MARKETS/APPLICATIONS



Car Multimedia
Car Navigation
Dashboard
Lighting



Gaming
LCD & OLED Displays



Base Station
Switches
Controllers
Storage

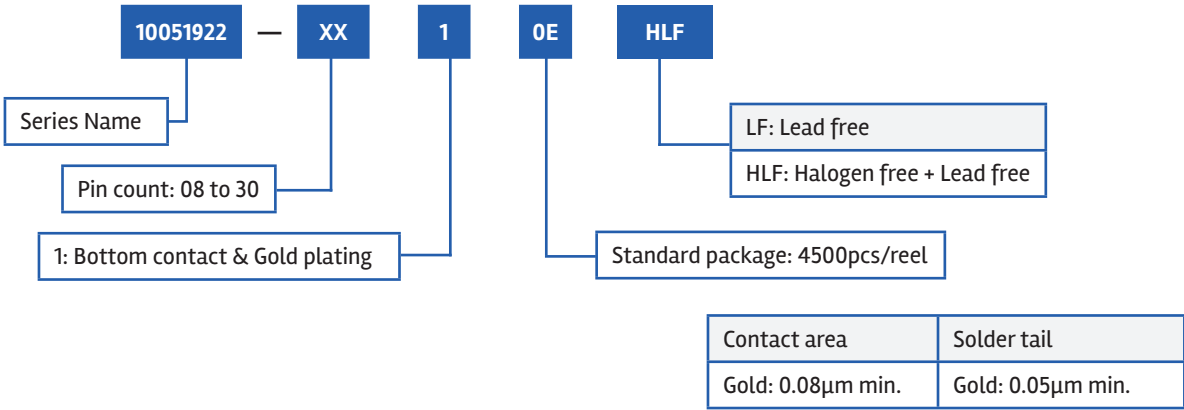


Controllers
HMI
Vending Machines
PLC
Drives



Ultrasonic
Patient Monitor
MRI
CT
Infusion Pump
Hospital Bed

PART NUMBER SELECTOR



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