

# 1.00mm Pitch FFC/FPC HRS- F52L/HRS-F52M Series

## VERTICAL NON ZIF FLEX CONNECTORS

HRS-F52L/HRS-F52M series 1.00mm are connectors pitch vertical Non-ZIF flex mount termination with surface and no locking mechanism. F52L and F52M are vertical A-Type and B-Type respectively. These connectors feature a height of 5.04mm and comes in 4 to 30 contacts. This series features a cable thickness of 0.30mm and provides enhanced durability of 30 mating cycles. The connectors a robust design and prevent with come solder and flux wicking. These are ideal for automotive, data, industrial, communication,

communication, consumer and medical applications.

- Single action lonsumer and medical applicatiw-forc ons.e FFC/FPC insertion and removal
- Ensures high solderability and durability
- Wide operating temperature range of -40°C to +105°C

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### FEATURES

- Non-ZIF (Zero Insertion Force) mechanism requires some force for insertion
- No locking mechanism
- Design against solder and flux wicking
- High-temperature thermoplastic housing
- 4 to 30 positions available
- Lead and halogen-free

### **BENEFITS**

- Single action low-force FFC/FPC insertion and removal
- Ensures high solderability
- Wide operating temperature range of -40°C to +105°C
- Comprehensive range to satisfy different customer requirements
- Meets environmental, health and safety requirements

# **TECHNICAL INFORMATION**

### **MATERIAL**

- Housing: LCP, natural color (UL94V-0)
- Contact: Phosphor bronze, T=0.20mm
- Mylar: T=0.10mm, thermostable, yellow color

### **MECHANICAL PERFORMANCE**

- FFC/FPC Retention Force: 40gf/pin min.
- FFC/FPC Insertion Force: 3,000gf max.
- Terminal Retention Force: 200gf/terminal min.
- Durability: 30 mating cycles

### **ELECTRICAL PERFORMANCE**

- Voltage Rating: 50V AC/DC
- Current Rating: 0.5A
- Contact Resistance: 30MΩ max.
- Insulation Resistance: 500MΩ min.
- Dielectric Withstanding Voltage: No short or breakdown after 500V AC, 2mA, 1min.

### PACKAGING

Tape & Reel

### APPROVALS AND CERTIFICATIONS

- UL file number E41797
- RoHS compliant

### **SPECIFICATION**

Product Specification: IS.EQC.050

### **ENVIRONMENTAL**

Operating Temperature Range: -40°C to +105°C

### **TARGET MARKETS/APPLICATIONS**



Car Multimedia **Car Navigation** Dashboard PND



Power Switches



Notebook **Tablets** Wearables Gaming DSC

LCD & PDP TV

Router Server ODD HDD

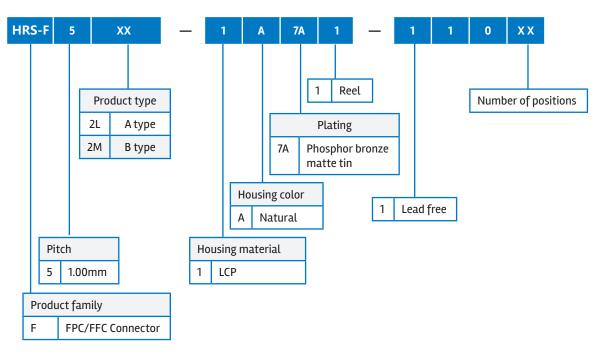


Sensing element Monitoring camera Human Machine Interface Industrial PC Robotics



Ultrasonic Patient Monitor MRI CT Infusion Pump

# PART NUMBER SELECTOR



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