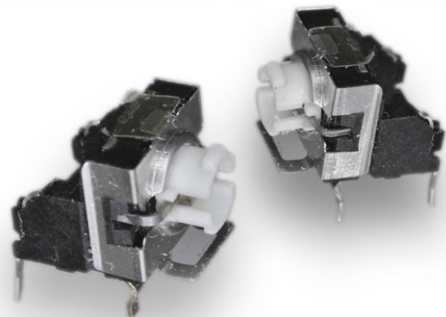
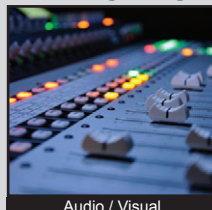


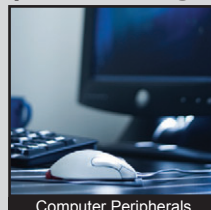
TL6215 SERIES TACT SWITCH



APPLICATIONS / MARKETS



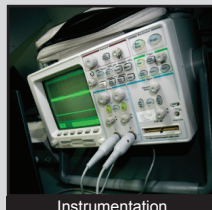
Audio / Visual



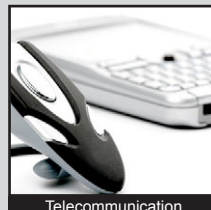
Computer Peripherals



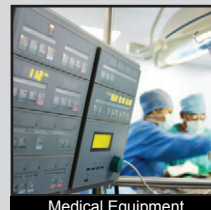
Consumer Electronics



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	F200	N	N	N
		V - Vertical Thru Hole	F200 - 200 gf	N - None	N - No Cap	N - No Cap
		R - Right Angle Thru Hole*	F450 - 450 gf	R - Red	B - B Style Cap	T - Transparent
				G - Green	D - D Style Cap*	K - Black**
				B - Blue	E - E Style Cap	S - Silver**
				Y - Yellow	G - G Style Cap	
				W - White		

* 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

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 drawings of the 1250000-0000 LED switch, showing front, top, and side views with dimensions in inches and millimeters.

Front View Dimensions:

- Overall width: 7.7 [303 in]
- Distance from left edge to center: 7.40 [291 in]
- Distance from left edge to right edge: 7.09 [279 in]
- Distance from center to right edge: 6.00 [236 in]
- Distance from center to right edge (including mounting tab): 6.37 [251 in]
- Mounting tab width: 3.00 [118 in]
- Distance from center to mounting tab: 4.20 [165 in]
- Distance from center to mounting tab (including mounting tab): 5.35 [211 in]
- Distance from center to mounting tab (including mounting tab and LED): 6.50 [256 in]
- Distance from center to mounting tab (including mounting tab and LED): 6.20 [244 in]
- Distance from center to mounting tab (including mounting tab and LED): 6.00 [236 in]
- Distance from center to mounting tab (including mounting tab and LED): 6.37 [251 in]

Top View Dimensions:

- Overall width: 7.7 [303 in]
- Distance from left edge to center: 7.40 [291 in]
- Distance from left edge to right edge: 7.09 [279 in]
- Distance from center to right edge: 6.00 [236 in]
- Distance from center to right edge (including mounting tab): 6.37 [251 in]
- Mounting tab width: 3.00 [118 in]
- Distance from center to mounting tab: 4.20 [165 in]
- Distance from center to mounting tab (including mounting tab): 5.35 [211 in]
- Distance from center to mounting tab (including mounting tab and LED): 6.50 [256 in]
- Distance from center to mounting tab (including mounting tab and LED): 6.20 [244 in]
- Distance from center to mounting tab (including mounting tab and LED): 6.00 [236 in]
- Distance from center to mounting tab (including mounting tab and LED): 6.37 [251 in]

Side View Dimensions:

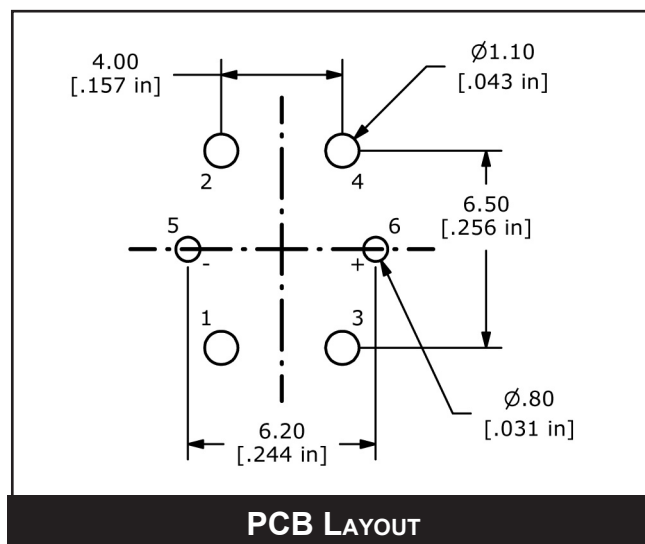
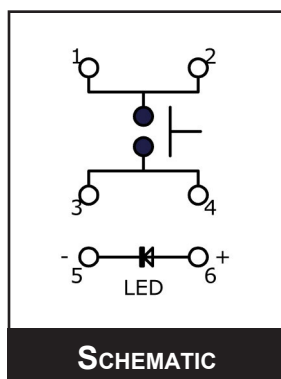
- Overall height: 4.20 [165 in]
- Distance from top edge to center: 5.35 [211 in]
- Distance from top edge to center (including mounting tab): 6.50 [256 in]
- Distance from top edge to center (including mounting tab and LED): 6.20 [244 in]
- Distance from top edge to center (including mounting tab and LED): 6.00 [236 in]
- Distance from top edge to center (including mounting tab and LED): 6.37 [251 in]

Other Dimensions:

- Distance from center to mounting tab: 4.20 [165 in]
- Distance from center to mounting tab (including mounting tab): 5.35 [211 in]
- Distance from center to mounting tab (including mounting tab and LED): 6.50 [256 in]
- Distance from center to mounting tab (including mounting tab and LED): 6.20 [244 in]
- Distance from center to mounting tab (including mounting tab and LED): 6.00 [236 in]
- Distance from center to mounting tab (including mounting tab and LED): 6.37 [251 in]

Labels:

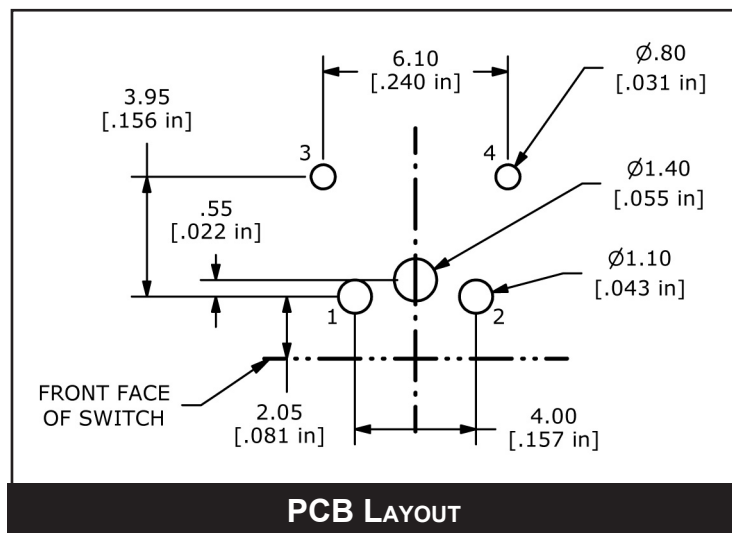
- FRONT FACE OF SWITCH
- CATHODE COLOR MARKING (BI-COLOR LED ONLY)
- CATHODE COLOR MARKING



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
----------------	--------------------	---------------------	-------------------------	-------------------	--------------------	--------------------	------------------------	------------------------	---------------------	-----------------	----------------------	-------------------------

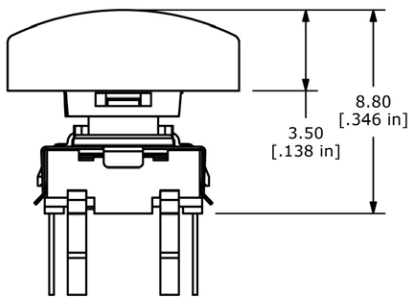
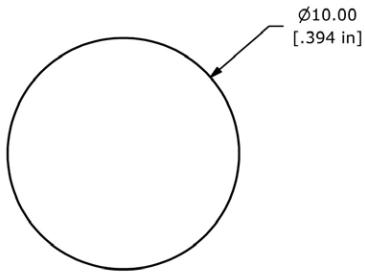
The drawing illustrates the mechanical specifications of the 16-pin DIP package across three views:

- 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 tab height of 1.20 [047 in], and a base thickness of .20 [008 in]. It also shows the cathode color marking (4.15 [163 in]) and the distance from the base to the top of the package (3.40 [134 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 tab (2.60 [102 in]), the distance from the base to the top of the package (4.45 [175 in]), and the distance from the base to the top of the package (3.93 [155 in]).

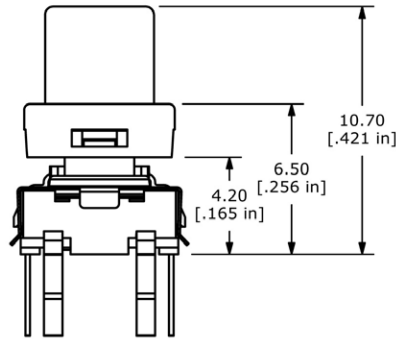
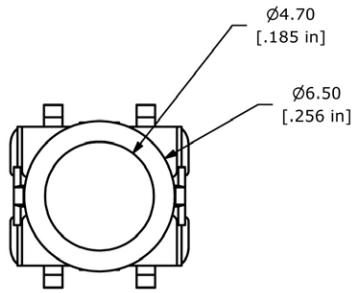


TL6215 SERIES TACT SWITCH

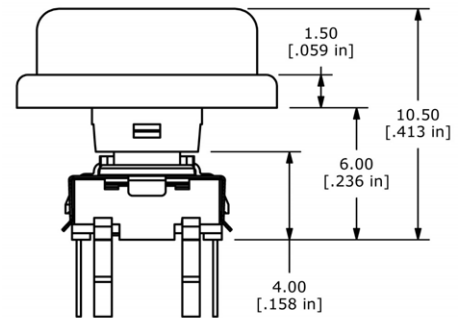
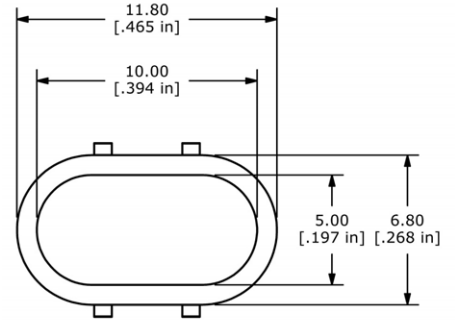
CAP OPTIONS



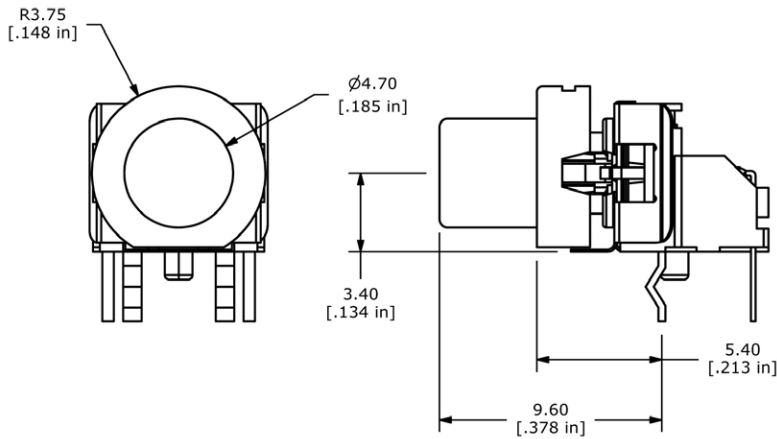
B Cap Option



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



Mouser Electronics

Authorized Distributor

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

E-Switch:

[TL6215VF200BET](#) [TL6215VF200BGT](#) [TL6215VF200GBT](#) [TL6215VF450RNN](#) [TL6215VF200GGT](#)
[TL6215VF200RBT](#) [TL6215VF200RGT](#) [TL6215VF450BNN](#) [TL6215VF200RET](#) [TL6215VF200BNN](#) [TL6215VF200GET](#)
[TL6215VF450GNN](#) [TL6215VF200RNN](#) [TL6215VF200BBT](#) [TL6215VF200GNN](#) [TL6215RF200BNN](#)
[TL6215RF200GNN](#) [TL6215RF200RNN](#) [TL6215RF450BNN](#) [TL6215RF450GNN](#) [TL6215RF450RNN](#)
[TL6215VF450BBT](#) [TL6215VF450NBT](#) [TL6215VF450NGK](#)