

TL1220 SERIES TACT SWITCH

ANTI-VANDAL
SWITCHESDETECTOR
SWITCHESDIP
SWITCHESKEYLOCK
SWITCHESNAVIGATION
SWITCHESPUSHBUTTON
SWITCHESROCKER
SWITCHESROTARY
SWITCHESSLIDE
SWITCHESSNAP ACTION
SWITCHESTACTILE
SWITCHESTOGGLE
SWITCHESCAP
OPTIONS

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
TL1220	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 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)****	<input type="checkbox"/> <input type="checkbox"/> N - No Bezel B - With Bezel	<input type="checkbox"/> N - No Bezel B - Black G - Gray	<input type="checkbox"/> N - No Button B - Black G - Gray S - Silver W - Translucent White** T - Translucent Green***	<input type="checkbox"/> 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	<input type="checkbox"/> 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

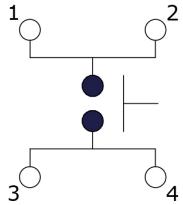
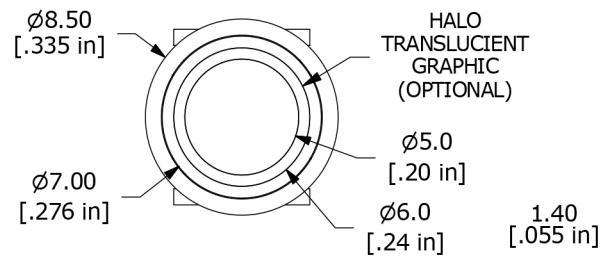
**E-SWITCH®**

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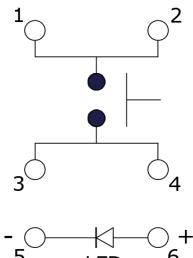
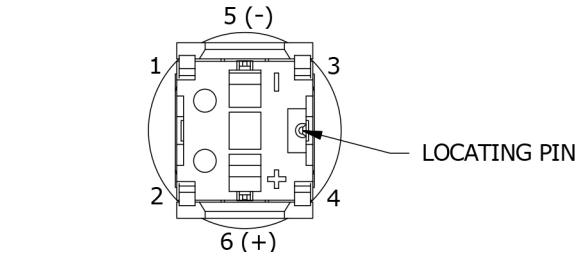
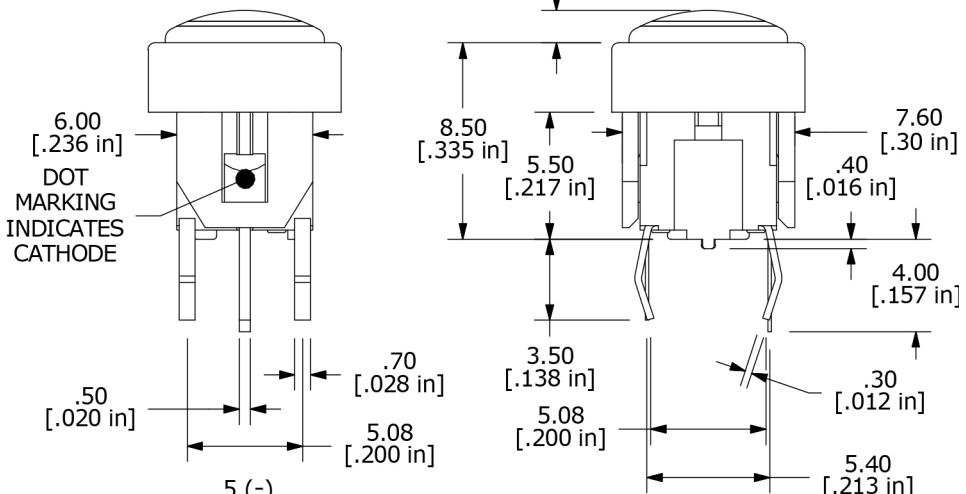
800.867.2717

TL1220 SERIES TACT SWITCH

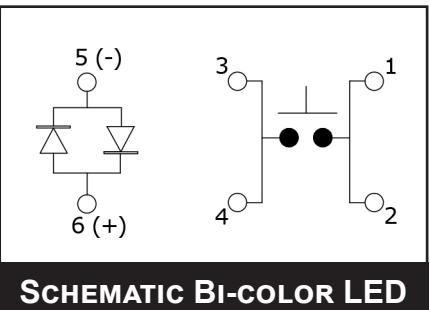
R1 BUTTON - 7MM DIA.



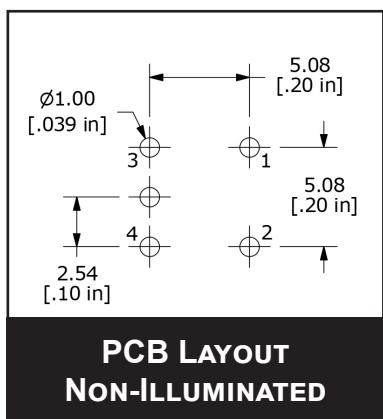
NON-ILL. SCHEMATIC



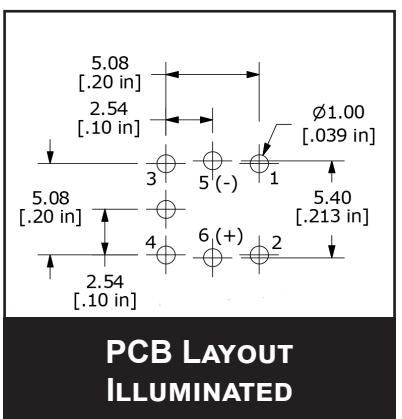
ILL. SCHEMATIC



SCHEMATIC BI-COLOR LED



**PCB LAYOUT
NON-ILLUMINATED**



**PCB LAYOUT
ILLUMINATED**

ANTI-VANDAL
SWITCHES

DETECTOR
SWITCHES

DIP
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PUSHBUTTON
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ROCKER
SWITCHES

ROTARY
SWITCHES

SLIDE
SWITCHES

SNAP ACTION
SWITCHES

TACTILE
SWITCHES

TOGGLE
SWITCHES

CAP
OPTIONS

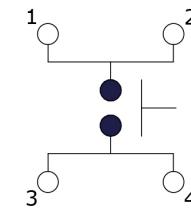
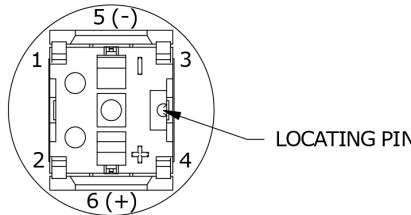
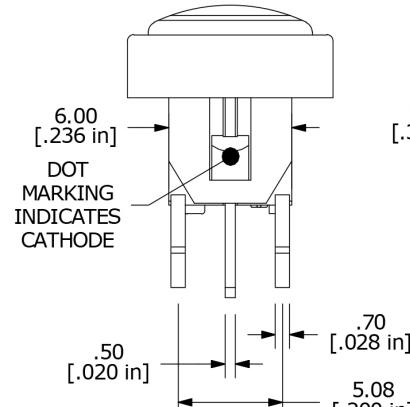
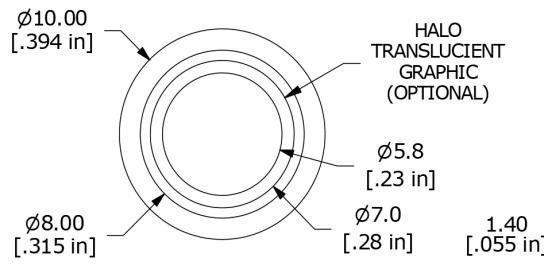


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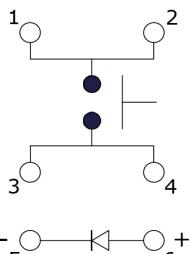
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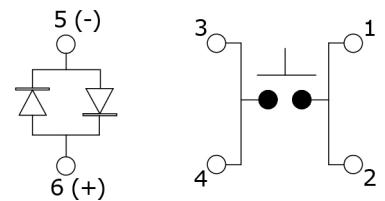
R2 BUTTON - 8MM DIA.



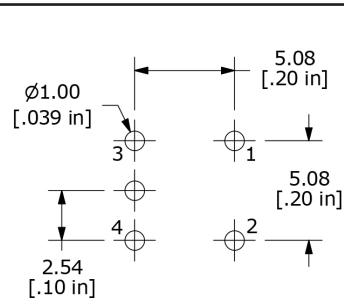
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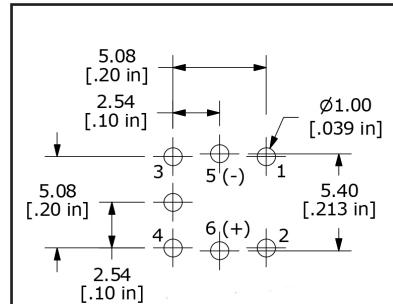
ILL. SCHEMATIC



SCHEMATIC BI-COLOR LED



**PCB LAYOUT
NON-ILLUMINATED**



**PCB LAYOUT
ILLUMINATED**



TL1220 SERIES

R3 BUTTON - 10MM DIA.

ANTI-VANDAL
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KEYLOCK
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NAVIGATION
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PUSHBUTTON
SWITCHES

ROCKER
SWITCHES

ROTARY
SWITCHES

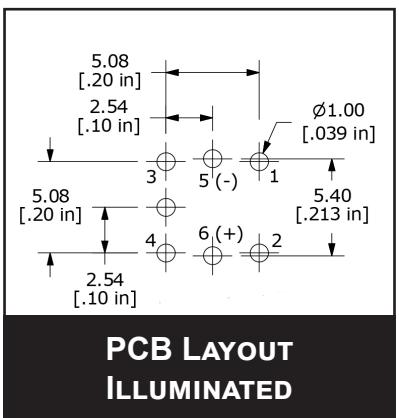
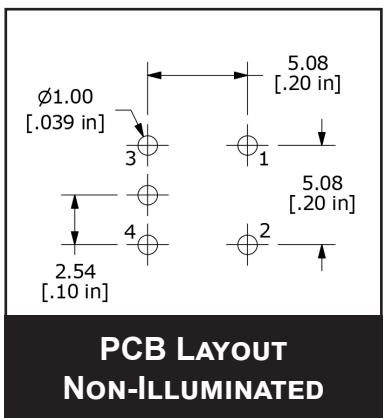
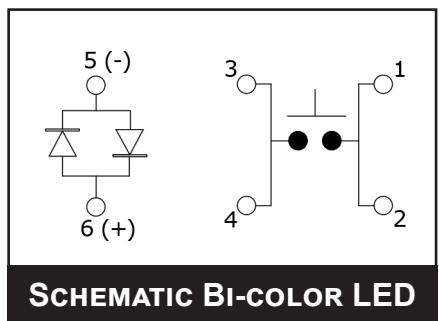
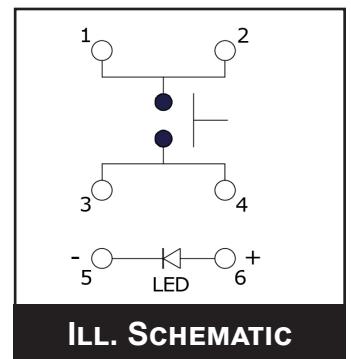
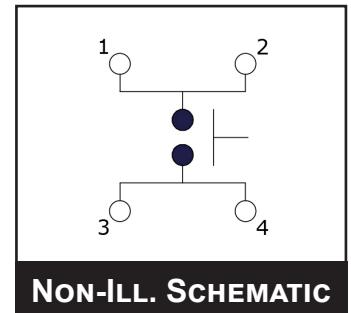
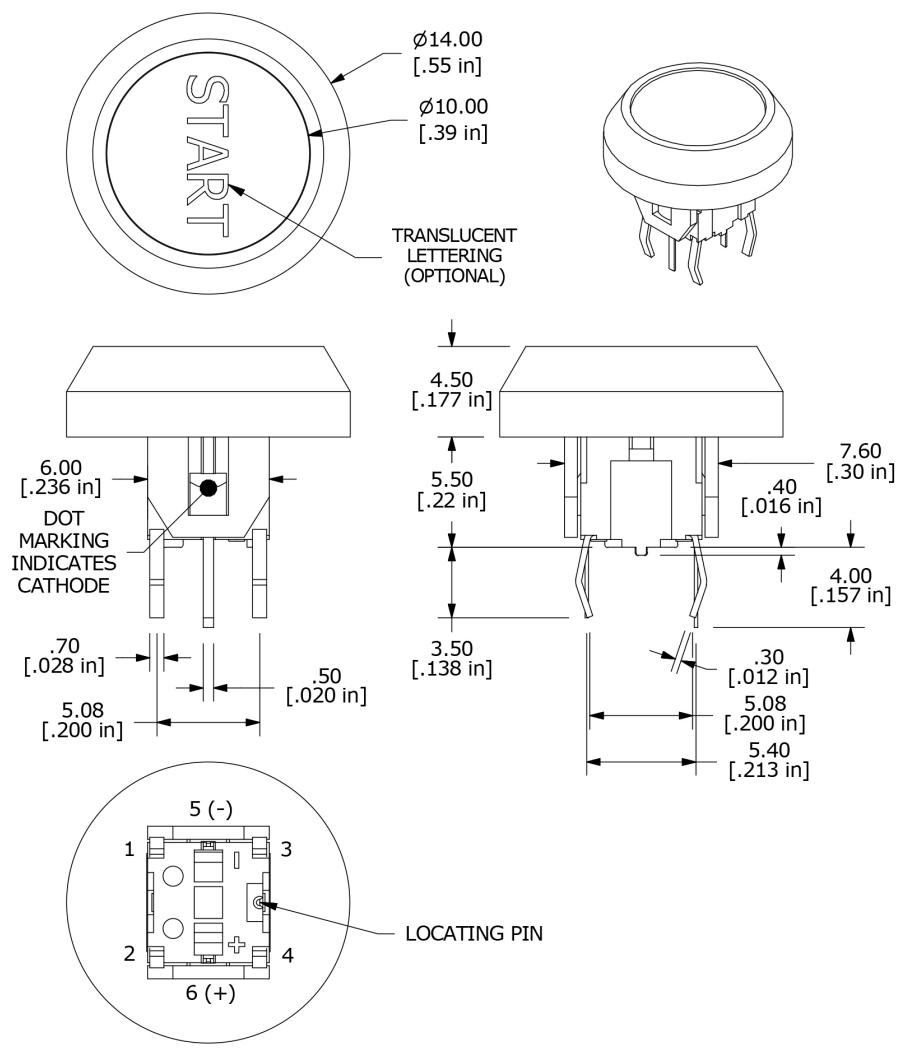
SLIDE
SWITCHES

SNAP ACTION
SWITCHES

TACTILE
SWITCHES

TOGGLE
SWITCHES

CAP
OPTIONS



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SWITCHES

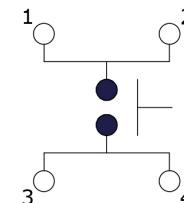
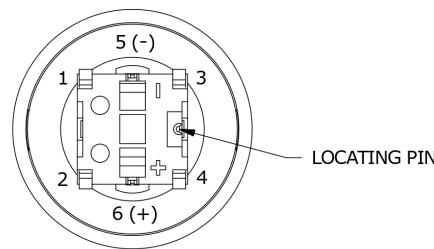
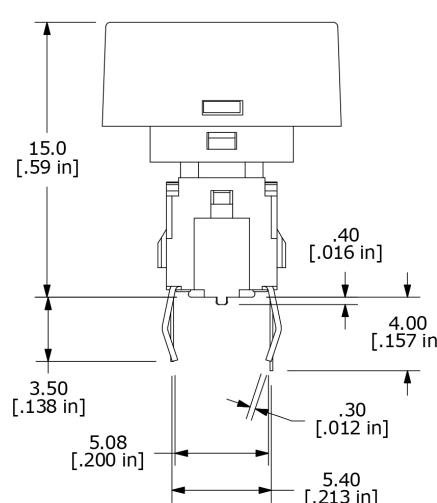
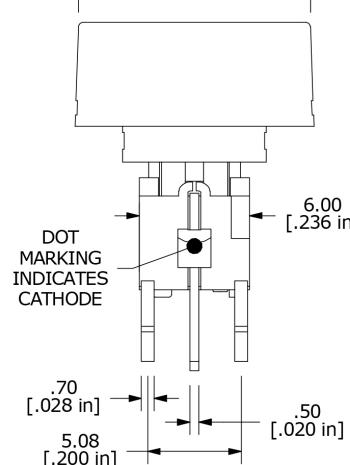
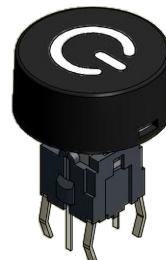
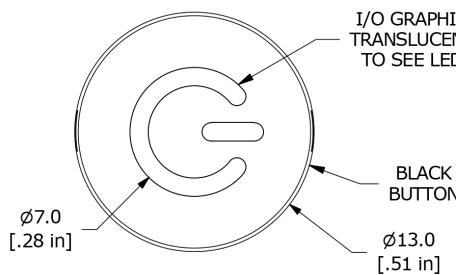
SNAP ACTION
SWITCHES

TACTILE
SWITCHES

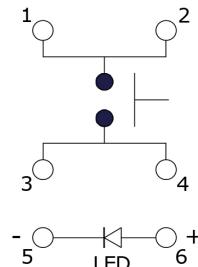
TOGGLE
SWITCHES

CAP
OPTIONS

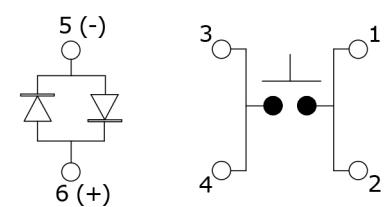
R4 BUTTON - 13MM DIA. W/ ILLUMINATED I/O



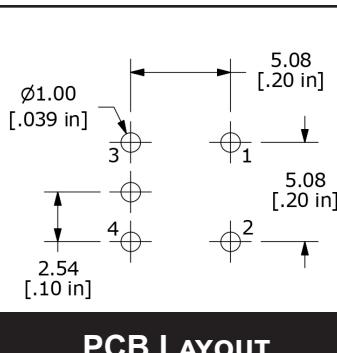
NON-ILL. SCHEMATIC



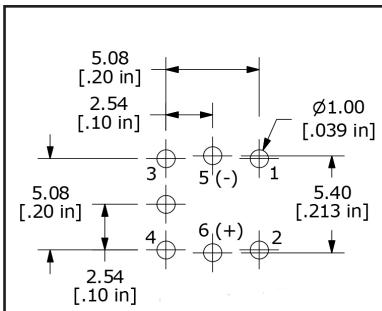
ILL. SCHEMATIC



SCHEMATIC BI-COLOR LED



PCB LAYOUT
NON-ILLUMINATED



PCB LAYOUT
ILLUMINATED



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R5 BUTTON - 8MM DIA. TRANSLUCENT

ANTI-VANDAL
SWITCHES

DETECTOR
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SWITCHES

KEYLOCK
SWITCHES

NAVIGATION
SWITCHES

PUSHBUTTON
SWITCHES

ROCKER
SWITCHES

ROTARY
SWITCHES

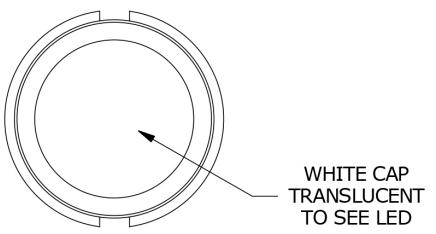
SLIDE
SWITCHES

SNAP ACTION
SWITCHES

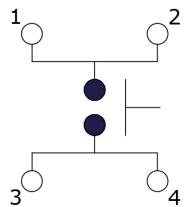
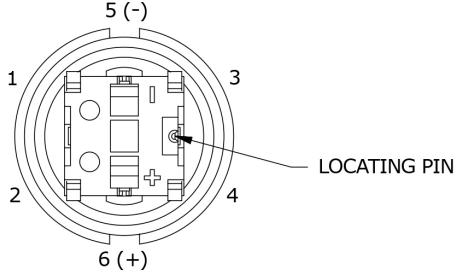
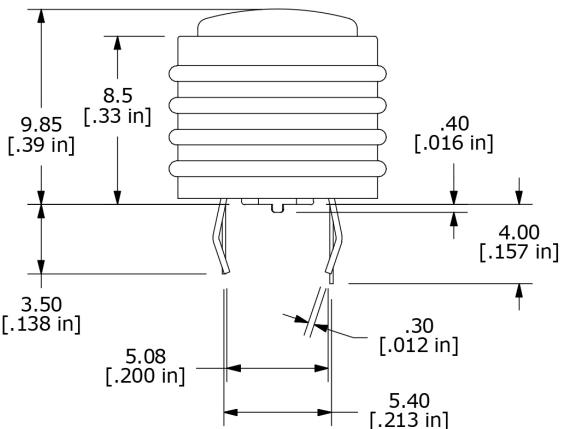
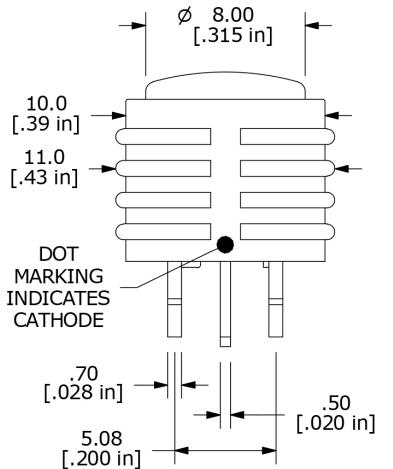
TACTILE
SWITCHES

TOGGLE
SWITCHES

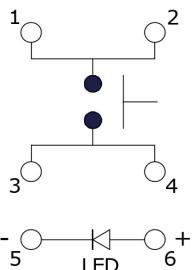
CAP
OPTIONS



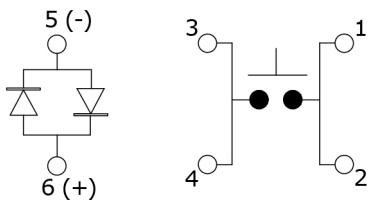
WHITE CAP
TRANSLUCENT
TO SEE LED



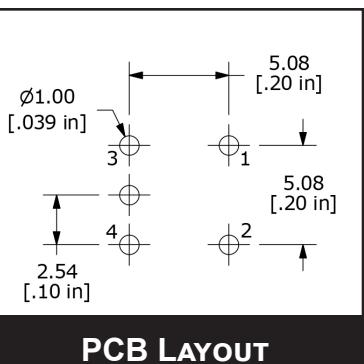
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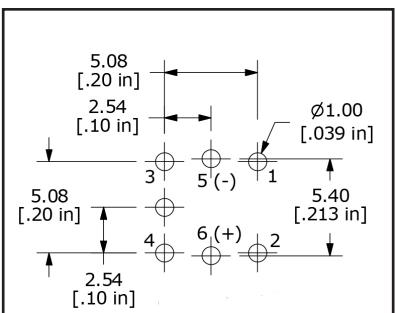
ILL. SCHEMATIC



SCHEMATIC BI-COLOR LED



PCB LAYOUT
NON-ILLUMINATED



PCB LAYOUT
ILLUMINATED

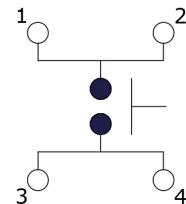
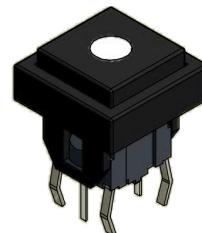
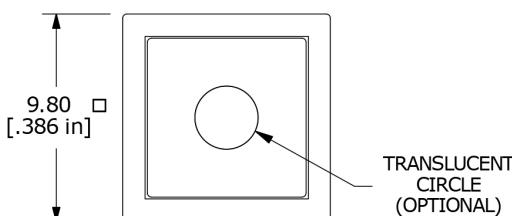


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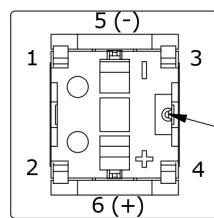
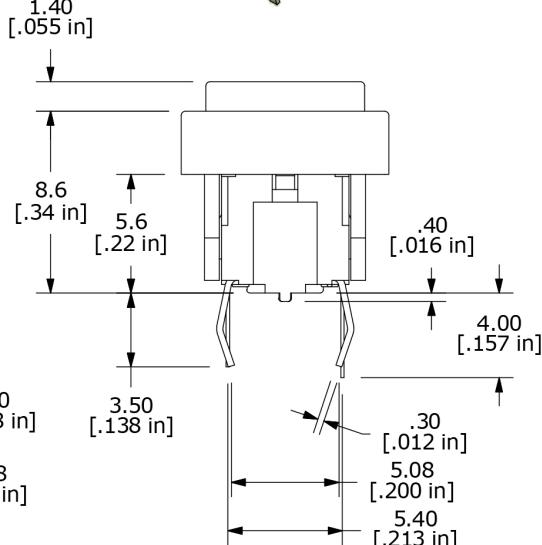
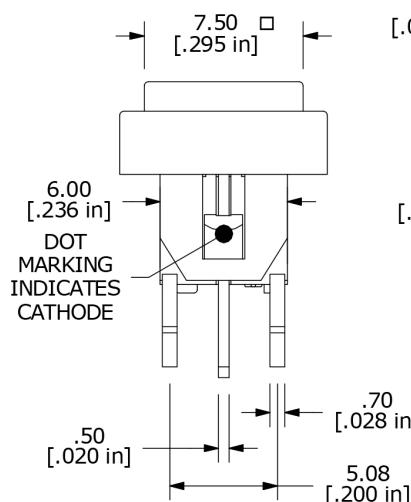
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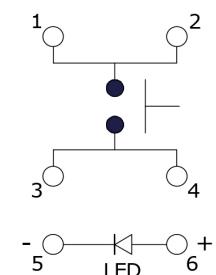
S1 BUTTON - 7.5MM SQUARE SHORT



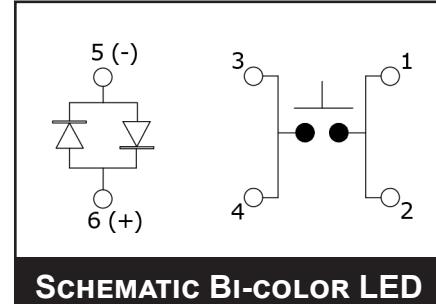
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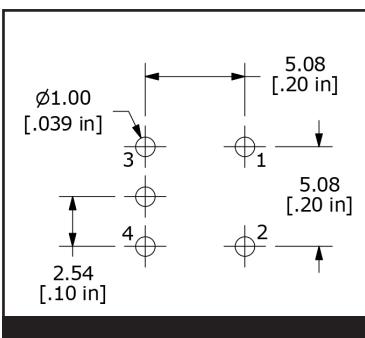
LOCATING PIN



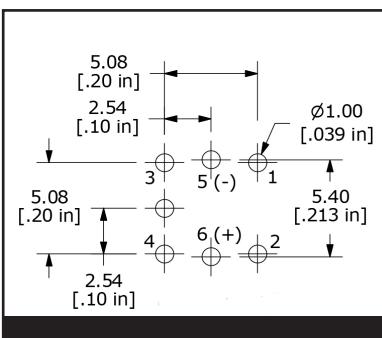
ILL. SCHEMATIC



SCHEMATIC BI-COLOR LED



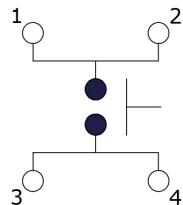
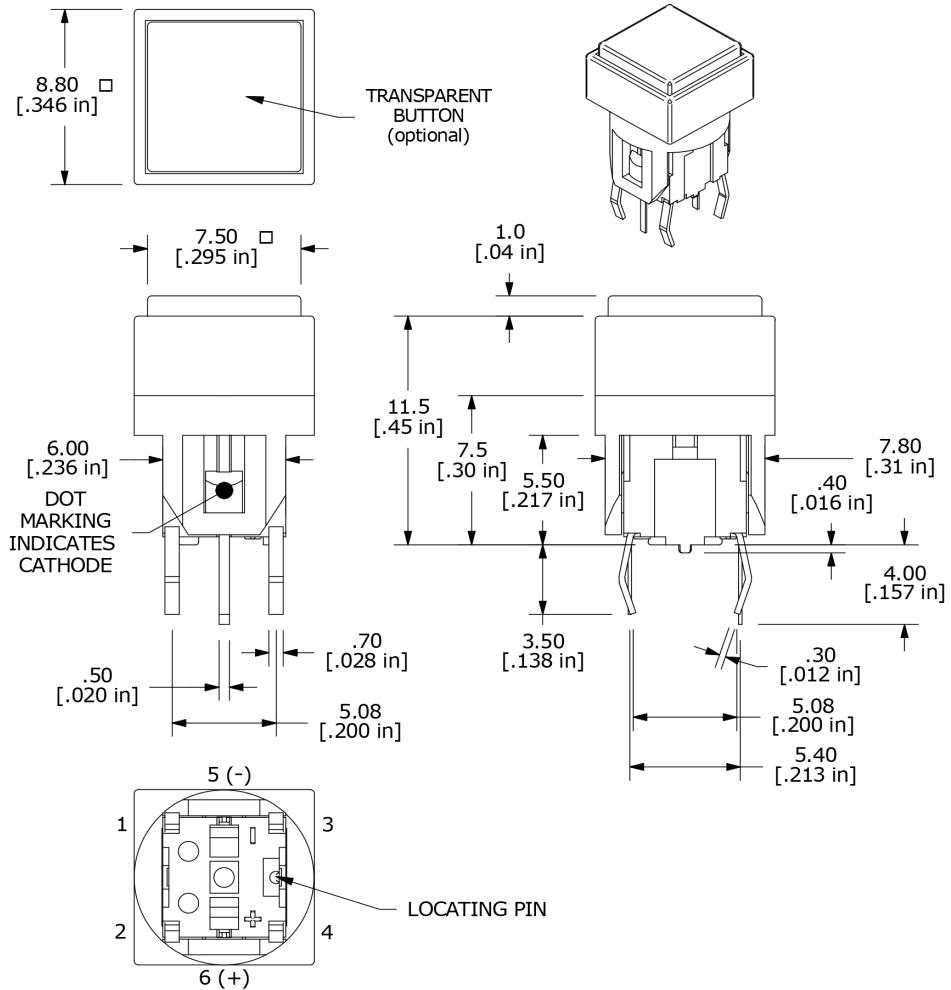
**PCB LAYOUT
NON-ILLUMINATED**



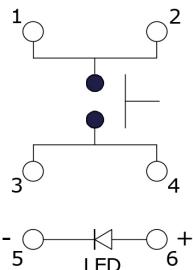
**PCB LAYOUT
ILLUMINATED**

TL1220 SERIES

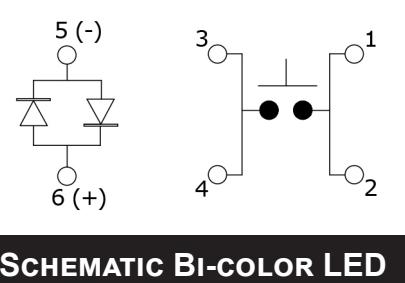
S2 BUTTON - 7.5 MM SQUARE TALL



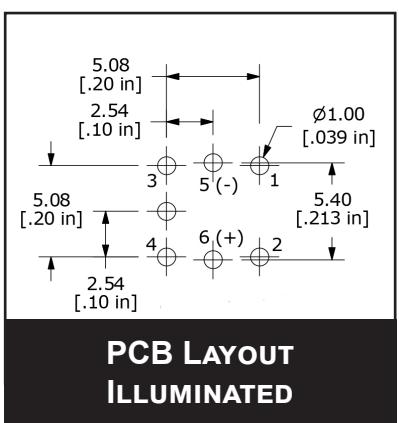
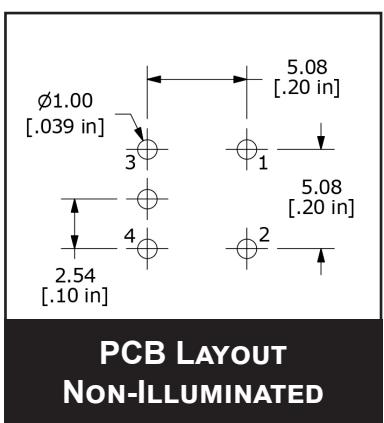
NON-ILL. SCHEMATIC



ILL. SCHEMATIC



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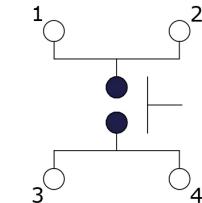
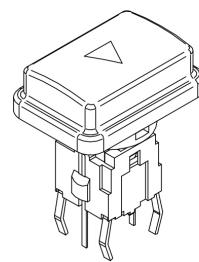
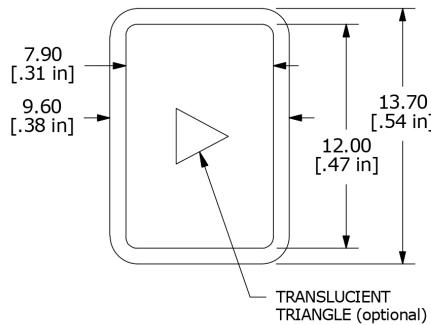
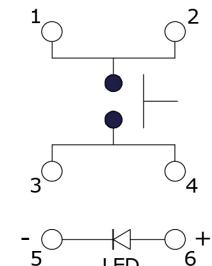
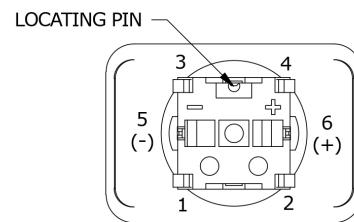
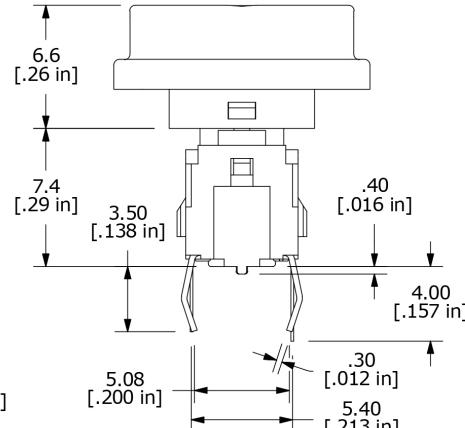
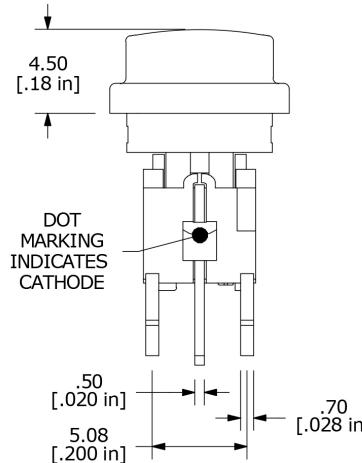
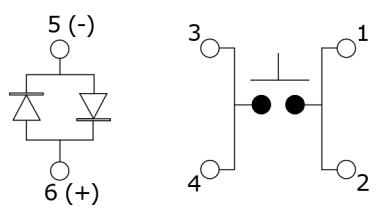
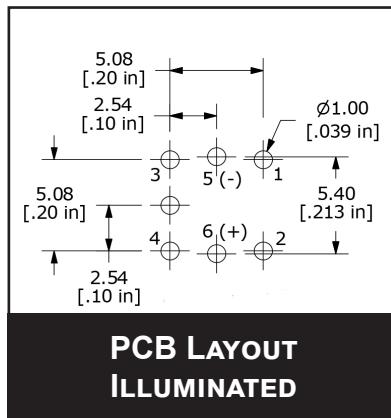
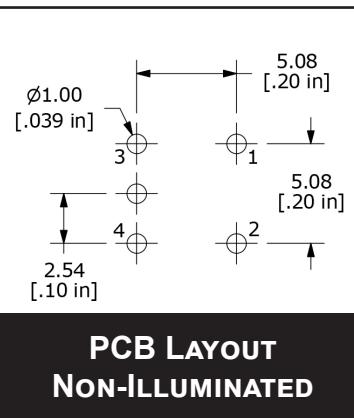
SNAP ACTION
SWITCHES

TOGGLE
SWITCHES

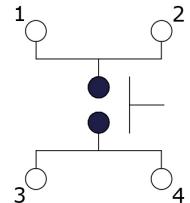
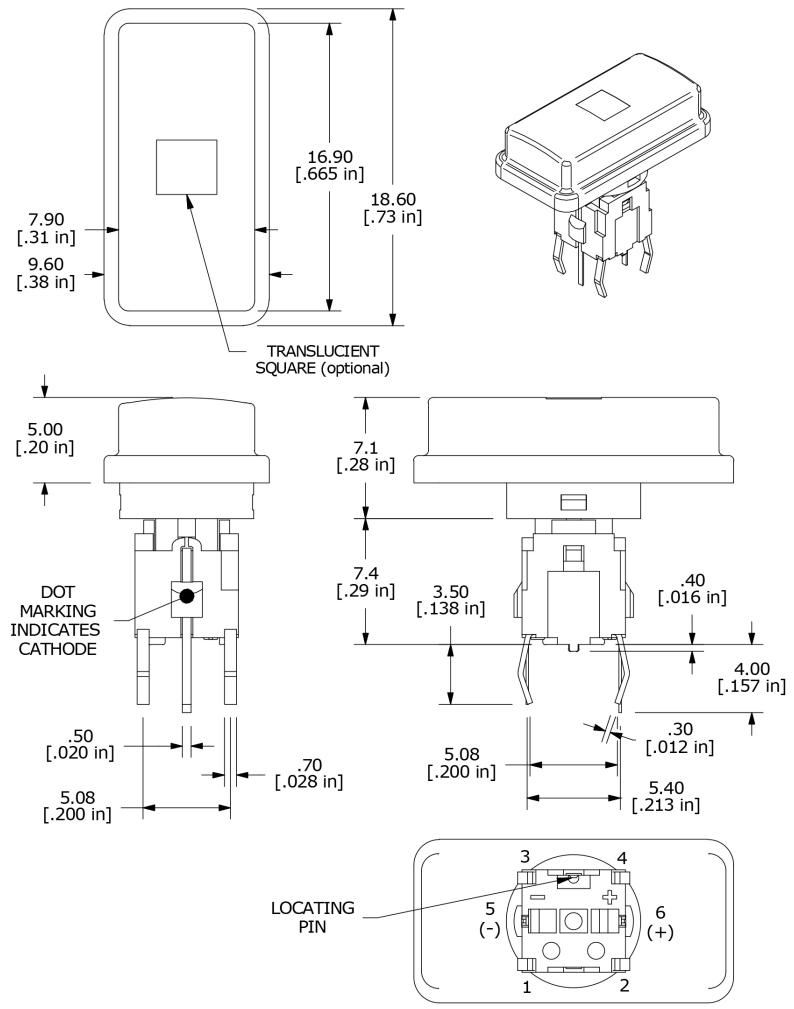
CAP
OPTIONS

TOGGLE
SWITCHES

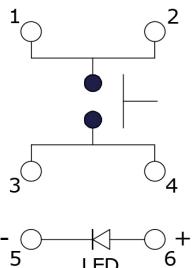
S3 BUTTON - 10x14MM RECTANGLE


NON-ILL. SCHEMATIC

ILL. SCHEMATIC

SCHEMATIC BI-COLOR LED


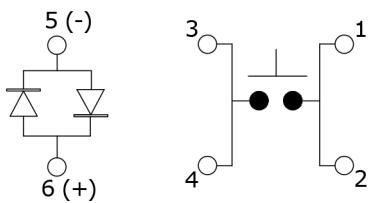
S4 BUTTON - 10x19MM RECTANGLE



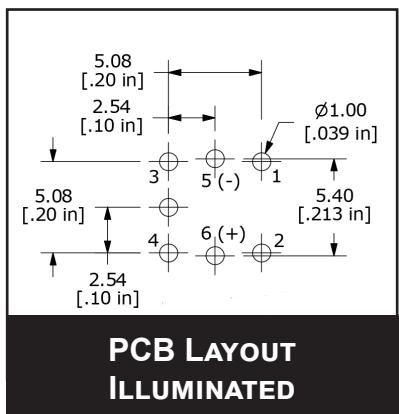
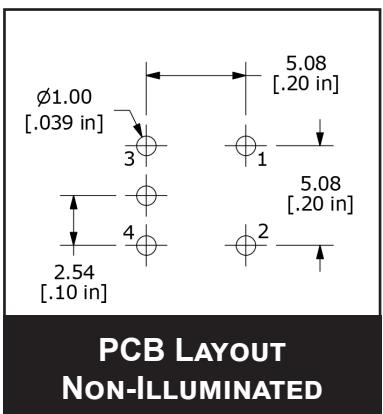
NON-ILL. SCHEMATIC



ILL. SCHEMATIC



SCHEMATIC Bi-COLOR LED



ANTI-VANDAL
SWITCHES

DETECTOR
SWITCHES

DIP
SWITCHES

KEYLOCK
SWITCHES

NAVIGATION
SWITCHES

PUSHBUTTON
SWITCHES

ROCKER
SWITCHES

ROTARY
SWITCHES

SLIDE
SWITCHES

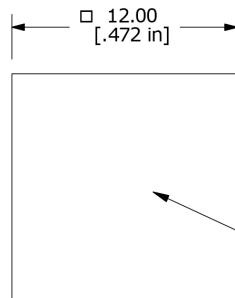
SNAP ACTION
SWITCHES

TACTILE
SWITCHES

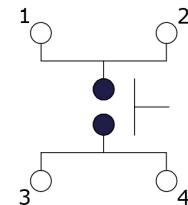
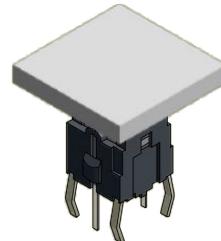
TOGGLE
SWITCHES

CAP
OPTIONS

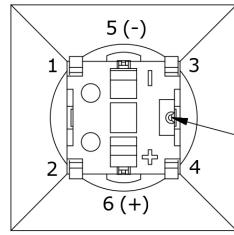
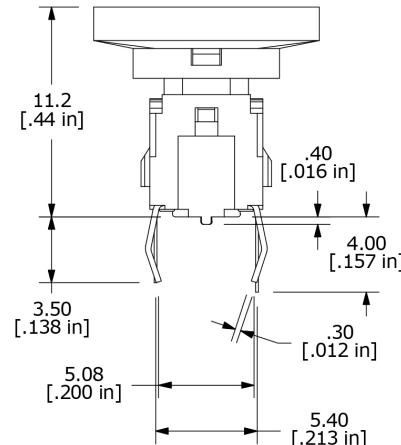
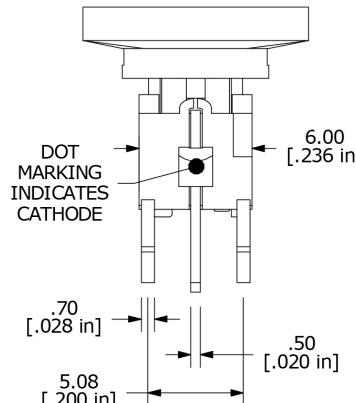
S5 BUTTON - 12MM SQUARE



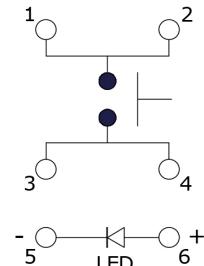
WHITE CAP
TRANSLUCENT
TO SEE LED



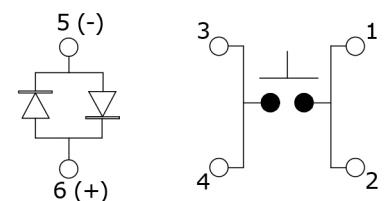
NON-ILL. SCHEMATIC



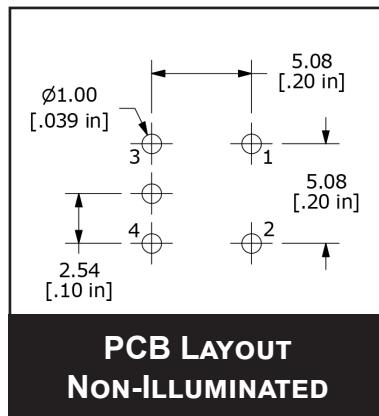
LOCATING PIN



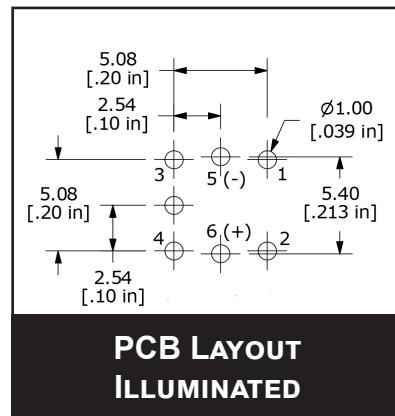
ILL. SCHEMATIC



SCHEMATIC BI-COLOR LED



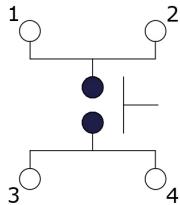
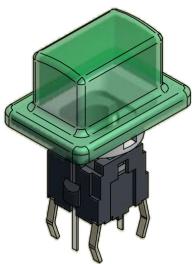
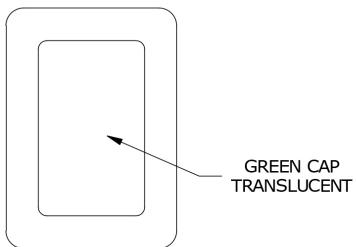
**PCB LAYOUT
NON-ILLUMINATED**



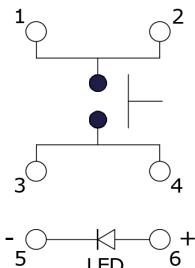
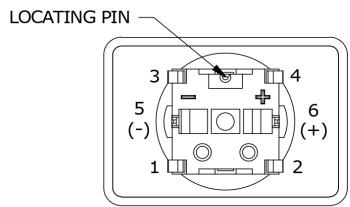
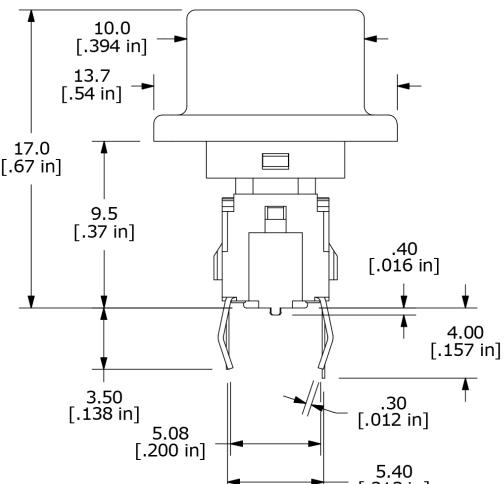
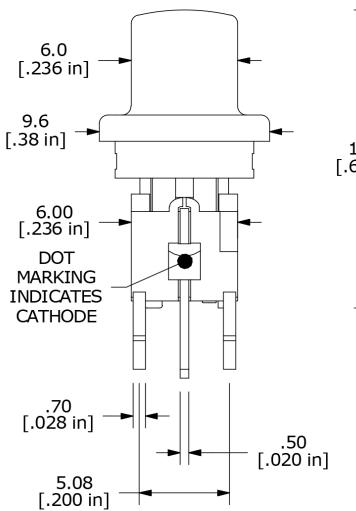
**PCB LAYOUT
ILLUMINATED**

TL1220 SERIES

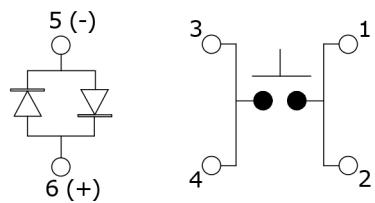
S6 BUTTON - 9.6x13.7MM RECTANGLE GREEN TRANSLUCENT



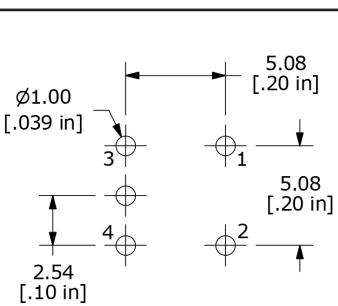
NON-ILL. SCHEMATIC



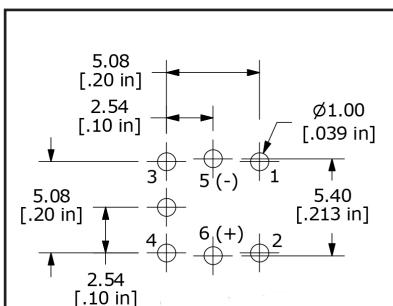
ILL. SCHEMATIC



SCHEMATIC BI-COLOR LED



**PCB LAYOUT
NON-ILLUMINATED**



**PCB LAYOUT
ILLUMINATED**

ANTI-VANDAL
SWITCHES

DETECTOR
SWITCHES

DIP
SWITCHES

KEYLOCK
SWITCHES

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SWITCHES

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SLIDE
SWITCHES

SNAP ACTION
SWITCHES

TACTILE
SWITCHES

TOGGLE
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CAP
OPTIONS



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