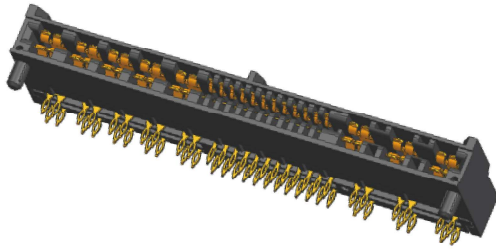


HFLPP3 series

POWER CONNECTOR



Features

- It is an important part of the CRPS module in the server setup, assuming the role of power transmission and signal transmission
- Fish-eye terminals are used, allowing solder-free press-fit
- Capable of carrying three currents simultaneously: AC, DC, and signal

RoHS compliant

ELECTRICAL DATA

Rated Voltage	AC:300VAC; DC:60VDC;Signal:60VAC
Rated current	AC:25A; DC:60A; Signal:1A
Voltage Proof	AC:2000VAC;DC:1500VAC; Signal:1000VAC
Contact Resistance	AC/DC: $\leq 2\text{m}\Omega$; Signal: $25\text{m}\Omega$
Insulation Resistance	AC/DC: $\geq 5000\text{M}\Omega$; Signal: $500\text{M}\Omega$

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 ~ 125°C
Salt Mist	48h
Humidity Temperature	25°C to 40°C, 10 times ³⁾
Temperature life	250 hours at 105°C($\pm 5^\circ\text{C}$) ³⁾
Thermal Shock	-40°C(30 min), +85°C(30 min), 5 times ³⁾
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 μs ⁽²⁾
Vibration	Frequency 10Hz~ 55Hz~ 10Hz, displacement amplitude 1.52mm, each vertical direction lasts for 55 min, the current instantaneous break time is less than 1 μs
Protection Grade	/
Quality	Approx.40g
Marking Mode	Laser etching
Durability	250 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	HFLPP3	H	16	24	R	T	G	(T1)
Type of Connector	H: Reed							
No.of Power Contact	16: Fully loaded with 16 Power Contacts							
No.of Signal Contact	24: Fully loaded with 24 Signal Contacts							
Structural Form	R: Right angle							
wiring method	T: Fish Eye Compression							
Contact plating	G: Partial Gold Plating							
Special code	(T1): Multi-electric Reed							



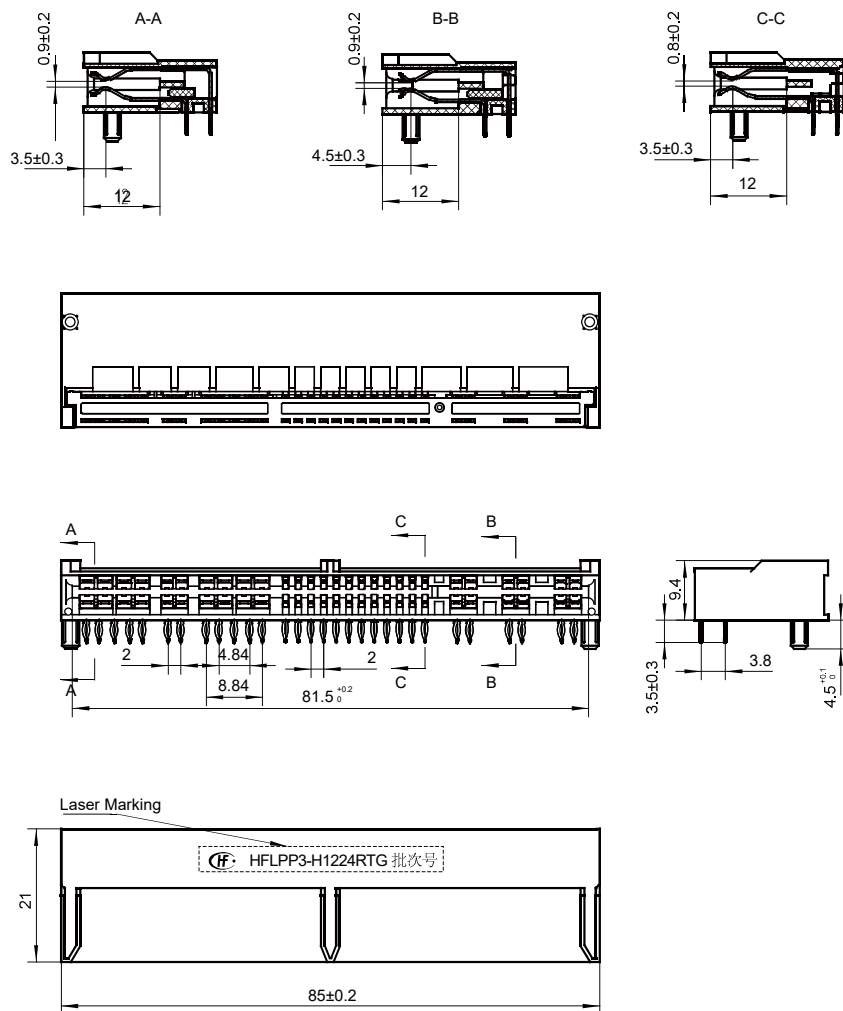
HONGFA POWER CONNECTOR SOCKET

2024 Rev. 1.00

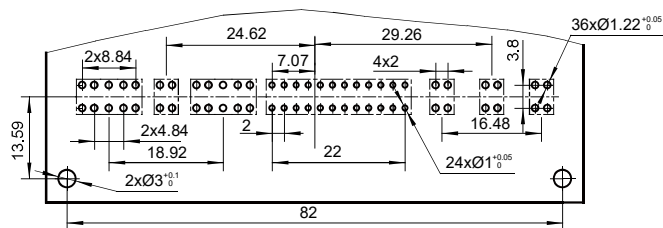
OUTLINE DIMENSIONS AND PC BOARD LAYOUT

Unit: mm

Outline Dimensions



PCB Layout (Bottom view)

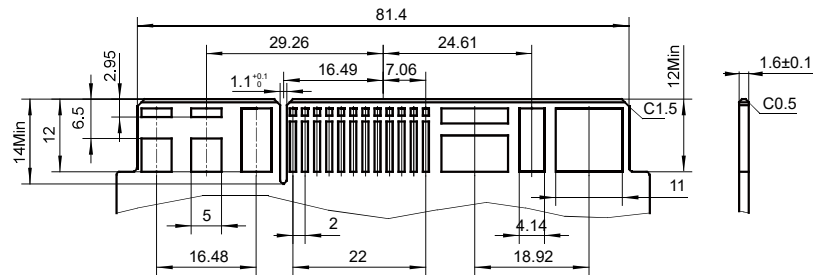


OUTLINE DIMENSIONS AND PC BOARD LAYOUT

Unit: mm

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.

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