

HFLPR8 plug series

POWER CONNECTOR



Features

- The contact are made of copper alloys with high conductivity
- The use of crown springs for contact ensures contact reliability
- It has the characteristics of reliable connection, soft insertion, low contact resistance and high current carrying density
- Power distribution module for DC charging station, also suitable for industrial equipment electricity Source module
- Mating With: HFLPR8 socket series power connector

RoHS compliant

ELECTRICAL DATA

Rated Voltage	600V
Rated current	85A
Voltage Proof	3000VAC
Contact Resistance	≤ 0.6mΩ
Insulation Resistance	≥3000MΩ

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

CHARACTERISTICS

Temperature Range	-55°C to 125°C
Salt Mist	48h
Constant heat and humidity	40°C, Relative humidity of 95%, steady-state damp heat effect for 96 h ²⁾
Temperature life	168 hours at 125±5°C ²⁾
Thermal Shock	-55°C(30 min), +125°C(30 min), 5 times ²⁾
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
Vibration	Frequency 10Hz ~ 500Hz ~ 10Hz, displacement amplitude 1.52mm,each vertical direction lasts for 55 min,the current instantaneous break time is less than 1μs
Protection Grade	/
Quality	Approx.69.7g
Marking Mode	Laser etching
Durability	1000 Times Min
Termination	PCB

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

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

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.

ORDERING INFORMATION

HFLPR8-		T	P	05	R	B	(XXX)
Type							
Type of Connector	T: Plug						
Type of Contact	P: Contact pin						
No.of Contact	05: Fully loaded with 5 Contacts						
Structural Form	R: Right angle						
Termination Form	B: Welding						
Special code	XXX: Customer special requirement						

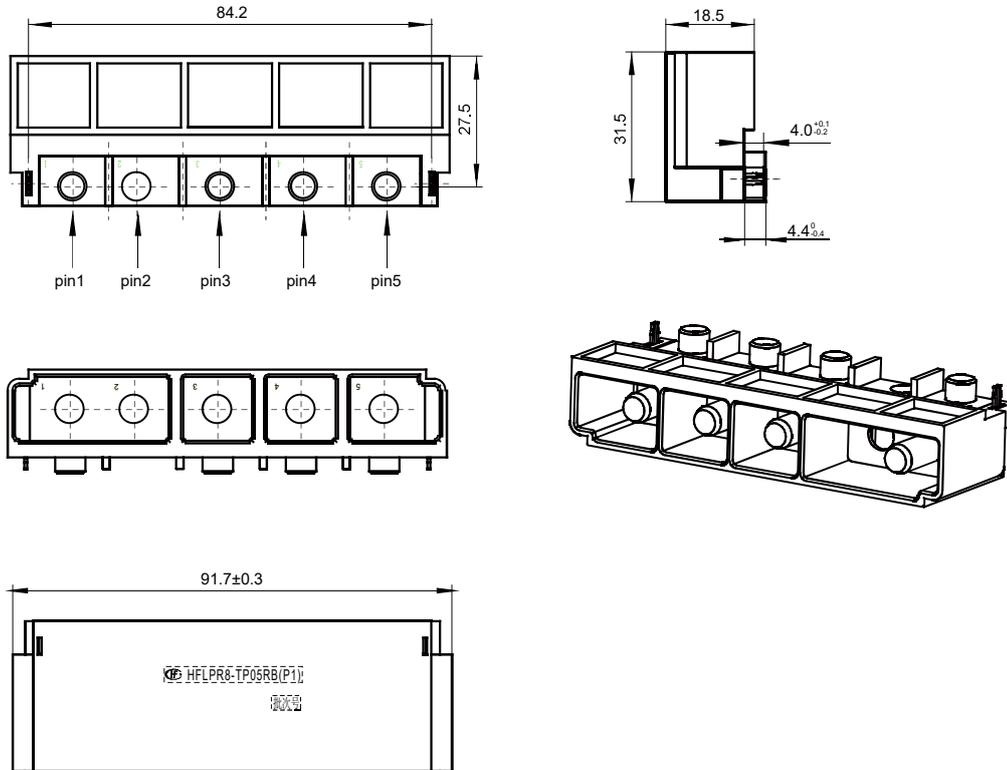


HONGFA RELAY

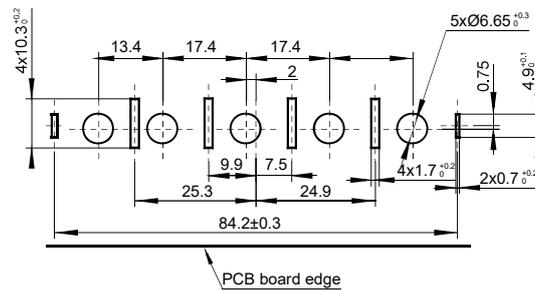
ISO9001, IATF16949, ISO14001, ISO45001, IECQ QC 080000, ISO/IEC 27001 CERTIFIED

2024 Rev. 2.00

Outline Dimensions



PCB Layout
(Bottom view)



Disclaimer

The specification is for reference only. 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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