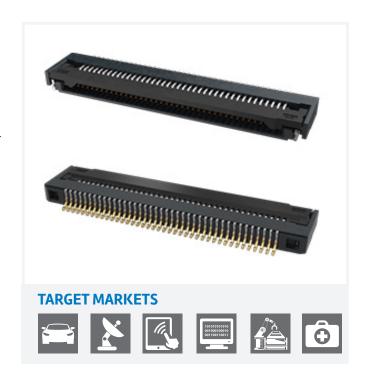


0.50mm Pitch FFC/FPC HRS-F300/HRS-F301 Series

RIGHT ANGLE ZIF FLEX CONNECTOR

HRS-F300/HRS-F301 series 0.50mm are vertical ZIF flex connectors with front flip locking mechanism, double contacts and surface mount termination. These connectors feature a height of 2.00mm and are offered in 10 to 60 contacts. These series feature a cable thickness of 0.30mm and provide enhanced durability of 30 mating cycles. The connectors come with a robust design and prevent solder and flux wicking. These are ideal for communication, automotive, data, industrial, consumer and medical applications.

- Easy to operate and strong FFC/FPC retention makes it vibration-proof
- Double contact points provide enhanced contact stability
- Ensures high solderability and high durability
- Wide operating temperature range of -40°C to +105°C



FEATURES

- ZIF (Zero Insertion Force) mechanism
- Front flip locking function
- Double contact points
- Design against solder and flux wicking
- High-temperature thermoplastic housing
- 10 to 60 positions available
- Lead and halogen-free

BENEFITS

- Absence of frictional mating wear resulting in high mating cycle life
- Easy to operate and strong FFC/FPC retention makes it vibration-proof
- Ensures enhanced contact stability
- 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)

Actuator: PA9T, black color (UL94V-0)

• Contact: Phosphor bronze, T=0.15mm

• Stator: Brass, T=0.15mm

MECHANICAL PERFORMANCE

• FFC/FPC Retention Force: 30gf/pin

Terminal Retention Force: 100gf/terminal min

 Stator plate Retention Force: 100gf/plate min.

Durability: 30 mating cycles

ELECTRICAL PERFORMANCE

■ Voltage Rating: 50V AC/DC

Current Rating: 0.5A

■ Contact Resistance: 30MΩ max.

• Insulation Resistance: 500M Ω min.

 Dielectric Withstanding Voltage: No short or breakdown after 500V AC, 2mA, 1min.

PACKAGING

■ Tape & Reel

APPROVALS AND CERTIFICATIONS

• UL file number E106764

RoHS compliant

SPECIFICATION

■ Product Specification: IS.EQC.033

ENVIRONMENTAL

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

TARGET MARKETS/APPLICATIONS



Car Multimedia Car Navigation Dashboard PND



Base Station 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

