

Amphenol ICC

## 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



#### **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

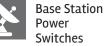
#### **ENVIRONMENTAL**

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

#### **TARGET MARKETS/APPLICATIONS**



Car Multimedia **Car Navigation** Dashboard PND





**Tablets** Wearables Gaming DSC LCD & PDP TV





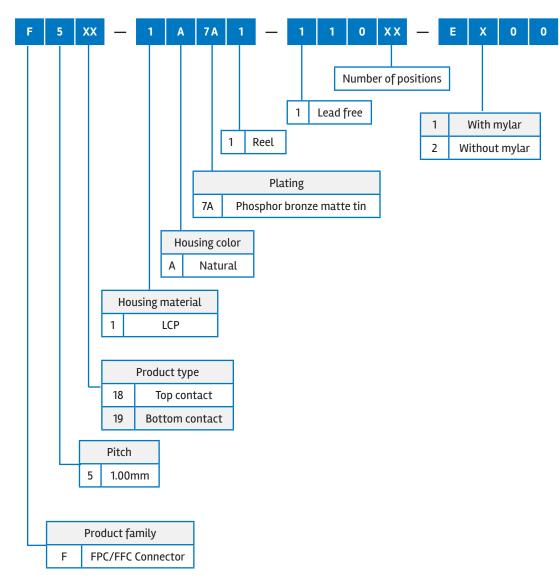
Sensing element Monitoring camera Human Machine Interface Industrial PC Robotics

Ultrasonic Patient Monitor MRI СТ Infusion Pump

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#### Disclaimer

Please note that the above information is subject to change without notice.



### PART NUMBER SELECTOR

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