



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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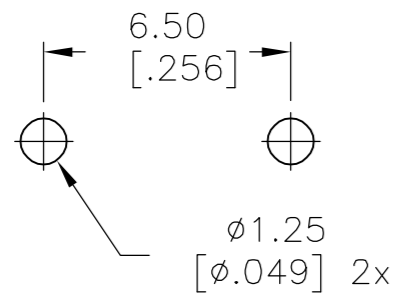
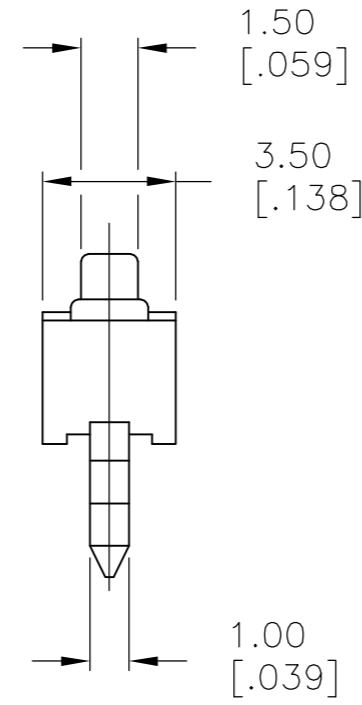
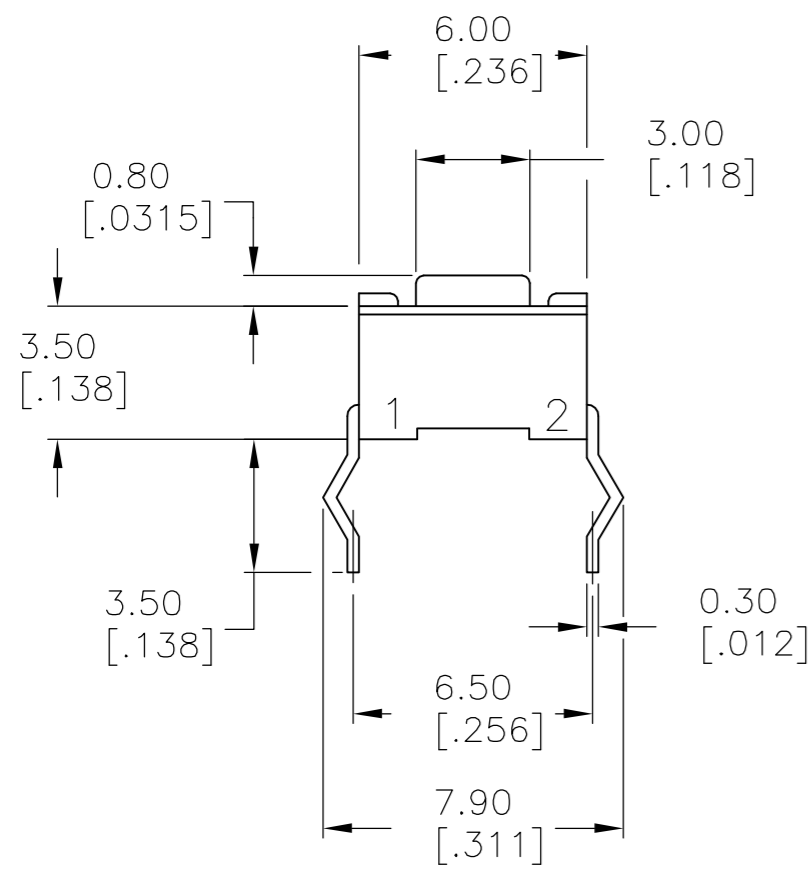
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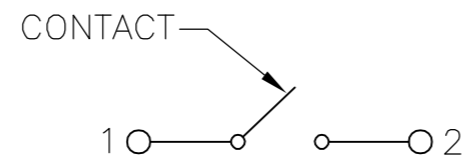


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LOC		DIST		REVISIONS			
P	LTR	DESCRIPTION		DATE	DWN	APVD	
	A	ECO-07-001263		13FEB2007	RB	MS	



P.C. HOLE LAYOUT  
 TOLERANCE ±.002,  
 UNLESS OTHERWISE NOTED



CIRCUIT DIAGRAM  
 NOTE: TERMINAL NUMBERS  
 ARE FOR REFERENCE ONLY  
 AND DO NOT APPEAR ON  
 SWITCHES.

**SPECIFICATIONS:**

**Materials:**

- Case, Nylon 66, UL94HB, Natural finish
- Cover, Stainless Steel
- Actuator, PBT UL94HB, Black
- Moving contact, Copper Alloy, Silver finish
- Fixed contact/Terminal, Copper Alloy, Silver over Nickel finish

**Electrical:**

- Max Contact Rating, 50mA@ 24V DC, Per EIA-448, Method 6
- Min Contact Rating, 10microamp@1V DC
- Initial Contact resistance, 50 milliohms max, Per EIA-364-23B, each position
- Insulation Resistance, 1000 Megohm min. Per EIA-364-21C each position
- Dielectric strength, 500 V AC for 1 minute, Per EIA-364-20B, Condition 1, each position.
- Life Expectancy, 100,000 cycles

**Mechanical:**

- Actuation force, SEE P/N TABLE
- Actuation Travel, .25 +.20/-.10 mm
- Life Expectancy, 100,000 cycles min (2 cycles per second and 150% actuation force), Per EIA-448 Methods 8 and 9
- Vibration, Per EIA 364-28D, Condition VII, Level E
- Mechanical Shock, Per EIA-364-27C, Condition A

**Environmental:**

- Operating Temperature, -35 to +85 degrees C, Per EIA-448, Method 10
- Storage Temperature, -35 to +85 degrees C
- Humidity and Temperature Cycling Per EIA-364-31B, Method III
- Thermal Shock, Per EIA-364-32C, -35 to +85 degrees C
- Solderability, Per EIA-364-52, Class 2, Category 1, Temp, 245 degrees C max, Time, 2.5 seconds max, 95% Minimum coverage
- Resistance to Solder Heat, Per 109-202, Condition B
- 1. No change in initial electrical and mechanical characteristics

**NOTES:**

- ALL MATERAILS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003(ROHS).

100,000	130±50gf	FSMCH	1825966-1
LIFE CYCLE	ACTUATION FORCE	ALCO PART NUMBER	TYCO PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	R BROWN	13FEB2007	Tyco Electronics Corporation Harrisburg, PA 17105-3608			
DIMENSIONS:		CHK	M SARVER	13FEB2007				
mm [INCHES]		APVD	M SARVER	13FEB2007				
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC						
0 PLC ± -		APPLICATION SPEC			NAME			
1 PLC ± -		WEIGHT			TACT SWITCH, 3.5 x 6.0 x 4.3 mm, HIGH TEMP, FSMCH			
2 PLC ± 0.30[.012]		SCALE			SIZE			
3 PLC ± -		CAGE CODE			CAGE CODE			
4 PLC ± -		DRAWING NO			DRAWING NO			
ANGLES ± -		RESTRICTED TO			RESTRICTED TO			
FINISH		SCALE			SCALE			
SEE SPECIFICATIONS		SHEET			SHEET			
SEE SPECIFICATIONS		REV			REV			