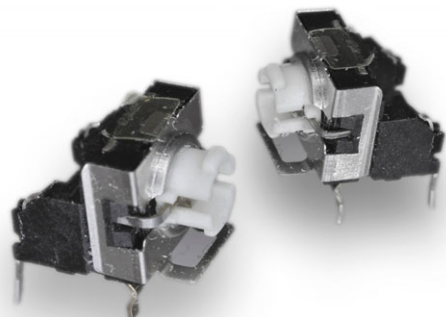
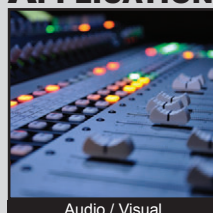


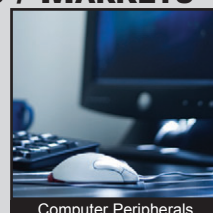
TL6215 SERIES TACT SWITCH



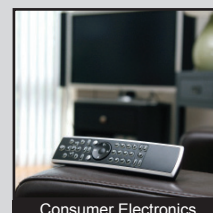
APPLICATIONS / MARKETS



Audio / Visual



Computer Peripherals



Consumer Electronics



Instrumentation



Telecommunication



Medical Equipment

RoHS

SPECIFICATIONS

Electrical Rating: 50mA @ 12VDC
Electrical Life: 500,000 Cycles
Mechanical Life: 500,000 Cycles
Contact Resistance: 100mΩ Max.
Insulation Resistance: 100M Ω Min. at 500VDC
Dielectric Strength: 250VAC for 1 min.
Operating Temperature: -20°C to 70°C
Storage Temperature: -20°C to 70°C
Operating Force: 200 gf; 450 gf
Travel: 0.45mm
Dust/Moisture Protection: IP67
Contact Arrangement: SPST

FEATURES & BENEFITS

- Illumination options
- Right angle or vertical thru hole mount
- IP67 ratings
- Multiple cap options

PART NUMBER CONFIGURATOR

Series	Model	Termination Type	Actuation Force	LED Color	Cap Option*	Cap Color**
TL	6215	V - Vertical Thru Hole R - Right Angle Thru Hole*	F200 - 200 gf F450 - 450 gf	N - None R - Red G - Green B - Blue Y - Yellow W - White	N - No Cap B - B Style Cap D - D Style Cap* E - E Style Cap G - G Style Cap	N - No Cap T - Transparent K - Black** S - Silver**

* Right Angle option with cap is only available with "D" Cap

** K and S cap colors are opaque unless a laser etch graphic is created on the top surface

Specifications subject to change without notice



E-SWITCH®

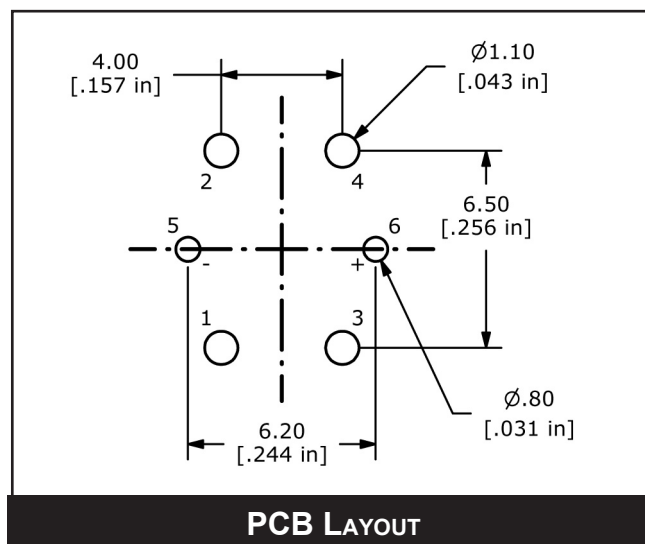
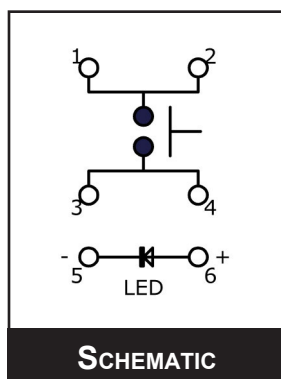
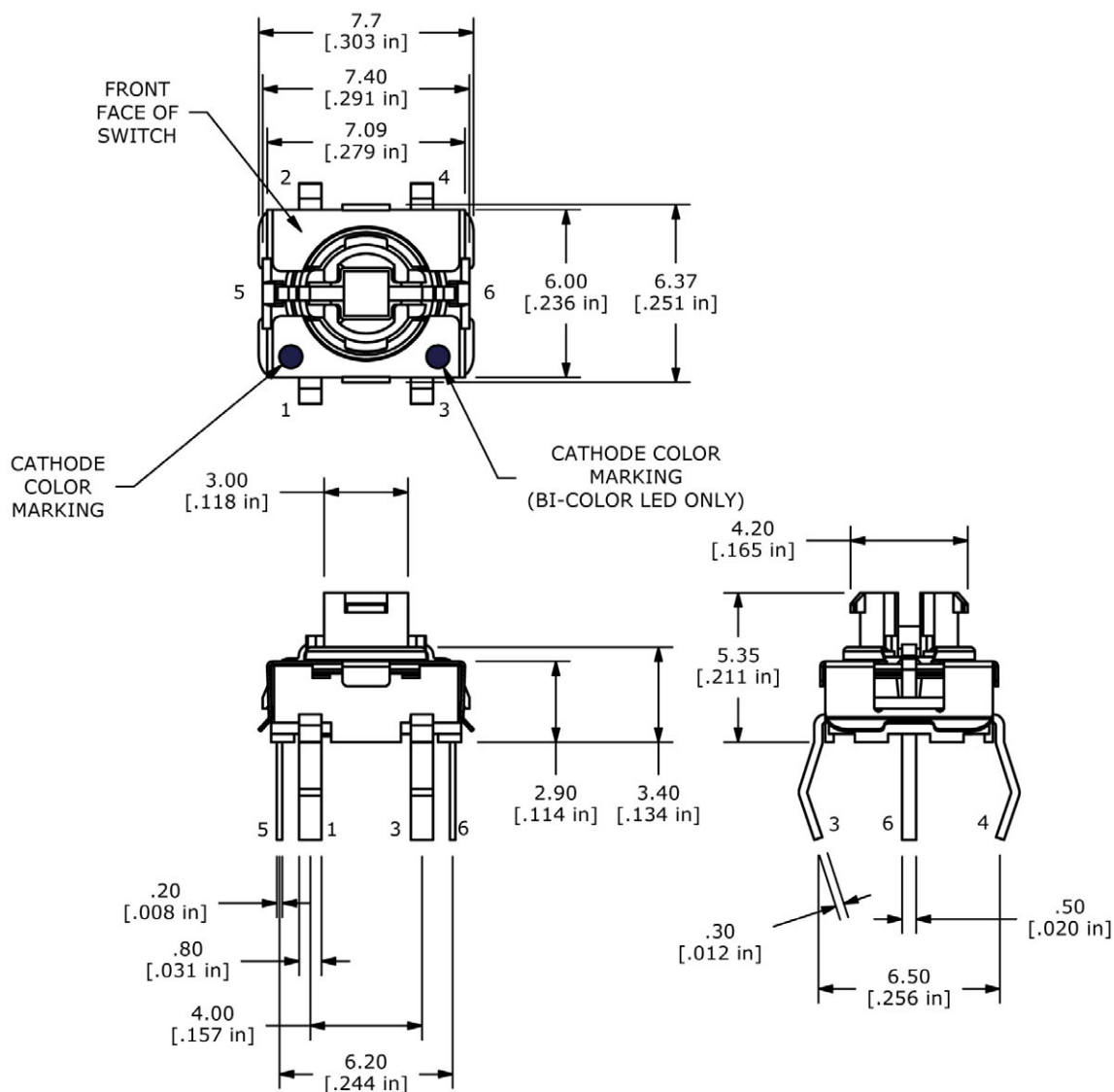
www.e-switch.com

800.867.2717

2

TL6215 SERIES TACT SWITCH

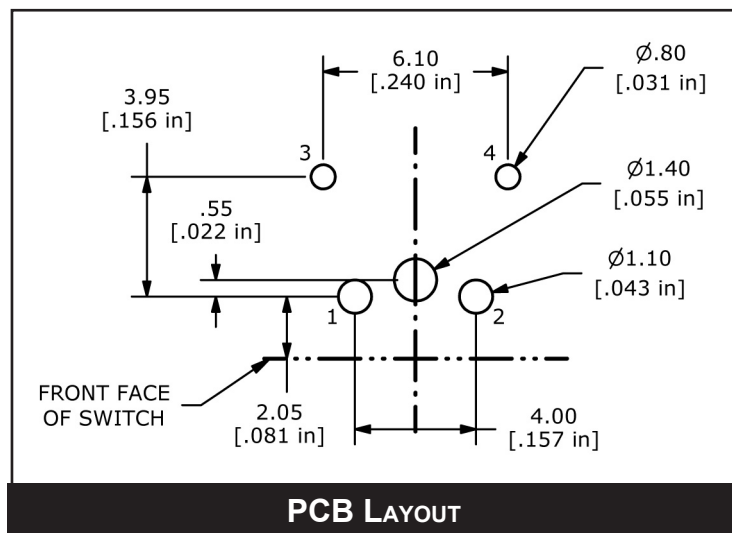
BODY DIMENSIONS VERTICAL



CAP OPTIONS	TOGGLE SWITCHES	TACTILE SWITCHES	SNAP ACTION SWITCHES	SLIDE SWITCHES	ROTARY SWITCHES	ROCKER SWITCHES	PUSHBUTTON SWITCHES	NAVIGATION SWITCHES	KEYLOCK SWITCHES	DIP SWITCHES	DETECTOR SWITCHES	ANTI-VANDAL SWITCHES
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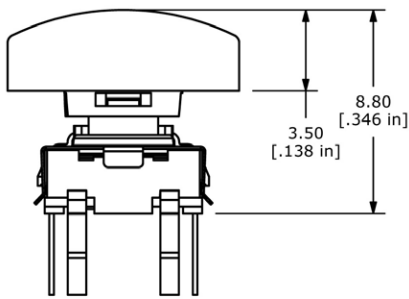
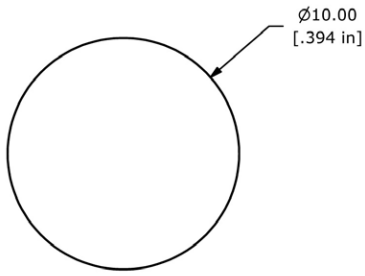
The drawing illustrates the mechanical specifications of the 16-pin DIP package across three views:

- Top View:** Shows the package footprint with a total width of 7.70 [303 in] and a total length of 6.50 [256 in]. It includes dimensions for the front face of the switch (7.40 [291 in] and 7.09 [279 in]), cathode color marking (6.40 [252 in]), and pin spacing (.50 [020 in]). Pin numbers 1, 2, 3, and 4 are indicated.
- Side View:** Shows the package height and internal structure. Key dimensions include a total height of 4.20 [165 in], a mounting hole diameter of 1.20 [047 in], and a mounting hole offset of 2.90 [114 in]. It also shows the cathode color marking (4.15 [163 in]) and the distance from the mounting hole to the package edge (1.20 [047 in]).
- Bottom View:** Shows the underside of the package with a total width of 7.40 [291 in] and a total length of 4.60 [181 in]. It includes dimensions for the mounting hole diameter (1.20 [047 in]), the distance from the mounting hole to the package edge (2.60 [102 in]), and the distance from the mounting hole to the package center (.50 [020 in]).

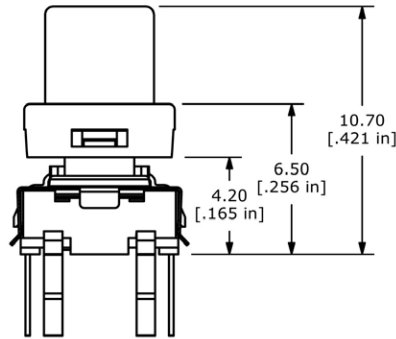
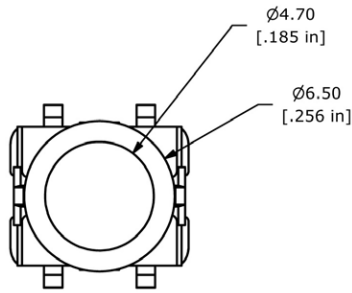


TL6215 SERIES TACT SWITCH

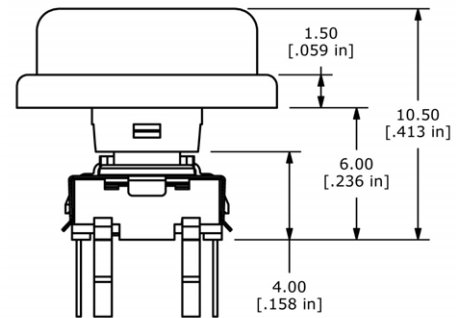
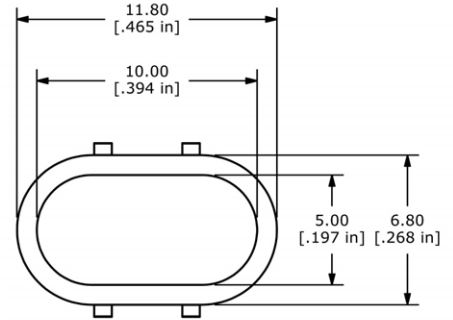
CAP OPTIONS



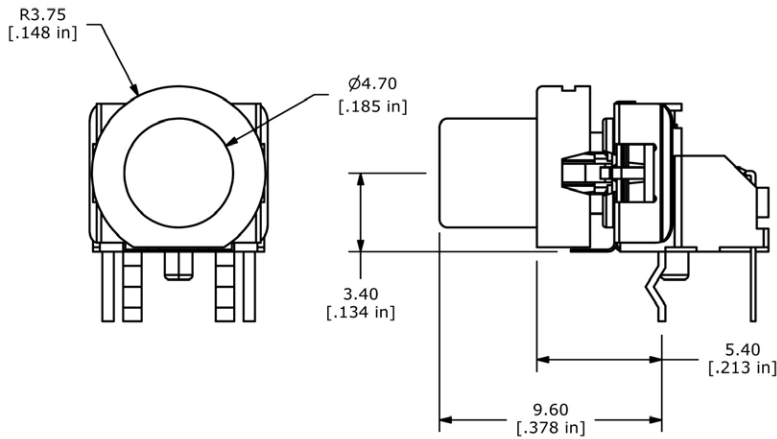
B Cap Option



E Cap Option



G Cap Option



D Cap Option

LED CHART			
COLOR	FORWARD CURRENT	FORWARD VOLTAGE	ILLUMINOUS INTENSITY
BLUE	20mA	3.3 V TYP	80mcd TYP
GREEN	20mA	2.1 V TYP	50mcd TYP
RED	20mA	1.95 V TYP	220mcd TYP
YELLOW	20mA	2.0 V TYP	180mcd TYP
WHITE	20mA	3.0V TYP	450mcd TYP

