

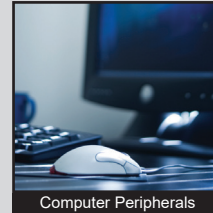
TL1220 SERIES TACT SWITCH



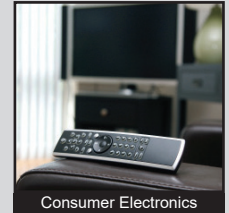
APPLICATIONS / MARKETS



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: -40°C to 85°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 10.9.2018



E-SWITCH®

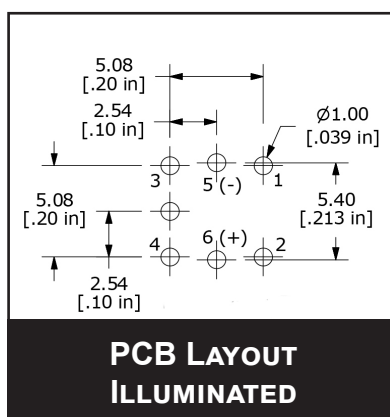
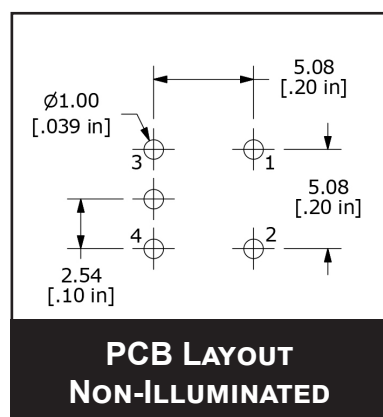
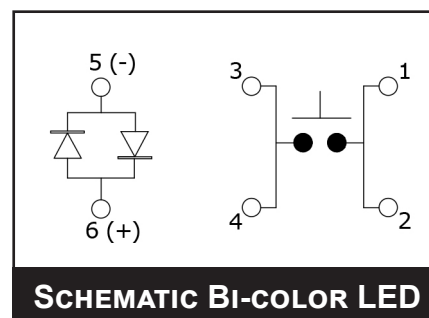
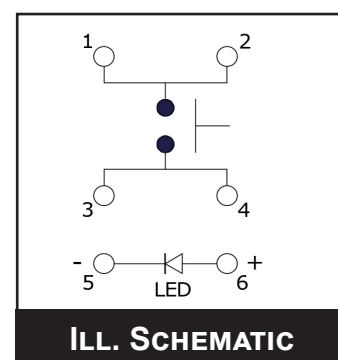
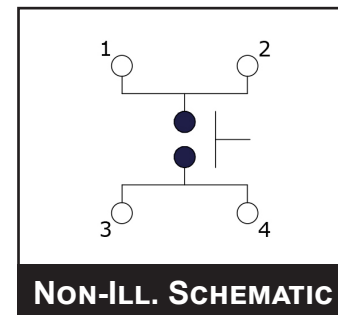
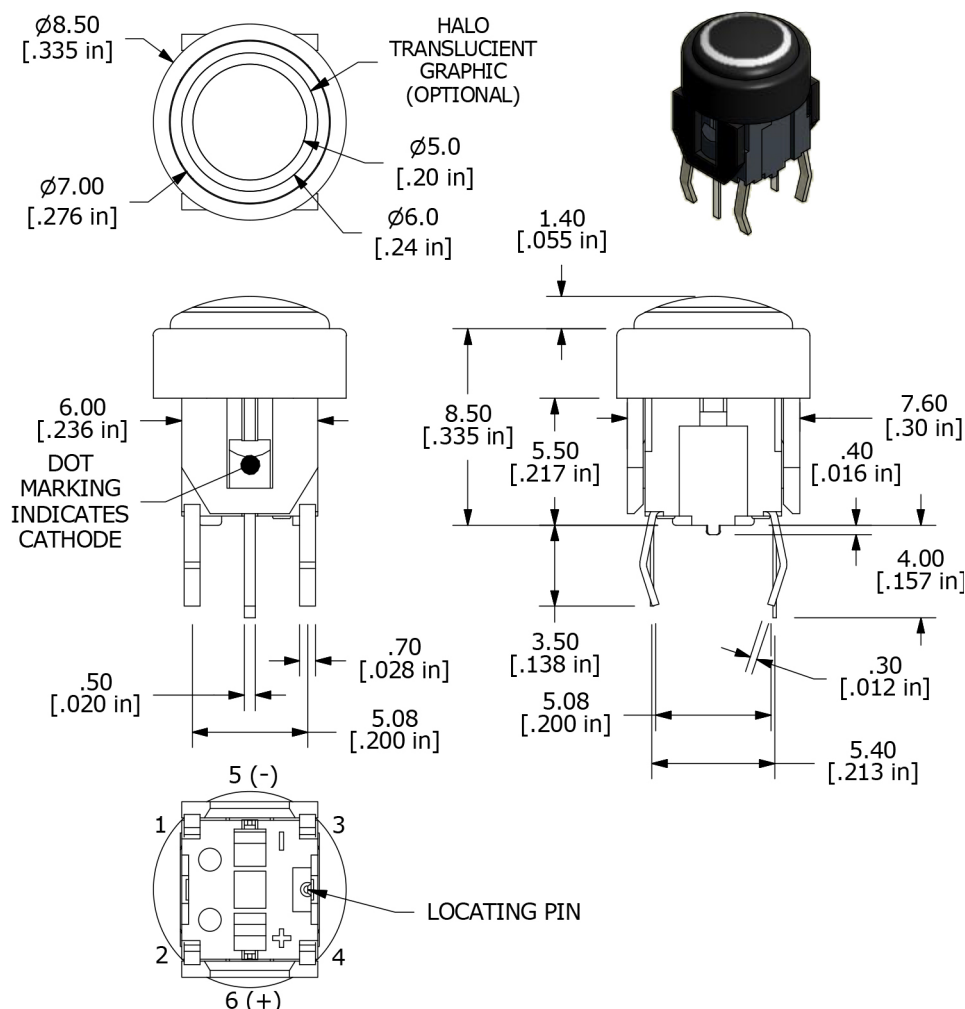
www.e-switch.com

800.867.2717

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TL1220 SERIES TACT SWITCH

R1 BUTTON - 7MM DIA.



Top View Dimensions:

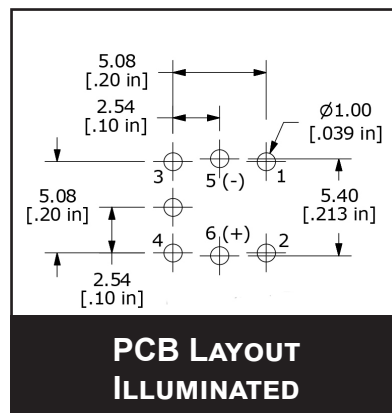
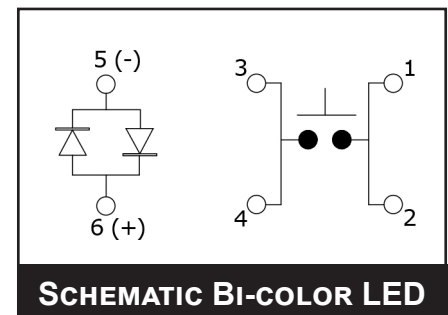
- Overall Diameter: $\phi 10.00$ [.394 in]
- Inner Ring Diameter: $\phi 8.00$ [.315 in]
- LED Lens Diameter: $\phi 5.8$ [.23 in]
- Mounting Pad Diameter: $\phi 7.0$ [.28 in]
- Feature: HALO TRANSLUCENT GRAPHIC (OPTIONAL)

Side View Dimensions:

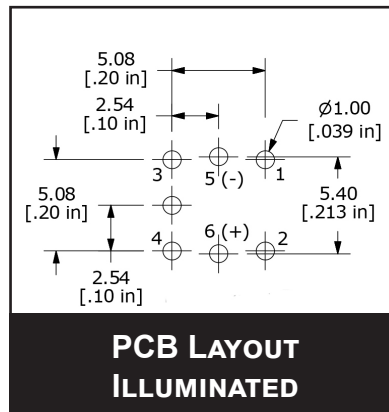
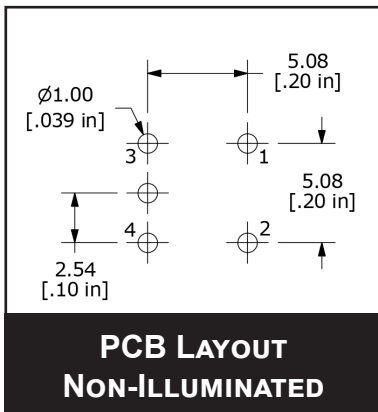
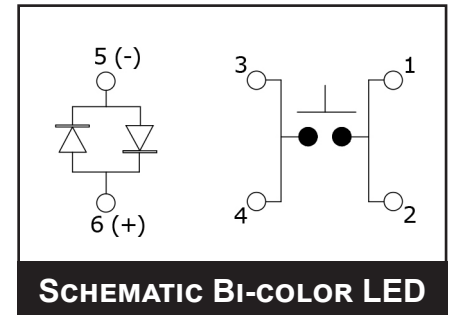
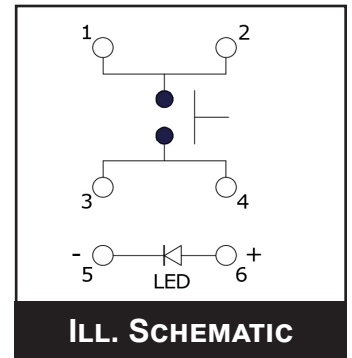
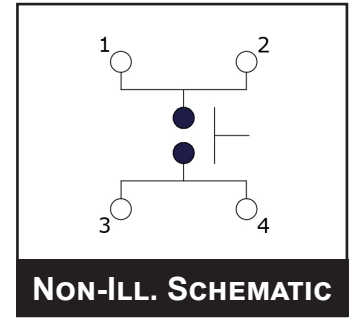
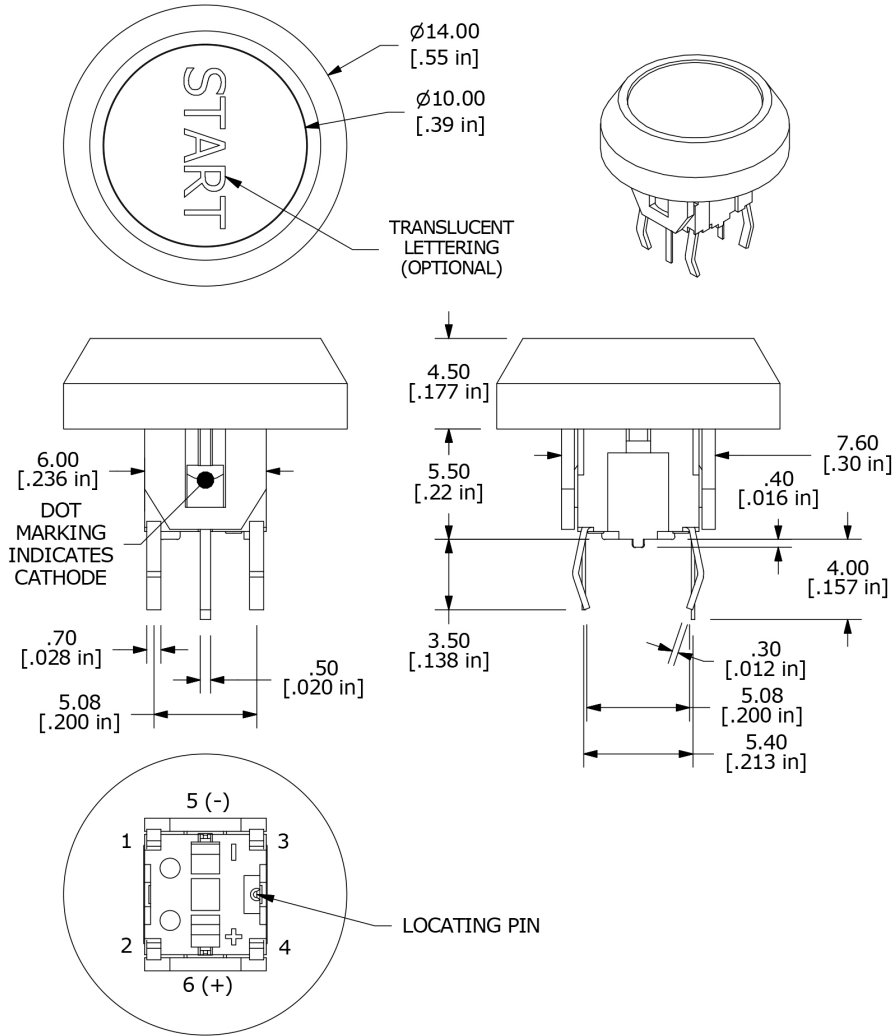
- Package Height: 1.40 [.055 in]
- Mounting Pad Thickness: 8.50 [.335 in]
- LED Lens Height: 5.50 [.217 in]
- Mounting Pad Width: 7.60 [.30 in]
- Pin Spacing: .40 [.016 in]
- Pin Length: 4.00 [.157 in]
- Pin Width: .30 [.012 in]
- Pin Pitch: 5.08 [.200 in]
- Pin Offset: 5.40 [.213 in]
- Pin Thickness: .70 [.028 in]
- Pin Spacing (Bottom): 5.08 [.200 in]

Bottom View Details:

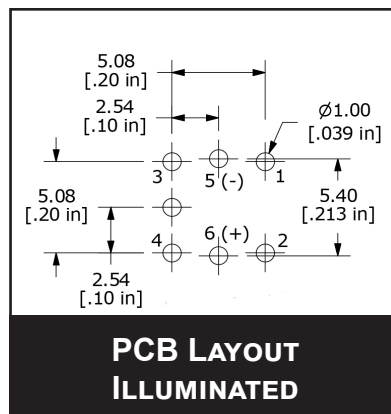
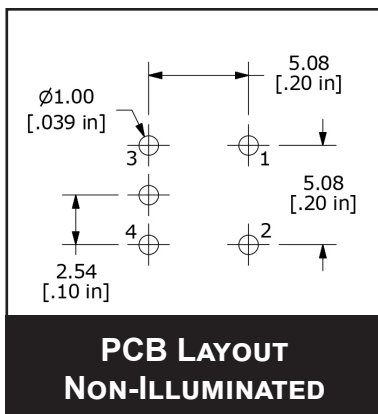
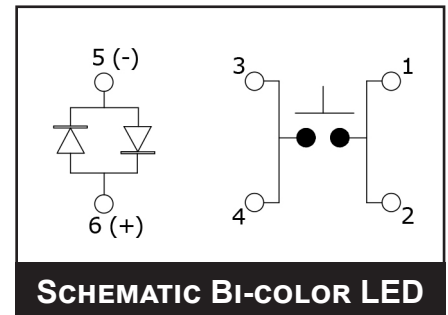
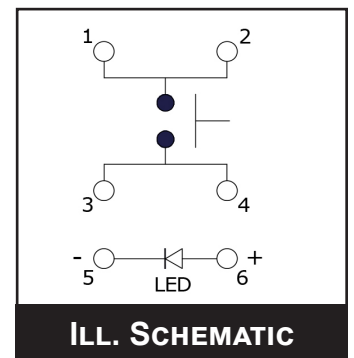
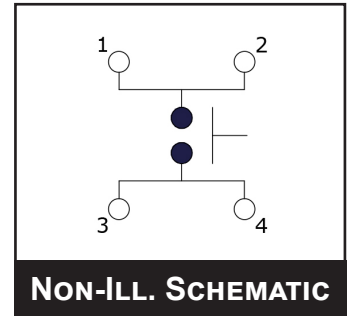
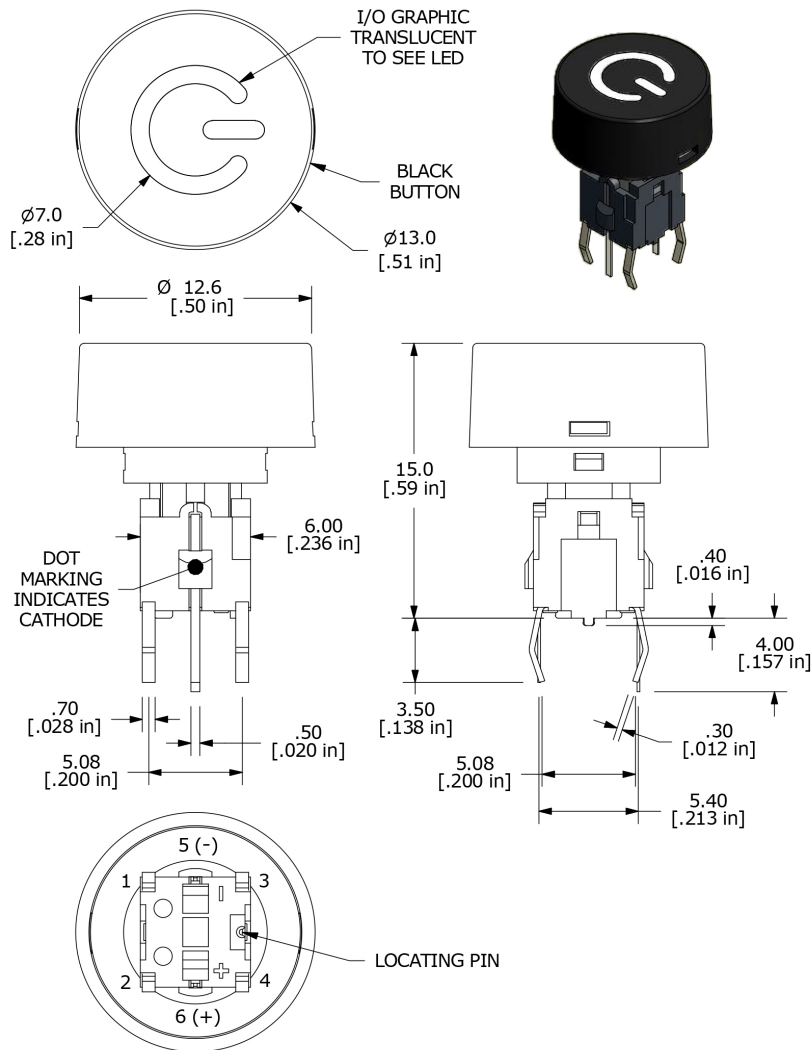
- Pin 1: 5 (-)
- Pin 2: 6 (+)
- Pin 3: 1
- Pin 4: 2
- Pin 5: 3
- Pin 6: 4
- Feature: DOT MARKING INDICATES CATHODE
- Feature: LOCATING PIN



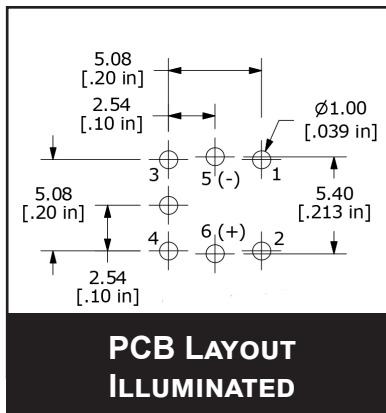
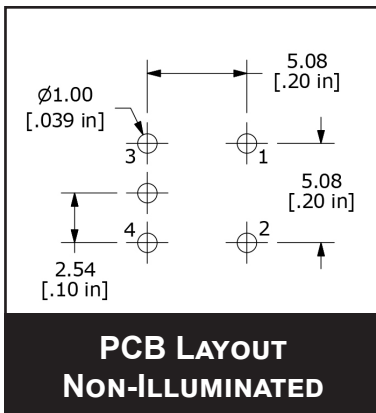
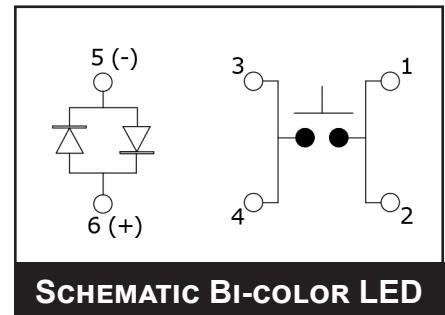
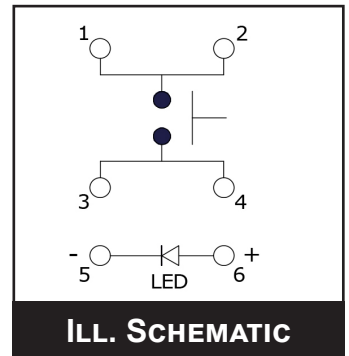
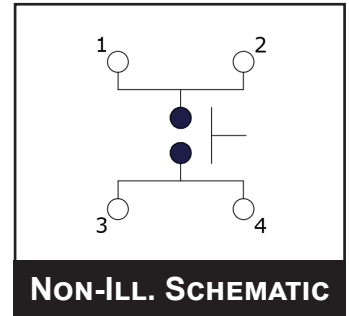
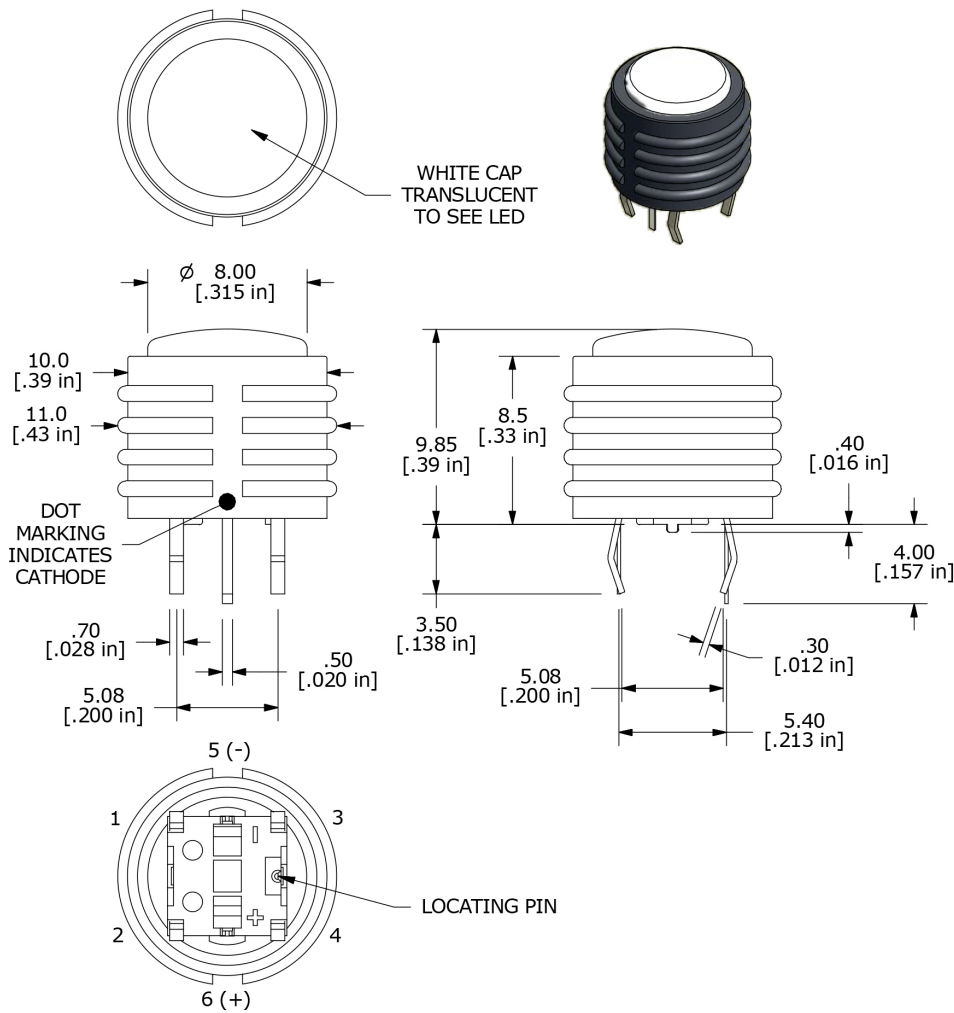
R3 BUTTON - 10MM DIA.



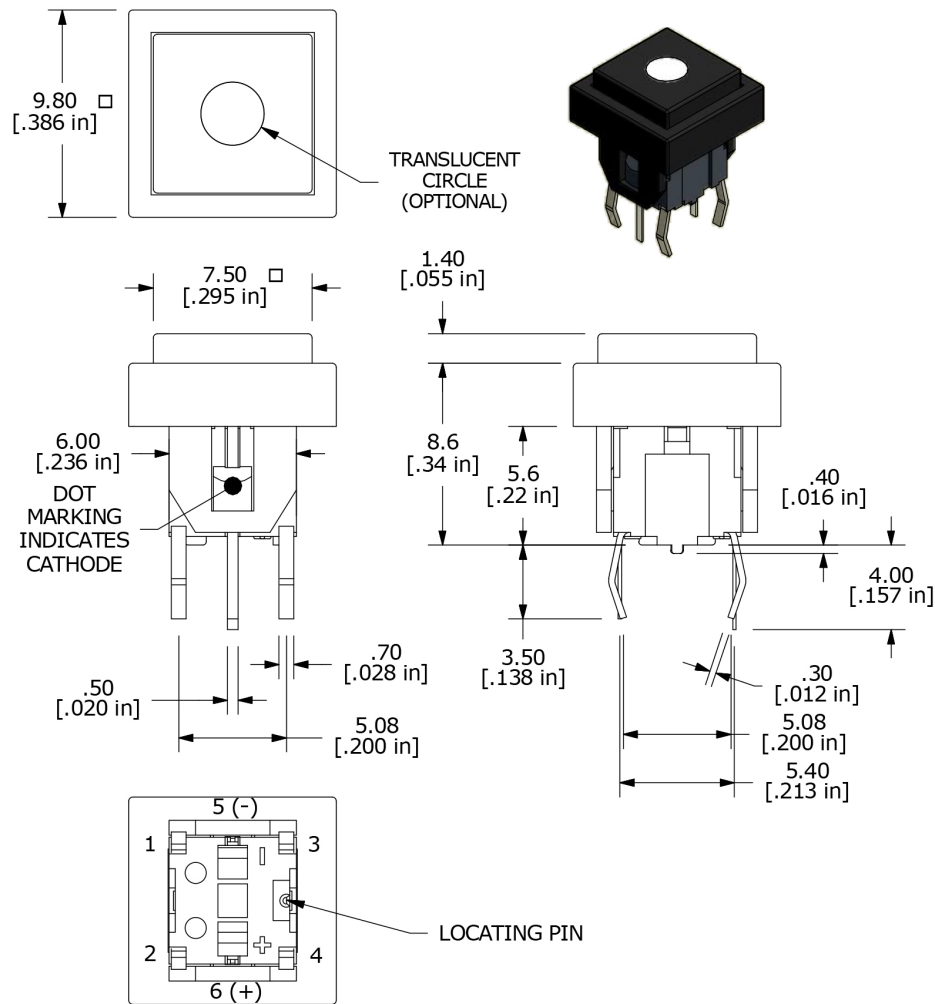
R4 BUTTON - 13MM DIA. W/ ILLUMINATED I/O



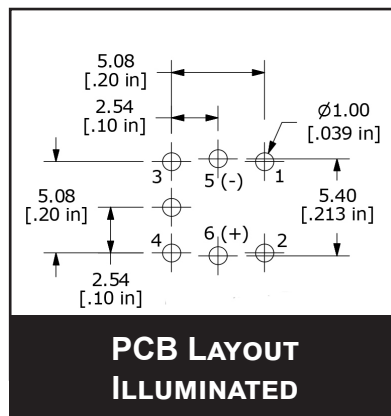
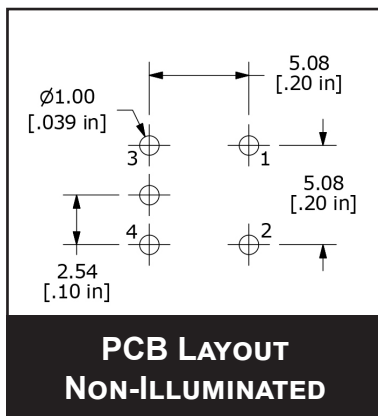
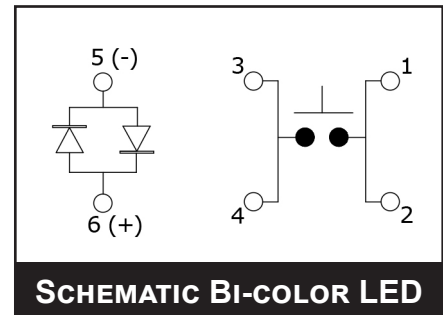
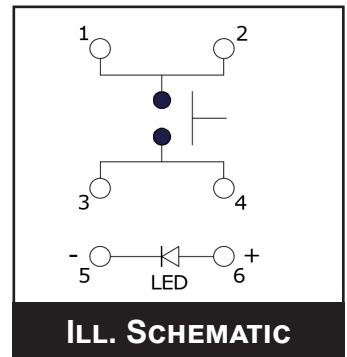
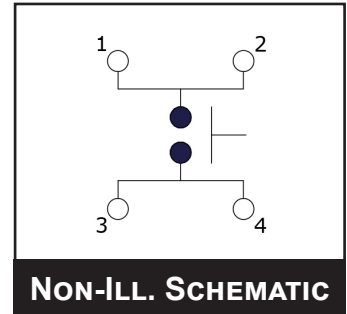
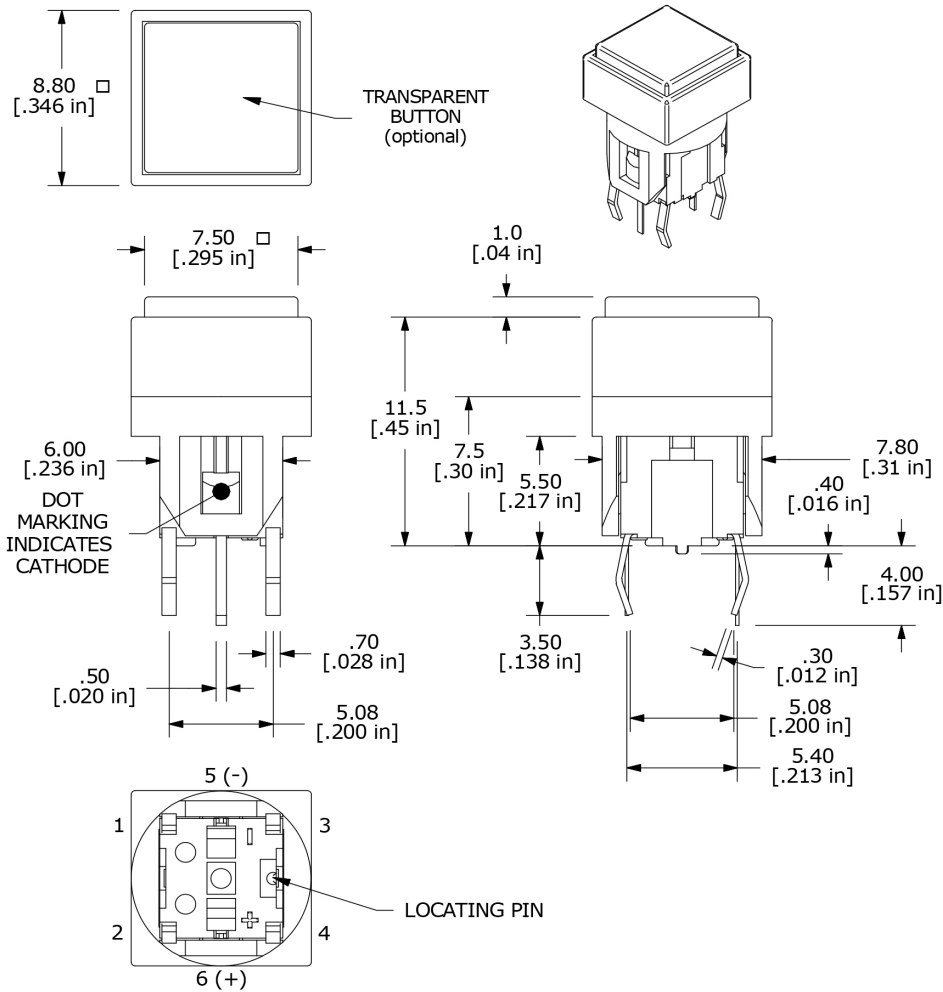
R5 BUTTON - 8MM DIA. TRANSLUCENT



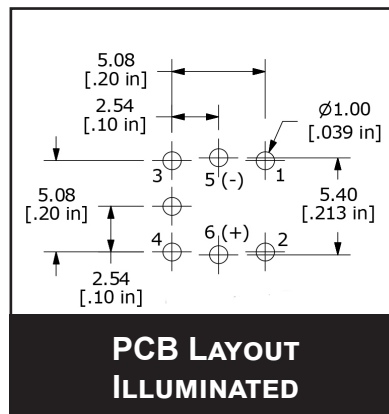
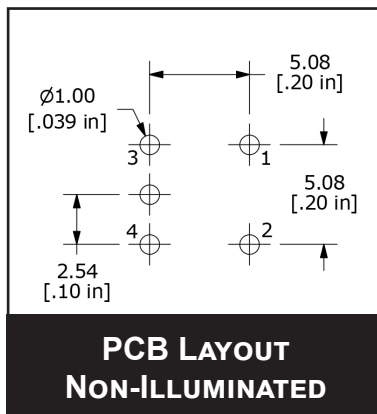
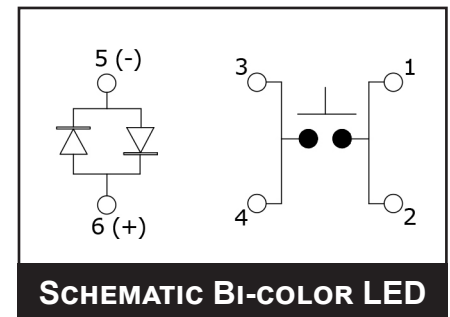
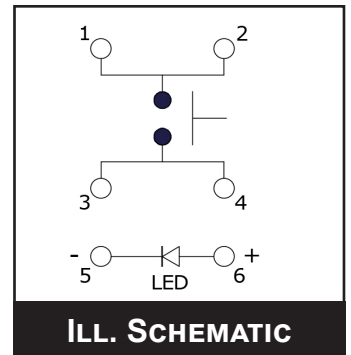
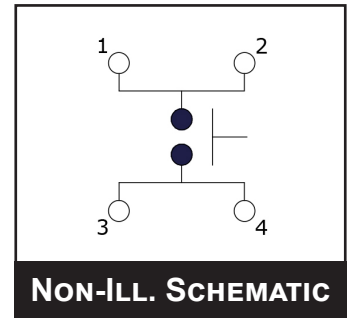
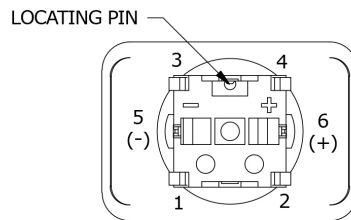
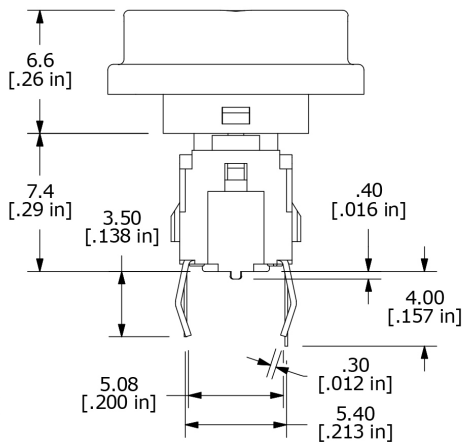
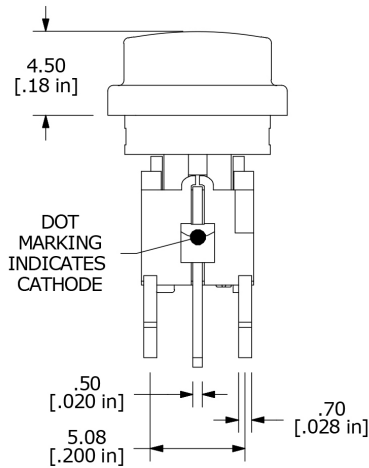
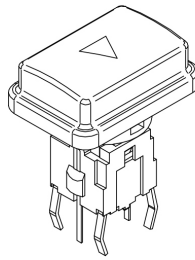
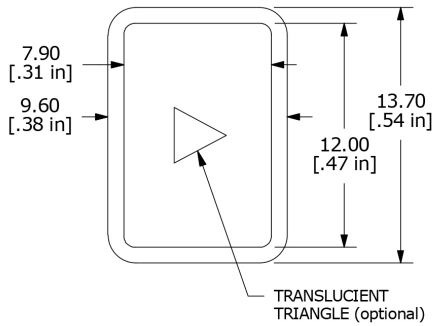
**S1 BUTTON - 7.5MM
SQUARE SHORT**



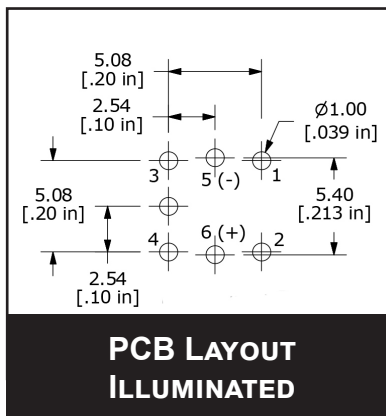
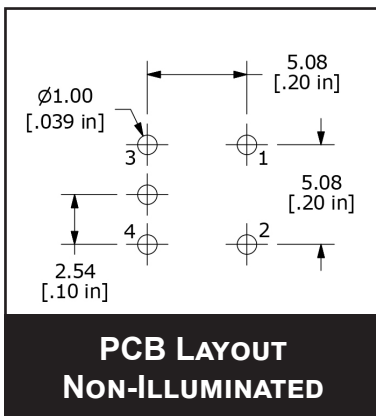
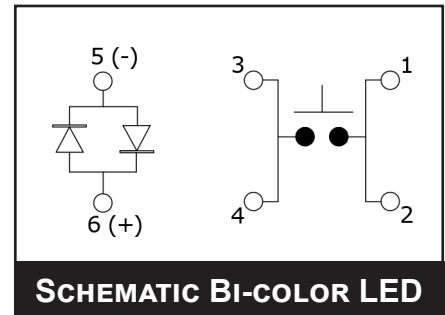
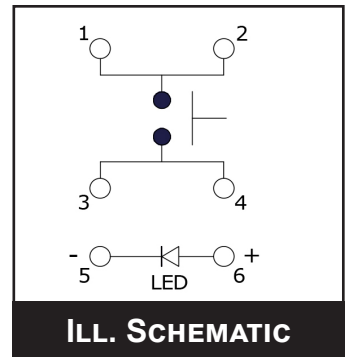
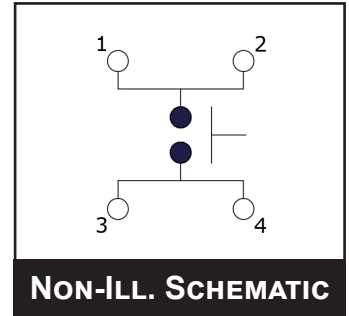
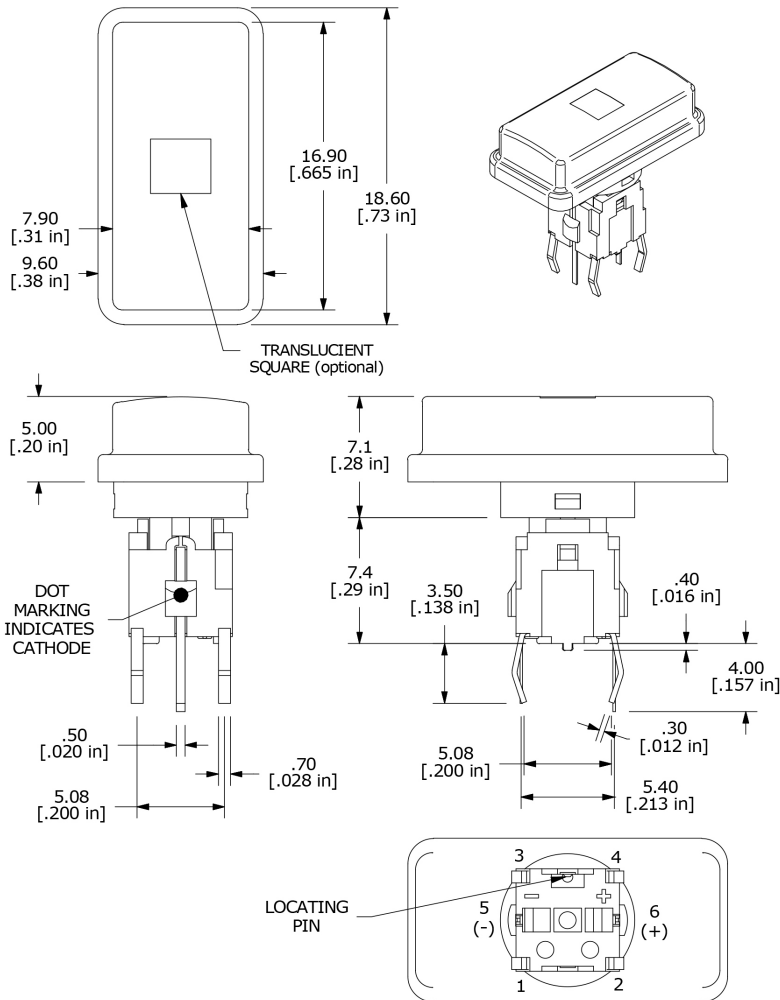
S2 BUTTON - 7.5 MM SQUARE TALL



S3 BUTTON - 10x14MM RECTANGLE

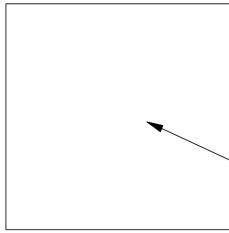


S4 BUTTON - 10x19MM RECTANGLE

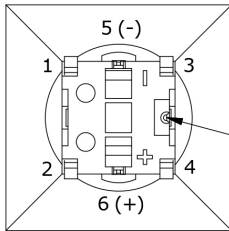
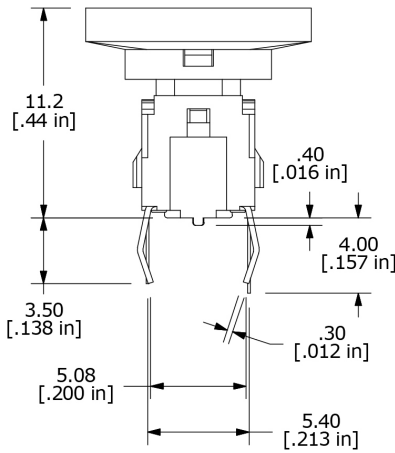
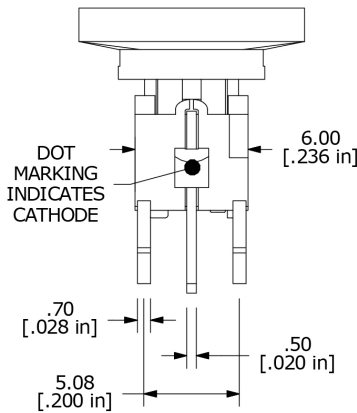
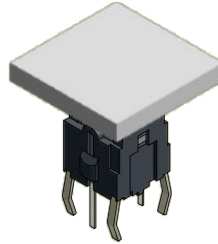


S5 BUTTON - 12MM SQUARE

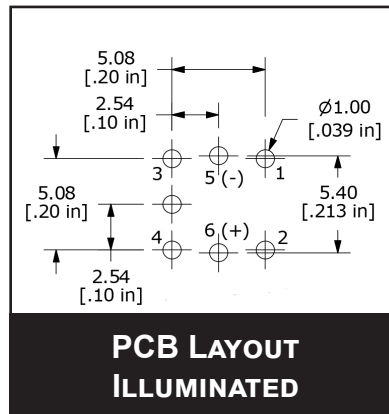
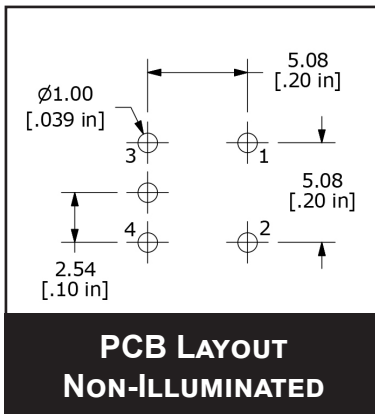
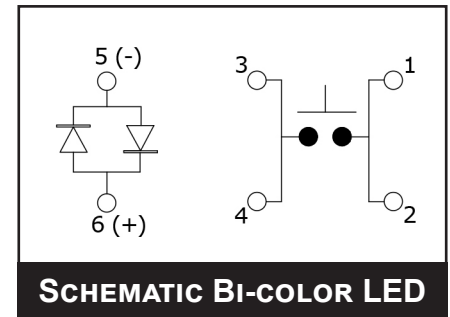
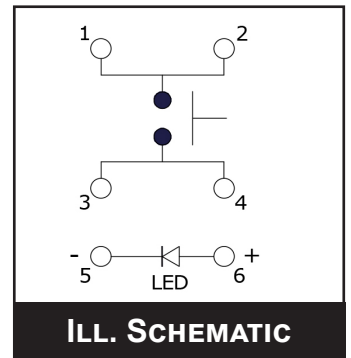
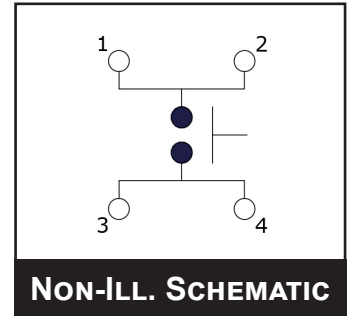
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[.472 in]



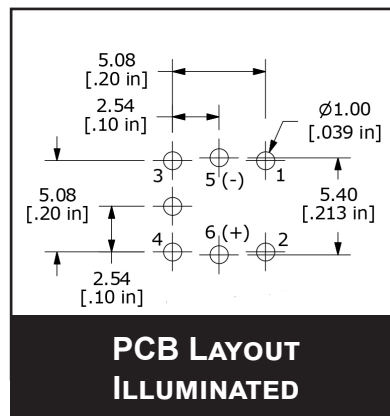
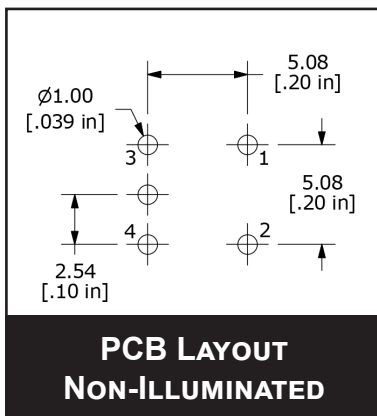
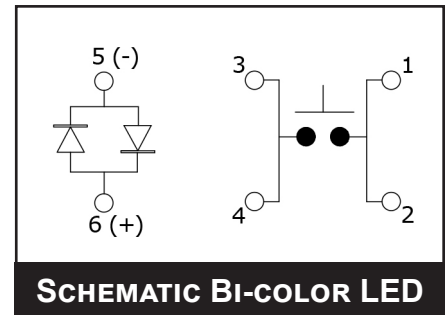
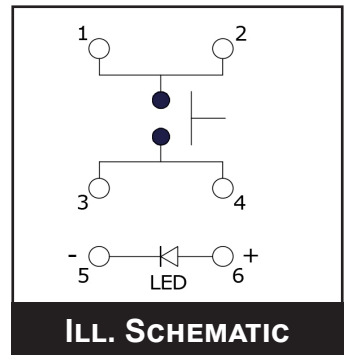
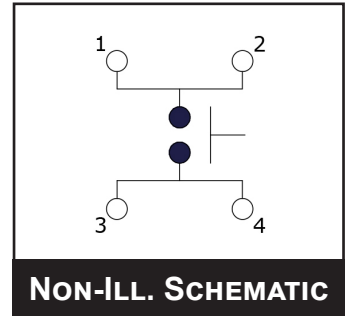
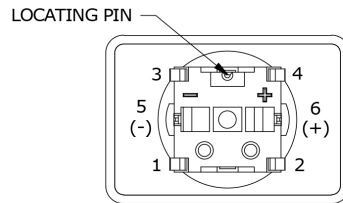
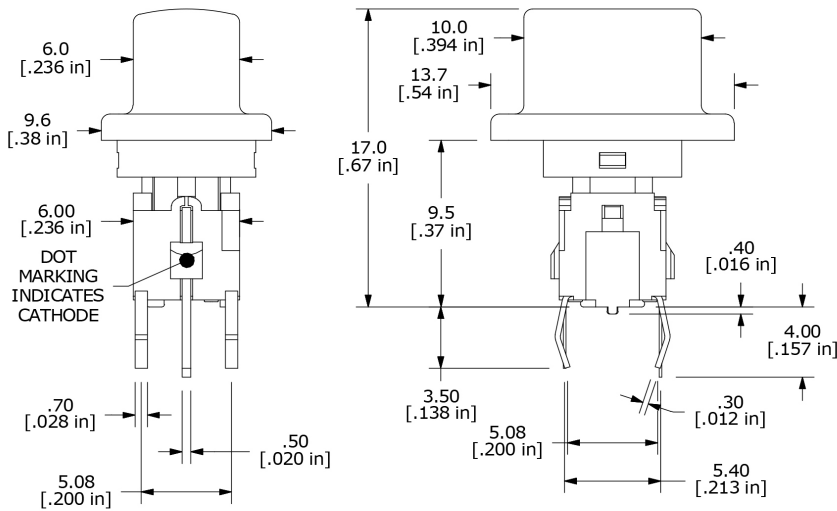
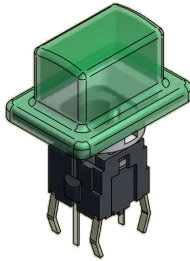
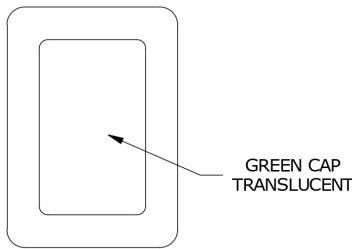
WHITE CAP
TRANSLUCENT
TO SEE LED



LOCATING PIN



S6 BUTTON - 9.6x13.7MM RECTANGLE GREEN TRANSLUCENT



Mouser Electronics

Authorized Distributor

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E-Switch:

[TL1220S1BBBRN](#) [TL1220S2BBBNN](#) [TL1220S1BBSG-POWER](#) [TL1220R1BBBRG-HALO](#) [TL1220R1BBBYB-HALO](#)
[TL1220S1NNBGN](#) [TL1220R2BBBGHALO](#) [TL1220R2BBBYHALO](#) [TL1220R2BBBWHALO](#) [TL1220R2BBBRHALO](#)
[TL1220R2BBBBHALO](#) [TL1220R3NNBG-HALO](#) [TL1220R2BBBNN](#) [TL1220R2BGGNN](#) [TL1220R1NNBGHALO](#)
[TL1220R3NNSRB-POWER](#) [TL1220R1NNBRG-HALO](#) [TL1220R3BBBB-HALO](#) [TL1220R3BBBY-HALO](#)
[TL1220R1BBBR-HALO](#) [TL1220R5BBWRN](#) [TL1220S5NNWRN](#) [TL1220S6NNTGN](#) [TL1220R1NNSRG-HALO](#)
[TL1220R2BGGRHALO](#) [TL1220R3NNBRG-POWER](#) [TL1220R2BBBRG-POWER](#) [TL1220R2BGGWHALO](#)
[TL1220R3NNBR-HALO](#) [TL1220R4NNBR](#) [TL1220R2BGGYHALO](#) [TL1220R3BBBRG-POWER](#) [TL1220R2BGGBHALO](#)
[TL1220R3BBBR-HALO](#) [TL1220S1BBBNN](#) [TL1220R1BBBW-HALO](#) [TL1220R2BGGGHALO](#) [TL1220R2BBBRB-](#)
[HALO](#) [TL1220R1BBBG-POWER](#) [TL1220S2BBGNN](#) [TL1220R2BBBOG-POWER](#) [TL1220R3BBBG-HALO](#)
[TL1220S2BBTGN](#) [TL1220R3NNBW-HALO](#) [TL1220R4NNBG](#) [TL1220R1NNGG-HALO](#) [TL1220R3NNSRG-POWER](#)
[TL1220S1BBBGN](#) [TL1220S2BBTNN](#) [TL1220R4NNBW](#) [TL1220R3NNRR-HALO](#) [TL1220R3BBBW-HALO](#)
[TL1220R3BBRRGN](#) [TL1220R3BBWRGN](#)