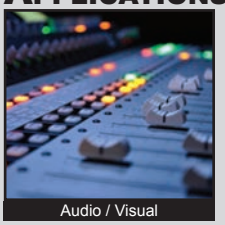
ULP Series Pushbutton Switch

Applications / Markets


Audio / Visual

Consumer Electronics

Vending Machines

Kiosks

Instrumentation

Medical Equipment

RoHS

Specifications

Electrical Rating: Silver: .5A @ 25VDC
Gold: .4VA Max @ 28V (AC or DC)
Mechanical Life: 1,000,000 Cycles
Electrical Life: 200,000 Cycles
Contact Resistance: Silver: 50mΩ Max. initial
Gold: 100mΩ Max. initial
Insulation Resistance: 100 MΩ Min. @ 500VDC
Dielectric Strength: 2,000VAC
Operating/Storage Temperature: -20°C to 70°C
Travel: 2.20mm
Contact Arrangement: SPDT, DPDT
Actuation Force: SPDT: 200gf; DPDT: 300 gf
Panel Thickness: 0.75-3.0mm (panel mount version only)

Features & Benefits

- **Single pole or double pole functions**
- **Multiple color options including RGB color**
- **Multiple cap color and style options**
- **PC pin or solder lug termination**
- **Latching or momentary options**
- **Gold or silver contact material**

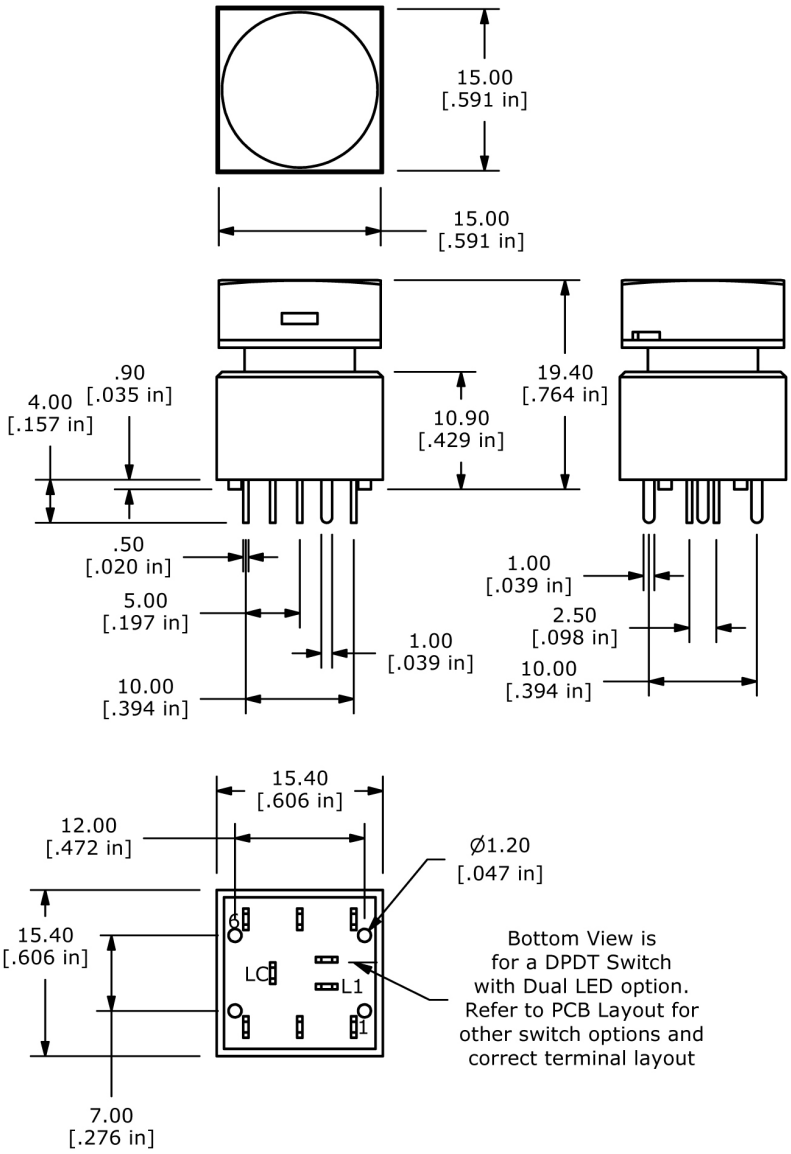
Part Number Configurator

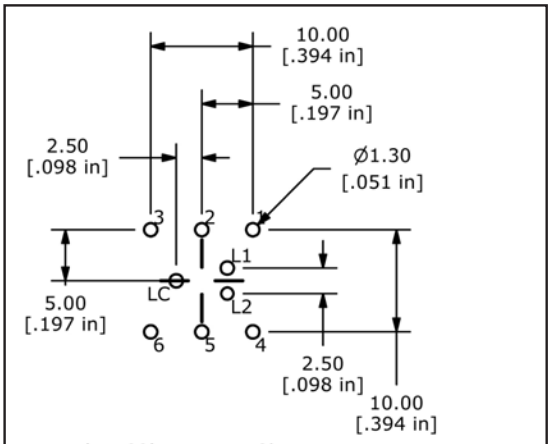
Series	Circuit Options	Mechanical Configuration Options	Termination Options	Contact Material Options	Cap Style Options	Cap Color Options	LED #1 Options	LED #2 Options
☐☐☐	☐☐	☐☐	☐☐	☐	☐☐	☐☐☐	☐	☐
ULP	**12**- SPDT **22** - DPDT	**EE** - Latching **OA** - Momentary	**P1** - PC Pins **M1**- Solder Lug	**Q** - Silver **R** - Gold	**SS** - Square Sculptured **SF** - Square Flat **RF** - Rectangular Flat **PM** - Panel Mount **LS** - Large Sculptured	**CL1** - Clear Lens / White Diffuser **OP1** - Black Opaque	**NIL** - No LED **B** - Blue **G** - Green **R** - Red **Y** - Yellow **RGB** - Red-Blue-Green	**NIL** - No LED **B** - Blue **G** - Green **R** - Red **Y** - Yellow

NOTES:
1) M1 Termination is only available with Panel Mount Cap Style
2) P1 Termination is not available with Panel Mount cap Style
3) OP1 Cap Color (black opaque) is not available with LEDs
4) When ordering RGB LED option, no designation is required for LED#2

Specifications subject to change without notice

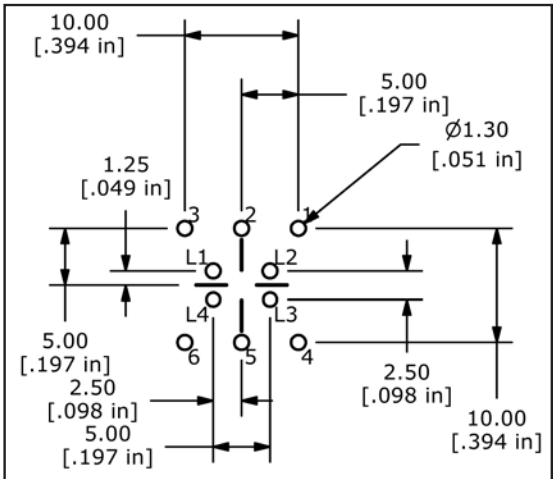
Actuator Options - Square Sculptured





DPDT (ULP22) Layout is Shown
For SPDT (ULP11) holes 4, 5, & 6 are not required.
For Single LED option, hole L2 is not required
For No LED option, holes L1, L2, & LC are not required

PCB Layout - Dual LED



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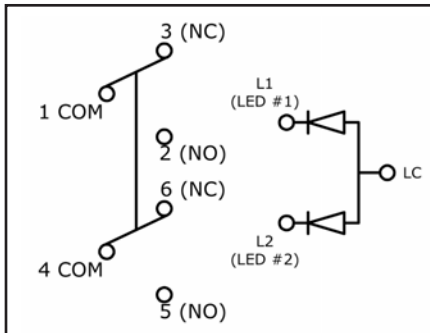
PCB Layout - RGB LED



DPDT with Dual LED Circuit is shown
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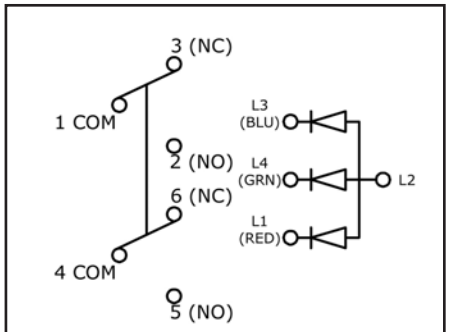
Schematic - Dual LED



DPDT with RGB LED Circuit is shown
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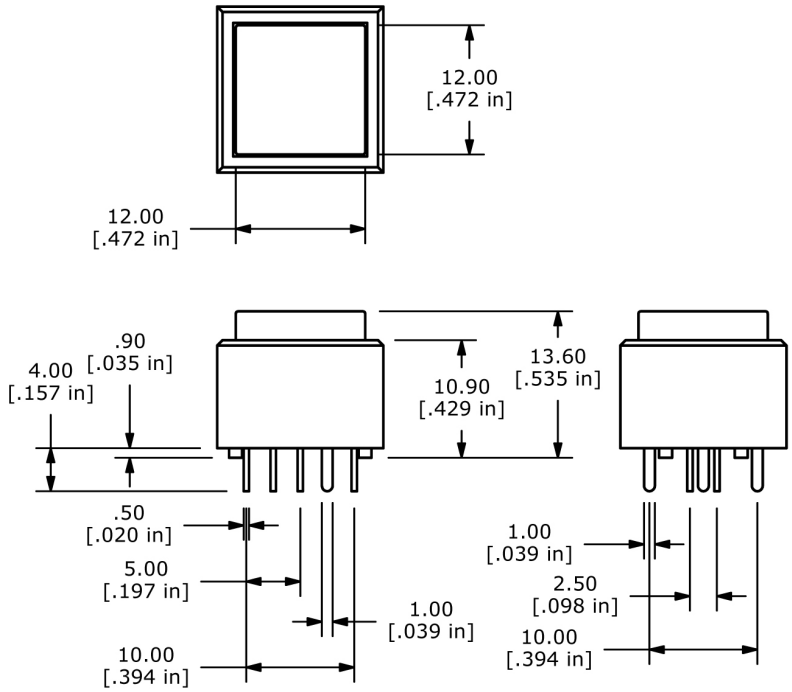
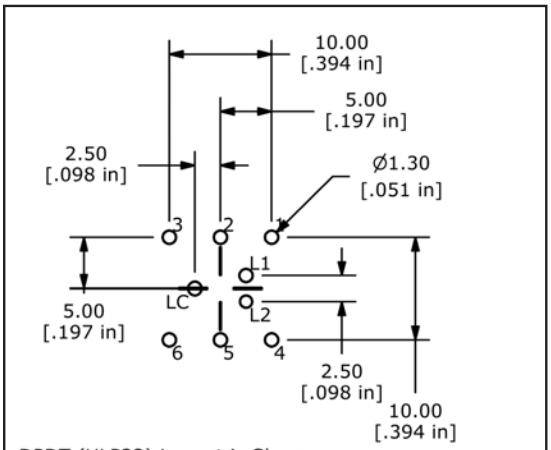
Schematic - RGB LED

ACTUATOR OPTIONS - SQUARE FLAT





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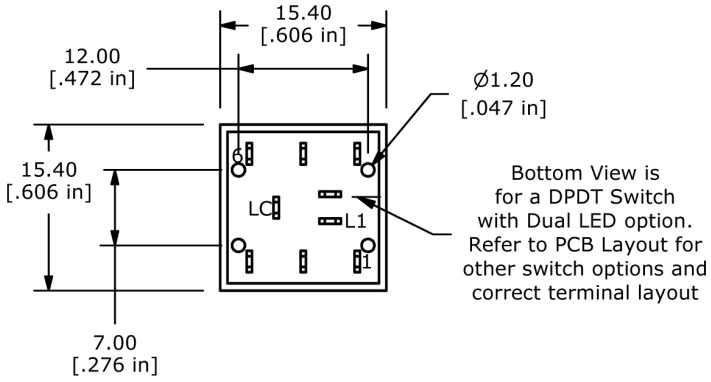
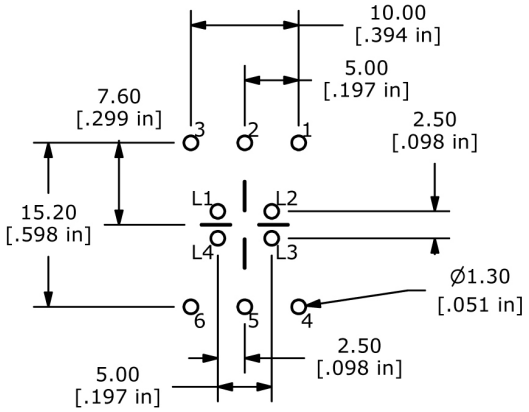
PCB LAYOUT - DUAL LED



Bottom View is
for a DPDT Switch
with Dual LED option.
Refer to PCB Layout for
other switch options and
correct terminal layout



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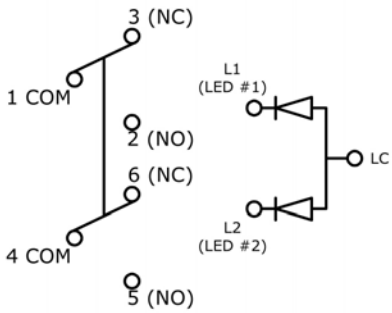
PCB LAYOUT - RGB LED



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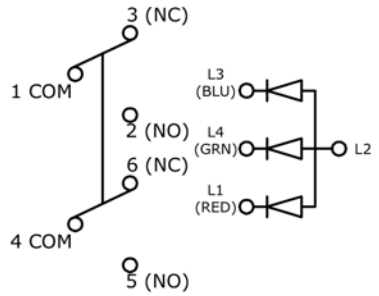
SCHEMATIC - DUAL LED



DPDT with RGB LED Circuit is shown
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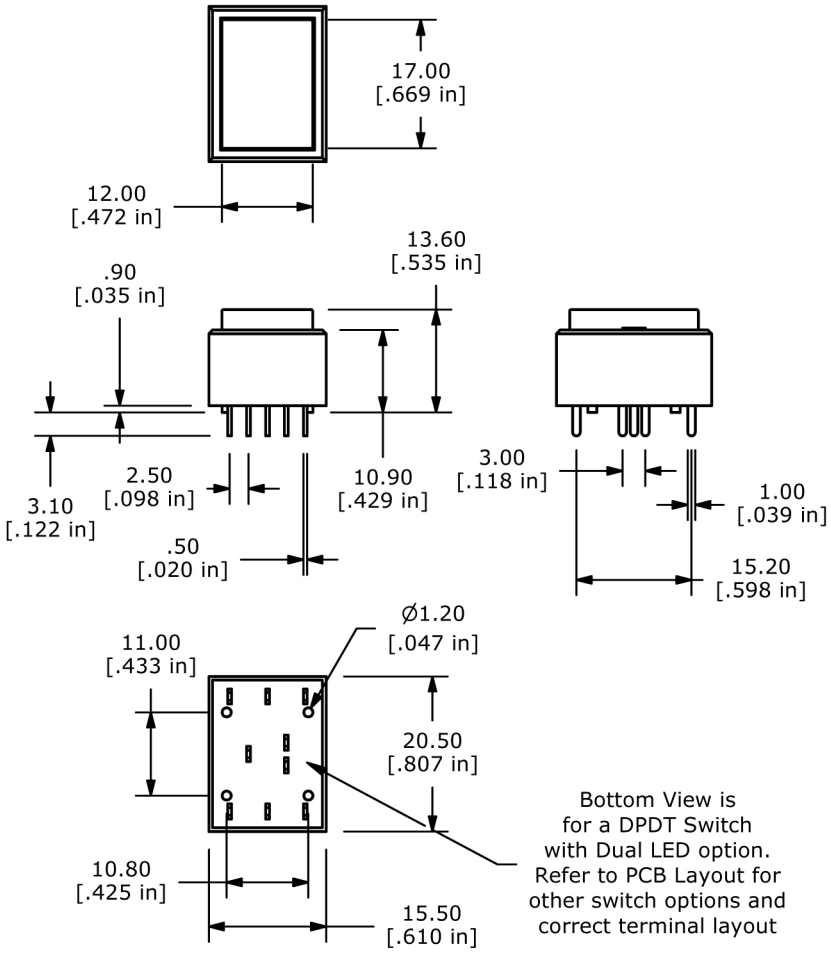
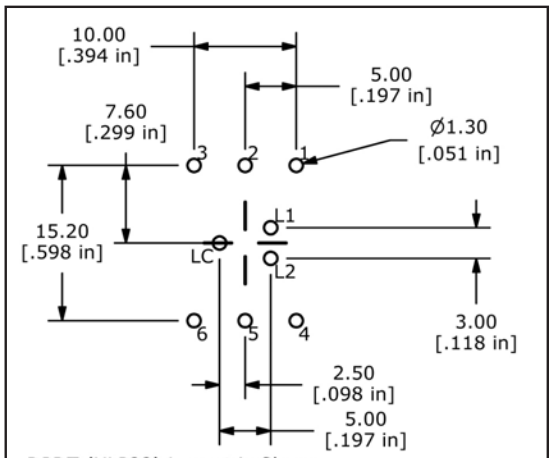
SCHEMATIC - RGB LED

Actuator Options - Rectangular Flat



Bottom View is for a DPDT Switch with Dual LED option. Refer to PCB Layout for other switch options and correct terminal layout



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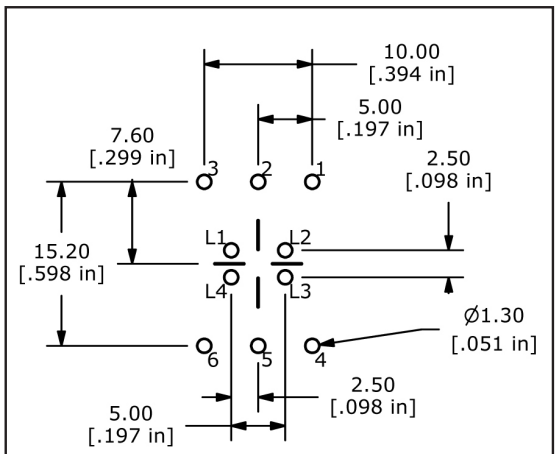
PCB Layout - Dual LED



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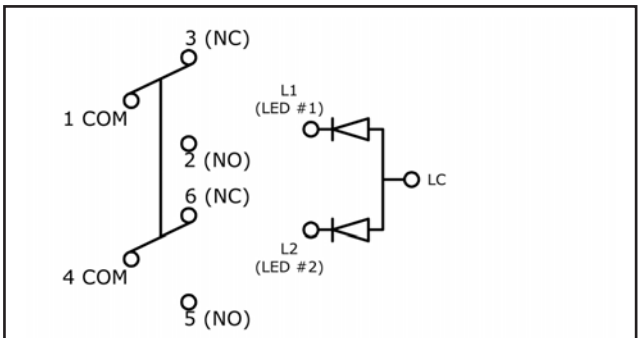
PCB Layout - RGB LED



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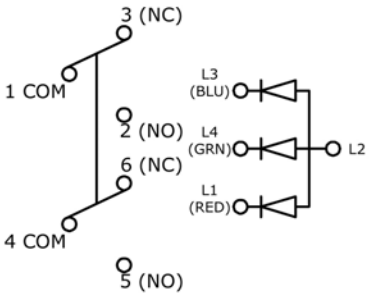
Schematic - Dual LED



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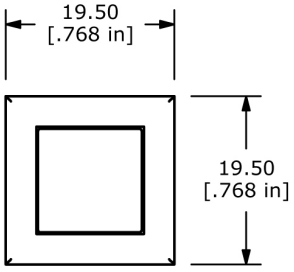
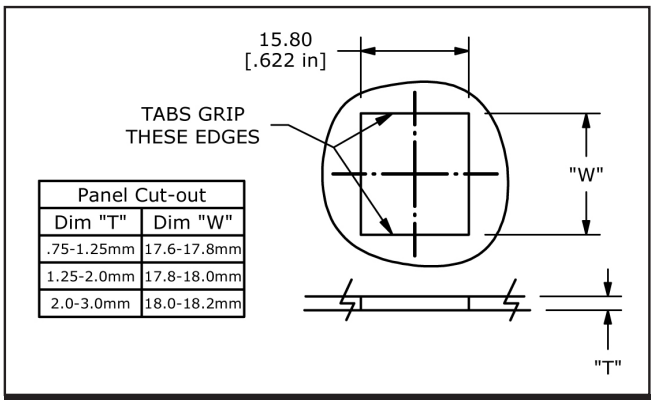
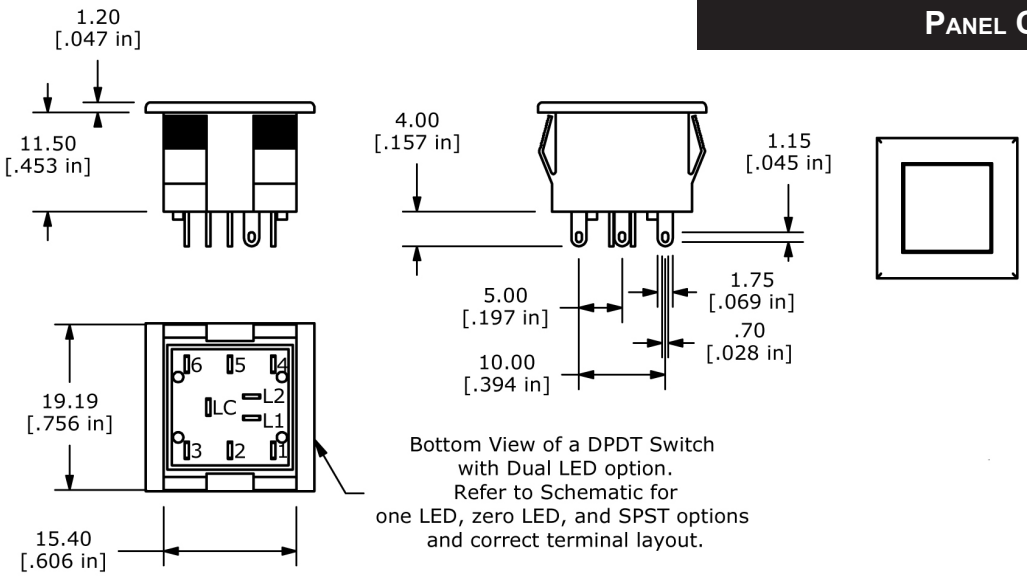
Schematic - RGB LED

ACTUATOR OPTIONS - PANEL MOUNT





PANEL CUTOUT



Bottom View of a DPDT Switch
with Dual LED option.
Refer to Schematic for
one LED, zero LED, and SPST options
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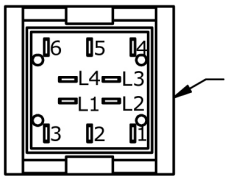

Bottom View of a DPDT Switch
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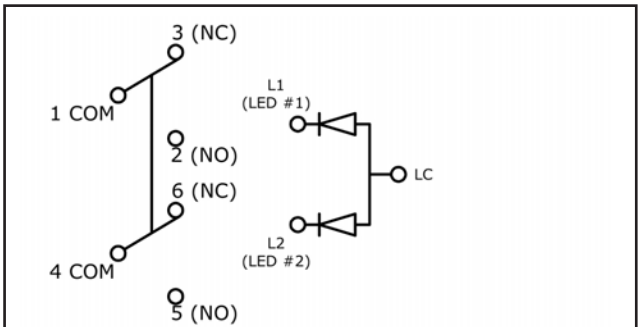

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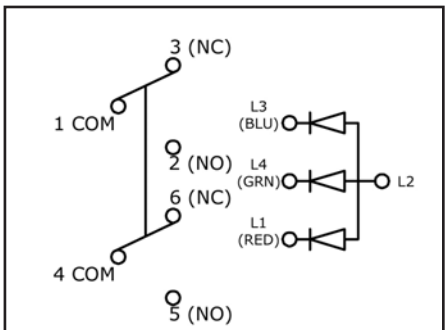
SCHEMATIC - DUAL LED



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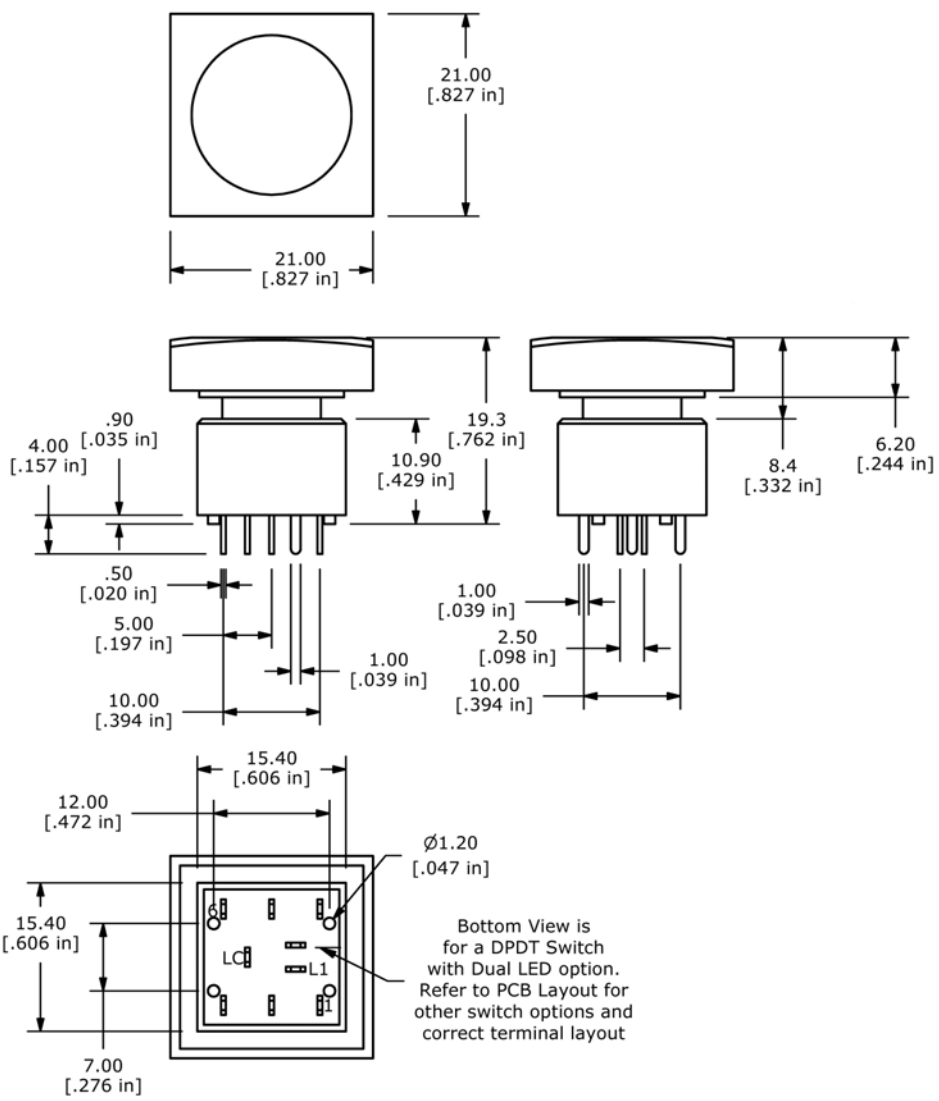
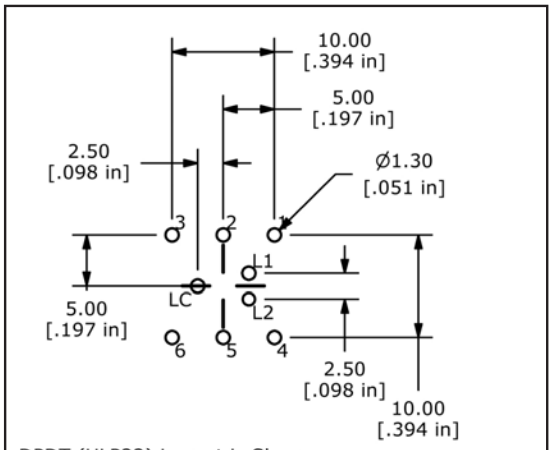
SCHEMATIC - RGB LED

Actuator Options - Large Sculptured





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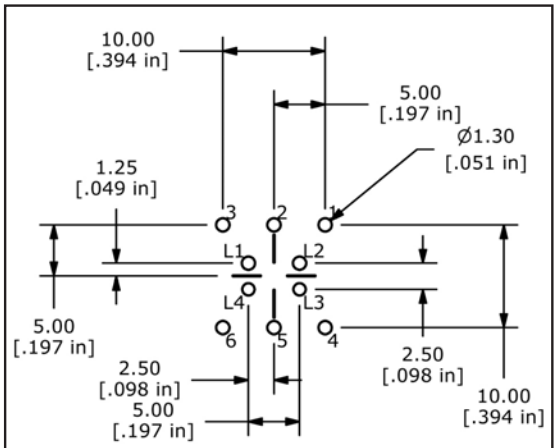

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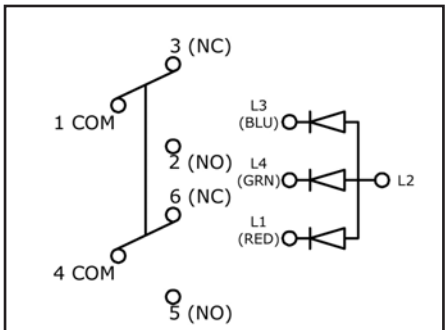

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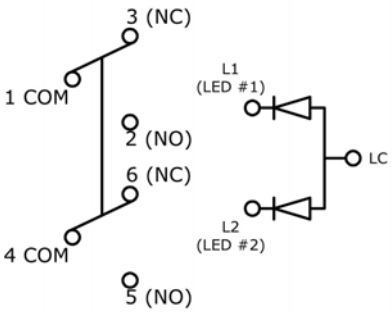
Schematic - RGB LED



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Schematic - Dual LED

LifeElectronics
Живое партнерство

ООО «ЛайфЭлектроникс» **“LifeElectronics” LLC**

ИНН 7805602321 КПП 780501001 Р/С 40702810122510004610 ФАКБ "АБСОЛЮТ БАНК" (ЗАО) в г.Санкт-Петербурге К/С 30101810900000000703 БИК 044030703

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- *Конкурентоспособные цены и скидки постоянным клиентам.*
- *Специальные условия для постоянных клиентов.*
- *Подбор аналогов.*
- *Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.*

- *Приемлемые сроки поставки, возможна ускоренная поставка.*
- *Доставку товара в любую точку России и стран СНГ.*
- *Комплексную поставку.*
- *Работу по проектам и поставку образцов.*
- *Формирование склада под заказчика.*

- *Сертификаты соответствия на поставляемую продукцию (по желанию клиента).*
- *Тестирование поставляемой продукции.*
- *Поставку компонентов, требующих военную и космическую приемку.*
- *Входной контроль качества.*
- *Наличие сертификата ISO.*

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- *Регистрацию проекта у производителя компонентов.*
- *Техническую поддержку проекта.*
- *Защиту от снятия компонента с производства.*
- *Оценку стоимости проекта по компонентам.*
- *Изготовление тестовой платы монтаж и пусконаладочные работы.*

Тел: +7 (812) 336 43 04 (многоканальный)
Email: org@lifeelectronics.ru

www.lifeelectronics.ru