

# 1.00mm Pitch FFC/FPC – F518/F519 Series

## RIGHT ANGLE NON ZIF FLEX CONNECTORS

F518/F519 series are 1.00mm pitch right angle Non-ZIF flex connectors with surface mount termination and no locking mechanism. These connectors feature a height of 3.00mm and come in 4 to 30 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

- Single action low-force FFC/ FPC insertion and removal
- High solderability and durability



### TARGET MARKETS



### 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, black color(UL94V-0)
- Contact: Phosphor bronze, T=0.25mm
- Anchor-plate: Brass, T=0.20mm

### MECHANICAL PERFORMANCE

- FFC/FPC Retention Force: 30gf/terminal min.
- Anchor-plate Retention Force: 300gf/plate 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 E106764
- RoHS compliant

### SPECIFICATION

- Aorora Product Specification: IS.EQC.005

### 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

