

## Excellent Integrated System Limited

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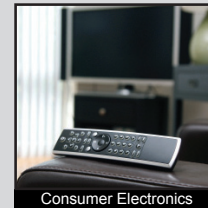
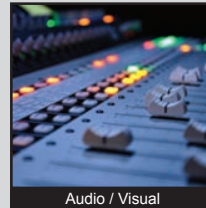
For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

# LP6 SERIES PUSHBUTTON SWITCH



## APPLICATIONS / MARKETS



**RoHS**

## SPECIFICATIONS

**Electrical Rating:** 12mA @ 12VDC  
**Mechanical Life:** 200,000 Cycles  
**Electrical Life:** 200,000 Cycles  
**Contact Resistance:** 50mΩ Max. initial  
**Insulation Resistance:** 100 MΩ Min. @ 500VDC  
**Dielectric Strength:** 500VAC  
**Operating/Storage Temperature:** -20°C to 70°C  
**Travel:** 2.20mm  
**Contact Arrangement:** SPST, DPST  
**Actuation Force:** SPST: 150 gf; DPST: 200 gf

## FEATURES & BENEFITS

- Single pole or double pole functions
- 15mm square, sculptured cap
- Multiple color options including RGB color

## PART NUMBER CONFIGURATOR

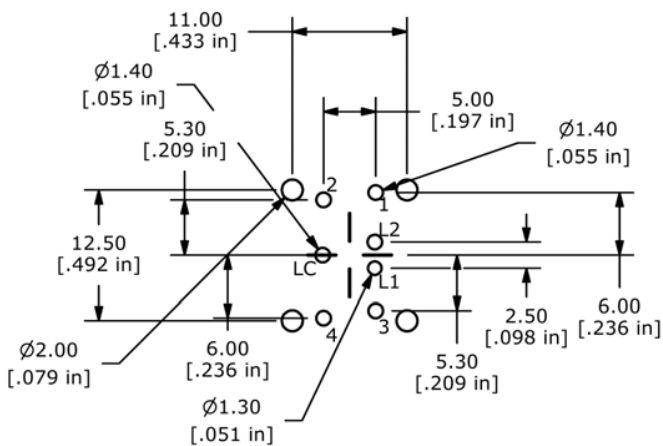
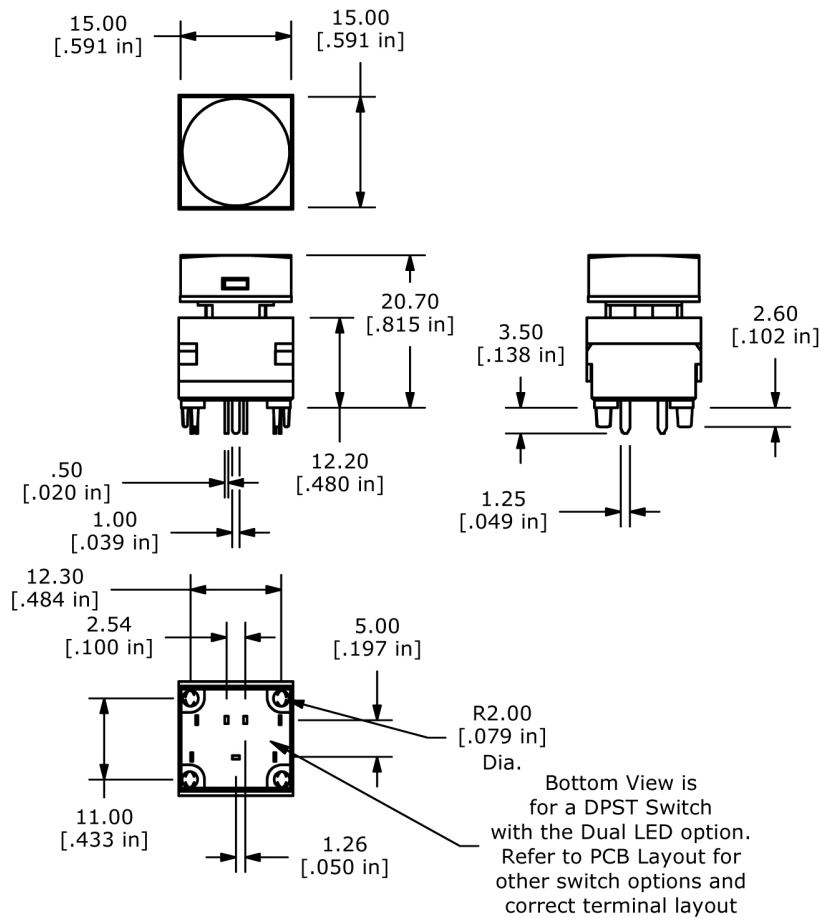
| Series                           | Mechanical Configuration                    | Circuit Options                                          | Cap Size Options                             | Cap Configuration Options                   | LED Color Options*                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------|---------------------------------------------|----------------------------------------------------------|----------------------------------------------|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="text" value="LP6"/> | <input type="text" value="OA - Momentary"/> | <input type="text" value="1 - SPST&lt;br/&gt;2 - DPST"/> | <input type="text" value="A - 15mm square"/> | <input type="text" value="S - Sculptured"/> | <input type="text" value="RR - Red-Red&lt;br/&gt;RG - Red-Green&lt;br/&gt;RB - Red-Blue&lt;br/&gt;RY - Red-Yellow&lt;br/&gt;RW - Red-White&lt;br/&gt;BB - Blue-Blue&lt;br/&gt;BW - Blue-White&lt;br/&gt;GG - Green-Green&lt;br/&gt;GB - Green-Blue&lt;br/&gt;GW - Green-White&lt;br/&gt;YY - Yellow-Yellow&lt;br/&gt;YG - Yellow-Green&lt;br/&gt;YB - Yellow-Blue&lt;br/&gt;YW - Yellow-White&lt;br/&gt;WW - White-White&lt;br/&gt;RGB - Red-Green-Blue"/> |

\* Please refer to individual part number drawings for LED specifications.

*Specifications subject to change without notice*

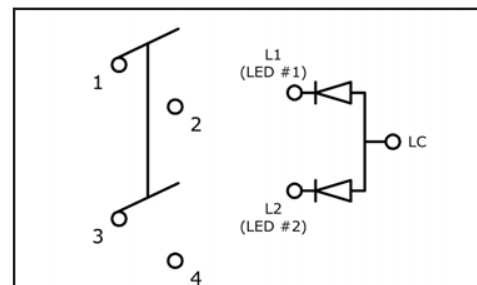
# LP6 SERIES PUSHBUTTON SWITCH

## BODY DIMENSIONS DUAL LED



PCB Layout  
Dual LED  
DPST with Dual LED Layout is Shown  
For SPST holes 3 & 4 are not required.

### PCB LAYOUT



DPST with Dual LED Circuit is shown  
For SPST the circuit 3, 4 is not included

### SCHEMATIC

# LP6 SERIES PUSHBUTTON SWITCH

## BODY DIMENSIONS RGB LED

