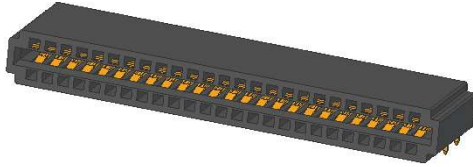


# HFLPP1 series

# PCB POWER CONNECTOR



## Features

- Designed for mainstream telecom server racks and integrated into the server's power PCB
- Adopts a bent PCB welding structure
- Capable of supporting power and signal transmission

RoHS compliant

## ELECTRICAL DATA

Rated Voltage	250V
Rated current	7A
Voltage Proof	1000VAC
Contact Resistance	$\leq 10\text{m}\Omega$
Insulation Resistance	$\geq 5000\text{M}\Omega$

Notes: 1) The data shown above are initial values.

## STORAGE REQUIREMENT

Environment temperature	-10°C to +40°C
Humidity	80% Max
Ambient gas	no acidity, no alkalescence and other corrosive gas
Stockpile period	Doesn't exceed one year from production date

Notes: 1) The data shown above are initial values.

## CHARACTERISTICS

Temperature Range	-55°C ~ 105°C
Salt Mist	24h
Humidity Temperature	25°C to 40°C, 10 times <sup>3)</sup>
Temperature life	240 hours at 105°C( $\pm 5^\circ\text{C}$ ) <sup>3)</sup>
Thermal Shock	-5°C(30 min), +105°C(30 min), 25 times, <sup>3)</sup>
Mechanical Shock	Acceleration of 50g, half sine wave, lasting 11 ms, $\pm X$ , $\pm Y$ , $\pm Z$ direction 3 times each, the current instantaneous break time is less than 1 $\mu\text{s}$ <sup>(2)</sup>
Vibration	Frequency 10Hz~55Hz~10Hz, displacement amplitude 0.75mm, each vertical direction lasts for 55 min, the current instantaneous break time is less than 1 $\mu\text{s}$
Protection Grade	/
Quality	Approx. 40g
Marking Mode	Laser etching
Durability	200 Times Min
Termination	PCB

Notes: 1) The data shown above are initial values.

- 2) Meet the parts without damage, insulation resistance and withstand voltage meet the requirements of electrical performance parameters.  
3) Meet the parts without damage, withstand voltage meet the requirements of electrical performance parameters.

## ORDERING INFORMATION

Type	HFLPP1	H	50	R	B	G	(XXX)
Type of Connector	H: Non-polarity						
No. of Contact	50: Fully loaded with 50 Power Contacts						
Structural Form	R: Right angle						
Termination Form	B: PCB Welding						
Contact plating	G: Partial Gold Plating						
Special code	XXX: Customer special requirement						



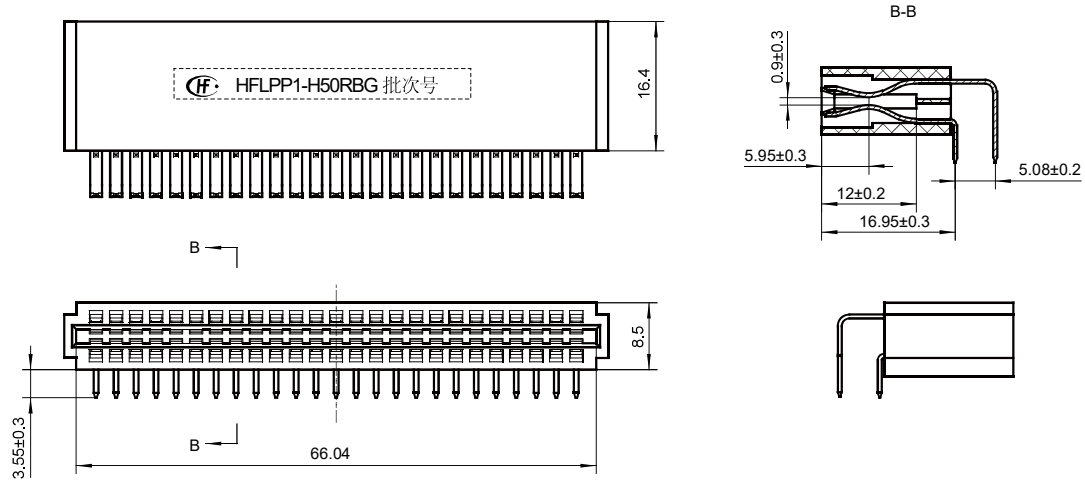
HONGFA POWER CONNECTOR SOCKET

2024 Rev. 1.00

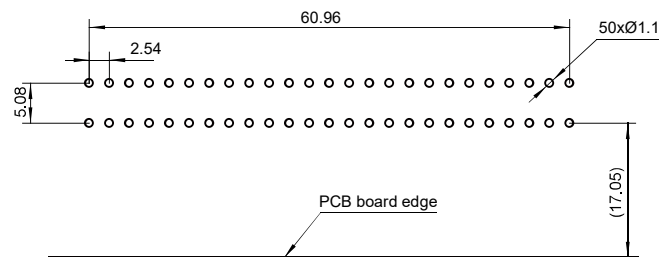
# OUTLINE DIMENSIONS AND PC BOARD LAYOUT

Unit: mm

## Outline Dimensions

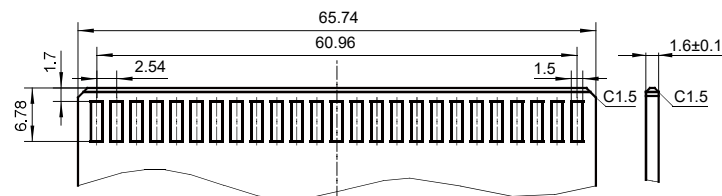


## PCB Layout (Bottom view)



## PCB Layout (Bottom view)

### Recommended PCB Size



## Disclaimer

The specification is for reference only. See to "Terminology and Guidelines" for more information. Specifications subject to change without notice. We could not evaluate all the performance and all the parameters for every possible application. Thus the user should be in a right position to choose the suitable product for their own application. If there is any query, please contact Hongfa for the technical service. However, it is the user's responsibility to determine which product should be used only.

© Xiamen Hongfa Electroacoustic Co., Ltd. All rights of Hongfa are reserved.