



**THE DATASHEET OF**  
**62684-401100AHLF**



## OPU Series

### 0.5MM PITCH ZIF RIGHT ANGLE FFC–FPC CONNECTOR

FFC–FPC connectors with Zero Insertion Force (ZIF), which allows for easy cable insertion (cable is pre-held by the slider) for a reliable connection. Top or bottom contact types. These connectors feature a height of 2.00mm and are offered in 32 to 60 contacts. OPU series connectors have a proven track record in automotive, data, industrial, telecommunications, consumer and medical application equipment.

- Easy to operate and strong FFC/FPC retention makes it vibration–proof
- Ensures high solderability and high durability
- Operating temperature range of –55°C to +85°C



#### TARGET MARKETS



#### FEATURES

- ZIF (Zero Insertion Force) slider mechanism
- A traditional sliding actuator secures the cable
- Design against solder and flux wicking
- High–temperature, dimensional stable thermoplastic housing
- 32 to 60 positions available
- Lead and halogen–free

#### BENEFITS

- Stress free mating provides high durability
- Simple action and strong FFC/FPC retention ensures contact stability
- Ensures high solderability
- Covers general operating temperature range of –55°C to +85°C
- Supports many applications as a general–purpose product
- Meet environmental, healthy and safety requirement

## TECHNICAL INFORMATION

### MATERIAL

- Housing: LCP, natural color (UL94V-0)
- Actuator: PPS, black color (UL94V-0)
- Contact: Phosphor bronze
- Tab: Brass

### MECHANICAL PERFORMANCE

- FFC/FPC Retention Force: 0.25N/contact min.
- Durability: 20 mating cycles

### ELECTRICAL PERFORMANCE

- Voltage Rating: 50V A.C./D.C
- Current Rating: 0.5A A.C./D.C
- Contact Resistance: 30mΩ max.(initial value)
- Insulation Resistance: 100MΩ min.
- Dielectric Withstanding Voltage: No short or breakdown after 200V A.C., 1mA, 1min.

### ENVIRONMENTAL

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

### APPROVALS & CERTIFICATION

- UL file number E66906
- RoHS compliant

### PACKAGING

- Tape & Reel

### SPECIFICATIONS

- Orientation: Right angle
- Cable Termination: ZIF
- Cable type: FFC/FPC
- Board Termination: Surface mount
- Contact Location: Top and bottom options
- Height: 2.0mm
- Lead free with gold plating
- Halogen-free option
- Accommodated Cable Thickness: 0.3mm

### TARGET MARKETS/APPLICATIONS



Car Multimedia  
Car Navigation  
Dashboard  
Lighting



Gaming  
LCD & OLED Displays



Base Station  
Switches  
Controllers  
Storage

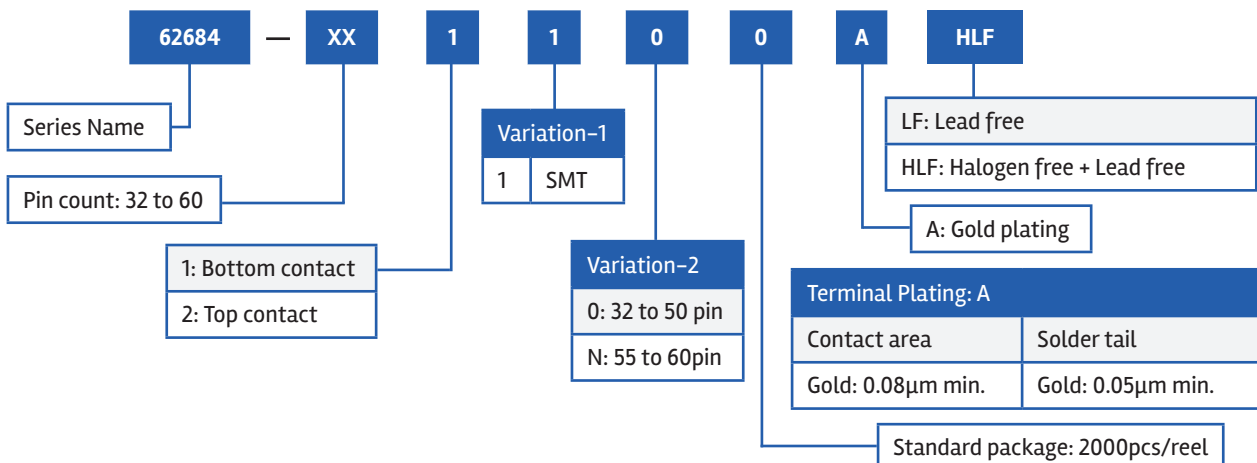


Controllers  
HMI  
Vending Machines  
PLC  
Drives



Ultrasonic  
Patient Monitor  
MRI  
CT  
Infusion Pump  
Hospital Bed

## PART NUMBER SELECTOR



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