

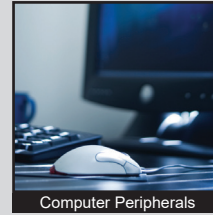
TL1220 SERIES TACT SWITCH



APPLICATIONS / MARKETS



Audio / Visual



Computer Peripherals



Consumer Electronics



Instrumentation



Telecommunication



Medical Equipment

RoHS

SPECIFICATIONS

Electrical Rating: 50mA @ 12VDC
Life Expectancy: 500,000 cycles
Contact Resistance: 100mΩ @ 1.5 VDC Max. Initial
Insulation Resistance: 100 MΩ Min. at 500VAC
Dielectric Strength: 500VAC for 1 min.
Operating Temperature: -20°C to 70°C
Operating Force: 180 gf ± 50gf
Travel: 0.20mm ± 0.1mm
Contact Arrangement: SPST

FEATURES & BENEFITS

- Multiple illuminated cap options
- Single color and bi-color LED options
- Sharp tactile response

PART NUMBER CONFIGURATOR

Series	Button	Bezel	Bezel Color	Button Color	LED Color	Graphic
TL 1 2 2 0	N 1	N	N	N	N	N
TL1220	N - No Button S1 - 7.5mm sq. short S2 - 7.5mm sq. tall S3 - 10x14 rect.* S4 - 10x19 rect.* S5 - 12mm sq. * (W-tran. white only) S6 - 9.6x13.7 rect.* (T-tran. green only) R1 - 7.0mm dia. R2 - 8.0mm dia. R3 - 10.0mm dia. R4 - 13.0mm dia. w/ I/O* R5 - 8.0mm dia. (W-tran. white only)****	N - No Bezel B - With Bezel	N - No Bezel B - Black G - Gray	N - No Button B - Black G - Gray R - Red S - Silver W - Translucent White** T - Translucent Green***	N - No LED R - Red G - Green Y - Yellow B - Blue W - White RG - Red-Green RY - Red-Yellow RB - Red-Blue YG - Yellow-Green YB - Yellow-Blue GB - Green-Blue	N - No Graphic

* The S3, S4, S5, S6 and R4 buttons are not available with bezel options.

** W-Translucent white is only available with R5 and S5 buttons

*** T-Translucent green is only available with S6 button

**** R5 is only available with bezel option

Specifications subject to change without notice 9.27.2018



E-SWITCH®

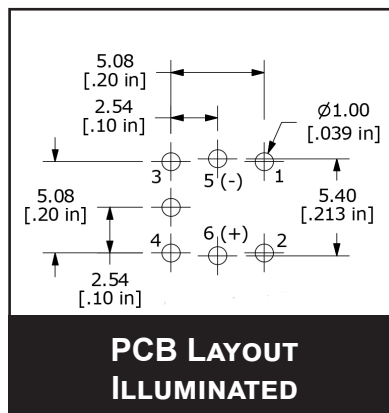
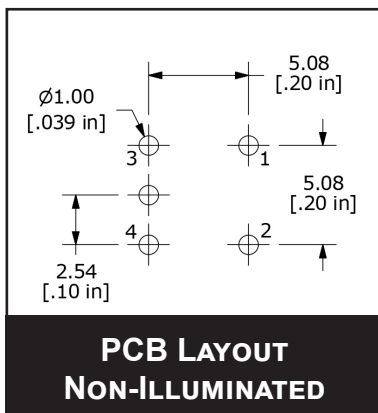
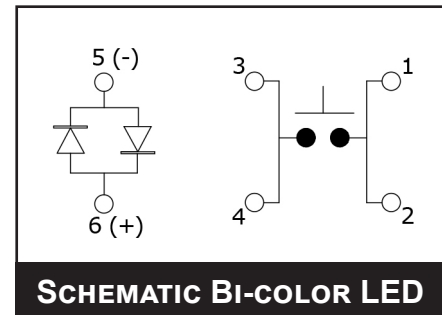
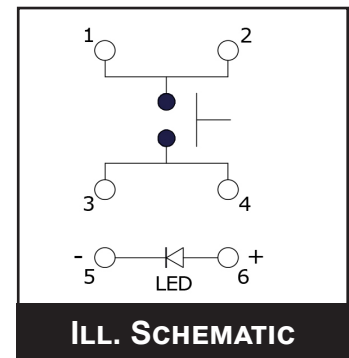
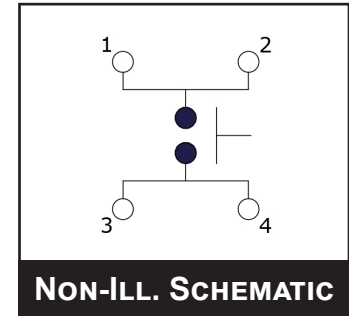
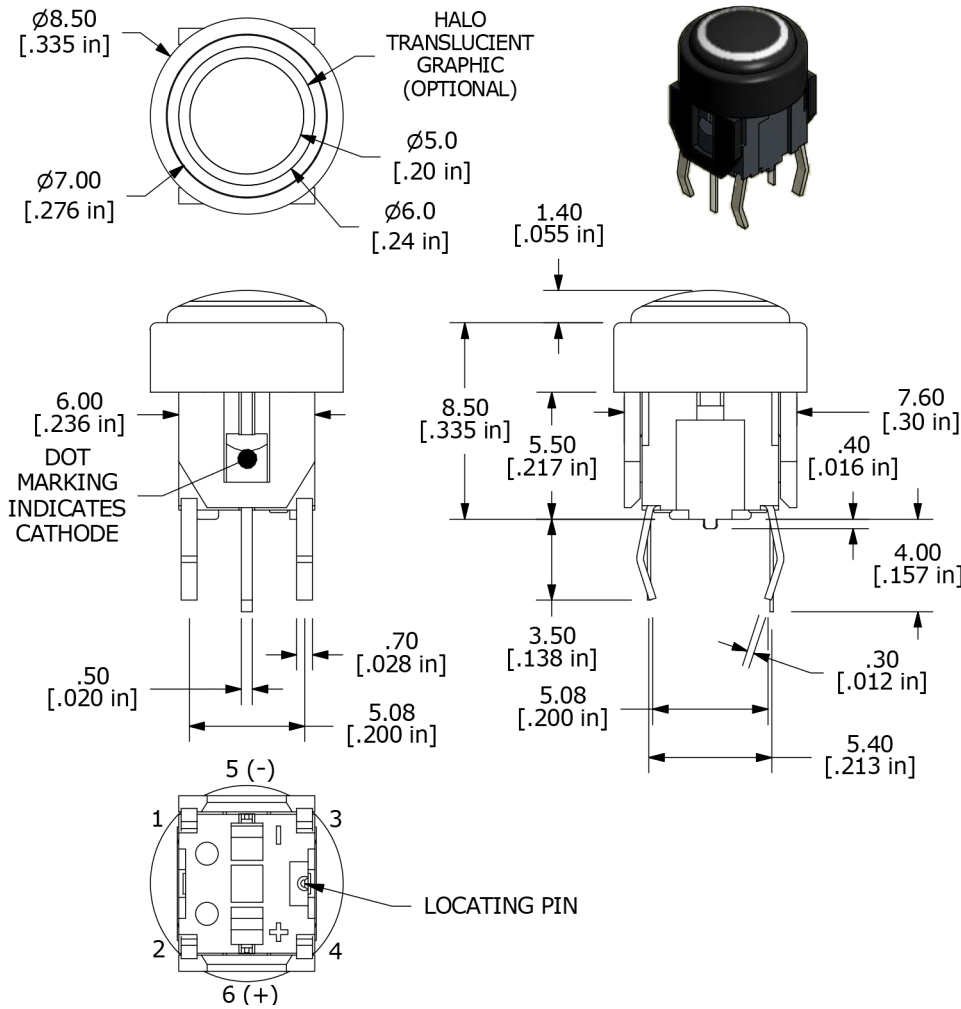
www.e-switch.com

800.867.2717

1

TL1220 SERIES TACT SWITCH

R1 BUTTON - 7MM DIA.



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2

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

Technical drawing of the 12-LED 16-pin DIP package, showing top, side, and bottom views with dimensions in inches and millimeters.

Top View Dimensions:

- Outer Diameter: $\varnothing 10.00$ [.394 in]
- Inner Diameter: $\varnothing 8.00$ [.315 in]
- LED Diameter: $\varnothing 5.8$ [.23 in]
- LED Pitch: $\varnothing 7.0$ [.28 in]
- Halo Translucent Graphic (Optional): 1.40 [.055 in]

Side View Dimensions:

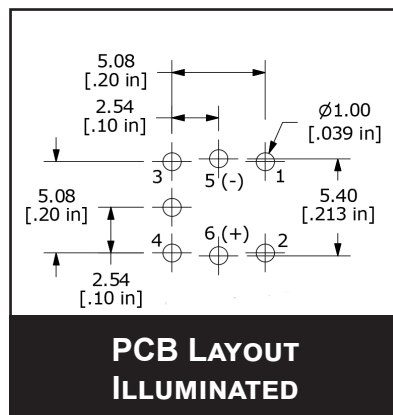
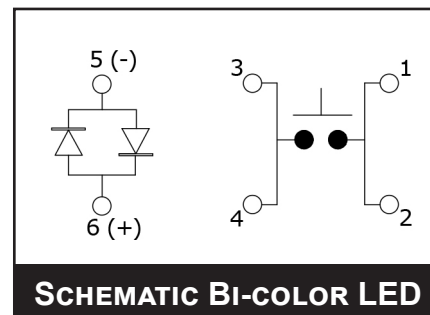
- Package Height: 8.50 [.335 in]
- Base Width: 6.00 [.236 in]
- Base Thickness: .40 [.016 in]
- Base to LED Center: 5.50 [.217 in]
- Base to LED Center (Alternative): 3.50 [.138 in]
- Base to LED Center (Alternative): 5.08 [.200 in]
- Base to LED Center (Alternative): 5.40 [.213 in]
- Base to LED Center (Alternative): 5.08 [.200 in]
- Base to LED Center (Alternative): .30 [.012 in]
- Base to LED Center (Alternative): 4.00 [.157 in]
- Base to LED Center (Alternative): 7.60 [.30 in]

Bottom View Dimensions:

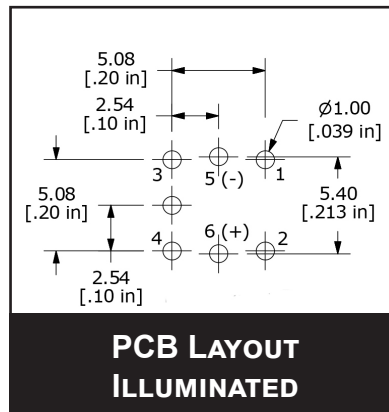
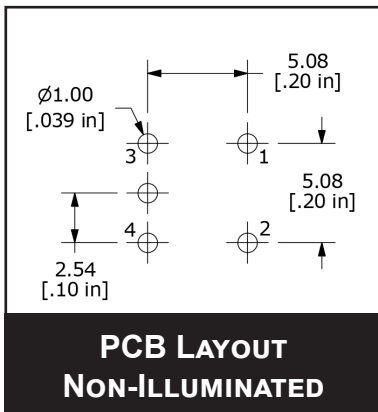
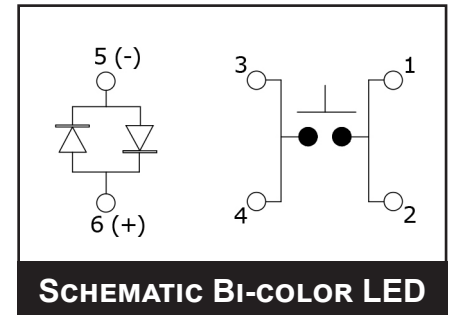
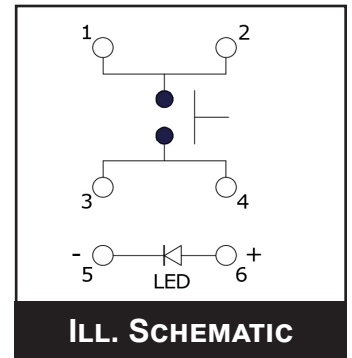
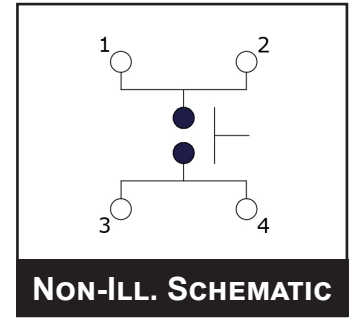
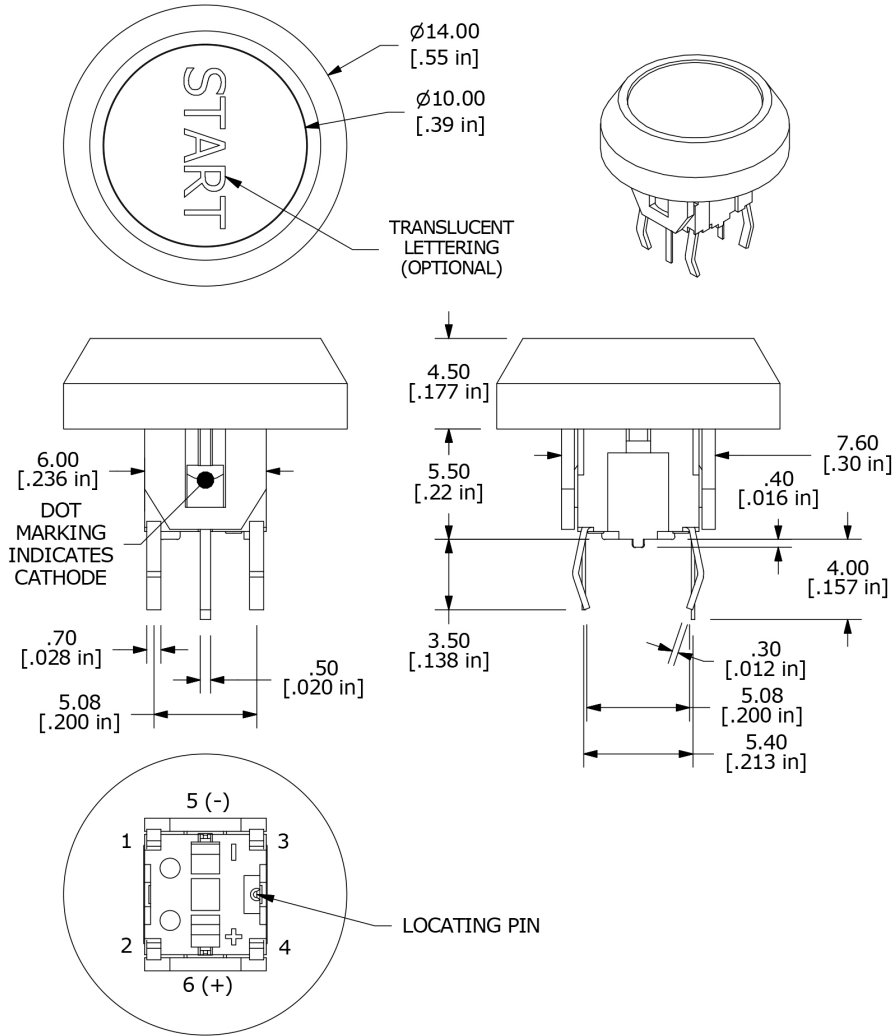
- Pin Pitch: .50 [.020 in]
- Pin Width: .70 [.028 in]
- Pin Count: 16 (8 on each side)
- Locating Pin: 5 (-) and 6 (+)

Other Features:

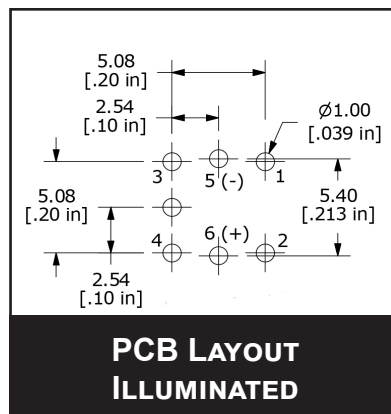
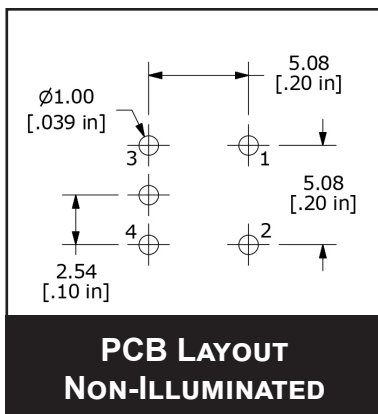
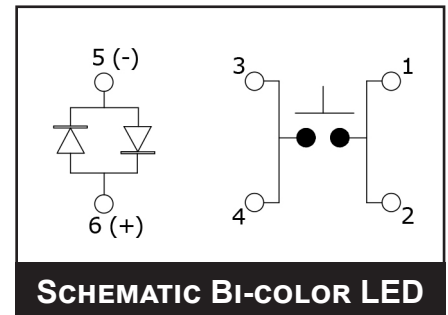
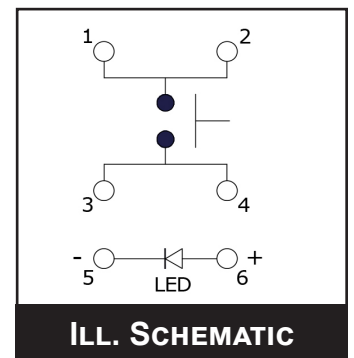
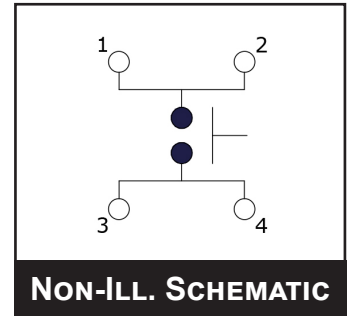
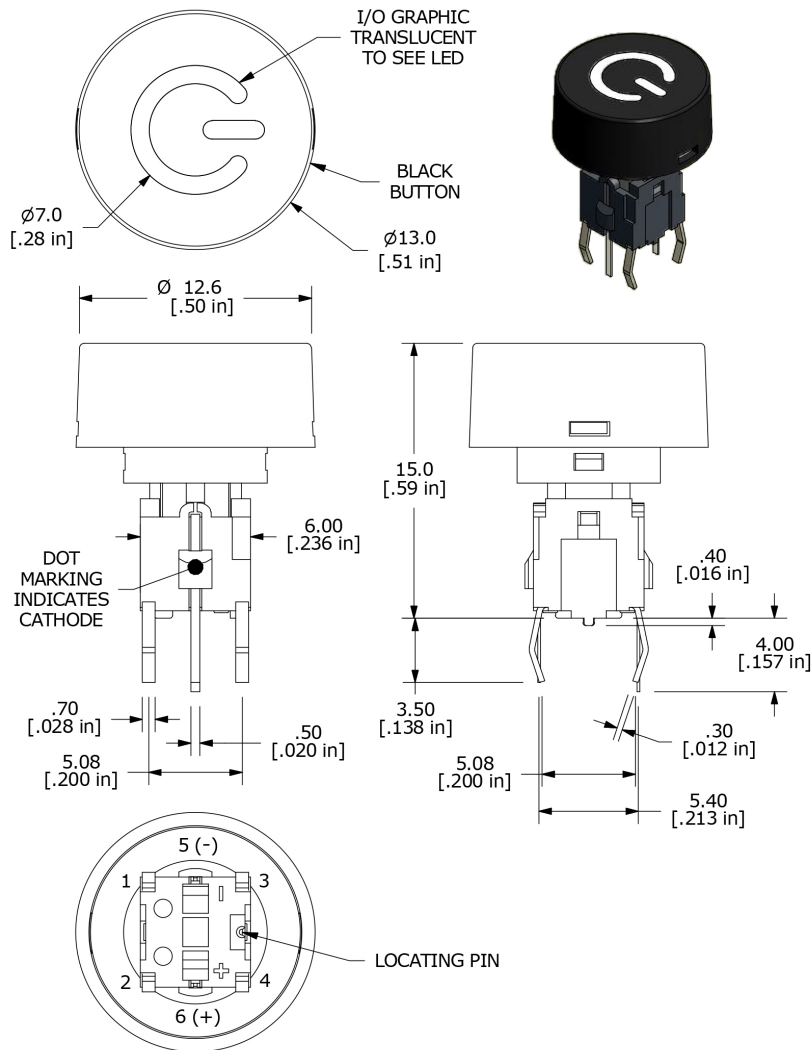
- DOT MARKING INDICATES CATHODE
- HALO TRANSLUCENT GRAPHIC (OPTIONAL)



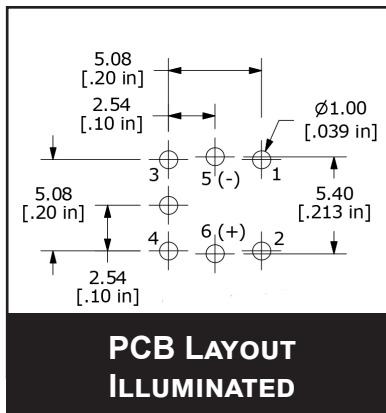
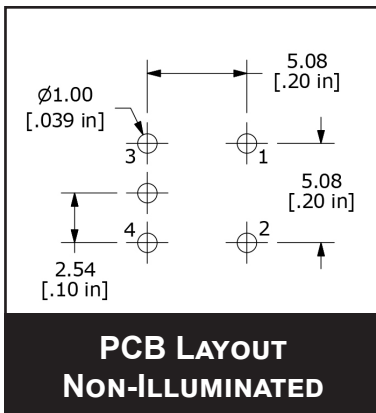
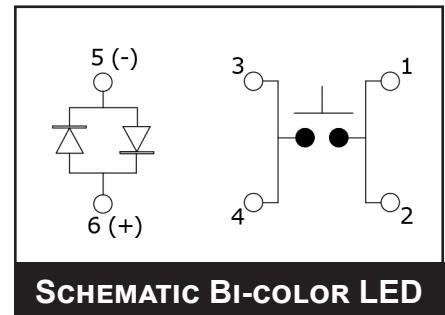
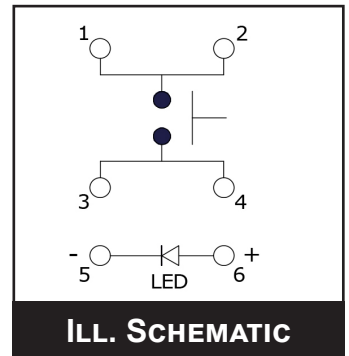
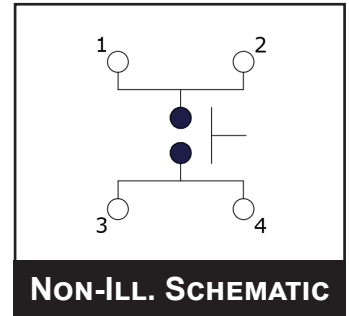
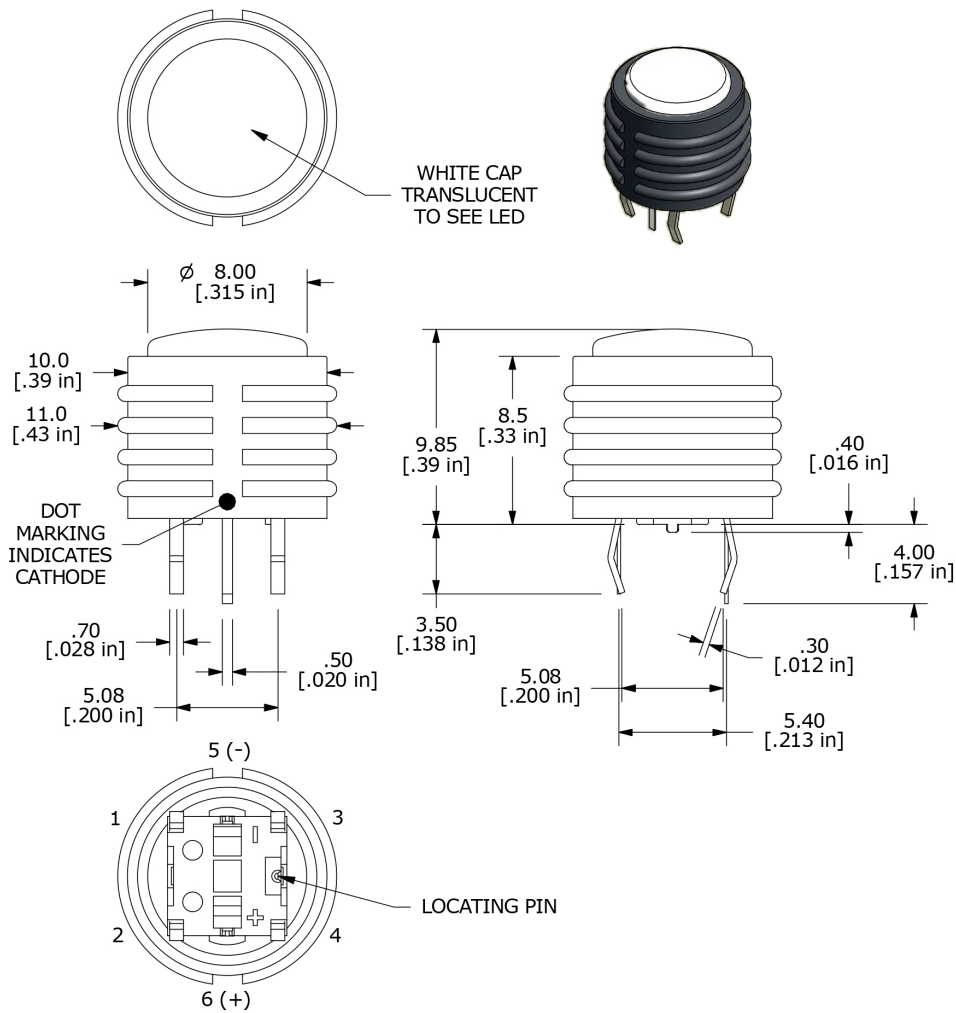
R3 BUTTON - 10MM DIA.



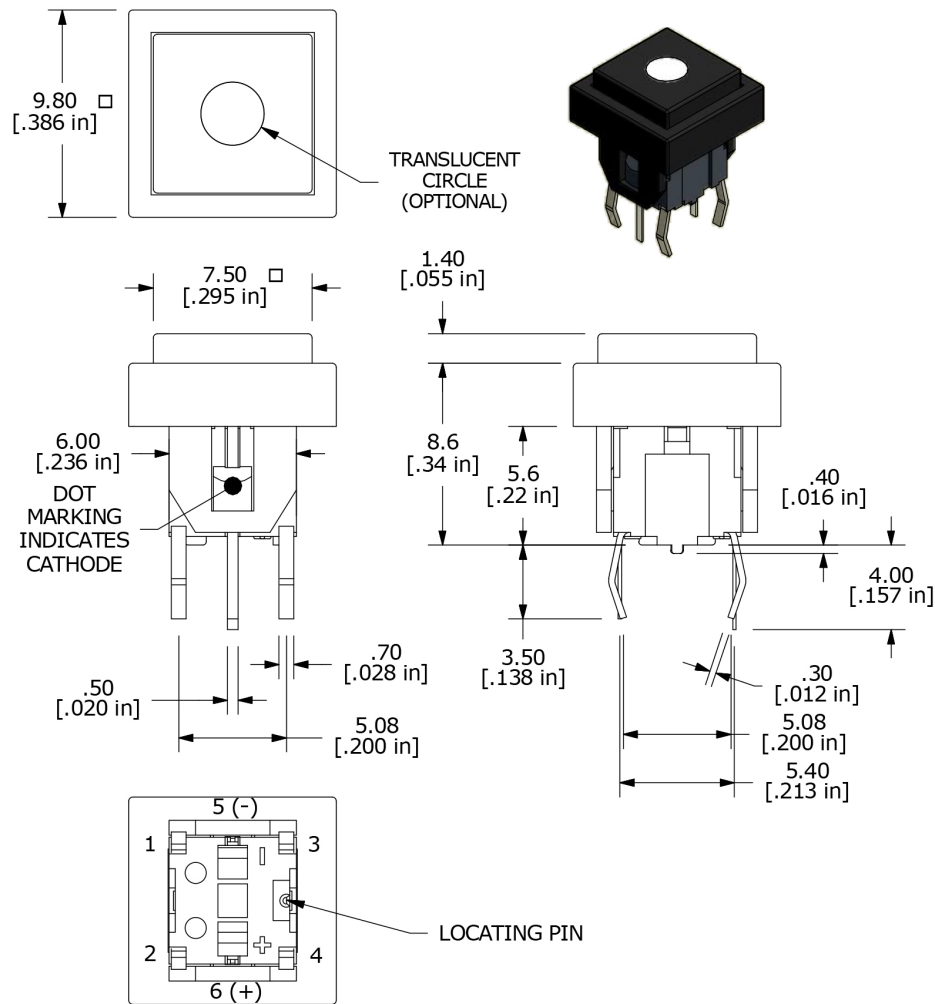
R4 BUTTON - 13MM DIA. W/ ILLUMINATED I/O



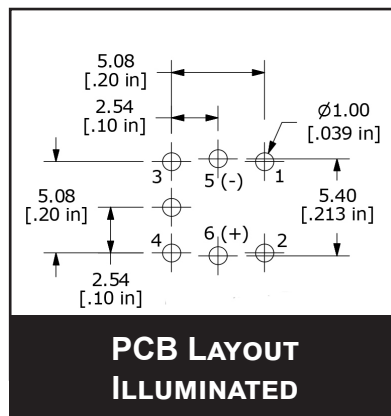
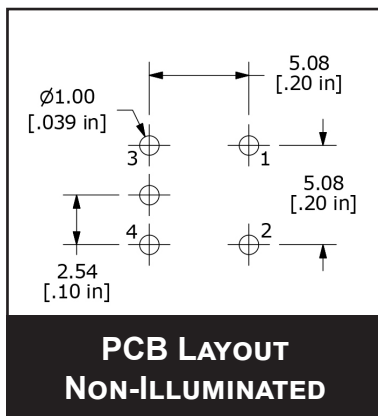
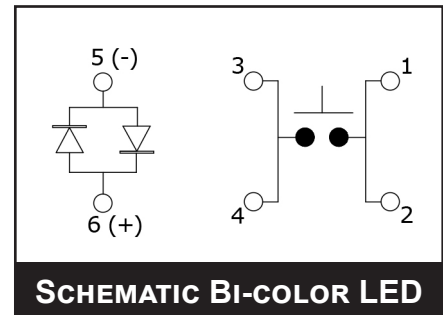
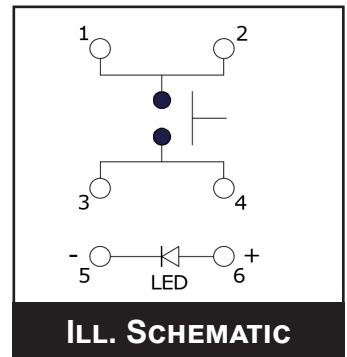
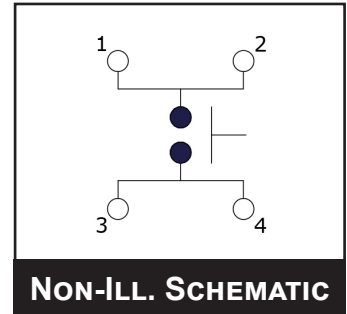
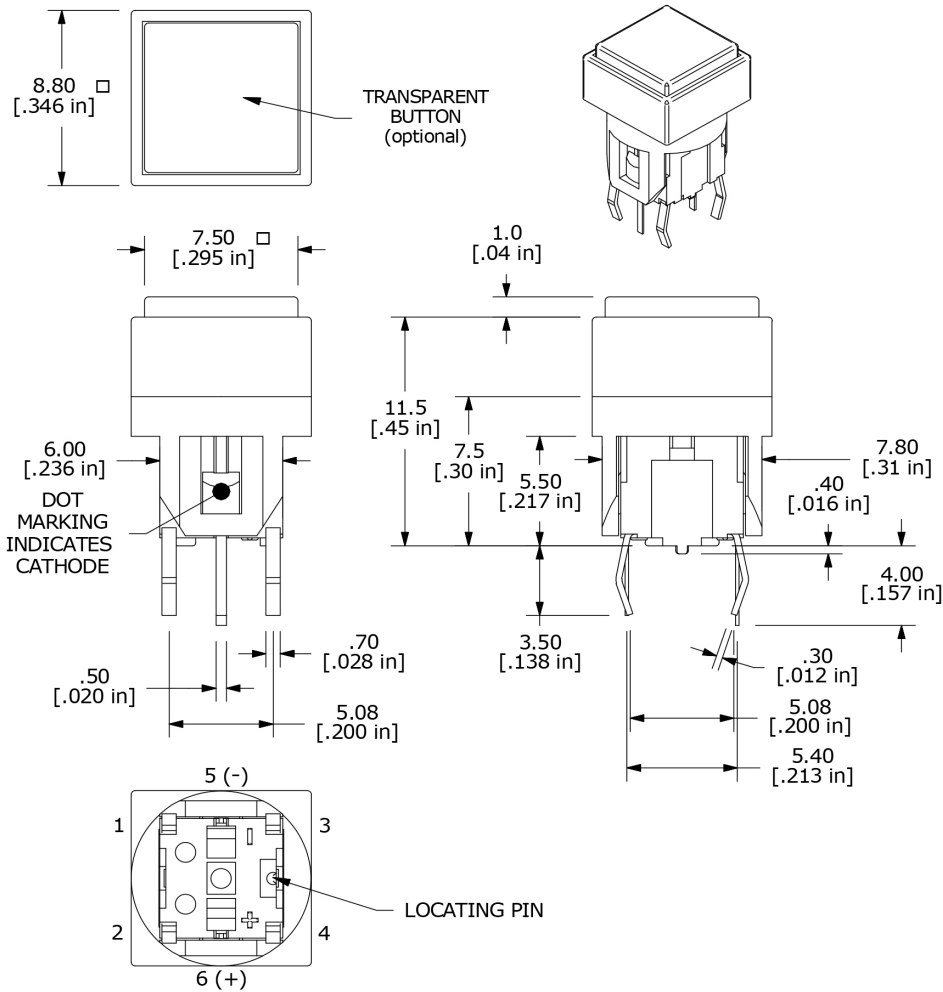
R5 BUTTON - 8MM DIA. TRANSLUCENT



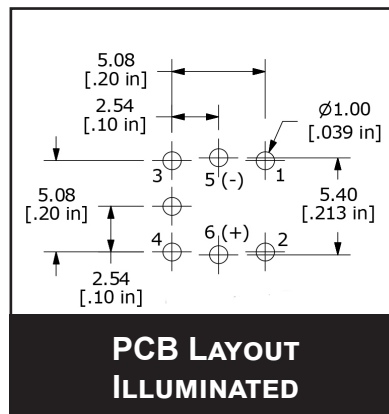
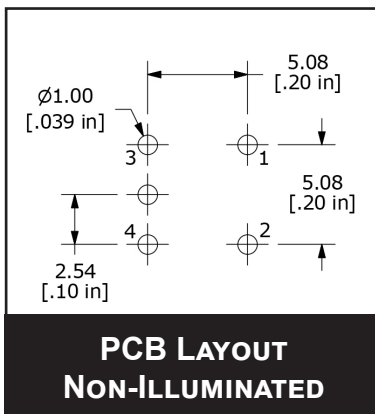
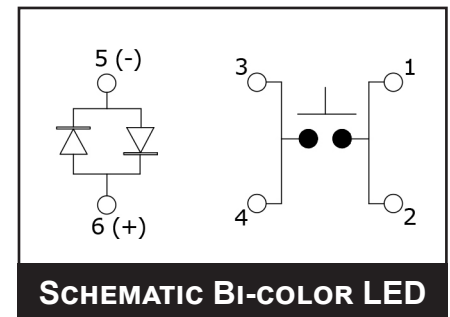
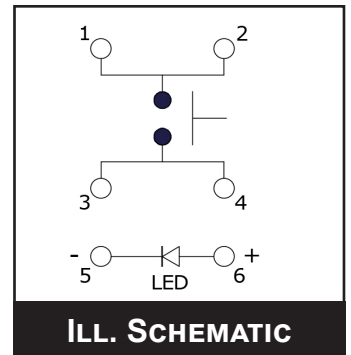
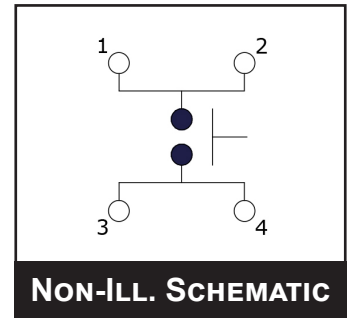
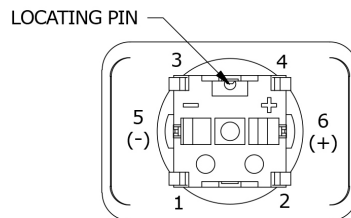
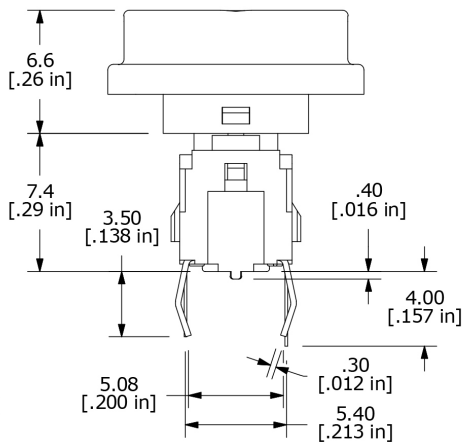
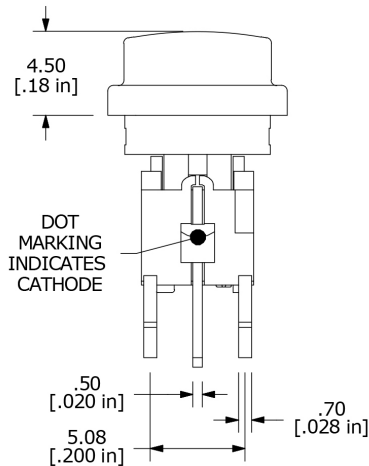
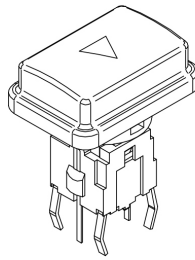
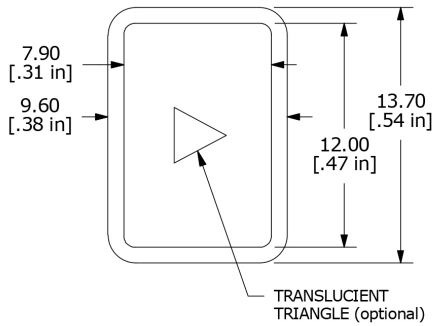
**S1 BUTTON - 7.5MM
SQUARE SHORT**



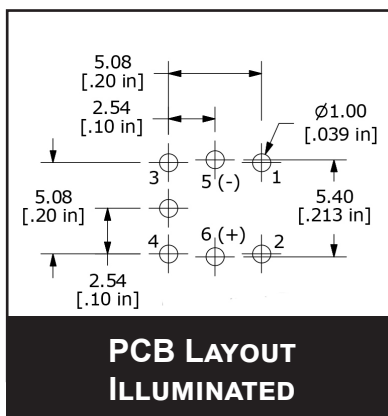
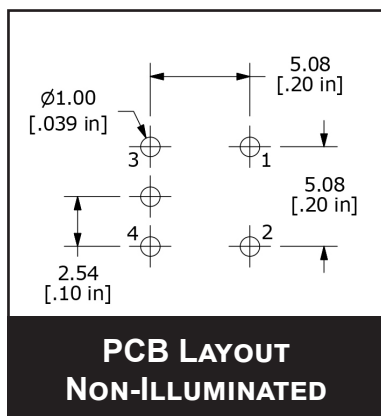
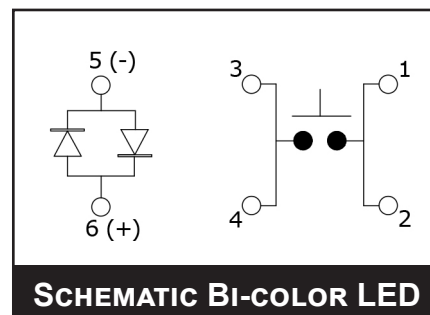
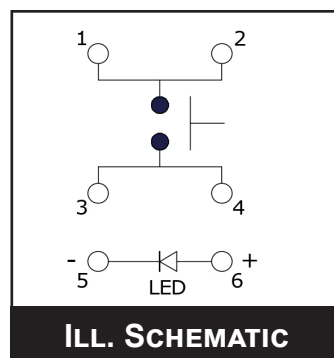
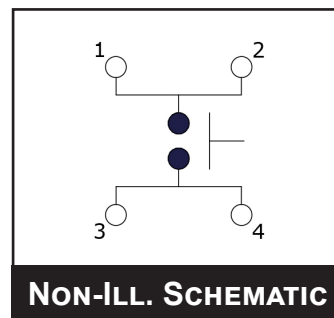
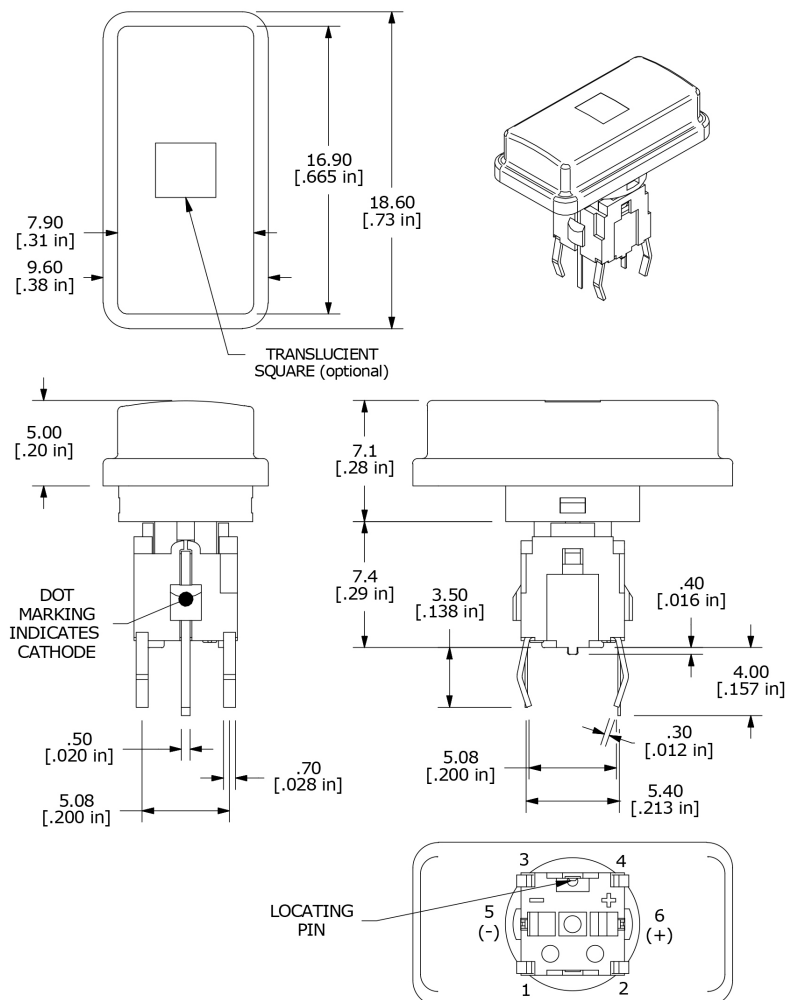
S2 BUTTON - 7.5 MM SQUARE TALL



S3 BUTTON - 10x14MM RECTANGLE

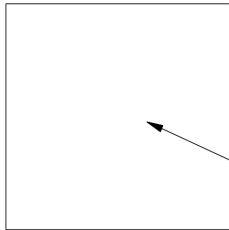


S4 BUTTON - 10x19MM RECTANGLE

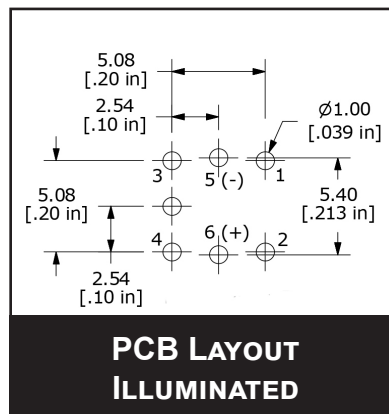
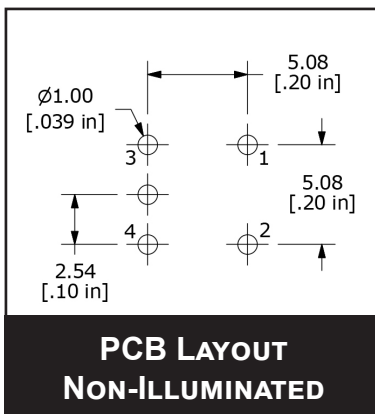
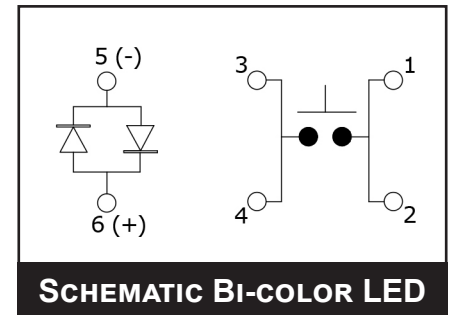
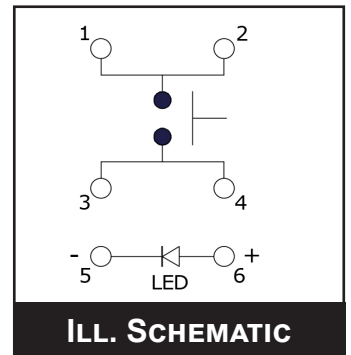
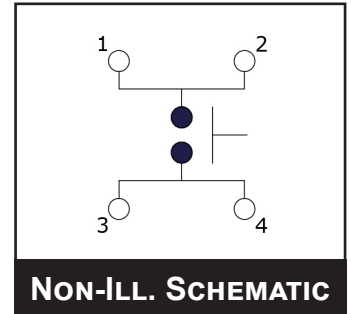
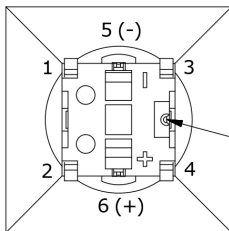
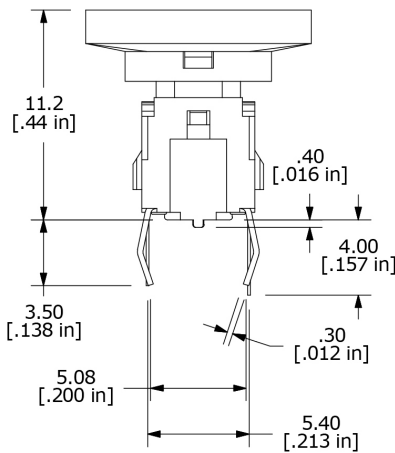
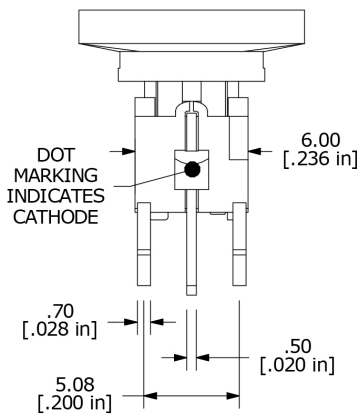
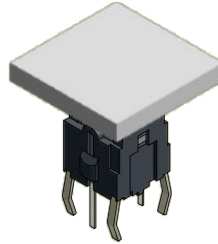


S5 BUTTON - 12MM SQUARE

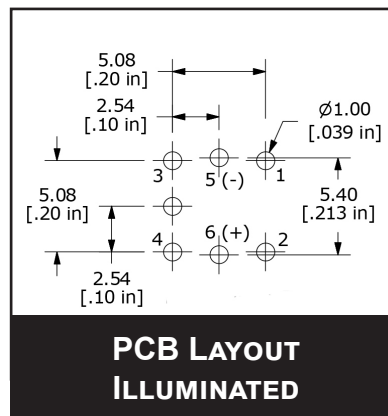
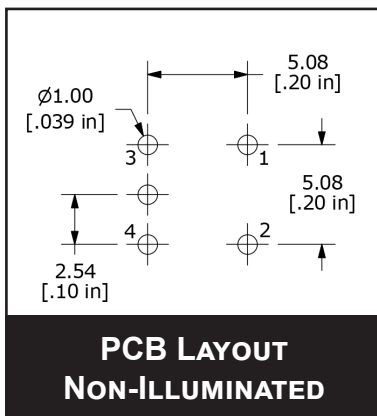
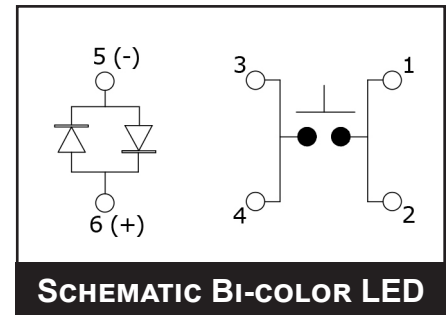
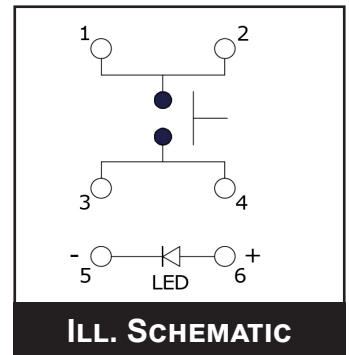
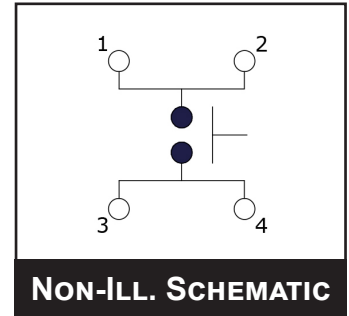
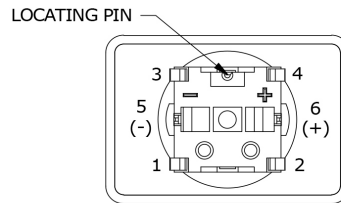
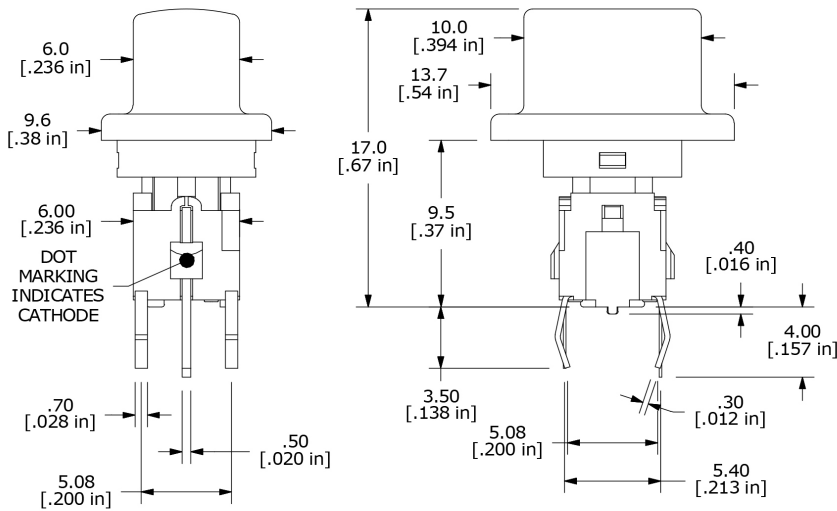
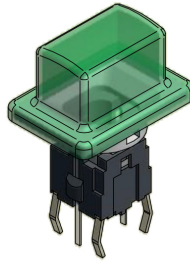
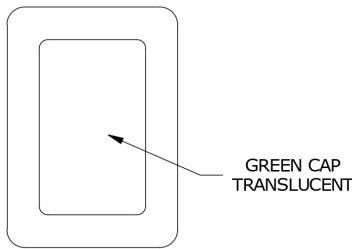
12.00
[.472 in]



WHITE CAP
TRANSLUCENT
TO SEE LED



S6 BUTTON - 9.6x13.7MM RECTANGLE GREEN TRANSLUCENT



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

E-Switch:

[TL1220R1BBBBHALO](#) [TL1220R1BBBGHALO](#) [TL1220R1BBBRHALO](#) [TL1220R2BBBRRESET](#)
[TL1220R3BBRWSTART](#) [TL1220S1BBBRN](#) [TL1220S2BBBNN](#) [TL1220S3NNBRTRIANGLE](#) [TL1220S4NNBRSQUARE](#)
[TL1220S1BBSG-POWER](#) [TL1220S1BBSG-RESET](#) [TL1220S1NNBWTRI](#)