HFW-R Series

1.00MM NON-ZIF RIGHT ANGLE FFC-FPC CONNECTOR

Non-ZIF FFC-FPC Connector series with top and bottom contact type. These surface mount connectors feature a height of 1.90mm and are offered in 4 to 30 contacts. HFW series connectors have a proven track record in automotive, data, industrial, telecommunications, consumer, and medical application equipment.

- Easy to operate and strong FFC/FPC retention makes it vibration-proof
- Ensures high solderability and high durability
- Operating temperature range of -55°C to +105°C



FEATURES

- Non-ZIF (Zero Insertion Force) mechanism
- Design against solder and flux wicking
- High-temperature, dimensional stable thermoplastic housing
- 4 to 30 positions available
- Lead and halogen-free

BENEFITS

- Achieves simple operation and stable contact with FFC/FPC
- Ensures high solderability
- Covers general operating temperature range of -55°C to +105°C
- Supports many applications as a general-purpose product
- Meet environmental, healthy and safety requirement



TECHNICAL INFORMATION

MATERIAL

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

• Contact: Phosphor bronze

■ Tab: Brass

MECHANICAL PERFORMANCE

• FFC/FPC Insertion Force: 1.7N/contact max.

■ FFC/FPC Retention Force: 0.49N/contact min. (Tin)

• Durability: 10 mating cycles

ELECTRICAL PERFORMANCE

• Voltage Rating: 100V A.C./D.C.

• Current Rating: 1.0A A.C./D.C.

Contact Resistance: 30mΩ max.(Initial value)

• Insulation Resistance: 500M Ω min.

 Dielectric Withstanding Voltage: No short or breakdown after 500V A.C., 1mA, 1min.

ENVIRONMENTAL

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

APPROVALS & CERTIFICATION

RoHS compliant

PACKAGING

■ Tape & Reel

SPECIFICATIONS

Orientation: Right Angle

• Cable Termination: Non-ZIF

• Cable type: FFC/ FPC/ CIC

• Board Termination: Surface mount

• Contact location: Top & Bottom option

■ Height: 1.9mm

Lead free tin plating

TARGET MARKETS/APPLICATIONS



Car Multimedia Car Navigation Dashboard Lighting



Gaming LCD & OLED Displays



Base Station Switche Controllers Storage



Controllers HMI Vending Machines

PLC Drives



Ultrasonic Patient Monitor MRI

CT

Infusion Pump Hospital Bed

PART NUMBER SELECTOR

