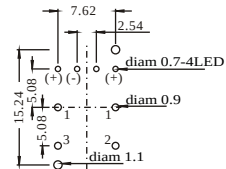
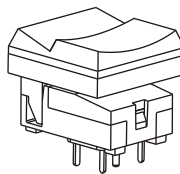
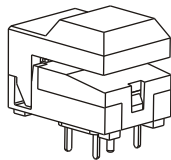
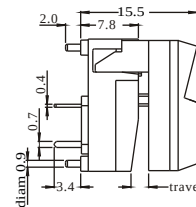
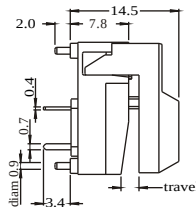
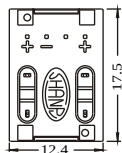




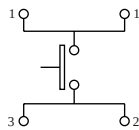
| General Specifications |                        |                        |
|------------------------|------------------------|------------------------|
|                        | SP86N Type             | SP86T Type             |
| Circuit                | SPDT                   | SPST                   |
| Current Rating         | 12mA.                  | 50mA.                  |
| Voltage Rating         | 24VDC                  | 12VDC                  |
| Contact Resistance     | 50m Ohm Max(initial)   | 100mOhm Max(initial)   |
| Insulation Resistance  | 100M Ohm Min           | 100MOhm Min            |
| Operating Force        | 170gf±50gf             | 450gf±100gf            |
| Total Travel           | 2.5mm ±0.5mm           | 0.3mm ±0.2mm           |
| Operating Life         | 500,000 Cycles Min.    | 100,000 Cycles Min.    |
| Solder Specifications  | 256deg for 5 seconds   | 256deg. for 5 seconds  |
| Operating Temperature  | +10deg~+60deg          | +10deg.~+60deg.        |
| Function               | Momentary              | Tactile                |
| LED Rating             | See the table at below | See the table at below |

| Materials      |                      |                      |
|----------------|----------------------|----------------------|
| Parts          | Type                 |                      |
|                | SP86N(New)           | SP86T(Tact function) |
| Cap            | PC/ABS               | PC/ABS               |
| Case           | Nylon(V0)            | Nylon(V0)            |
| Fixed Support  | Stainless steel wire | POM                  |
| Terminal       | PBS+Au               | PBS+Au               |
| Moving Contact | PBS+Au               | —                    |
| Act. Dome      | —                    | SUS                  |

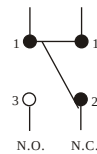


Cap Type C &D

P.C.B. Mounting Holes



(SPST)  
Contact Configuration  
SP86T Type

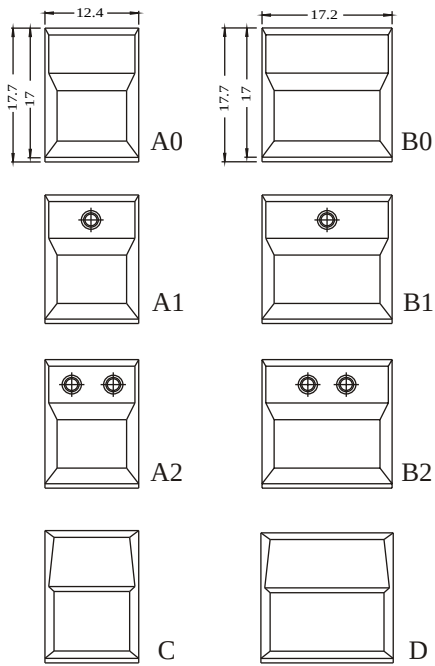


(SPDT)  
Contact Configuration  
SP86N Type

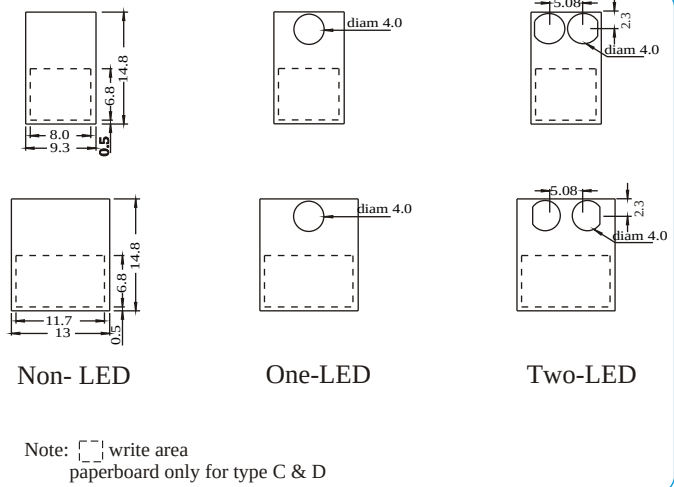
| Parameter                           | Symbol(Unit)         | Red               | Yellow | Green | Red* | Yellow* | Green* |
|-------------------------------------|----------------------|-------------------|--------|-------|------|---------|--------|
| Forward Voltage                     | V <sub>F</sub> (V)   | 2.0               | 2.1    | 2.2   | 2.0  | 2.1     | 2.2    |
| Forward Current                     | I <sub>F</sub> (mA)  | 30                | 30     | 30    | 25   | 30      | 25     |
| Permissible loss                    | P <sub>D</sub> (mW)  | 80                | 80     | 80    | 120  | 105     | 105    |
| Luminous Intensity                  | I <sub>V</sub> (mcd) | 60                | 50     | 60    | 3    | 15      | 15     |
| Peak Wave Length                    | λ <sub>p</sub> (nm)  | 635               | 585    | 568   | 700  | 590     | 565    |
| Reverse Voltage                     | V <sub>R</sub> (V)   | 5                 |        |       |      |         |        |
| Reverse Current(V <sub>R</sub> =5V) | (uA)                 | 100               |        |       |      |         |        |
| Lead Soldering Temperature          | (degree)             | 260 for 5 Seconds |        |       |      |         |        |

with \* mark only for single LED (The LED's terminal would be bend)

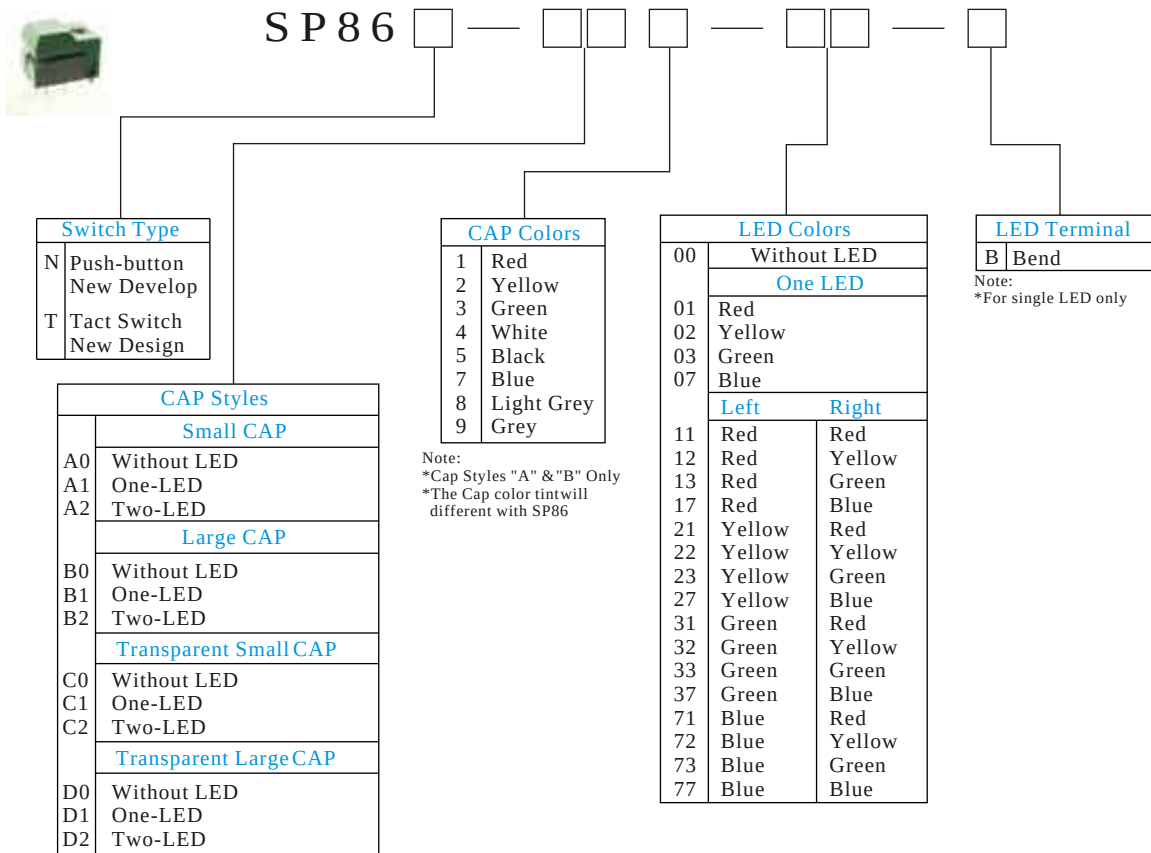
### Cap Style



### Paperboard



### How to Order



EXAMPLE : SP86N-B1-1-01  
SP86N Pushbutton switch -Large with one holes cap -Red cap - Red led(the terminal in the inner)

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