



SLIDE SWITCH FOR P.C.B. ESP-SPDT SERIES



ESP10XX



ESP20XX



ESP30XX



ESP40XX

■ FEATURES

- The distance of 2 adjacent pins or stacked devices is 2.54 mm pitch
- All plastics are UL 94V-O grade fire retardant
- Low contact resistance and long mechanical life, suitable for signal switching and communication equipments.

■ APPLICATIONS

- Measuring point changeover switches
- Service switch
- Controls for consumer devices

■ SPECIFICATIONS

◆ SPDT TYPE (ESP10,20,30,40 Series)

1. ELECTRICAL CHARACTERISTICS

● Contact rating	0.2A, 24VDC; 0.5A, 12VDC
● Minimum contact rating	1mA, 10mV
● Contact resistance	Initial: 50mΩ Max.
	After life test: 100mΩ Max.
● Dielectric strength	2mA, 500VDC for 60sec.
● Capacitance	1.5pF Max.
● Insulation resistance	10000MΩ Min. under 500VDC
● Mechanical life	5000 operations

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-34970699
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)



2. GENERAL CHARACTERISTICS

● Temperature range	operating	-25°C ~ +70°C
	storage	-40°C ~ +85°C
● Solder temperature		230°C for 3 sec.
● Vibration		normal operation at 10Hz to 60Hz, 1.5mm movement
● Salt spray		35°C , 5% for 24hours
● Reflow soldering heat for SMT type (reference)		Max. 260 °C 240 °C 180 °C 150 °C Temperature (°C) 120-150 sec 20 sec Max. Time (sec)

■ PART NUMBERING SYSTEM

ESP XX XX XX

XX: Special product number

Material type:

10: Standard version (Blue)

20: Tropical version (Black)

KD: Tape & Reel Package (For ESP40 series only)

Terminal:

10: Straight type

20: Right angle type

30: Stand V-type surface mount (Tropical version only)

40: Gull wing type surface mount (Tropical version only)

Series name: ESP: SLIDE SWITCH FOR P.C.B.

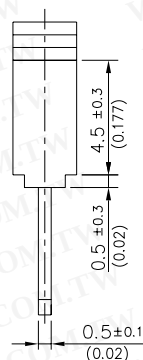
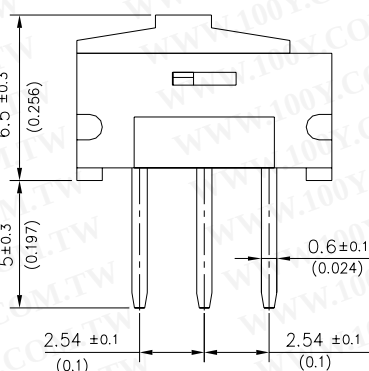
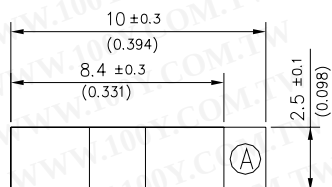


Switch

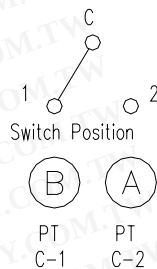
DIMENSIONS AND CIRCUITRY

DIMENSIONS Unit: mm(inch)

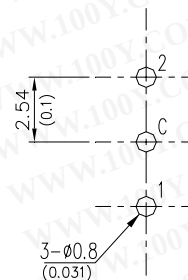
P/N.: ESP10XX



CIRCUIT DIAGRAM

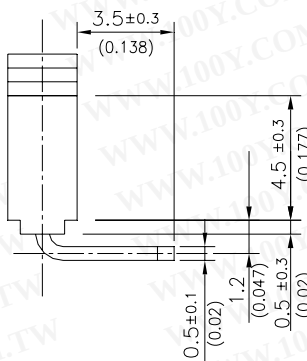
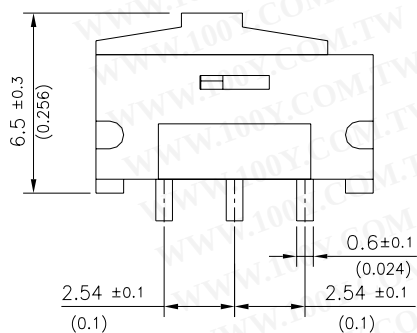
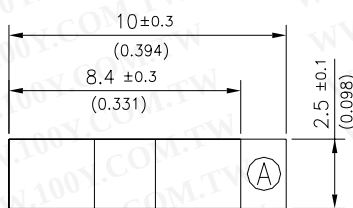


P.C.B. LAY OUT

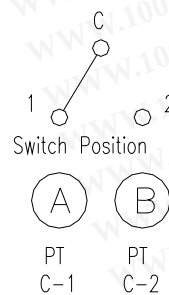


DIMENSIONS Unit: mm(inch)

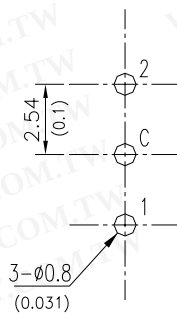
P/N.: ESP20XX



CIRCUIT DIAGRAM



P.C.B. LAY OUT



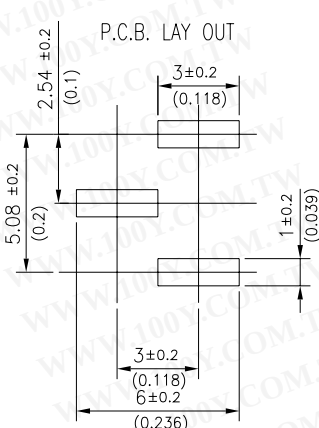
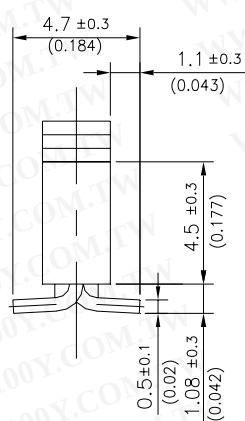
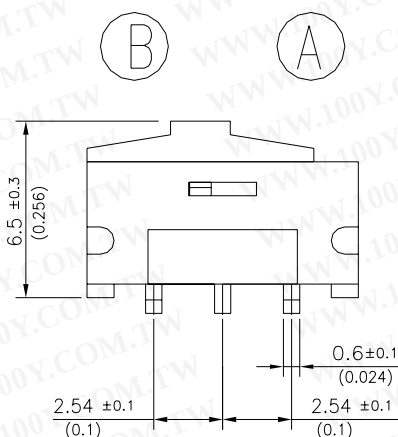
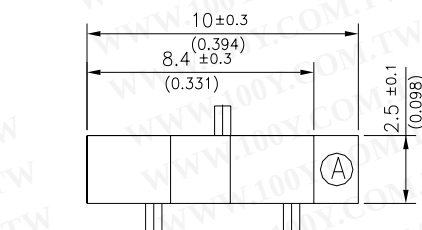
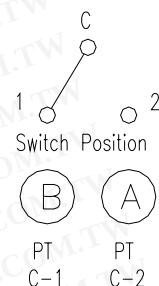


Switch

DIMENSIONS Unit: mm(inch)

P/N.: ESP30XX

CIRCUIT DIAGRAM



DIMENSIONS Unit: mm(inch)

P/N.: ESP40XX

CIRCUIT DIAGRAM

