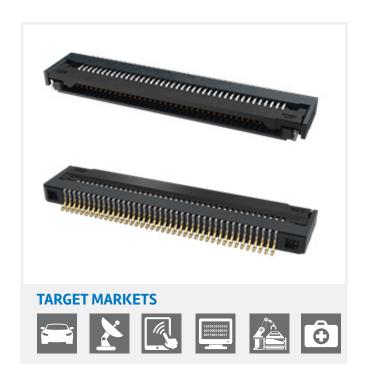


0.50mm Pitch FFC/FPC - F300/F301 Series

RIGHT ANGLE ZIF FLEX CONNECTOR

F300/F301 series are 0.50mm pitch 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 automotive, data, industrial, communication, 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

Aorora 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

