

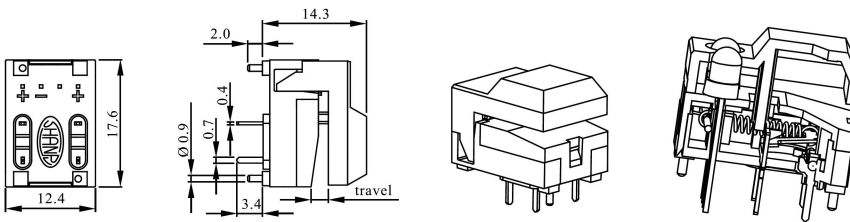
## Specifications



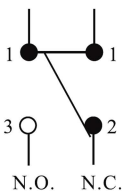
Circuit	:SPDT
Current Rating	:12mA.
Voltage Rating	:24 V DC
Contact Resistance	:50m Ohm Max(initial)
Insulation Resistance	:100M Ohm Min
Operating Force	:SP86N(170gf±50gf)/ SP86N-H(400gf±100gf)
Total Travel	:2.5mm±0.5mm
Mechanical Life	:1,000,000 Cycles Min.
Solder Specifications	:260d eg for 3 seconds
Operating Temperature	:-10 deg~+60 deg
Function	:Momentary

Material	
Cap	:Acrylonitrile Butadiene Styrene (ABS)
Case	:Polyamide (PA)
Fixed Support	: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

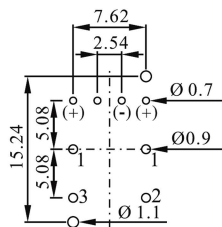
## Dimensions of SP86N cap type



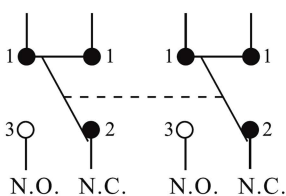
## Circuit & PCB Layout



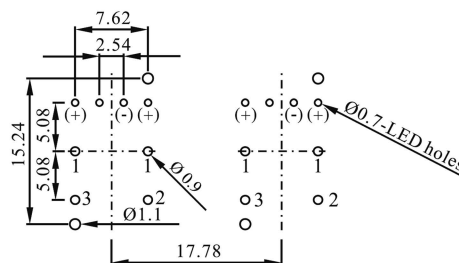
Contact Configuration



P.C.B. Mounting Holes

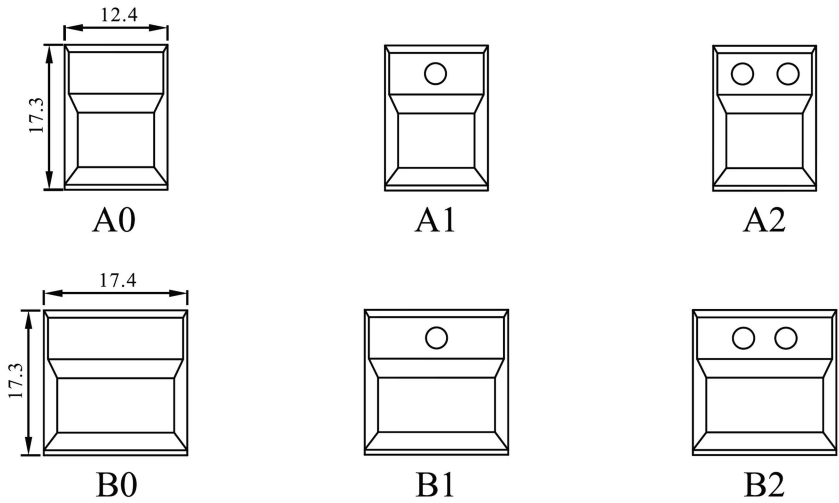


(DPDT)  
Contact Configuration  
SP86N H cap Type



P.C.B. H Cap Type Layout

Cap Type



How to Order

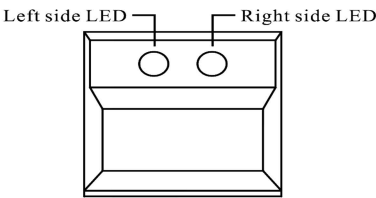
SP86N —   —  —

CAP Styles	
Small CAP	
A0	Without LED
A1	One-LED
A2	Two-LED
Large CAP	
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

※ “6” Orange  
Non-often prepared goods

LED Colors		
00	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



How to Order

SP86N

H

Double wide CAP	
H0	Without LED
H2	Two-LED
H4	Four-LED

CAP Colors	
5	Black
9	Grey

LED Colors Option				
2 LEDs				
Led 1		Led 2		
1	1	1	1	Red
2	2	2	2	Yellow
3	3	3	3	Green
7	7	7	7	Blue
4 LEDs				
Led a	Led b	Led c	Led d	
1	1	1	1	Red
2	2	2	2	Yellow
3	3	3	3	Green
7	7	7	7	Blue

\*Repeat the code for the following LED(s)

