



OLED Push Button Switch SLC



Feature

- I2C interface
- 0.42" High resolution OLED display
- Mechanical push button switch
- Smooth and Silent operation
- Switch Long operating Life
- OLED module keycap available for replace

Application

- Industrial equipment
- Pro-Audio & Pro-Video
- Machine tool
- Medical equipment
- Robot
- Transportation
- 3C
- High-end Technology



General Description

Combination mechanical button switch and OLED display.
Control OLED display through I2C protocol interface.

SWITCH

Switch circuit :SPST-NO (dual contact point)
Switch contact rating :100mA @ 12V DC max
Contact Resistance :100m Ohm (initial)
Insulation Resistance :100M Ohm Min.
Operating Force :200gf $\pm$ 50gf
Total Travel :4.5mm $\pm$ 0.50mm
Mechanical Life :5,000,000 cycles Min.
Function :Momentary(SPST)
Solder Specifications :260 °C for 3 seconds
Operating Temperature :-40°C ~ +80 °C

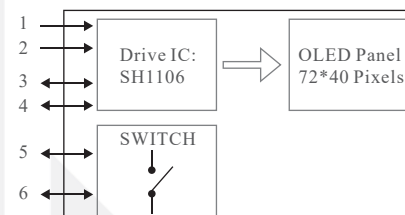
OLED

Oled type :White & Black
Driver IC :SH1106
Interface :I2C
Drive duty :1/40 duty
Display Format :72*40 Pixels
Input voltage :3.3V
Active Area :9.2(W)mm*5.2(H)mm
Dot Size :0.108(W)mm*0.11(H)mm
Dot Pitch :0.128(W)mm*0.13(H)mm
Life time (450cd/m²) :1,500 hour

MATERIALS

Cap :Acrylonitrile Butadiene Styrene (ABS)
Lens :Polycarbonate (PC)
Reflector :Polyoxymethylen (POM)
Base :Polyamide (PA)
Moving contact :Phosphor Bronze with gold plating
Terminal :Brass with gold plating
Spring :SUS

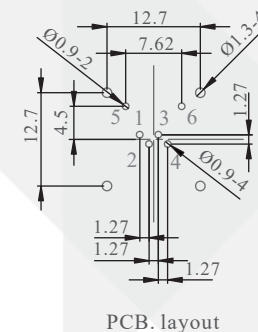
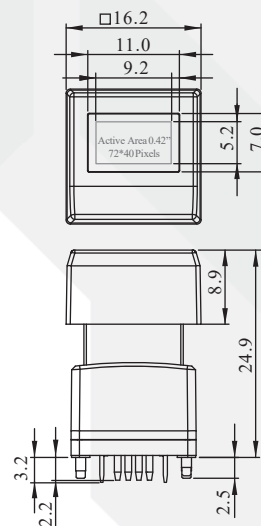
Contact configuration



Pin	Name	Function	Level
1	GND	Ground for System.	0V
2	VDD	Power Supply for System	3.3V
3	SCL	I2C bus clock signal	H/L
4	SDA	I2C bus data signal	H/L
5	SW COM.	Switch Common	
6	SW NO.	Switch Normal Open	

Dimension

P/N : SLC1TACY5



PCB. layout

Option



Adapter: YPC073

