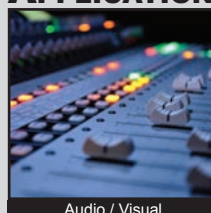


ULP SERIES PUSHBUTTON SWITCH

ANTI-VANDAL SWITCHES
DETECTOR SWITCHES
DIP SWITCHES
KEYLOCK SWITCHES
NAVIGATION SWITCHES
PUSHBUTTON SWITCHES
ROCKER SWITCHES
ROTARY SWITCHES
SLIDE SWITCHES
SNAP ACTION SWITCHES
TACTILE SWITCHES
TOGGLE SWITCHES
CAP OPTIONS



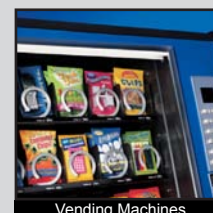
APPLICATIONS / MARKETS



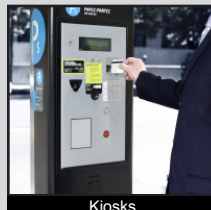
Audio / Visual



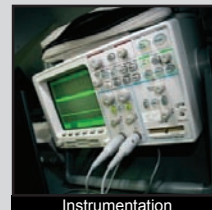
Consumer Electronics



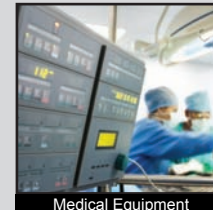
Vending Machines



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



E-SWITCH®

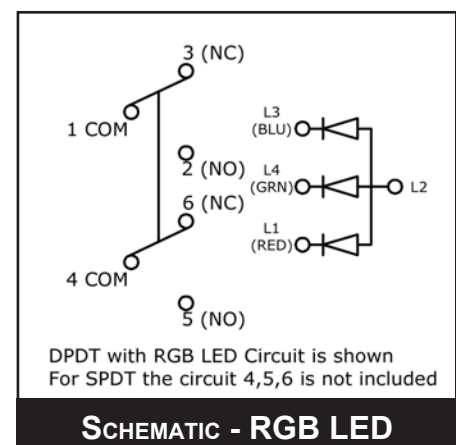
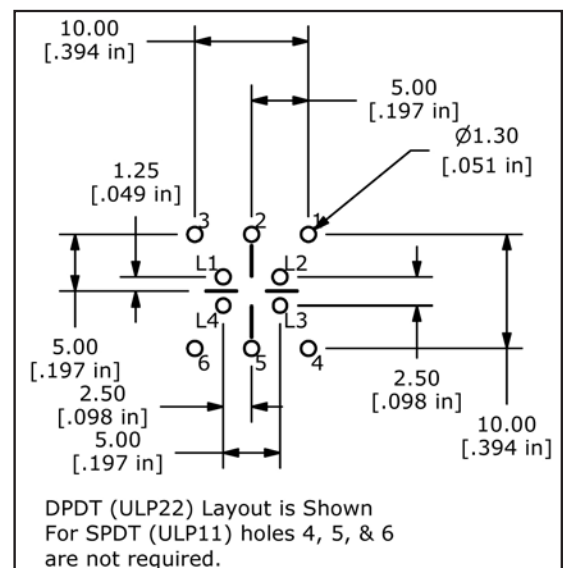
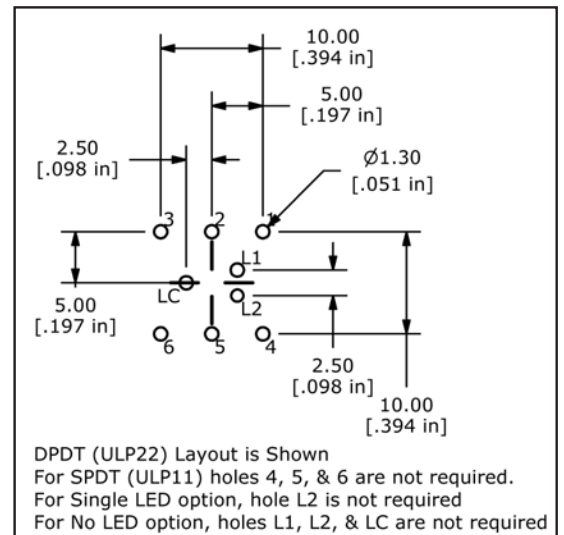
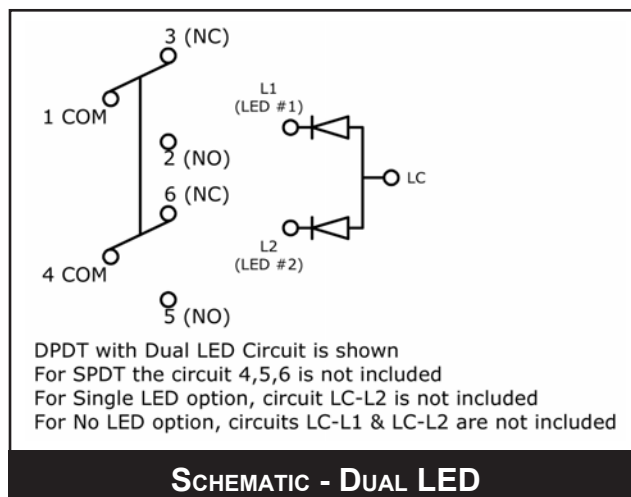
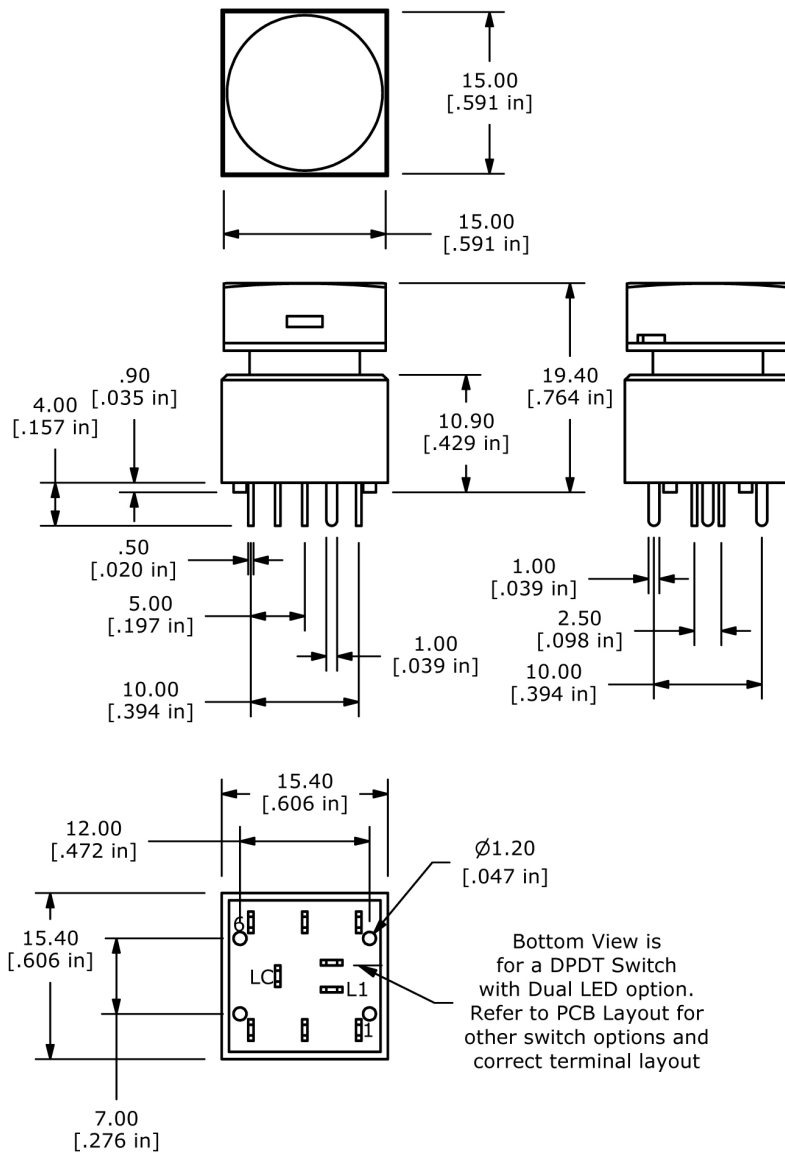
www.e-switch.com

800.867.2717

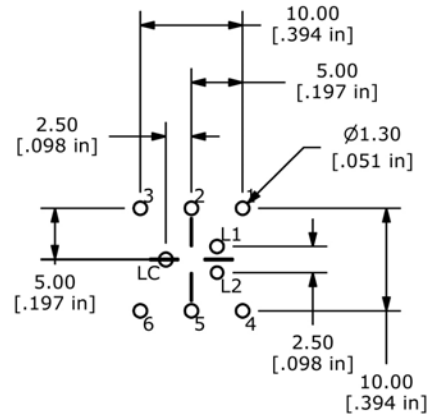
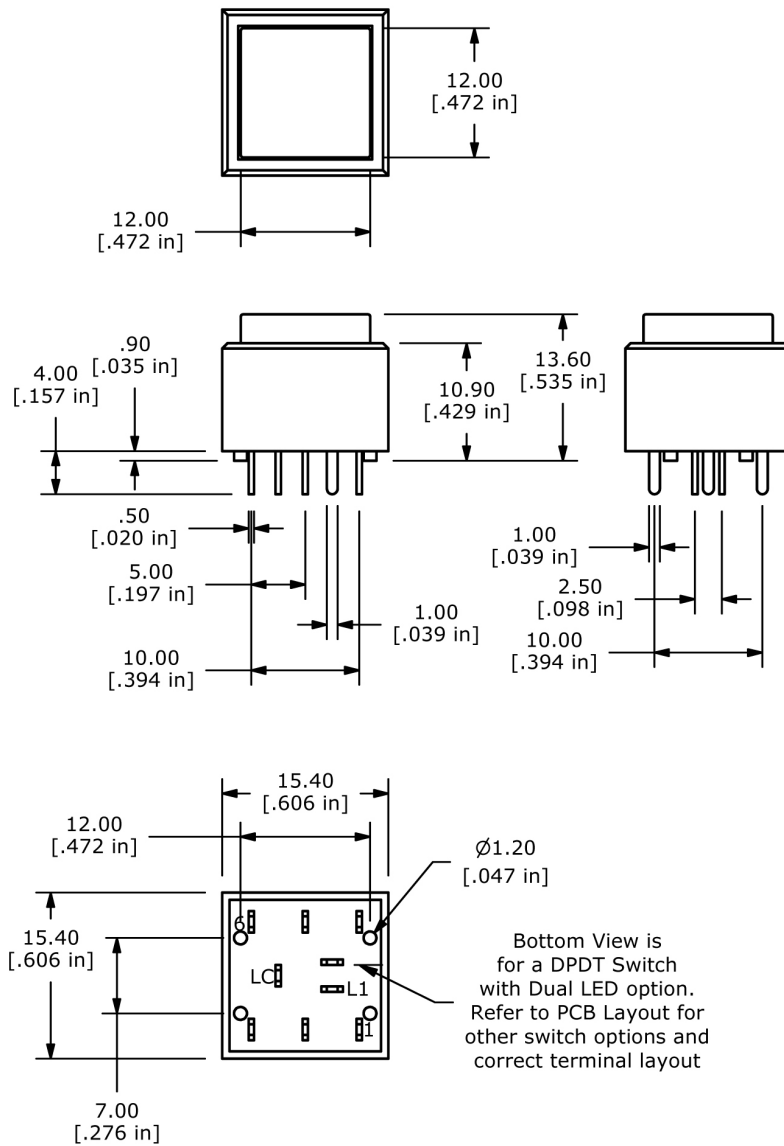
2

ULP SERIES PUSHBUTTON SWITCH

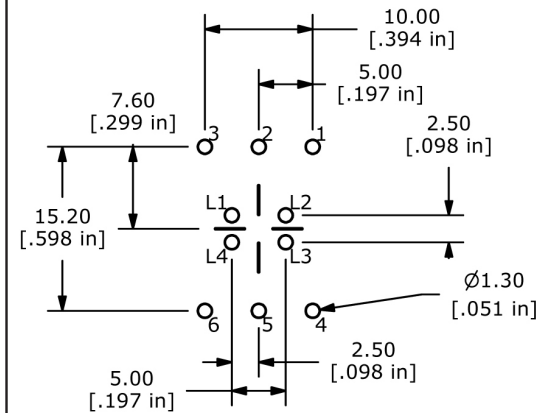
ACTUATOR OPTIONS - SQUARE SCULPTURED



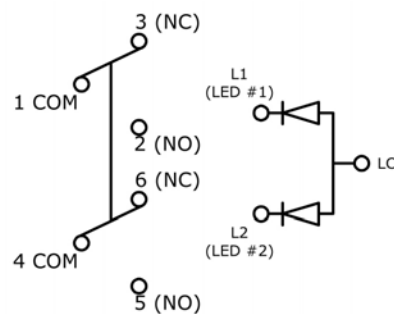
ACTUATOR OPTIONS - SQUARE FLAT



PCB LAYOUT - DUAL LED

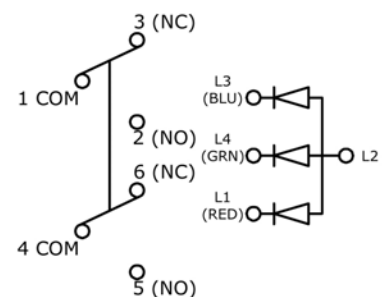


PCB LAYOUT - RGB LED



DPDT with Dual LED Circuit is shown
For SPDT the circuit 4,5,6 is not included
For Single LED option, circuit LC-L2 is not included
For No LED option, circuits LC-L1 & LC-L2 are not included

SCHEMATIC - DUAL LED



DPDT with RGB LED Circuit is shown
For SPDT the circuit 4,5,6 is not included

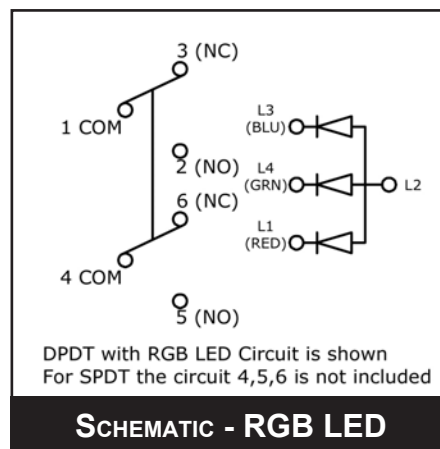
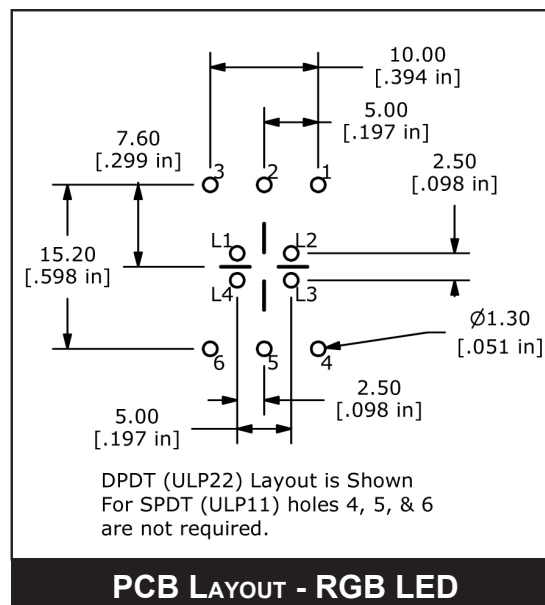
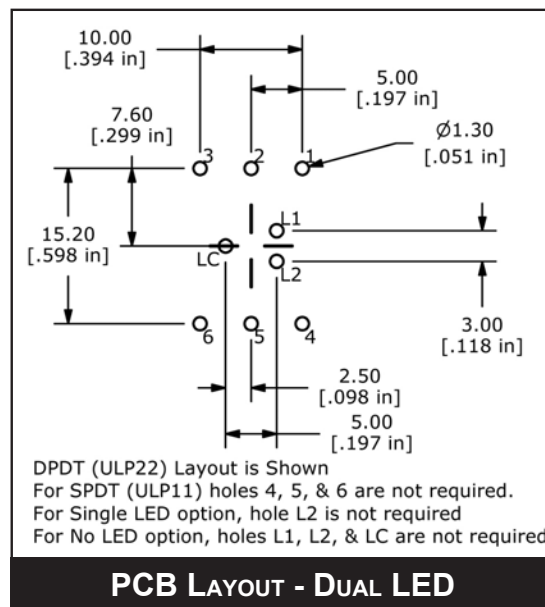
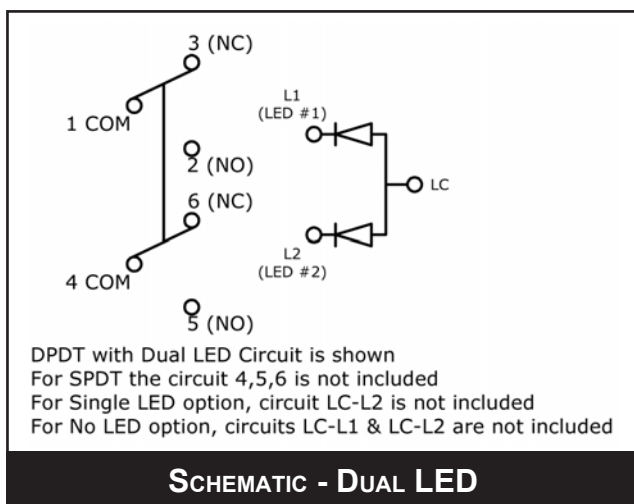
SCHEMATIC - RGB LED



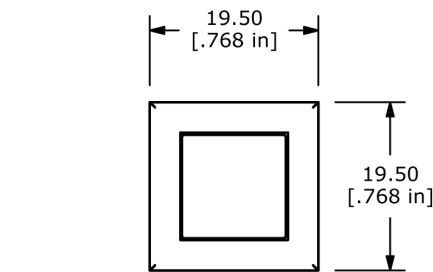
The drawing consists of three views of the DPDT Switch:

- Top View:** Shows a rectangular footprint with a width of 12.00 [.472 in] and a height of 17.00 [.669 in].
- Side View (Left):** Shows the profile of the switch with a total height of 13.60 [.535 in]. The mounting tab has a width of .90 [.035 in]. The base has a width of 10.90 [.429 in] and a height of 3.10 [.122 in]. The terminal pins are spaced 2.50 [.098 in] apart and have a diameter of .50 [.020 in].
- Side View (Right):** Shows the profile of the switch with a total height of 3.00 [.118 in]. The base has a width of 15.20 [.598 in] and a height of 1.00 [.039 in].
- Bottom View:** Shows the underside of the switch with a square footprint of 15.50 [.610 in] by 20.50 [.807 in]. The mounting tab has a diameter of $\varnothing 1.20$ [.047 in]. The terminal pins are spaced 10.80 [.425 in] apart and have a diameter of 11.00 [.433 in].

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

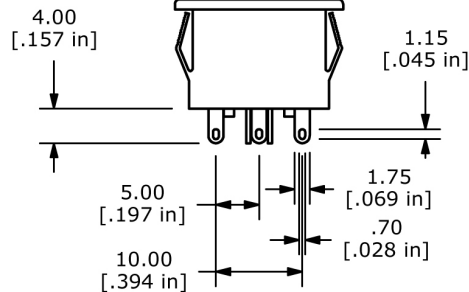
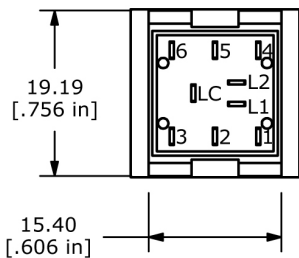
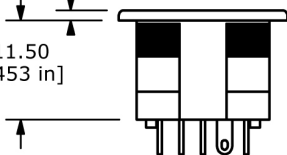


ACTUATOR OPTIONS - PANEL MOUNT

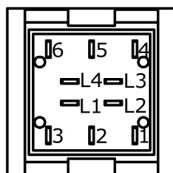


1.20
[.047 in]

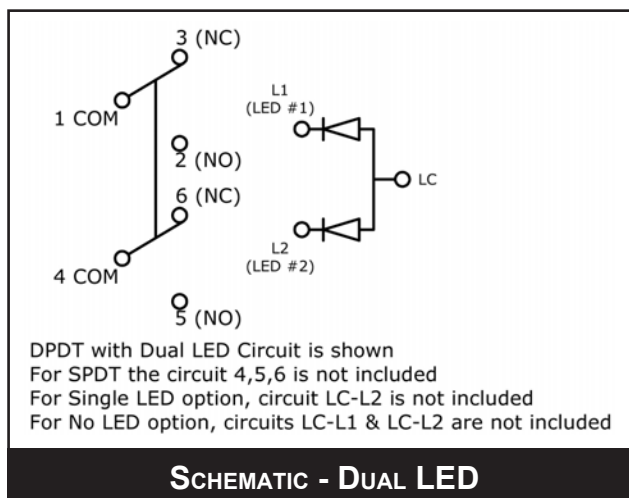
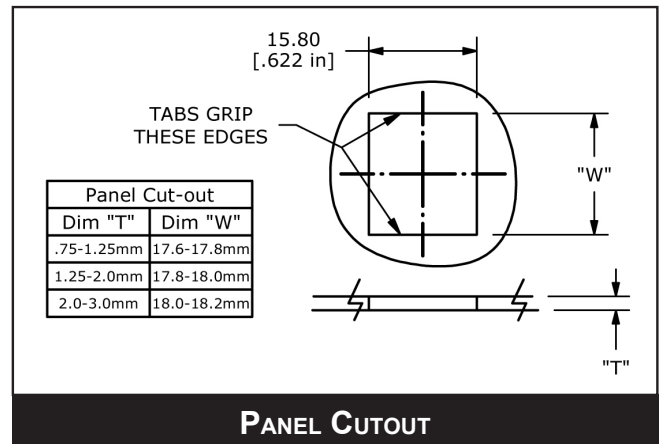
11.50
[.453 in]



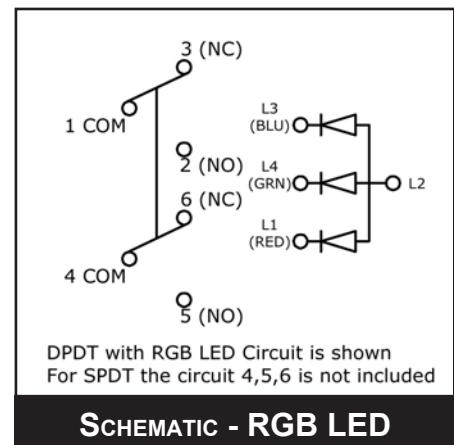
Bottom View of a DPDT Switch
with Dual LED option.
Refer to Schematic for
one LED, zero LED, and SPST options
and correct terminal layout.



Bottom View of a DPDT Switch
with RGB LED option.
Refer to Schematic for SPST option
and correct terminal layout.



SCHEMATIC - DUAL LED

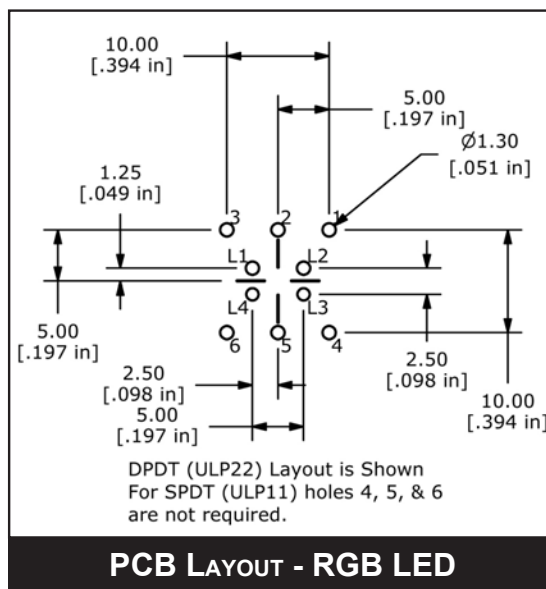
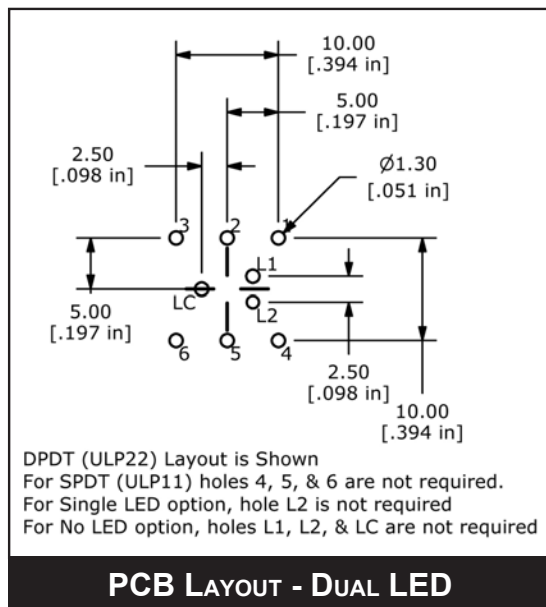
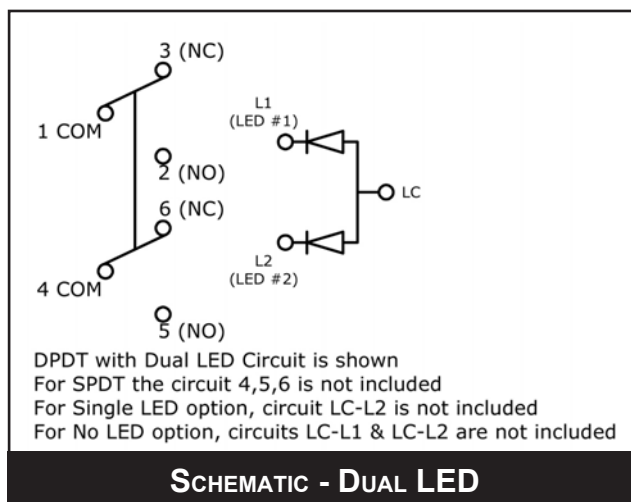
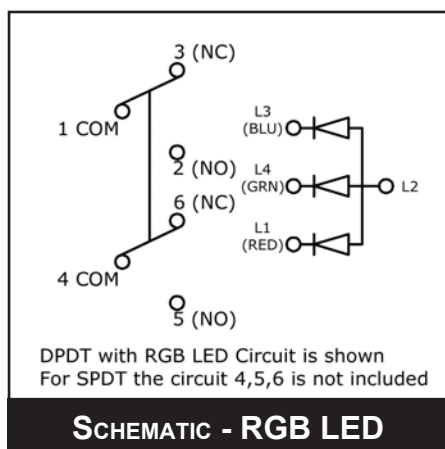
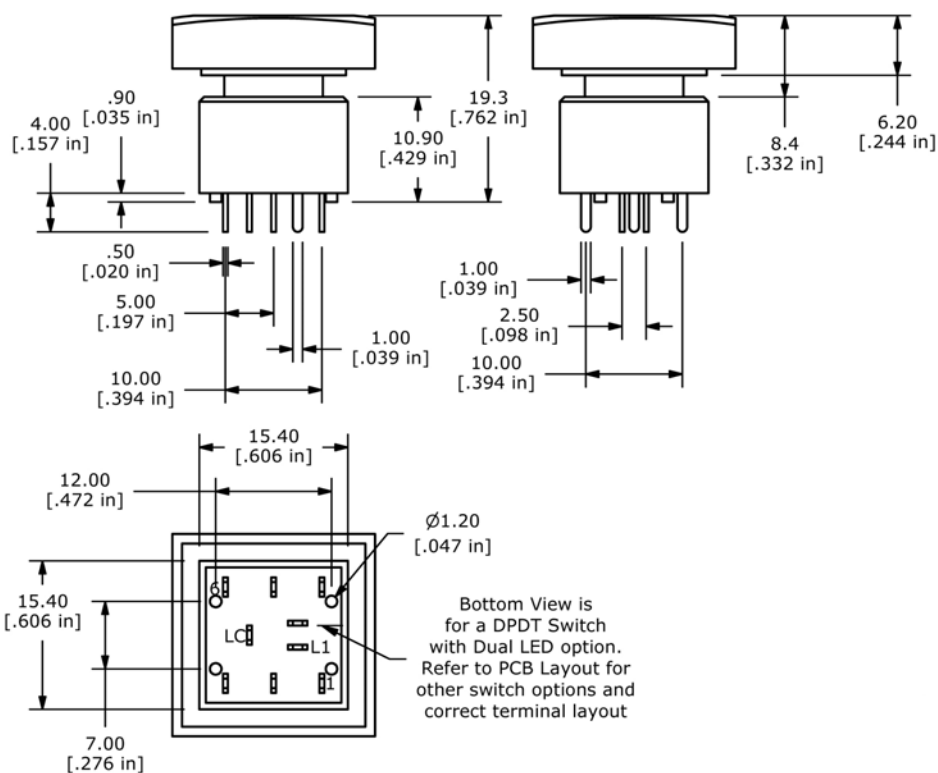
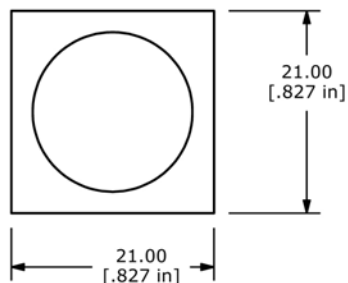


SCHEMATIC - RGB LED



ULP SERIES PUSHBUTTON SWITCH

ACTUATOR OPTIONS - LARGE SCULPTURED



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.

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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.



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Email: org@lifeelectronics.ru

www.lifeelectronics.ru