



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 $+85^{\circ}\text{C}$



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 $+85^{\circ}\text{C}$
- 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

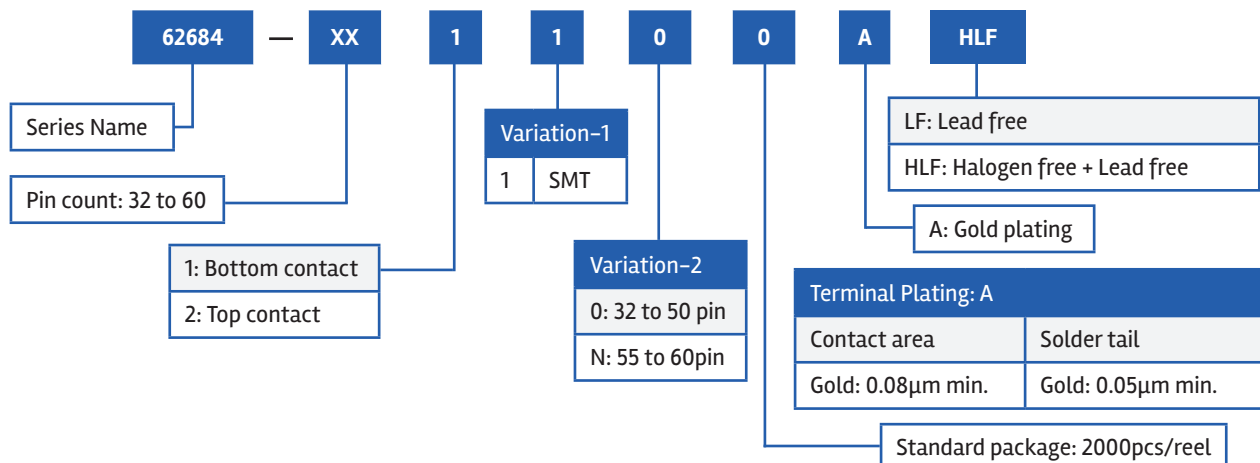


Controllers
HMI
Vending Machines
PLC
Drives



Ultrasonic
Patient Monitor
MRI
CT
Infusion Pump
Hospital Bed

PART NUMBER SELECTOR



BASICOPU042EA4

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

 [View 62684-401100AHLF](#) on WIN SOURCE

 [Amphenol](#) Information

Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management