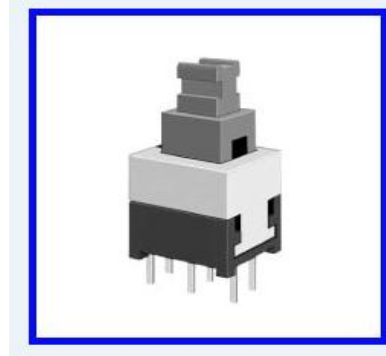


S.T. INDUSTRIAL (ASIA) LIMITED

Specifications 技術特性表

PART NO.	型號 :	PB-22E08-BY
SERIES	系列 :	PUSH BUTTION SWITCH
RATING	額定值 :	0.1A 12V DC
CIRCUIT	回路 :	2P2T
TIMING	切換類型 :	NON SHORRTING



A: OPERATING TEMPERATURE RANGE IS -10°C TO 60°C. IT IS USUALLY APPLIED TO ELECTRONIC AND ELECTRICAL APPLIANCE PRODUCTS.

溫度 -10°C~60°C 環境內使用。一般適用於電子、電氣方面產品使用。

B: STANDARD TEST TEMPERATURE SHALL BE 5°C TO 35°C AND HUMIDITY

SHALL BE 45% TO 85% .

溫度 5~35°C , 濕度 45~85% 標準狀態下測試。

ITEM 項目		TEST CONDITION 測試條件	PERFORMANCE 性能
ELECTRONICAL PERFORMANCE 電氣性能			
1	CONTACT RESISTANCE 接觸電阻	MEASURED AT SMALL CURRENT (100 mA OR LESS)在微小電流(100mA) 以下測試	70 mΩ max. 70毫歐 以下。
2	INSULATION RESISTANCE 絕緣電阻	APPLY VOLTAGE OF 500V DC SHALL BE APPLIED FOR 1 MIN. AFTER WHICH MEASUREMENT SHALL BE MADE. (1)BETWEEN TERMINALS (2)BETWEEN INDIVIDUAL TERMINALS AND FRAME 輸入500V DC電壓1分鐘,按以下接觸方法測試 (1) 接觸端子之間 (2) 插座體與端子之間	100MΩ min. 100兆歐 以上。
3	WITHSTAND VOLTAGE 耐電壓	AC 500V rms (50-60Hz) FOR 1 MIN TRIP CURRENT:0.5 mA (1) BETWEEN TERMINALS (2) BETWEEN INDIVIDUAL TERMINALS AND FRAME 輸入AC500V (50-60Hz)電壓1分鐘,按以下接觸方法測試 (1)接觸端子之間 (2)插座體與端子之間	WITHOUT DAMAGE SUCH AS INSULATION BREAKDOWN. 沒有絕緣破壞等異常。
MECHANICAL PERFORMANCE 機械性能			
4	OPERATING 動作力		200±100gf

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Specifications 技術特性表

5	TERMINAL STRENGTH 端子強度	A STATIC LOAD OF 3.0 N(300 gf) SHALL BE APPLIED TO THE TIP OF THE TERMINALS FOR 1 MIN. IN ANY DIRECTION 1 CYCLE SHALL BE MADE PER 1 TERMINAL. 在任意一個方向的先端上加力度3.0N(300 gf)1分鐘每一個排腳 都測量一次.	ELECTRICAL AND MECHANICAL CHARACTERISTICS SHALL BE SATISFIED. WITHOUT DAMAGE OR EXCESSIVE LOOSENESS OF ACTUATOR. 在端子中沒裂開,鬆動等異常滿足于電器,機械性能.
ITEM 項目		TEST CONDITION 測試條件	PERFORMANCE 性能
6	STANDARD ATMOSPHERIC CONDITIONS 使用標準狀態	UNLESS OTHERWISE SPECIFIED. THE STANDARD RANGE OF ATMOSPHERIC CONDITIONS FOR MAKING MEASUREMENTS AND TESTS ARE AS FOLLOWS: (1) AMBIENT TEMPERATURE: 5°C TO 35°C (2) RELATIVE HUMIDITY : 45% TO 85% (3) AIR PRESSURE : 80Kpa TO 106Kpa	在沒有指定的情況下測試溫度濕度、氣壓如下: (1)溫度為5~35°C (2)濕度為45%~85% (3)氣壓為80Kpa~106Kpa
DURABILITY 耐久性			
7	SOLDERING TEST 可焊性試驗	THE TOP OF THE TERMINALS SHALL BE DIPPED 2mm IN THE SOLDER BATH OF 230±5°C FOR 3±0.5 SECONDS. 端子頂部被浸入錫焊池中2mm深,溫度為230±5°C,時間為3±0.5秒.	THE AREA OF SOLDERABILITY SHOULD BE OVER 75% 焊接面積要有75%以上
8	SOLDERING RESISTANT TEST 耐焊性試驗	(1) TEMPERATURE AND IMMERSING TIME 溫度及浸錫時間 TEMPERATURE 溫度(°C) TIME 時間(S) DIP SOLDERING 浸錫 260±5 3±1 MANUAL SOLDERING 手焊 360±10 3±1 (2) IMMERSION DEPTH: IMMERSION DEPTH UP TO THE SURFACE OF THE BOARD THICKNESS OF PRINTED WIRING BOARD 1.6mm 浸錫深度: 浸錫深度至基板(PCB)表面,基板厚度為:1.6mm.	THERE SHALL BE NO DEFORMATION OF THE SWITCH BODY. MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED. 本體無變形,滿足于機械、電氣性能。
		<p><i>Remark: Don't use in wave Soldering.</i></p> <p>備注: 不可用於波峰焊接</p>	

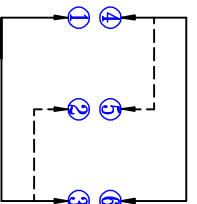
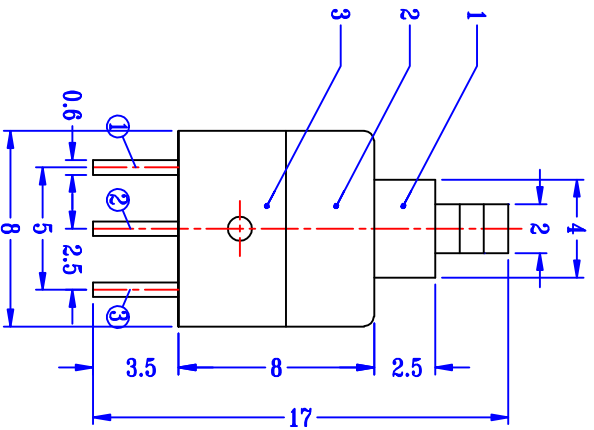
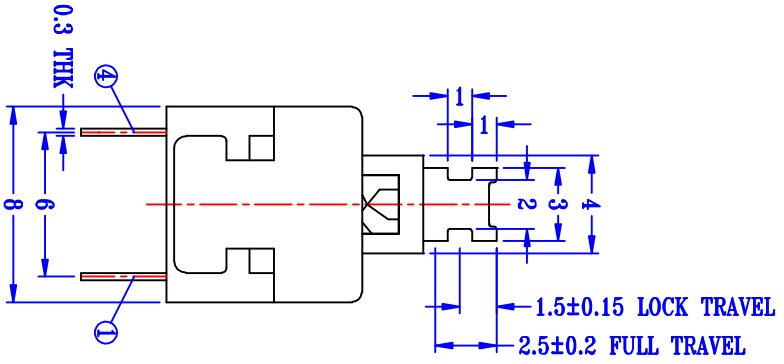
S.T. INDUSTRIAL(ASIA) LIMITED

Specifications 技術特性表

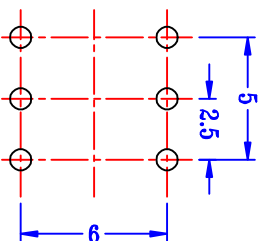
9	LIFE TEST 壽命試驗	WITHOUT LOAD AN ACTUATOR SHALL BE SUBIECT TO 10,000 CYCLES AT A SPEED OF 20 CYCLES FOR 1 MIN. 無負荷: 操作者以每分鐘20次的頻率作10,000回之無負荷測試	(1) CONTACT RESISTANCE SHALL BE 200m MAX. (2) MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED. (1) 接觸電阻不能超于200m MAX. (2) 其它、滿足于機械、電器性能
ITEM 項目		TEST CONDITION 測試條件	PERFORMAENCE 性能
10	HEAT RESISTANT TEST 耐熱試驗	THE SWITCH SHALL BE STORED AT A TEMPERATURE OF 70 2°C FOR 96 HOURS.AND THEN IT SHALL BE SUBJECTED TO THE CONTROLLED RECOVERY CONDITIONS FOR 1 HOUR AFTER WHICH MEASURE MENT SHALL BE MADE. 放置在溫度70 2°C中測試96小時后,再放置正常室溫中1小時來測定.	THERE SHALL BE NO DAMAGE ON APPEARANCE. MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED. 外觀無異常, 滿足于機械,電器性能.
11	HUMIDITY TEST 潮濕試驗	THE SWITCH SHALL BE STORED AT A TEMPERATURE OF 40 2°C AND A HUMIDITY OF 90% TO 96% FOR 96 Hr. THEN THE SWITCH SHALL BE MAINTAINED AT STANDARD ATMOSPHERIC CONDITION FOR 1 Hr FOR OTHER PROCEDURES. 放置40 2°C的相對濕度為90~96%環境中96小時后,再將樣版放在正常環境1小時后進行測試。	THERE SHALL BE NO DAMAGE ON APPEARANCE. MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED. 外觀無異常, 滿足于機械,電器性能.
12	COLD RESISTANT TEST 耐冷試驗	THE SWITCH SHALL BE STORED AT A TEMPERATURE OF -25 3°C FOR 96 HOURS. AND THEN IT SHALL BE SUBJECTED TO THE CONTROLLED RECOVERY CONDITIONS FOR 1 HOUR AFTER WHICH MEASURE- MENT SHALL BE MADE. 放置在溫度-25 3°C中96小時后,再放置常溫常濕中1小時來測定。	外觀無異常, 滿足于機械,電器性能.
13	STORAGE ENVIROMENT 儲存環境	(1)UNDER SEALING PACK CONDITION,STORED TEMPERATURE DON'T EXCEED 30°C AND RELATIVE HUMIDITY IS 75%RH;IN THE ENVIROMENT OF NO SUNSHINE DIRECT AND NO CORROSIVE GAS,THE STORED TIME OUGHT TO BE THERR MONTHS BUT WITHIN SIX MONTHS AT MOST. (2)WITHOUT SEALING PACK CONDITION, STORED TEMPERATURE DON'T EXCEED 30°C AND RELATIVE HUMIDITY IS 75%RH;IN THE ENVIROMENT OF NO SUNSHINE DIRECT AND NO CORROSIVE GAS,THE STORED TIME SHOULDN'T EXCEED 48H. (3)DON'T EXCESSIVE OVERLAP OR OVERSTOCKING WHEN KEEPING THIS GOODS,IN CASE OF DAMAGE. (1)密封包裝狀態下,儲存溫度為≤30°C, 相對濕度75%RH, 無陽光直射, 無腐蝕性氣體的環境中, 儲存時間為3個月, 最長不宜超過6個月。 (2)无密封包裝狀態下,儲存溫度為≤30°C, 相對濕度75%RH, 無陽光直射, 無腐蝕性氣體的環境中, 儲存時間最長不宜超過48小時。 (3)保存時應注意物品不能過量重疊、積壓, 以免損壞。	THERE SHALL BE NO DAMAGE ONAPPEARANCE. MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED. 外觀無異常,滿足于機械,電器性能.



CAD FILE:



SCHMATIC



P.C.B LAYOUT

8																				
7																				
6	SPRING	SEE SPRING CHART	1	NATURAL																
5	CONTACT	PBS C5210R-EH	2	Ag CLAD																
4	CAM STICK	SUS	1	NATURAL																
3	CASE	PBT/BRASS STRIP	1	BLACK/Ag PLATED OVER NI PLATED																
2	COVER	POM	1	BLACK																
1	KNOB	POM	1	YELLOW																
NO.	PARTS	MATERIALS	Q'TY	FINISH																
					TOLERANCE UNLESS SPECIFIED															
					WITHIN 1.5mm : ±0.1mm															
					OVER 1.5mm : ±0.2mm		ISSUE		DATE		DESCRIPTIONS OF REVISION		APPD.							
					TITLE : PUSH BUTTON SWITCH						UNIT : mm									
					MODEL: PB-22E08-BY						SCALE: 1:1									
					S.T. INDUSTRIAL (ASIA) LIMITED						DWN. Y M G		18-Mar-2020							
											CHK'D L M		18-Mar-2020							
											APPD. ENG-055		18-Mar-2020							
											DRWG NO.: PB-22E08-BY									