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 Maximal
- Insulation Resistance: 100M Ohm Min.
- Operating Force: 170g ± 5% g
- Total Travel: 2.5mm ± 0.5mm
- Operating Life: 500,000 Cycles Min.
- Solder Specifications: 260°C for 3 seconds
- Operating Temperature Function: -10 deg to +60 deg

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

**Dimension**

**Circuit & PCB Layout**

- Circuit
- PCB Layout

**Legend**
- Cap
- Latching pin
- Base
- Switch pins
- LED pins
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**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

**LED Colors**
- **Without LED**
  - 01: Red
  - 02: Yellow
  - 03: Green
  - 07: Blue

**Special Option**
- **LED Terminal**
  - S: Bend
- **LED electrode direction**
  - Single LED
    - *+- standard
  - Two LEDs
    - *+- + standard
    - *+- *+-

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

**LED pins**
- Left side LED
- Right side LED

**Mounting holes**
- Top view