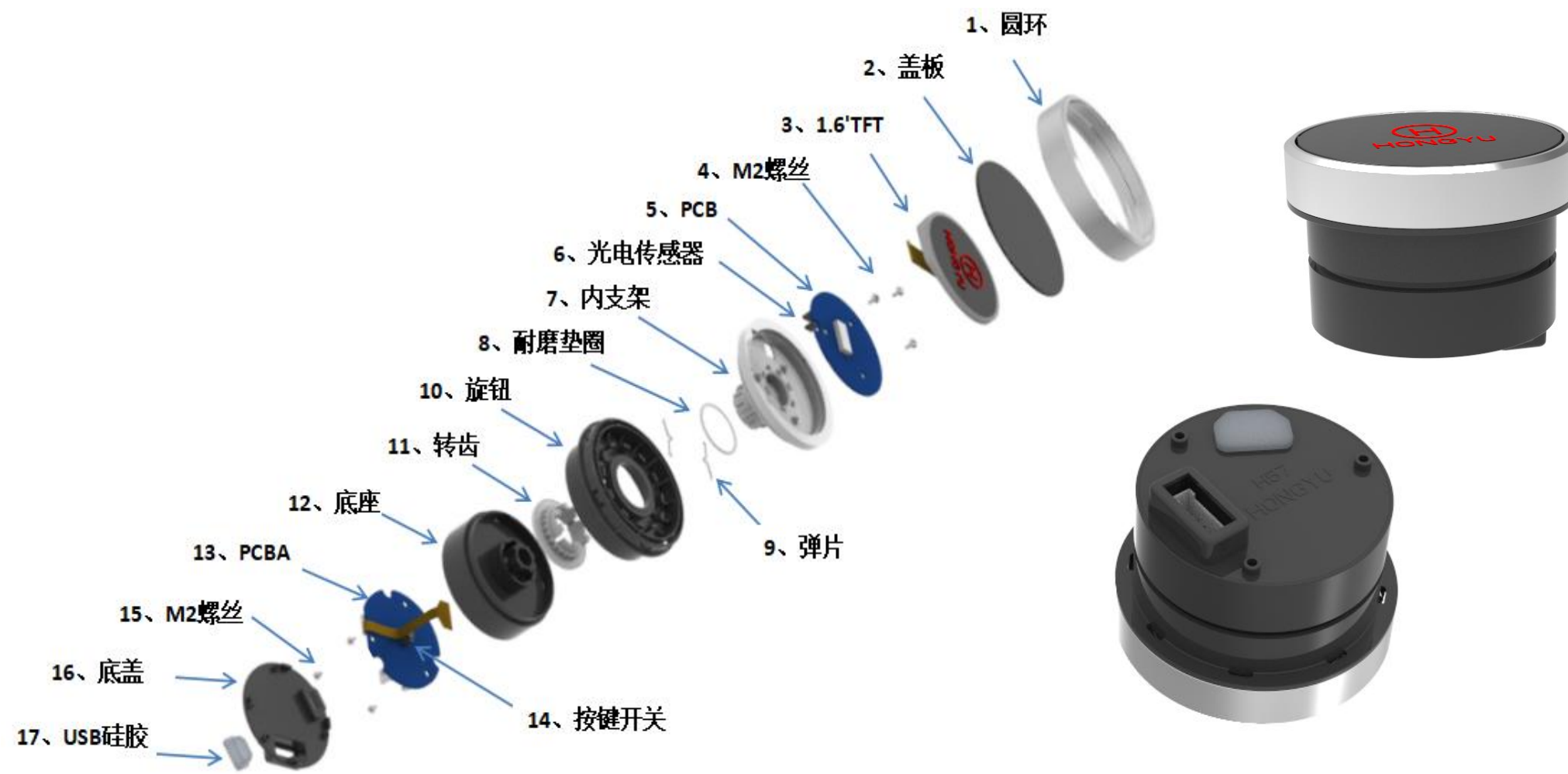


NEW Economical Type Knob Module : H57-A Appearance Effect Drawing



NEW Economical Type Knob Module : H57-A 3D renderings

H57-A product is a new intelligent rotary module which structure uses TFT, PCBA and photoelectric sensor. The product comes with press switch and endless adjustment function. Products support secondary development and also be customized according to customer needs for UI design and appearance size adjustment. The product use a connector for signal transmission, can save cost for customers and simple mounting. These products are widely used in household appliances and multimedia control modules.



NEW Economical Type Knob Module : H57-A Parts Material Table

项目 Items	名称 Part Name	材质 Textures	数量 Qty
1	圆环 Ring	铝合金 Aluminum Alloy	1
2	盖板 Cover plate	钢化玻璃 Tempered Glass	1
3	TFT屏 TFT screen	\	1
4	M2平头螺丝 M2 grub screw	SUS304	3
5	PCB	FR-4	1
6	光电传感器 Photoelectric Sensor	\	1
7	内支架 Inner Bracket	POM	1
8	耐磨垫圈 Wear Washer	POM	1
9	弹片 Shrapnel	SUS301	1
10	旋钮 Rotary Knob	ABS+PC	1
11	转齿 Rotary Gear	POM	1
12	底座 Base	ABS+PC	1
13	PCBA	\	1
14	按键开关 Push-button Switch	SUS304	1
15	M2平头螺丝 M2 grub screw	ABS	3
16	底盖 Bottom Cap	ABS+PC	1
17	USB硅胶 USB Silicone	半透硅胶 translucent silicone	1

NEW Economical Type Knob Module : H57-A Dimensions and Specification

Product Details:

Rated voltage:

Operating temp:

Waterproof grade:

Insulation resistance:

Withstand voltage:

Contact Resistance:

Pulses:

Rotational torque:

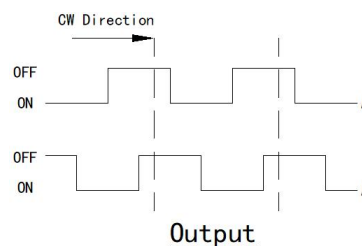
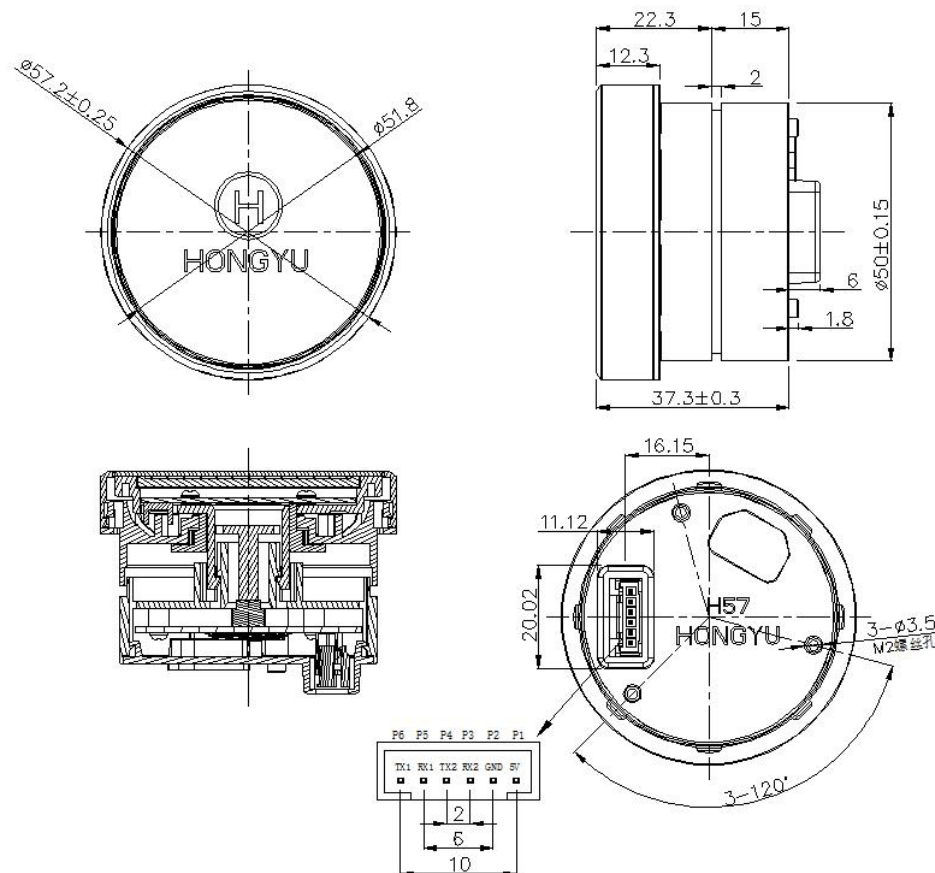
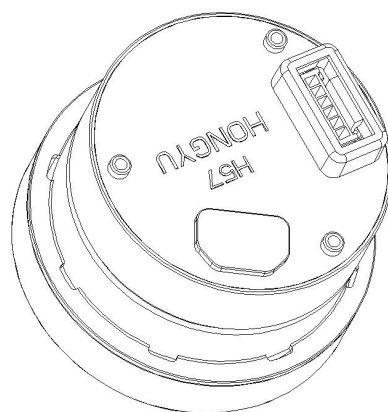
Switch resilience:

Press switch travel:

Angle of throw:

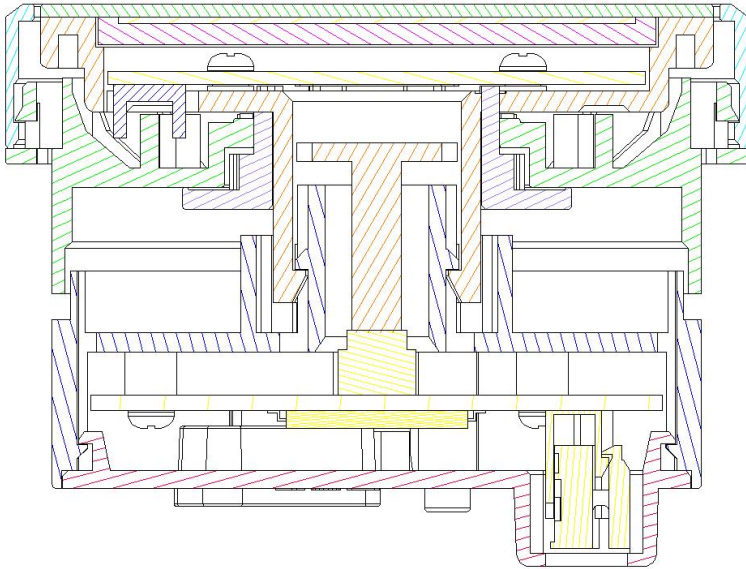
Rotational life:

DC 5V 200mA
-20 °C~+70 °C
IPX4
> 50MΩ
300V DC
<100mΩ
24个脉冲360°
300±100gf.cm
400±200g
1.5mm
15° ±2°
25000 cycles



Output Terminal Interface Definition		
Terminal Serial Number	Output Definition	Explanation
P1	+5V	Power input
P2	GND	Common ground
P3	RX2	Serial port input
P4	TX2	Serial port output
P5	RX1	Serial port input
P6	TX1	Serial port output

NEW Economical Type Knob Module : H57-A Function Introduction



- Product display types can be customized: TFT, OLED, LCD, digital tube, etc.
- The product transmits signals by rotating the knob clockwise or counterclockwise, achieving a switching function effect and displaying the pattern content on the display screen interface.
- The products are connected by electronic wire and quick connector, which saves cost for customers and makes assembly simple.
- The products are suitable for media control, household appliances and other fields to achieve function switching modules. At the same time, support secondary development, but also can be customized according to customer UI requirements for design and other development solutions.

THANK YOU !