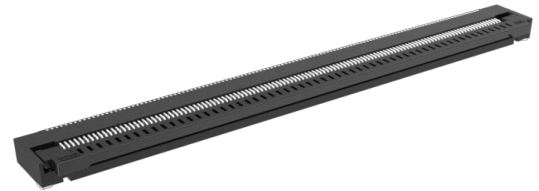


0.40mm Pitch FFC/FPC –HRS- F21L Series

RIGHT ANGLE ZIF FLEX CONNECTOR

HRS-F21L series is a 0.40mm pitch right angle ZIF flex connector with a front flip lock, surface mount termination, dual beam and double contact points. It features 2.60mm height and comes in 4 to 120 contacts. This series features a cable thickness of 0.30mm and provides enhanced durability of 30 mating cycles. The connectors come with a robust design and prevent solder and fluxwicking. These are ideal for automotive, data, industrial, and medical applications.

- Easy to operate
- Strong FFC/FPC retention force makes it vibration-proof
- Dual beam and double contact points provide enhanced contact stability
- Ensures high solderability and high durability



TARGET MARKETS



FEATURES

- ZIF (Zero Insertion Force) mechanism
- Front flip locking function
- Dual beam and Double contact points
- Design against solder and flux wicking
- 4 to 120 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
- Comprehensive range to satisfy different customer requirements
- Meets environmental, health, and safety requirements

TECHNICAL INFORMATION

MATERIAL

- Housing: LCP, Black color (UL94V-0)
- Actuator: PA9T, Black color (UL94V-0)
- Contact: Phosphor Bronze, T=0.15mm, 1~3μm Ni under plating
- Fixed plate: Brass, T=0.20mm, 1~3μm Ni under plating, 2~4μm tin plating

MECHANICAL PERFORMANCE

- FFC/FPC Retention Force: 0.196N/Pin min.
- Terminal Retention Force: 0.2N or more
- Fixed Plate Retention Force: 100gf/plate min.
- Durability: 30 mating cycles

ELECTRICAL PERFORMANCE

- Voltage Rating: 50VAC/VDC
- Current Rating: 0.4A
- Contact Resistance: 40mΩ max.
- Insulation Resistance: 100MΩ min.
- Dielectric Withstanding Voltage: No short or breakdown after 250VAC, 2mA, 1min.

PACKAGING

- Tape & Reel

APPROVALS AND CERTIFICATIONS

- UL file number E106764
- RoHS compliant

SPECIFICATION

- Product Specification: IS.EQC.197

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

Find part number details using the search box on www.horus-sh.com.cn

