

0.30mm Pitch FPC – F14D Series

RIGHT ANGLE ZIF FLEX CONNECTOR

F14D series is a right angle ZIF flex connector with a front flip lock, surface mount termination, and bottom side contact. It features a small profile with 0.3mm pitch and 1.0mm height. This series features a FPC thickness of 0.20mm and provide enhanced durability.

- Easy to operate
- Strong FPC retention force makes it vibration-proof
- Enhanced contact stability
- Ensures high solderability and high durability
- Small pitch with low profile, staggered layout



TARGET MARKETS



FEATURES

- ZIF (Zero Insertion Force) mechanism
- Front flip locking function
- Bottom side contact
- Design against solder and flux wicking
- 7 to 71 positions available
- Lead and halogen-free

BENEFITS

- Absence of frictional mating wear results in high mating cycle life
- Easy to operate and strong 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=0.12mm, 1~3µm Ni under plating
- Anchor-plate: Brass, T=0.15mm, 1~3µm Ni under plating, 2~4µm Tin plating

MECHANICAL PERFORMANCE

- FFC/FPC Retention Force: 0.15N/pin
- Terminal Retention Force: 0.8N/terminal min.
- Fixed Plate Retention Force: 0.8N/plate min.
- Durability: 20 mating cycles

ELECTRICAL PERFORMANCE

- Voltage Rating: 30VAC/VDC
- Current Rating: 0.2A
- Contact Resistance: 40mΩ max.
- Insulation Resistance: 500MΩ min.
- Dielectric Withstanding Voltage: No short or breakdown after 250VAC, 2mA, 1min.

APPROVALS AND CERTIFICATIONS

- UL 94V-0
- RoHS compliant

ENVIRONMENTAL

- Operating Temperature Range: -55°C to +85°C

SPECIFICATION

- Aurora Product Specification: IS.EQC.200

PACKAGING

- Tape & Reel

TARGET MARKETS/APPLICATIONS



Notebook Tablets Wearables Gaming
DSC
LCD & PDP TV

PART NUMBER SELECTOR

