Switch Connector

标准&定制开关连接器产品制造商

DONG GUAN XI BANG ELECTRONICS CO., LTD.

规　　格　　书

SPECIFICATION

CUSTOMER NAME	客户名称：	
CUSTOMER NO.	客户编号：	
SERIES	系　　列：	滑动开关垂直立式
MODEL NO.	型　　号：	XB-SS-43D01
DRAWING NO.	图 形 号：	Slide Switch Vertical

If specification of this product meets your request, please confirm all the items of it and return to us with signature and stamp, it will be basis of our production and record. Thanks your cooperation in advance!

若此产品规格符合贵司要求，敬请确认此规格书内所有项目

并签名和盖章后回传给我司，以作我司产品制作之

依据和存档之用，多谢合作！

EXAMINE & APPROVAL 审批

APPROVE 接受	NOT APPROVE 不接受
SIGNATURE 签署　　STAMP盖章　　DATE日期	

PREPARED BY.制表人	CHECKED BY.校对	APPROVED BY.审核	APPROVAL BY. 批准
研发部 戴海明 2022. 06. 08	品质部 黄自清 2022. 06. 08	工程部 庞军 2022. 06. 08	总经办 吴量 2022. 06. 08

东莞市溪榜电子有限公司

Dong guan Xi Bang Electronics Co., Ltd

地址：广东省东莞市黄江镇合路工业区

Address:He Lu Industrial Zone, Huangjiang Town ,Dongguan City, Guangdong Province

Tel: (0769)82055138/82056828

Fax:(0769)83663452

邮箱：admin@alspr.com　switch@alspr.com

http://www.alpsr.cn/　http://www.alpsr.com/

Dong Guan XB ElectronicsCo.,Ltd

AccountNumber: 705540238

BankName: CitibankN.A.,HongKongBranch

Country/Region:Hong Kong

BankCode:006

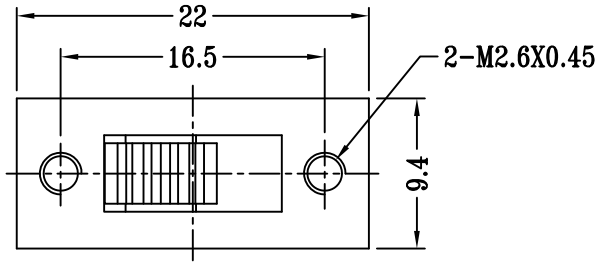
BankAddress: 3GardenRoad,Central,Hong Kong

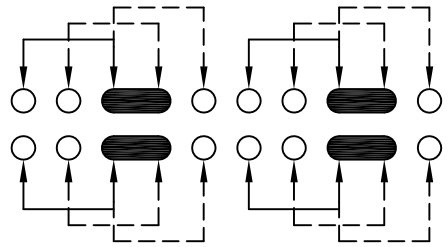
SWIFT/BIC: CITIHKHX(CITIHKHXXXX*If11charactersare required)

MAiL：HK@ALPSR.CN　XB@ALPSR.CN

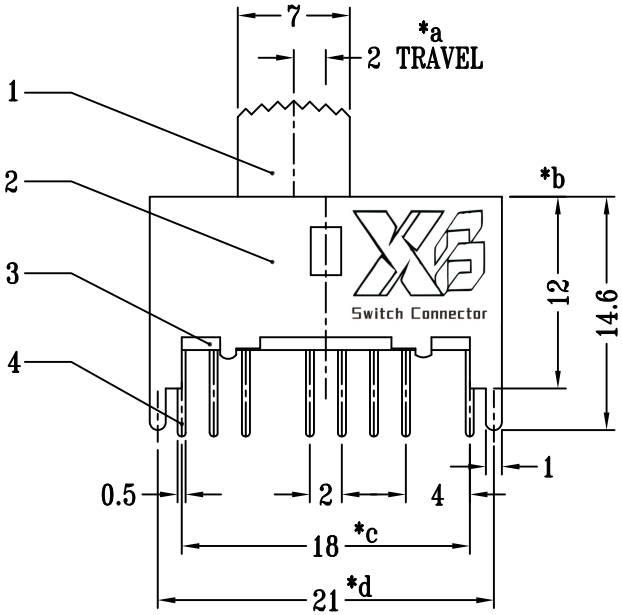
Quality core! Afterburner for Made in China!

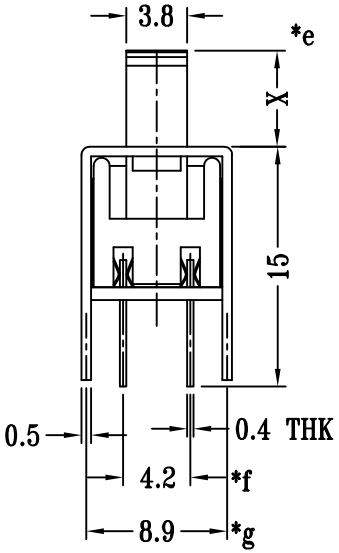
CAD FILE:

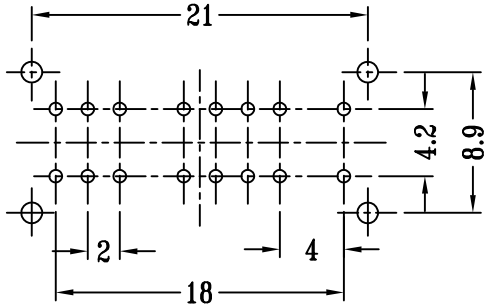




SCHEMATIC (SHORTING)







P.C.B LAYOUT
BOTTOM VIEW

注：“*”表示关键尺寸（7个）.

NO.	PARTS	MATERIALS	Q'TY	FINISH
8				
7	STEEL BALL	STEEL	2	NATURAL
6	SPRING	STEEL WIRE	1	NATURAL
5	CONTACT CLIP	PBS STRIP	4	Ag PLATED
4	TERMINAL	BRASS STRIP	16	Ag PLATED
3	BASE	PHENOLIC RESIN	1	NATURAL
2	FRAME	STEEL STRIP	1	Ni PLATED
1	KNOB	POM	1	BLACK

TOLERANCE UNLESS SPECIFIED
WITHIN 1.5mm : ±0.1mm
OVER 1.5mm : ±0.2mm

ISSUE	DATE	DESCRIPTIONS OF REVISION	APPD.
A	2012-8-6	初 版	曾 鹏

TITLE : VERTICAL SLIDE SWITCH
UNIT : mm
DRWG NO.: XB-SS-43D01
MODEL: XB-SS-43D01
SCALE: 2:1

东莞市溪榜电子有限公司
DONG GUAN XI BANG ELECTRONI CS CO., LTD.

DWN.	张 俊	2014-12-16
CHK'D	黄锦效	2014-12-16
APPD.	曾 鹏	2014-12-16

东莞市溪榜电子有限公司 DONG GUAN XI BANG ELECTRONI CS CO., LTD. SPECIFICATION 规格书	文件编号	XB-SK-20150116-01
	发布日期	2015 年 01月 1 6 日
	第 A 版	第 1 页 共 3 页

MODEL NO.产品名称：XB-SS-43D01 高温金码

DRAWN 制订	吴工	APPD. 审核	庞军

1、RATING （额定值）	：DC 50V 0.3A
2、FUNCTION (接触型式)	：4P3T
3、TIMING (时间特性)	：SHORTING

4、ELECTRICAL CHARACTERISTICS（电气性能规格）

ITEM 项目		TEST CONDITIONS 测试条件	PERFORMANCE 规格
4.1	CONTACT RESISTANCE 接触电阻	MEASURED AT 1KHz SMALL CURRENT(100mA OR LESS) 在 1KHz 微小电流(100mA 以下)测试.	100mΩMAX. 100 毫欧以下
4.2	INSULATION RESISTANCE 绝缘电阻	APPLY A VOLTAGE OF 500V DC FOR 1 MIN. TO FOLLOWING PORTIONS AFTER WHICH MEASUREMENT SHALL BE MADE. (1) BETWEEN BODY AND TERMINAL。 (2) BETWEEN TERMINALS。 输入 500V DC 电压 1 分钟,按以下接触方法测试: (1) 排脚相互之间。 (2) 排脚与外壳之间。	100MΩMIN. 100 兆欧以上.
4.3	DIELECTRIC STRENGTH 耐电压	AC 500V rms(50-60Hz)FOR 1 MIN TRIP CURRENT:0.5mA (1)BETWEEN TERMINALS. (2)BETWEEN INDIVIDUAL TERMINAL AND FRAME. 输入 AC 500V(50-60Hz)电压,1 分钟感度电流为 0.5mA, 按以下接触方法测试: (1)排脚相互之间 (2)排脚与外壳之间.	WITHOUT DAMAGETOPARTS ARCING OR BREAKDOWN ETC 没有绝缘破坏等异常

5、MECHANICAL CHARACTERISTICS (机械性能规格)

ITEM 项目		TEST CONDITIONS 测试条件	PERFORMANCE 规格
5.1	OPERATING FORCE 作动力	MEASUREMENT SHALL BE MADE AT THE NEAREST POINT OF THE COMPONENT OR AT THE POINT 3mm FROM THE TIP OF THE ACTUATOR(KNOB). 在距离胶柄前端 3mm 作测定点.	250gf±100gf
5.2	TERMINAL STRENGTH 端子强度	A STATIC LOAD OF(500gf)SHALL BE APPLIED TO THE TERMINAL FOR 15 SEC,IN ANY DIRECTON. 在排脚前端任意一个方向加 500gf 力度测试,时间为 15 秒.	MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED WITHOUT LOOSENESS OF ACTUATOU. 在端子中没有裂开,松动等异常,满足于机械、电器性能。
5.3	DISPLACEMENT OF ACTUATOR (KNOB) 柄 强 度	A STATIC LOAD OF 10N(1Kgf)SHALL BE APPLIED TO THE TOP OF THE ACTUATOR(KNOB)AND THEN DESPLACEMENT SHALL BE MEASURED TO THE DIRECTION OF THE ARROW. 在柄的前端施加 1Kgf 的力度,位移应沿印记的方向上定.	THE LEVER SHALL HAVE NO SERIOUS DEFORMATION AND FUNCTION IS NORMALLY. 柄部无严重变形,可以正常工作

6、ENDURANCE CHARACTERISTICS (耐久性) :

ITEM 项目		TEST CONDITIONS 测试条件	PERFORMANCE 规格
6.1	LIFE TEST 寿命试验	WITHOUT LOAD: AN ACTUATOR SHALL BE SUBJECT TO 10,000 CYCLES AT A SPEED OF 15 TO 18 CYCLES FOR 1 MIN. 无负荷: 操作者以每分钟 15—18 回的频率作 10，000 回之无负荷测试.	(1) CONTACT RESISTANCE(接触电阻) 200mΩ MAX.200 毫欧以下. (2) INSULATION RESISTANCE(绝缘电阻) 50MΩ MIN. 50 兆欧以上.. (3) WITHSTAND VOLTAGE(耐电压) AC 500V,1 MINUTE.AC 500V 1 分钟 (4) OPERATING FORCE(作动力) ±30%INITIAL VALUE. 变化范围初始值±30% (5) WITHOUT DAMAGE TO PARTS ARCING OR BREAKDOWN ETC. (测试后外表无损伤,并且满足机械性能)
6.2	SOLDERA-BILITY TEST 可焊性试验	THE TOP OF THE TERMINALS SHALL BE DIPPED 2mm IN THE SOLDER BATH OF 230±5℃ FOR 3±0.5 SECONDS. 端子顶部被浸入锡焊池中 2mm 深,温度为 230±5℃,时间为 3±0.5 秒.	THE AREA OF SOLDERING SHOULD BE OVER 75% 焊接面积要有 75%以上.
6.3	RESISTANCE TO SOLDERING HEAT TEST 耐焊性试验	(1).TEMPERATURE AND IMMERSING TIME 温度及浸锡时间 TEMPERATURE 温度（℃） / TIME 时间（S） DIP SOLDERING 浸 锡: 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. 浸锡深度: 浸锡深度至基板(PCB)表面，基板厚度为 1.6mm.(3)WAVE SOLDERING 波峰焊 (A)温度 255±5℃ ,时间 3 到 5.5 秒. (B)PREHEAT TIME SHALL BE 30 SECONDS MAX. AT 100℃MAX. 预熟温度 100℃以下，30 秒以内完成.	THERE SHALL BE NO DEFORMATION OR CRACKS IN MOLDED PART. 外观无异常,满足于机械、电器性能。
6.4	COLD TEST 耐冷试验	THE SWITCH SHALL BE STORED AT A TEMPERATURE OF -25±3℃ FOR 48 HOURS. THEN THE SWITCH SHALL BE MAINTAINED AT STANDARD ATMOSPHERIC CONDITIONS FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE. 放置在温度-25±3℃中 48 小时后,再将放置在常温常濕的环境中 1 小时后进行测试.	

ITEM 项目		TEST CONDITIONS 测试条件	PERFORMANCE 规格
6.5	HEAT TEST 耐热试验	THE SWITCH SHALL BE STORED AT A TEMPERATURE OF 70±2℃ FOR 48 HOURS. THEN THE SWITCH SHALL BE MAINTAINED AT STANDARD ATMOSPHERIC CONDITIONS FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE. 放置在温度 70±2℃中测试 48 小时后,再将放置在常温常濕的环境中 1 小时后进行测试.	THERE SHALL BE NO DEFORMATION OR CRACKS IN MOLDED PART. 外观无异常,满足于机械、电器性能.
6.6	HUMIDITY TEST 潮濕试验	THE SWITCH SHALL BE STORED ATA TEMPERATURE OF 40±2℃ AND A HUMIFITY OF 90% TO 95% FOR 96 HOURS. THEN THE SWITCH SHALL BE MAINTAINED AT STANDARD ATMOSPHERIC CONDITION FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE. 放置 40±2℃的相对湿度为 90%～95%环境中 96 小时后,再将放置在常温常濕的环境中 1 小时后进行测试.	
6.7	STANDARD ATMOSPHEIC 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 HUMIDITY:5℃ TO 35℃ (2) RELATIVE HUMIDITY:45% TO 85% (3) AIT PRESSURE :86Kpa 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℃—35℃. (2) 湿度为 45%—85%. (3) 气压为 86Kpa—106Kpa.	
6.8	PRACTICAL TEMPERATURE RANCE 使用温度范围	-16℃～+60℃. 在-16℃～+60℃温度内使用.	