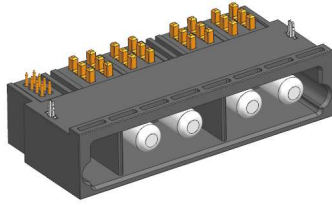


HFLPR14 plug series

POWER CONNECTOR



Features

- The socket contact uses red copper with coiled spring structure, integrating high current-carrying capacity and spring elasticity for greatly improved current rating
- Features reliable connection, smooth mating, low contact resistance and high current density.
- Suitable for charging piles, UPS, power supplies and control signals
- Mating With:
HFLPR14-ZS0408VYB Power connector socket

RoHS compliant

ELECTRICAL DATA

Rated Voltage	1000V
Rated current	150A
Voltage Proof	3000VAC
Contact Resistance	$\leq 0.4\text{m}\Omega$
Insulation Resistance	$\geq 3000\text{M}\Omega$

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	-40°C to 125°C
Salt Mist	48h
Damp heat, cyclic	25°C to 55°C, Relative humidity $\geq 95\%\text{RH}$, 6 cycles ⁽³⁾
Temperature life	168 hours at 125 $\pm 2^\circ\text{C}$ ⁽³⁾
Thermal Shock	-40°C(30 min), +125°C(30 min), 5 times ⁽³⁾
Mechanical Shock	Acceleration of 30m/s ² , half sine wave, lasting 11ms, $\pm X$, $\pm Y$, $\pm Z$ direction 3 times each, the current instantaneous break time is less than 1 μs
Vibration	Frequency 10Hz ~ 55Hz ~ 10Hz, AM 0.75mm, each vertical direction lasts for 2h, the current instantaneous break time is less than 1 μs
Protection Grade	IP20
Quality	Approx. 113.8g
Marking Mode	Laser etching
Durability	500 Times Min
Termination	Cable crimping

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

- 2) The parts should not be damaged, and the contact resistance should meet the requirements of electrical performance parameters.
3) No physical damage, electrical and mechanical properties meet sequential testing.

ORDERING INFORMATION

	HFLPR14	-T	P	04	08	R	B	B
Type								
Type of Connector	T: Plug							
Type of Contact	P: Male							
No.of Power Contact	04: 4 Power Contacts							
No.of Signal Contact	08: 4 Signal Contacts							
Structural Form	R: Right angle							
Power pin wiring method	B: Welding							
Signal pin wiring method	B: Welding							



HONGFA POWER CONNECTOR SOCKET

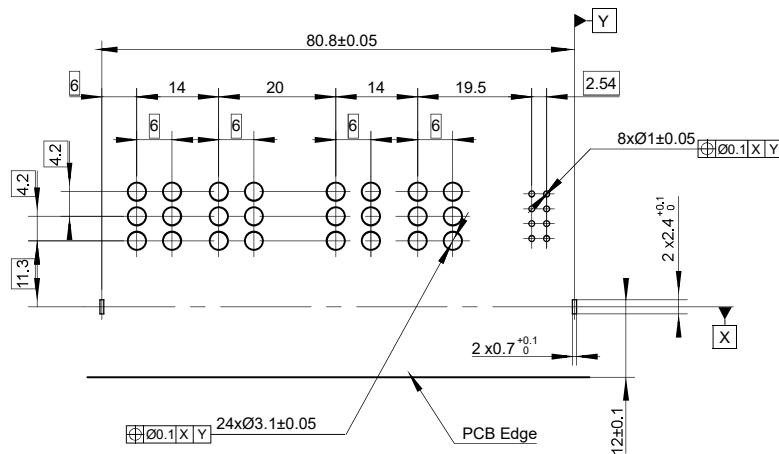
2026 Rev. 1.00

Unit: mm

PCB Layout (Bottom view)

The diagram shows the bottom view of the PCB layout with dimensions and component locations. The overall dimensions are 85.8 mm in length and 20.5 mm in width. The layout includes a central section with four circular components labeled 1, 2, 3, and 4, and a side section with four circular components labeled 5, 6, 7, and 8. The dimensions are as follows:

- Overall length: 85.8
- Overall width: 20.5
- Distance from left edge to component 1: 10.4
- Distance between components 1 and 2: 6
- Distance between components 2 and 3: 6
- Distance between components 3 and 4: 14
- Distance between components 4 and 5: 6
- Distance between components 5 and 6: 8
- Distance between components 6 and 7: 6
- Distance between components 7 and 8: 13.5
- Distance from component 8 to right edge: 2.54
- Distance from component 4 to component 5: 2.54
- Distance from component 5 to component 6: 2.54
- Distance from component 6 to component 7: 2.54
- Distance from component 7 to component 8: 2.54
- Distance from component 8 to right edge: 2.54
- Distance from component 4 to component 5: 11.7
- Distance from component 5 to component 6: 11.7
- Distance from component 6 to component 7: 11.7
- Distance from component 7 to component 8: 11.7
- Distance from component 8 to right edge: 11.7



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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