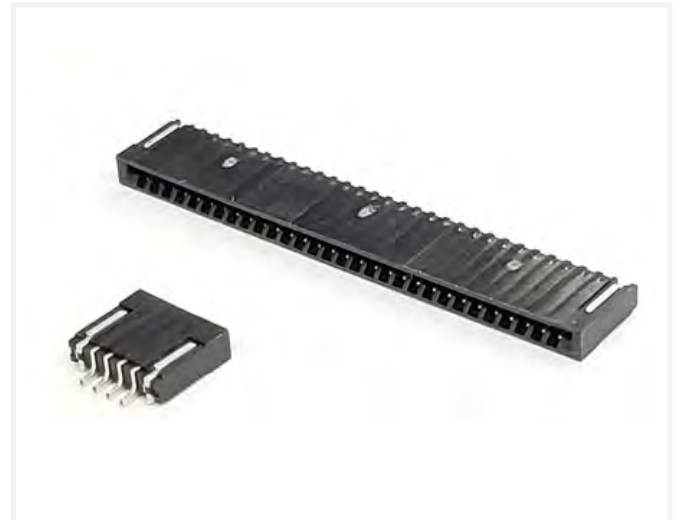# HFW-R Series

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

TARGET MARKETS

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: 500MΩ 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

| HFW | — | XX | R- | 1 | ST | A | E1 | H1LF |

Series Name

Pin count: 4 to 30

R: Right angle type

Halogen Free + Lead free

E1: standard package: 2000pcs/reel

Variation	
1	Bottom contact for FFC/FPC
2	Top contact for FFC/FPC

ST: SMT termination

Terminal Plating	Contact area	Solder tail
Blank	Matte Tin: 2µm min.	Matte Tin: 1µm min.
A	Gold: 0.3µm min.	Gold: 0.05µm min.