

HFLPP2 series

PCB 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
- Solder terminals are adopted
- Multi-contact and heat dissipation hole design are adopted, and the power terminals feature good temperature rise performance.

RoHS compliant

ELECTRICAL DATA

Rated Voltage	AC:300VDC; Signal:100VDC
Rated current	Power:50A; Signal:5.2A
Voltage Proof	Power:1800VDC; Signal:500VDC
Contact Resistance	Power:≤ 2mΩ; Signal: 25mΩ
Insulation Resistance	Power:≥5000MΩ; Signal:500MΩ

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

STORAGE REQUIREMENT

Environment temperature	-10℃ to +40℃
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℃ to 105℃
Salt Mist	48h
Humidity Temperature	25℃ to 40℃, Humidity: 80% to 98% RH 10 times ³⁾
Temperature life	1008 hours at 105℃(±5℃) ³⁾
Thermal Shock	-65℃(60 min), +105℃(60 min), 25 times ³⁾
Mechanical Shock	Acceleration of 50g, half sine wave, lasting 11 ms, ±X, ±Y, ±Z direction 3 times each, the current instantaneous break time is less than 1μs ⁽²⁾
Vibration	Frequency 10Hz to 500Hz, displacement amplitude 1.52mm, each vertical direction lasts for 120 min, the current instantaneous break time is less than 1μs
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

	HFLPP2	-Z	S	1214	R	BB	G
Type							
Type of Connector	Z: Socket						
Type of Contact	S: Female						
No.of Contact	12: 12 Power Contacts 14V: 14 Signal Contacts						
Structural Form	R: Right angle						
Contact Termination Style	BB: Power Terminal Solder B: Signal Terminal Solder						
Contact plating	G: Partial Gold Plating						



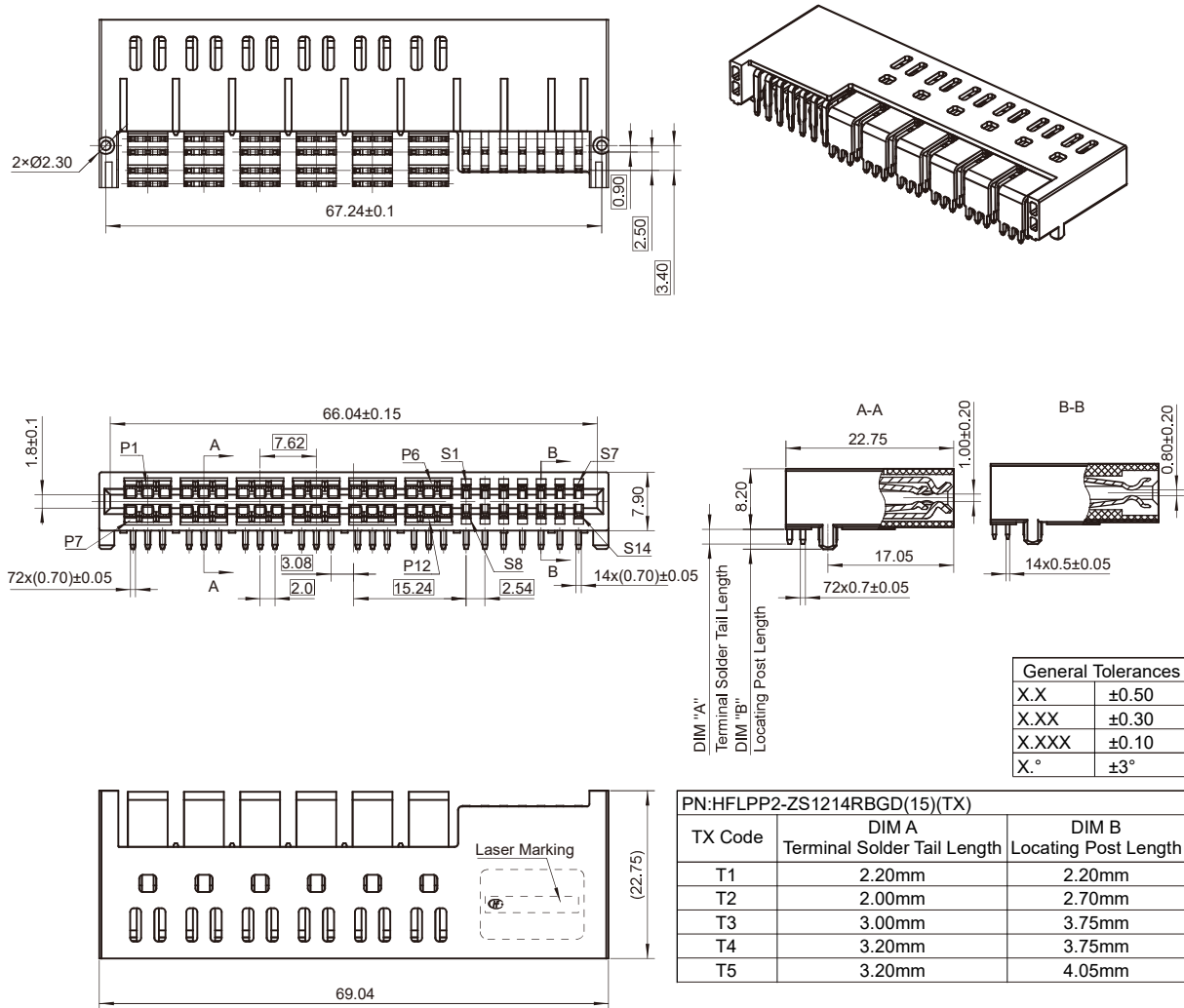
HONGFA POWER CONNECTOR SOCKET

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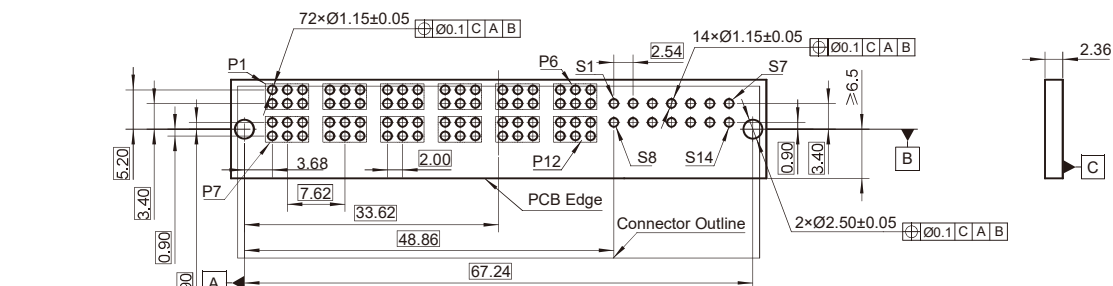
OUTLINE DIMENSIONS AND PC BOARD LAYOUT

Unit: mm

Outline Dimensions

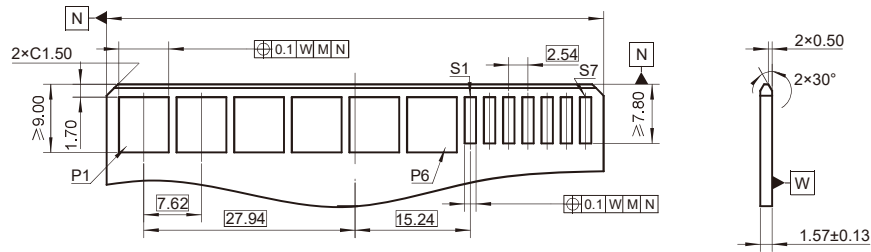


PCB Layout (Bottom view)



Recommended Mating Card Layout
Notes: Undimensioned tolerances: ±0.05.

Edge Connector Layout (Bottom view)



Notes: Undimensioned tolerances: ± 0.05 .

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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