Product Specifications

NAME: 8 Outputs SPI Signal Amplifier Hub
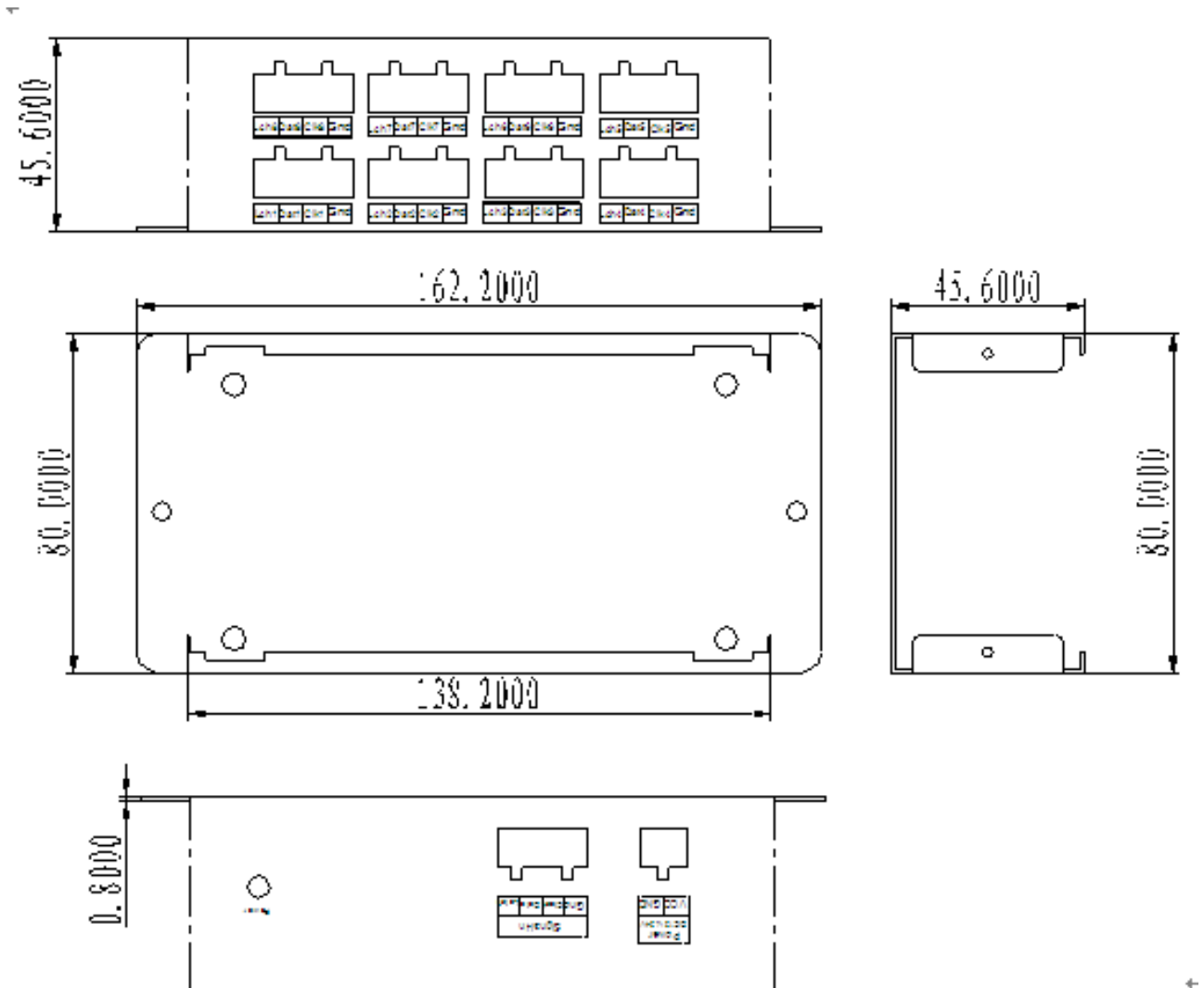**MODEL: HC800**

Function

1. **Used as SPI Hub**
2. **SPI Amplifier**
3. **synchronizing function**

Technical parameters

- working temperature: -20-60℃
- supply voltage: DC12-24V
- static power consumption: <1W
- output: 8 groups of SPI signal, in parallel connection
- net weight: 116g
- gross weight: 170g
- external dimension: L140 x W 70 x H25mm
- packing size: L148 x W76 x H48mm

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External Dimension

Interface Specifications

Input interface:

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VCC is the positive of power input, GND is the negative of power input; LATCH is interface of latching signal; DATA is interface of dream color date signal; CLOCK is interface of clock signal; GND is common ground.

Output interface:

Lch1 is the interface of latching signal of port 1; Dat1 is dream color date signal interface of port1; Clk1 is clock signal interface of port1; Gnd is common ground. The other seven output port is same as output interface of port1.

Direction for Use

According to the silk-screen prompts on the panel of dream-color amplifier, connect input and output signal wires in order，ensure short circuit can not occur between wires, then connect power with dream-color amplifier, actually use it with dream-color controller, please reference to the following typical application.

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Typical application:

Diagram labels:
- SPI Controller — Gnd, Clock, Data
- DC12-24V — AC220V
- Signal-In — Latch, Data, Clock, Gnd
- Power DC12V — Gnd, Vcc
- INPUT
- OUTPUT
- SPI8 — Lch8, Dat8, Clk8, Gnd
- SPI7 — Lch7, Dat7, Clk7, Gnd
- SPI6 — Lch6, Dat6, Clk6, Gnd
- SPI5 — Lch5, Dat5, Clk5, Gnd
- SPI1 — Lch1, Dat1, Clk1, Gnd
- SPI2 — Lch2, Dat2, Clk2, Gnd
- SPI3 — Lch3, Dat3, Clk3, Gnd
- SPI4 — Lch4, Dat4, Clk4, Gnd
- LEDS — Gnd, Clk, Dat, +12V
- DC12V — AC220V