

承認書 SPECIFICATION FOR APPROVAL



CUSTOMERS

客戶名稱:

AND-POL ELETRONIK

DESCRIPTION

產品名稱:

TACT SWITCH

CUSTOMERS PART NO

客戶料件号:

TS-06V-DSM

CHI FUNG MODEL NO

志豐產品型號:

CHI FUNG PART NO

志豐產品編號:

APPROVAL NO

承認書編號:

CF-CRS-23794

SPECIFICATION NO

規格書編號:

TS003C-1

DRAWING NO

圖紙編號:

TS4074

DATE

日期:

2007年7月27日

Written 制定:

Handwritten signature

Approval 審核:

Handwritten signature

CUSTOMER APPROVAL SIGNATURE

承認欄

MODEL NO.:

APPROVED NO.:

PART NO.:

DATE:



志豐電子有限公司

ISO9001:2000EWC114804Q CHI FUNG ELECTRONICS CO.,LTD.
ISO14001:2004EWC114804E

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SPECIFICATION 规格书		规格书编号	CF-SPE-TS003C-1
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ITEM 项目	TEST CONDITIONS 测试条件	PERFORMANCE 表现	
6.2	RESISTANCE TO SOLDERING 耐焊性试验 SOLDER BATH METHOD: SOLDER TEMPERATURE $260\pm 5^{\circ}\text{C}$, IMMERSION TIME 3 ± 0.5 SEC, IMMERSION DEPTH UP TO THE SURFACE OF THE BOARD THICKNESS OF PRINTED WIRING BOARD 1.6 mm DIMENSIONS OF COMPONENT HOLES IN THE PRINTED WIRING BOARD SHALL BE ACCORDANCE TO THE SPECIFICATION. 焊炉焊接的时候温度控制在 $260\pm 5^{\circ}\text{C}$, 过炉时间 3 ± 0.5 秒, 于(基板)厚度应 1.6mm.	WITHOUT DEFORMATION OF CASE OR EXCESSIVE LOOSENESS OF TEMINALS ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED. 本体无变形, 能满足于机械, 电器性能.	
6.3	HEAT TEST 耐热试验 THE SWITCH SHALL BE STORED AT A TEMPERATURE OF $85\pm 2^{\circ}\text{C}$ FOR 96 HOURS. THEN THE SWITCH SHALL BE MAINTAINED AT STANDARD ATMOSPHERIC CONDITION FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE. 放置在温度 $85\pm 2^{\circ}\text{C}$ 中测试 96 小时后, 再放置正常室温中 1 小时来测定.		
6.4	COLD TEST 耐冷试验 THE SWITCH SHALL BE STORED AT A TEMPERATURE OF $-40\pm 3^{\circ}\text{C}$ FOR 96 HOURS, THEN THE SWITCH SHALL BE MAINTAINED AT STANDARD ATMOSPHERIC CONDITION FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE. 放置在温度 $-40\pm 3^{\circ}\text{C}$ 中 96 小时后, 再放置常温中 1 小时来进行测试.	THERE SHALL BE NO DEFORMATION OR CRACKS IN MOLDED PART. 外观无异常, 满足于机械, 电器性能.	
6.5	HUMIDITY TEST 潮湿试验 THE SWITCH SHALL BE STORED AT A TEMPERATURE OF $40\pm 2^{\circ}\text{C}$ AND A HUMIDITY OF 90% TO 96% FOR 96 HOURS. THEN THE SWITCH SHALL BE MAINTAINED AT STANDARD ATMOSPHERE CONDITION FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE. 放置 $40\pm 2^{\circ}\text{C}$ 试验的相对湿度为 90%-96% 环境中 96 小时后, 再将样板放在正常环境 1 小时后进行测试.		



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ITEM 项目	TEST CONDITIONS 测试条件	PERFORMANCE 表现		
4	STANDARD ATMOSPHERIC CONDITIONS 测试标准状态	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. 在没有指定的情况下测试温度,湿度,气压如下: (1) 温度为5°C~35°C. (2) 湿度为45%~85%. (3) 气压为80Kpa~106Kpa.		
5. MECHANICAL CHARACTERISTICS 机械性能规格:				
ITEM 项目	TEST CONDITIONS 测试条件	PERFORMANCE 表现		
5.1	OPERATION FORCE 作动力		160gf±30gf	
5.2	TERMINAL STRENGTH 端子强度	A STATIC LOAD OF 300gf SHALL BE APPLIED TO THE TIP OF THE TERMINAL FOR 1 MIN. IN ANY DIRECTION. 在任意一个方向的先端加上300gf力度测试,时间为1分钟.	ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED WITHOUT DAMAGE OR EXCESSIVE LOOSENESS OF TERMINALS 在排脚中没有裂开,松动等异常,满足于机械,电器性能.	
5.3	LIFE TEST 寿命测试	1. ENDURANCE WITHOUT LOADING: A SWITCH SHALL BE SUBJECTED TO 100,000 CYCLES AT A SPEED OF 40-50 CYCLES FOR 1 MIN. 无负荷: 在无负荷的条件下以每分钟40-50回的速度进行100,000次的测试. 2. ENDURANCE WITH LOADING: A SWITCH SHALL BE SUBJECTED TO 80,000 CYCLES AT A SPEED OF 40-50 CYCLES FOR 1 MIN. 负荷: 在负荷的条件下以每分钟40-50次的频率作80,000回之负荷测试.	(1) CONTACT RESISTANCE SHALL BE 50mΩ MAX. 接触电阻不能超过50毫欧. (2) MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED. 其它满足于机械,电器性能.	
6. DURABILITY 耐久性:				
ITEM 项目	TEST CONDITIONS 测试条件	PERFORMANCE 表现		
6.1	SOLDERABILITY TEST 可焊性试验	THE TOP OF THE TERMINALS SHALL BE DIPPED 2mm IN THE SOLDER BATH OF 230±5°C FOR 3±0.5 SECONDS. 端子顶部被浸入锡焊池中2mm深,温度为230±5°C,时间为3±0.5秒.	AREA OF SOLDERING NEED BE SMOOTH AND GOOD PERFORMANCE. 焊锡部分粘锡均匀,饱满,锡面平滑.	

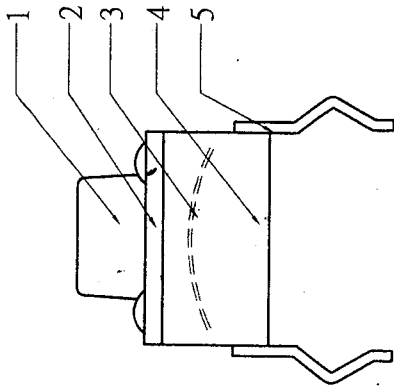
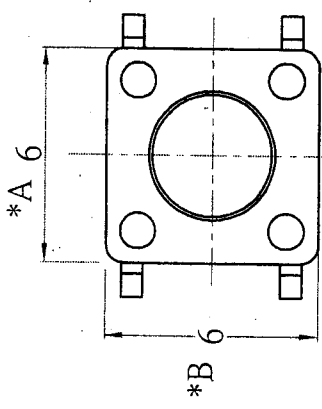


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WRITTEN 制定	<i>Handwritten signature</i>	APP'D审批	<i>Handwritten signature</i>
MODEL SERIES NAME 系列名称:		TACT SWITCH	
MODEL NO 产品型号:		TC-06V-DSM	
1.RATING 额定值:		DC 12V 50mA	
2.ELECTRICAL CHARACTERISTICS 电气性能规格:			
ITEM 项目	TEST CONDITIONS 测试条件	PERFORMANCE 表现	
2.1	CONTACT RESISTANCE 接触电阻 MEASURED AT SMALL CURRENT (100mA OR LESS) 1000Hz. 在微小电流(100mA)以下测试.	30mΩ Max 30毫欧以下	
2.2	INSULATION RESISTANCE 绝缘电阻 APPLY A VOLTAGE OF 100V DC FOR 1 MIN. TO FOLLOWING PORTIONS AFTER WHICH MEASUREMENT SHALL BE MADE: (1) BETWEEN BODY AND CONDUCTOR. (2) BETWEEN CONDUCTOR NOT TO BE CONTACT. 输入100V DC 电压1分钟, 按以下接触方法测试: (1)接触端子之间. (2)插座体与排脚之间.	100MΩ MIN. 100兆欧以上	
2.3	DIELECTRIC STRENGTH 耐电压 AC 250V rms(50-60Hz)FOR 1 MIN TRIP CURRENT:0.5 mA (1) BETWEEN TERMINALS. (2) BETWEEN INDIVIDUAL TERMINALS AND FRAME. 输入AC 250V (50-60Hz) 电压,1分钟感应电流为0.5mA.按以下接触方法测试: (1)接触端子之间. (2)插座体与端子之间.	NO DAMAGE TO PARTS ARCING, OR BREAKDOWN ETC. 没有绝缘破坏等异常.	
3	PRACTICAL TEMPERATURE RANGE 使用温度范围 -40℃~+85℃ 在-40℃~+85℃ 温度内使用		

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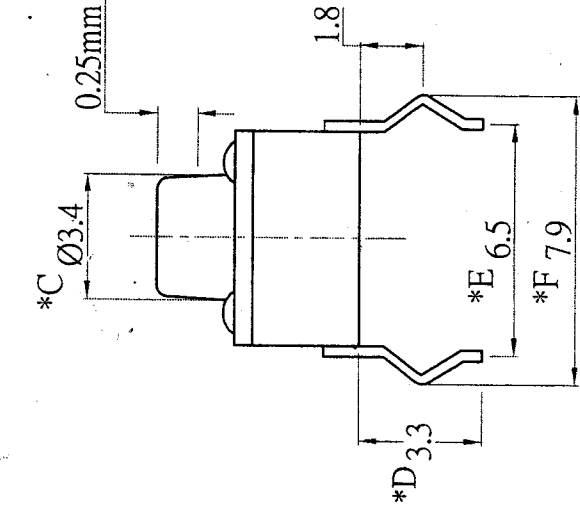
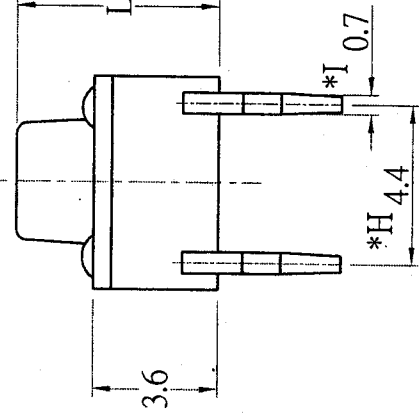
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SCHEMATIC

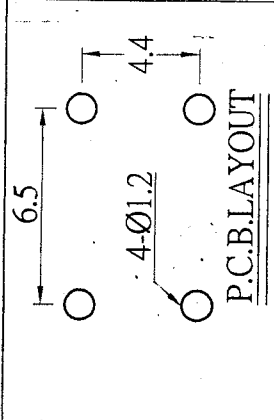
L=	A	4.3 mm
	B	5.0 mm
	C	7.0 mm
	D	9.5 mm
	E	13.0 mm

*C Ø3.4
0.25mm TRAVEL



F=	I	100 gf
	L	130 gf
	S	160 gf
	H	250 gf

STEM COLOR	<input checked="" type="checkbox"/>	BLACK
	<input type="checkbox"/>	GREY
	<input type="checkbox"/>	BROWN
	<input type="checkbox"/>	RED
	<input type="checkbox"/>	WHITE



* CRITICAL DIMENSION

A

B

C

D

CHI FUNG ELECTRONICS CO., LTD.

DRAWING NO: CF-ENL-TS4074		TERMINAL		4	BRASS
GENERAL TOLERANCE		CASE		1	PA66
WITHIN 0.XXmm±0.15mm		CONTACT		1	C5210R-EH
OVER 0.Xmm±0.25mm		COVER		1	SPN STRIP
		STEM		1	PA66
		PART NAME		QTY	MATERIAL FINISHING

SERIES: TACT SWITCH
 PART NAME: TS-06V-LFM
 UNIT: M/M
 SCALE: 5:1
 REV: A/1

DWN: *[Signature]*
 CHK'D: *[Signature]*
 APPD: *[Signature]*

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