

## Tact Switch Illuminated



- ※Horizontal operation
- ※Various LED colors
- ※Options of different cap color & mark

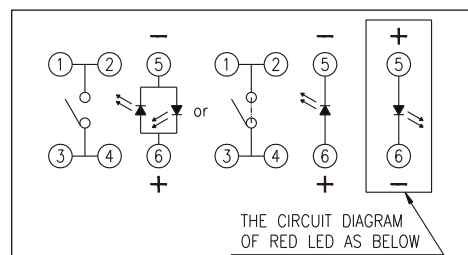
## APPLICATION

- ※Automotive
- ※Server
- ※Laptop, IPC

## SPECIFICATION

|                       |                     |
|-----------------------|---------------------|
| Contact Rating        | 50mA, 12V DC        |
| Contact Resistance    | 100mΩ max.          |
| Insulation Resistance | 100MΩ min. 500V DC  |
| Dielectric Strength   | 250V AC/1 minute    |
| Operating Force       | 160±50gf / 260±50gf |
| Travel                | 0.2mm               |
| Operating Life        | 500, 000 cycles     |
| Operating Temp.       | -40°C ~ +85°C       |
| Storage Temp.         | -40°C ~ +85°C       |

## CIRCUIT



## PACKAGE

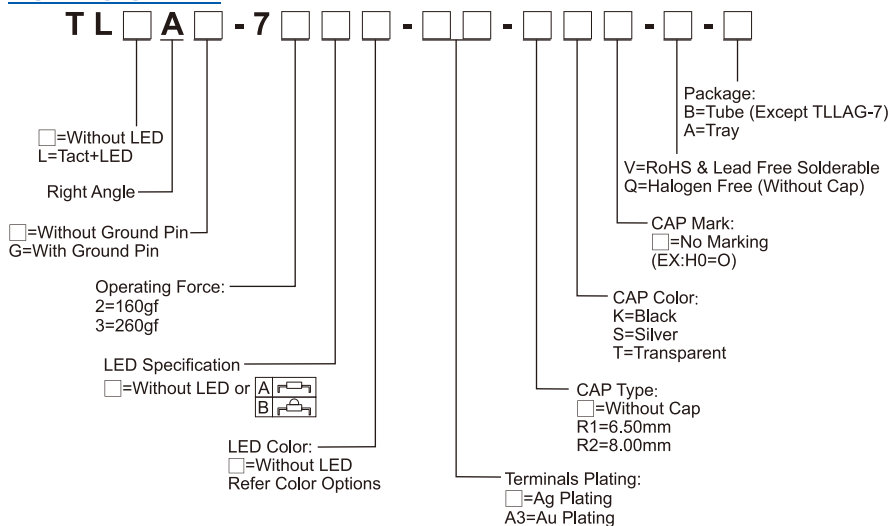
**<Tray>**

TLLA-7□-A: 100 pcs.

**<Tube>**

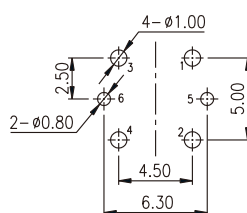
TLLA-7-B: 64 pcs.

## HOW TO ORDER

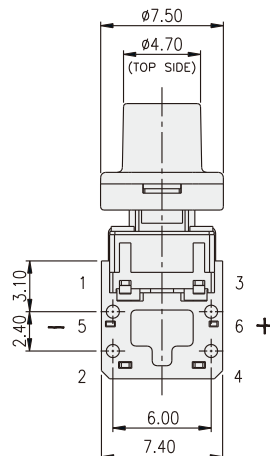
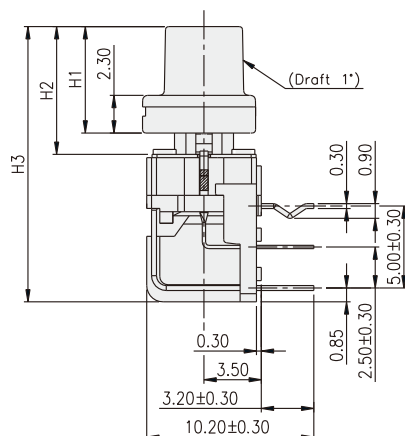


Technical drawing of a mechanical part with the following dimensions:

- Overall width: 7.00
- Overall height: 7.40
- Inner diameter: 6.80
- Top flange thickness: 0.40
- Bottom flange thickness: 0.70
- Distance from top flange to bottom flange: 4.50
- Overall height including bottom flange: 6.30
- Distance from bottom flange to base: 1.50



## P.C.B. LAYOUT



| PART NO.        | H1   | H2   | H3    |
|-----------------|------|------|-------|
| TLLA-7□□□-□-R1□ | 6.50 | 7.80 | 16.80 |
| TLLA-7□□□-□-R2□ | 8.00 | 9.30 | 18.30 |

NOTE :

|     | CAP                                                                                   |        |
|-----|---------------------------------------------------------------------------------------|--------|
|     | MARK                                                                                  | COLOR  |
| SH0 |  | SILVER |
| KH0 |                                                                                       | BLACK  |
| SH1 |  | SILVER |
| KH1 |                                                                                       | BLACK  |
| SH2 |  | SILVER |
| KH2 |                                                                                       | BLACK  |
| SH3 |  | SILVER |
| KH3 |                                                                                       | BLACK  |
| SH4 |  | SILVER |
| KH4 |                                                                                       | BLACK  |
| SH7 |  | SILVER |
| KH7 |                                                                                       | BLACK  |
| SH9 |  | SILVER |
| KH9 |                                                                                       | BLACK  |
| SHA |  | SILVER |
| KHA |                                                                                       | BLACK  |
| SHB |  | SILVER |
| KHB |                                                                                       | BLACK  |

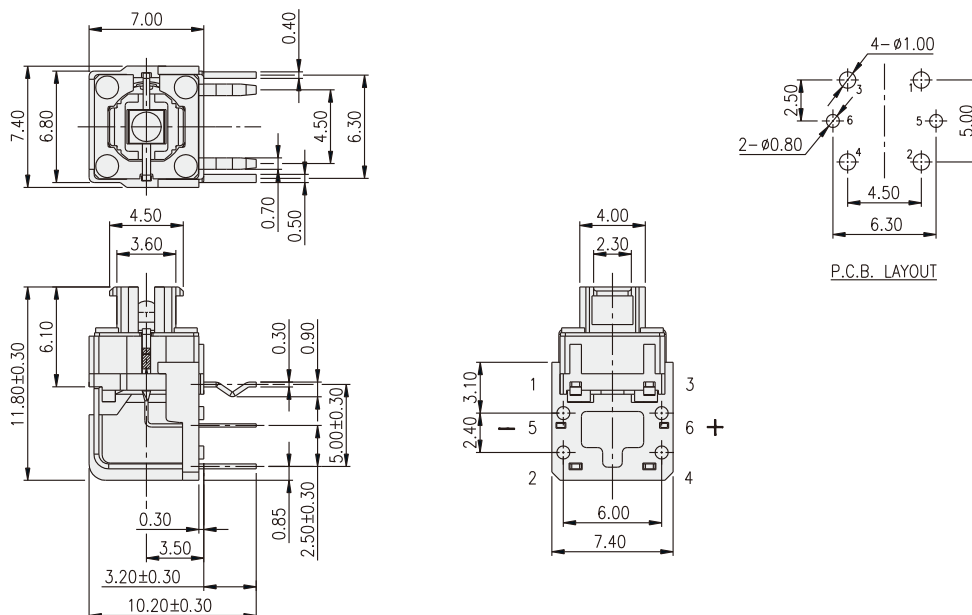
# ILLUMINATED SWITCH TL(L)A(G)-7 SERIES

**Tact Switch**  
**Illuminated**

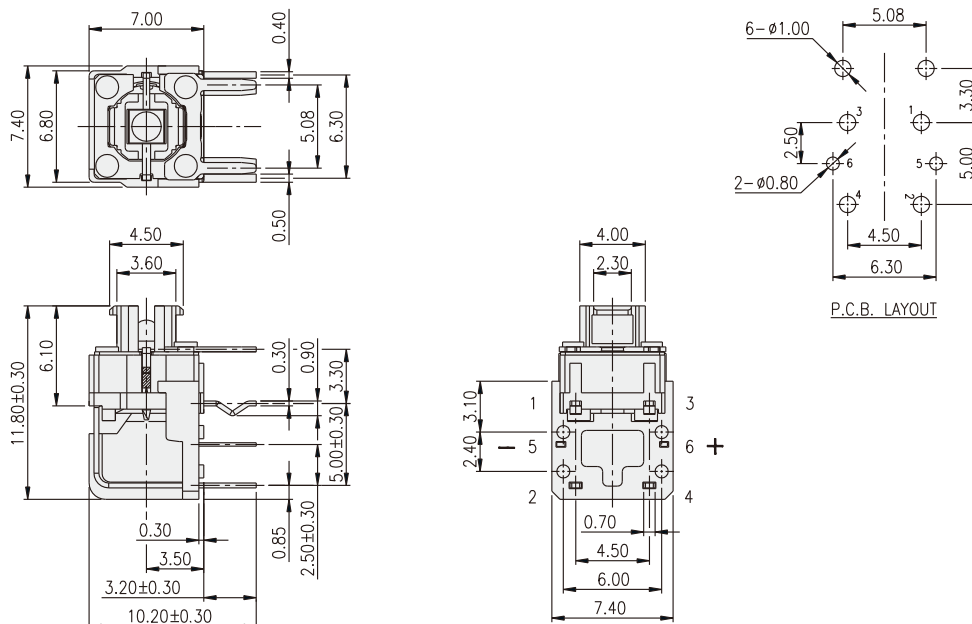


ILLUMINATED SWITCH

## TLLA-72



## TLLAG-7



## LED Color Options:

| Part No. | Color        | Dominant Wavelength<br>$\lambda_D$<br>Typ.(nm) | Luminous Intensity<br>$I_v$ (mcd) |      | Forward Voltage<br>$V_f$ (V) |      | View Angle<br>$2\theta_{1/2}$<br>(Degree) |     |
|----------|--------------|------------------------------------------------|-----------------------------------|------|------------------------------|------|-------------------------------------------|-----|
|          |              |                                                | Typ.                              |      | Typ.                         | Max. | A                                         | B   |
|          |              |                                                | A                                 | B    |                              |      |                                           |     |
| B        | Blue         | 470                                            | 70                                | 1100 | 3.0                          | 3.6  | 140°                                      | 30° |
| PG       | Pure Gree    | 520                                            | 160                               | 2500 | 3.2                          | 3.6  |                                           |     |
| G        | Yellow Green | 570                                            | 30                                | 550  | 2.0                          | 2.3  |                                           |     |
| Y        | Yellow       | 590                                            | 60                                | 1500 | 2.0                          | 2.3  |                                           |     |
| A        | Soft Orange  | 605                                            | 50                                | 1500 | 2.0                          | 2.3  |                                           |     |
| R        | Deep Red     | 640                                            | 25                                | 800  | 2.0                          | 2.3  |                                           |     |
| W        | Cold White   | X:0.30 / Y:0.30                                | 350                               | 550  | 3.0                          | 3.6  |                                           |     |