ShanPu

Illuminated Tactile Switches Series SPD





PAT. I 328824 PAT. ZL 2007 2 0141338.4

General Specifications Switch circuit

Switch contact rating :50mA @ 12V DC max LED rating :Limited forward current(IF) at 20mA max LED+IC control protocol :1-wire protocol control, 5V DC Contact Resistance :100mOhm Max.(initial) Insulation Resistance :100MOhm Min. Operating Force :220gf±50gf Total Travel :0.3mm±0.1mm Mechanical Life :1,000,000 cycles Min. Operating Temperature :-25 °C ~ +60 °C

:SPST

Materials

Cover Reflector Base Action Dome Terminal :Polycarbonate (PC) :Polyamide(PA) :LCP :Stainless steel with silver plating :Phosphor bronze (PBS) with gold plating

Features

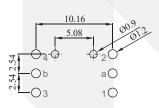
- Bright LEDs of Single, Dual or RGB colors available.
- Full face illumination.
- Small and short body for mounting in tight spaces.
- Snap-actiong contact mechanism.
- Build your own legend.
- Long operating Life.

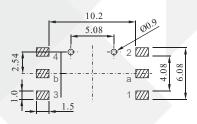
RGB+IC Feature

- Uses WS2812B 5V RGB led with programmable.
- RGB Led Can be connected in series to reduce wiring.

Contact configuration / Single LED / Switch $1(-) \circ 2(+)$ / RGB LED Recommend add resistor to limited each LED forward current at 20mA / RGB+IC LED Note Function Description RGB GND GROUND Pin2,3 suggest avoiding high frequency IC DIN DATA IN signal to avoid interference. DOUT DATA OUT Wrong polarity may cause damage to VDD POWER VOLTAGE,5V the function. RGB+IC Control protocol: 1-wire protocol control, 5V DC

– PCB. layout





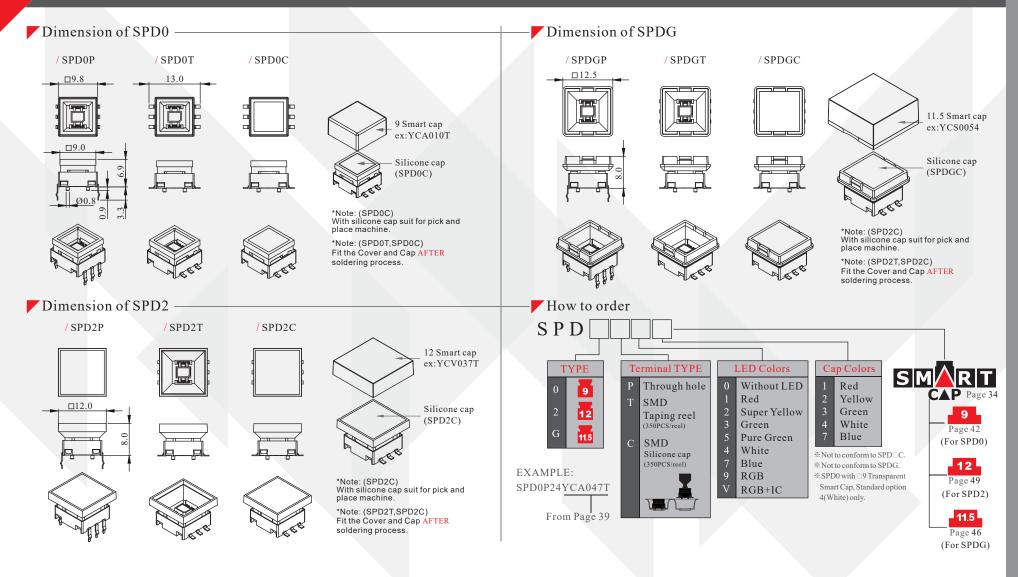
9 11.5 12

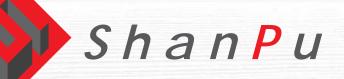
Through hole Type





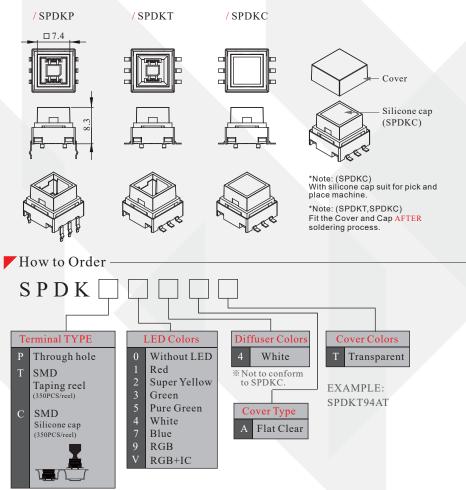
Illuminated Tactile Switches Series SPD





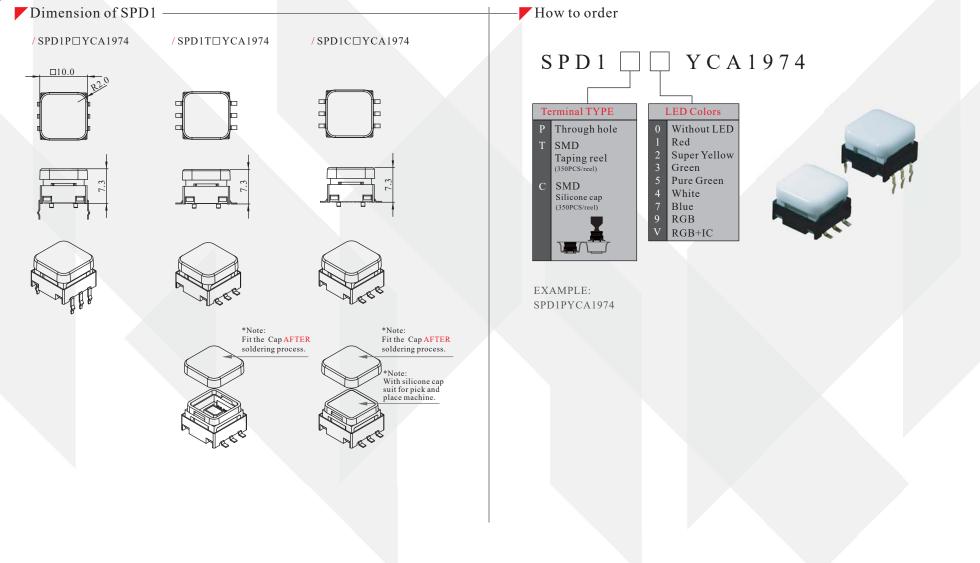
Illuminated Tactile Switches Series SPDK

Dimension of SPDK ——



ShanPu

Illuminated Tactile Switches Series SPD1



ShanPu

Illuminated Tactile Switches Series SPD3

