

Samzo Parts Electronics Co., Ltd.

承 認 書

APPROVE SHEET

客户名称 CUSTOMER:							
贵司制品名 本公司制品名 CUSTOMER PN:							
贵公司规格 本公司规格 本公司规格 APPROVAL DAT: PRODUCT CODE: MG100411A01							
客户料号 本公司规格书编号 CUSTOMER NO: PRODUCT DRAWING NO: 20170710004							
新品承认 NEW APPROVE	批准 APPROVAL	审核 CHECK	设计 DESIGN				
规格书变更承认 CHANGE CODE APPROVE AGAIN	批准 李先缘	审核 周颖鑫	设计颜明玉				
材料变更承认 CHANGE MATERIAL APPROVE AGAIN	DATE:	DATE:	DATE:				
贵公司承认栏 APPROVAL SIGNATURE	<u> </u>						
EI 章							
请于年月日前承认返回我司 日期 DATE : PLEASE RETURN TO US AFTER CONFIRMED! THANK YOU!							

深圳市三佐部品电子有限公司

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世界零部件制造商

IS09001 IS014001 认证企业

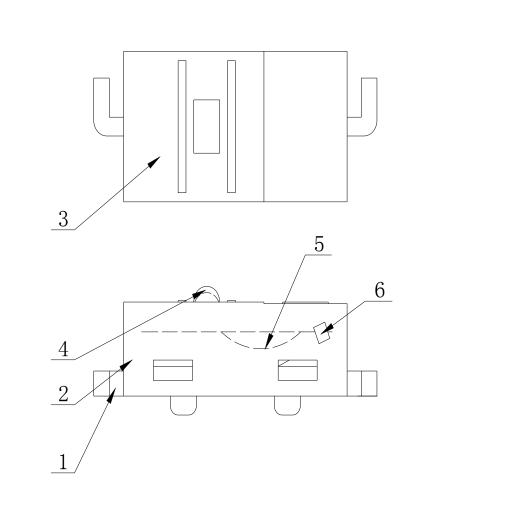
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SERIES 系列		MICRO SWITCH		ISSUANCE DATE 日期:			2018		
Document No.文件编号				Edition 版本	С	Page 页码	3/6		
Material list	材料清单			•					
NO.	. Part Name 品名		Q'TY 数量	Generic Class	s 材质		Remark 备注		
1	Termi 端		2	C2680					
2	Bas 底)		1	LCP					
3	Cas 上記		1	LCP					
4	Butt 按		1	LCP					
5	Spring 弹		1	C1720					
6	Cont 接点		1	Silver allo 银合金	-				

Structure chart:

结构示意图:



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1、General(一般特性):						

DC48V 0.1A/AC125V 0.1A (规格: DC48V 0.1A/AC125V 0.1A) 1.1 Switch rating:

-25℃~80℃ (操作温度范围: -25℃~80℃) 1.2Operating temperature range 1.3 Preservative temperature range -30℃~85℃(储存温度: -30℃~85℃)

1.4 Storage humidity range (储存湿度: <85%RH) <85%RH

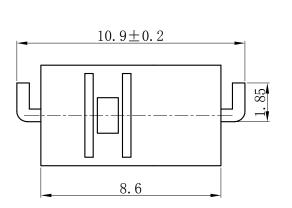
2.Performance 功能参数

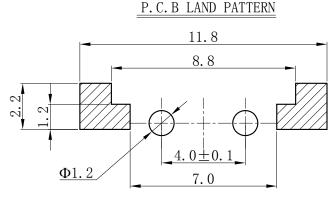
2.1 Electrical characteristics(电气特性)							
	Items 项目	Test conditions 测试条件	Criteria 标准				
2.1.1	Contact resistance 接触电阻	Applying a static load twice the operating force to the button, measurements shall be made between the terminals. Measurement shall be made with a stabilization contact resistance meter for $2~\text{m}^\Omega$ precision under the condition which a voltage of DC5V and a current of 0.1A shall be applied between the terminals. 在按钮上施加两倍操作力的静负荷值,采用精度为 $2~\text{m}^\Omega$ 高稳定度线性毫欧表,在 DC5V,0.1A 的条件下测量端子两端接触电阻。	Refer to individual product drawing 参考规格图纸				
2.1.2	Insulation resistance 绝缘电阻	Spec. voltage (Refer to 2.3 item of spec. drawing) is applied between each pair of terminals and between the terminal and the metal frame for one minute. Measurement shall be made with a test instrument of insulation resistance under the condition which a voltage of spec. voltage is applied between the terminals. 采用绝缘电阻测试仪,分别在相互绝缘的所有端子之间及各接线端子与外露的非金属零件之间加载规格电压(参见规格图 2.3 项),持续 1 分钟测试绝缘电阻。	Refer to individual product drawing 参考规格图纸				
2.1.3	Dielectric withstand in voltage 耐压强度	Spec. voltage (Refer to 2.4 item of individual product drawing) shall be applied across terminals and frame for one minute. 在端子两端之间加载规格电压 (参见规格图 2.4 项),持续时间为 1 分钟.	There shall be no breakdown 无电击穿等异常.				
2.1.4	Bounce 灵敏度	Lightly striking the center of the button at a rate encountered in normal use (3 to 4 operating per sec.) bounce shall be tested at "ON" and "OFF". 以 3-4 次/秒的频率施加正常力于按钮上,操作之动作则可测出 "ON"、"OFF"之功能。	5ms max				

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It	ems 项目	Tes	t conditions 测试条件			Criteria 标准	
3.Mecha	anical characterist	ics 机械特性				,	
3. 1 Free Position 自由位置 Position of switch plunger or actuation when on external force is applied. 开关不受外力时之位置。						Refer to individual product drawing 参考规格图纸	
3.2	Operating Position 动作位置	normal to operated position actuators. 开关操动件受到外力后,自	Position of switch plunge or actuator at which point contacts snap from ormal to operated position. Note that the case of flexible of adjustable ctuators. 干关操动件受到外力后,由自由状态切换到动作状态的动作位置。 (注意防止盖片变形或按钮倾斜现象。)				
3.3	Operating Force 操作力	then gradually increasing the for the button to come to ope	acing the switch such that the direction of switch operation is vertical, and en gradually increasing the load applied to the button, the maximum load or the button to come to operating position shall be measured. 出来关于垂直状态,渐增力度使按钮至动作位置为最大值之力度。				
3.4	Terminal Strength 端子强度	Placing the switch such that static load of 1kgf Max shadirection of operation for one 置开关于垂直状态,动作端	There shall be no sign of damage mechanically and electrically. 机械性能、电气性能无损害现象。				
3.5	Button Strength 按钮强度	Placing the switch such that Operation is vertical, a static be applied to the center of the of button operation for one n 置开关于垂直状态,在端于Max 力,时间为 1 分钟。					
4. Solde	ring characteristic	es 焊接性能					
4.1	Hand soldering 手工焊	Use a soldering iron of 30 approximately 3 seconds wh 焊接时需在 30 瓦烙铁, 控件下进行。	ile applying solder.		solder shal of 90% of immersed. (2)There shappearance mechanical (1)覆锡性 90%以上	functions. 能达到浸入表面的 现任何外观和机械	



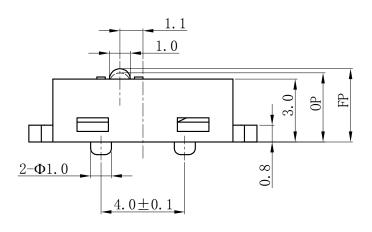
3. Dimension Drawing

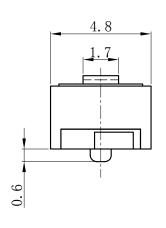




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CIRCUIT DIAGRAM





DICGU Dwg N	o.	MG100411A01		DICGU REV	A		Page 1 of 1	
Drawing Model Specif		Cication	Tolerance	± 0.2		Unit		mm
Prepared Tony Xu		Reviewed	Reviewed		App	roved		

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Ite	ms 项目		Test conditions 测试	条件			Crite	eria 标准
4.2	Reflow soldering 回流焊	re 焊 C To	Preheating Preheating Time (sec) Components size A Temp.rise gradient 温度上升 Heating time 加热时间 Heating temperature 加热温度 Time over 220℃ 超过220℃的时间 C Peak temperature 最高温度 Peak-temp.hold time 耐最高温时间 Soldering 焊接次数	Emax. 当使用叵 & Non-washa 图如下: ak 250℃ 220℃	月焊炉进	性行	in appear	ll be no defects rance or in the l functions. 壬何外观和机械功 う。
3. Durat	Mechanical life 机械寿命	(1) (2) (3) (4)	Without loading 无负载 Operating speed: 120 cycles/minu 操作频率: 120 次/分钟 Push force: maximum value of ope 推动力: 操作力的最大规格值的 Life: 3,000,000 cycles 寿命: 3,000,000 次	erating force twi	ce (((2)Ins 1 (3)Bo (4)Wi AC (5)Op		in. c. Max. age: ute e: value
5.1	Electrical life 电气寿命	(2)	Operating speed: 10 cycles/minut操作频率: 10 次/分钟 Push force: maximum value of op推动力:操作力的最大规格值的which the load of AC125V 0.1A 0.1A Life: 3,000,000 cycles 寿命	erating force twi 的两倍 A 负载为 AC1	cce 25V	appea functi 试验质 (1)接 (2)绝 (3)灵 (4)耐 (5)操	rance or in ons. 后: 触电阻:1 以	the mechanical 次姆以下 兆欧姆以上