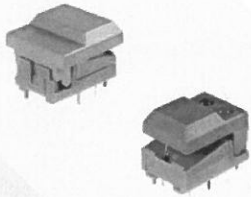


ShanPu

Pushbutton Switches Series **SP86L** (Latching TYPE)



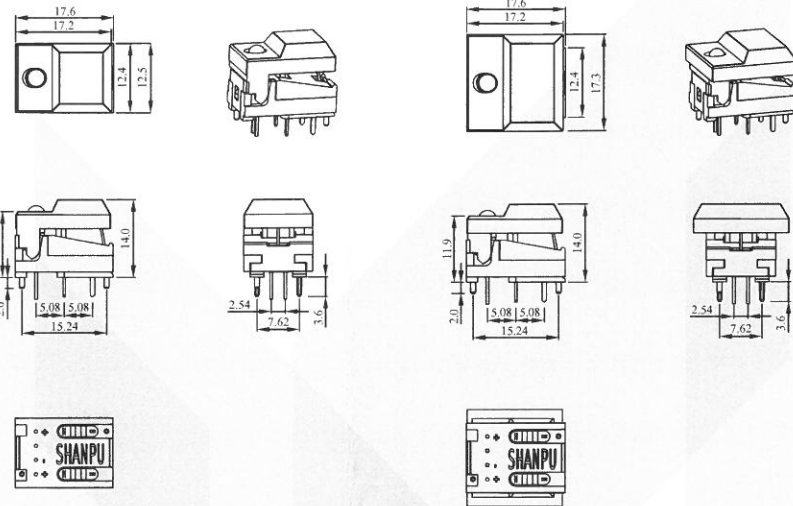
General Specifications

Circuit :SPDT
 Switch current rating :12 mA.
 Switch voltage rating :24 V DC
 Contact Resistance :50m Ohm Max(initial)
 Insulation Resistance :100M Ohm Min
 Operating Force :170 gf±50 gf
 Total Travel :2.5mm±0.5mm
 Operating Life :500,000 Cycles Min.
 Solder Specifications :260deg for 3 seconds
 Operating Temperature :-10 deg~+60 deg
 Function :Alternate

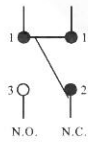
Material

Cap :Acrylonitrile Butadine Styrene (ABS)
 Base :Polyamide (PA)
 Fixed Support :Stainless steel wire
 Latching pin :Stainless steel wire
 Terminal :Phosphor bronze (PBS) with gold plating
 Moving Contact :Phosphor bronze (PBS) with gold plating
 Spring :Piano wire
 LED :3mm Diameter LED Lamp

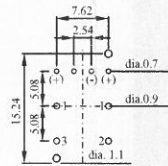
Dimension



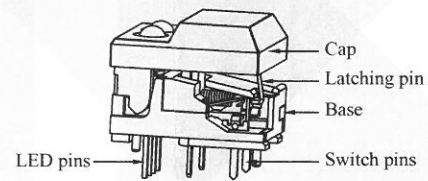
Circuit & PCB Layout



Circuit



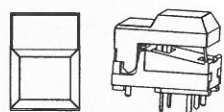
PCB. Layout



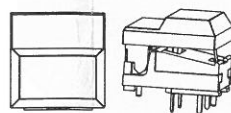
ShanPu

Pushbutton Switches Series **SP86L** (Latching TYPE)

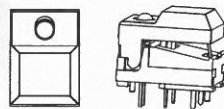
Cap type



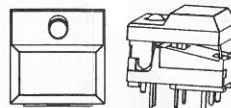
A0 Type



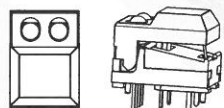
B0 Type



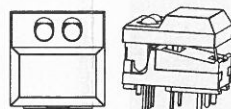
A1 Type



B1 Type



A2 Type



B2 Type

How to Order

SP86L — [] — [] — [] — [] — []

Cap Style	
Small CAP	
A0	Without LED
A1	One-LED
A2	Two-LED
LargeCAP	
B0	Without LED
B1	One-LED
B2	Two-LED

Cap Colors	
1	Red
2	Yellow
3	Green
4	White
5	Black
6	Orange
7	Blue
9	Grey

LED Colors		
Without LED		
One LED		
01	Red	
02	Yellow	
03	Green	
07	Blue	
Left		Right
11	Red	Red
12	Red	Yellow
13	Red	Green
17	Red	Blue
21	Yellow	Red
22	Yellow	Yellow
23	Yellow	Green
27	Yellow	Blue
31	Green	Red
32	Green	Yellow
33	Green	Green
37	Green	Blue
71	Blue	Red
72	Blue	Yellow
73	Blue	Green
77	Blue	Blue

Special Option	
LED Terminal	
B	+ o - Bend
LED electrode direction	
Single LED	
-	o + - standard
2	o - + o
Two LEDs	
-	+ - + standard
4	- + + -
5	- + - +
6	+ - + -

**"B" single LED only
 * standard type do not need.
 ** "+"=anode
 *** "-"=cathode
 " " =none this pin

