

深圳市灿科盟实业有限公司

SHENZHEN CANKEMENG INDUSTRIAL CO. LTD

承 认 书

SPECIFICATION FOR APPROVAL

客户名称 CUSTOMER	
品 名 DESCRIPTION	2. 54 排针单排直针系列
料 号 CUSERTOMER PART NO	B-2100SXXP-A110
日 期 DATE	

客户确认 (APPROVED SIGNATURES)

核准 (APPROVAL)	工程 (ENGINEERING)	品管 (QC)
承认结果: ☐ 承认 ☐ 不承认 ☐ 重新送样		

深圳市灿科盟实业有限公司

SHENZHEN CHANKEMENG INDUSTRYCO. LTD

公司地址 (Company address): 深圳市光明区新湖街道荔湖社区
楼二工四路 36 号 5 栋

联系电话 (TEL): 0755-81488157

传 真 (Fax): 0755-83425987

邮箱 (mailbox): ckmtw168@163.com、ckm-scb@ckmtw.com.cn

生产基地:

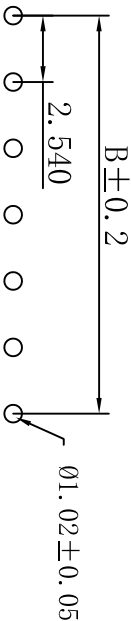
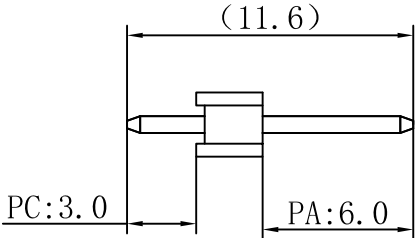
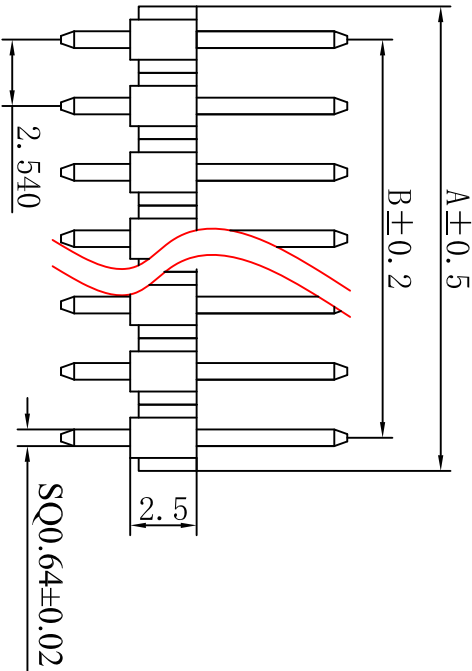
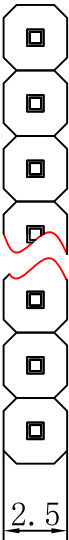
江西灿科盟电子有限公司

JIANGXI CANKEMENG ELECTRONICS CO. LTD

公司地址 (Company address): 江西省九江市修水县渣津镇朴田
工业区

Specification
Insulator Material: Polyeser,UL94V-0
Standard: PA6T
Contact Material: Brass
Contact plated: Gold Over Nickel

Poles:2~40P
Current Rating : 3Amp
Contact Resistance:20 Milliohms Max
Insulation Resistance : 1000MΩ Min.
Dielectric withstanding Voltage:AC 500V
Operation Temperature : -40℃ -- +105℃



PART NO.	Poles	Dimension mm	
		A	B
B-2100S01P-A110	1	2.54	0.0
B-2100S02P-A110	2	5.08	2.54
B-2100S03P-A110	3	7.62	5.08
B-2100S04P-A110	4	10.16	7.62
B-2100S05P-A110	5	12.70	10.16
B-2100S06P-A110	6	15.24	12.70
B-2100S07P-A110	7	17.78	15.24
B-2100S08P-A110	8	20.32	17.78
B-2100S09P-A110	9	22.86	20.32
B-2100S10P-A110	10	25.40	22.86
B-2100S11P-A110	11	27.94	25.40
B-2100S12P-A110	12	30.48	27.94
B-2100S13P-A110	13	33.02	30.48
B-2100S14P-A110	14	35.56	33.02
B-2100S15P-A110	15	38.10	35.56
B-2100S16P-A110	16	40.64	38.10
B-2100S17P-A110	17	43.18	40.64
B-2100S18P-A110	18	45.72	43.18
B-2100S19P-A110	19	48.26	45.72
B-2100S20P-A110	20	50.80	48.26

PART NO.	Poles	Dimension mm	
		A	B
B-2100S21P-A110	21	53.34	50.80
B-2100S22P-A110	22	55.88	53.34
B-2100S23P-A110	23	58.42	55.88
B-2100S24P-A110	24	60.96	58.42
B-2100S25P-A110	25	63.50	60.96
B-2100S26P-A110	26	66.04	63.50
B-2100S27P-A110	27	68.58	66.04
B-2100S28P-A110	28	71.12	68.58
B-2100S29P-A110	29	73.66	71.12
B-2100S30P-A110	30	76.20	73.66
B-2100S31P-A110	31	78.74	76.20
B-2100S32P-A110	32	81.28	78.74
B-2100S33P-A110	33	83.82	81.28
B-2100S34P-A110	34	86.36	83.82
B-2100S35P-A110	35	88.90	86.36
B-2100S36P-A110	36	91.44	88.90
B-2100S37P-A110	37	93.98	91.44
B-2100S38P-A110	38	96.52	93.98
B-2100S39P-A110	39	99.06	96.52
B-2100S40P-A110	40	101.60	99.06

APPROVED:	DATE:	Ckmtw 深圳市灿科盟实业有限公司 CHANKEMENG INDUSTRYCO., LTD			
CHECKED:	DATE:	TITLE: 210S-1*XP L=11.6mm PA6T			
DRAWN:	DATE:	CLIENT P/N /			
LYF	2025-7-10	UNIT	mm	SCALE	free
		FILE NO.	Ckmtw-210-A0001	REV.	A

P.C.B LAYOUT

深圳市灿科盟实业有限公司

产 品 规 格 书

PRODUCT SPECIFICATION

2.54mm Pin Header SERIES

内容：此规格书包含 2.54mm 排针接插件系列。

Scope: This specification covers the 2.54mm Pin Header spacing Connector series.

Index:	Page
1. 产品名称及料号/Product name and part number	2
2. 额定电压电流/Ratings	2
3. 特性测试/Performance	
3-1.电气特性/Electrical performance	2
3-1-1.接触阻抗/Contact resistance	2
3-1-2.绝缘阻抗/Insulation resistance	2
3-1-3.高压测试/Dielectric strength	2
3-2.机械特性/Mechanical performance	
3-2-1.整组插拔测试/Insertion force and withdrawal force	2
3-2-2.单 PIN 插入力/ Pin Insertion force	3
3-2-3.单 PIN 保持力/Pin retention force	3
3-3.环境特性测试/Environmental performance and others	
3-3-1.整组插拔测试后接触阻抗/Repeated insertion/withdrawal	3
3-3-2.盐水喷雾测试/Salt spray	3
3-3-3.沾锡性测试/Solderability	3
3-3-4.焊热性测试/Resistance to soldering heat	3
3-3-5 寿命测试/Life Test	3
4. 产品规格尺寸及材质/Product shape, dimensions and materials	4
5. 包装、运输及储存	4

Note::以上测试视公司之测试条件/能力而定。

FILE NO	ENS018	APPROVAL	CHECK	DRAWING
ECR/N NO	New spec			

1. 产品名称及料号/Product name and part number

Product Name	Part Number
Name 名称	210S-1*XP (单排直针) 210R-1*XP (单排弯针) 210S-2*XP (双排直针) 210R-2*XP (双排弯针) 210SMT-1*XP (单排贴面) 210SMT-2*XP (双排贴面)

2. 额定电压电流及使用温度范围/Ratings and Ambient Temperature

ITEM	STANDARD
Rated Voltage(Max) 额定电压	250V AC/DC
Rated Current(Max) 额定电流	3A
Ambient Temperature 使用温度范围	-40℃-+105℃

3. 特性测试/Performance

3-1.电气特性/Electrical performance

ITEM	Test condition	Requirement
3-1-1 Contact Resistance 接触阻抗	Mate connectors, reassure by dry circuit ,20mV MAX,10mv.(Based upon JIS C5402 5.4) 将公母对插，二头接上微电流电压测试。	0.02 欧 (MAX)
3-1-2 Insulation resistance 绝缘阻抗	Mate connectors, apply 500V DC between adjacent terminal or ground. (Based upon JIS C5402 5.2/MIL-STD-202 method 302 condition B) 将公母对插，二头接上电压测试	1000 兆欧 (MIN)
3-1-3 Dielectric strength 高压测试	Mate connectors, apply 500V AC for 1 minute between adjacent terminal or ground. (Based upon JIS C5402 5.1/MIL-ST-202 Method 301) 将公母对插，相邻的二支端子接上高压测试	No breakdown and flashover 没有损坏/没有电弧产生

3-2.机械特性/Mechanical performance

ITEM	Test condition	Requirement
3-2-1 Insertion force and withdrawal force 整组插拔测试	Insert and withdraw connectors at the speed rate of 25±3mm/minute 公母对插插拔 30 次，机器行走速度 25±3mm/分钟。	插入力:0.2 kg/Pin (MAX) 拔出力:0.02 kg/Pin (MIN)

3-2-2	Pin Insertion force 单 PIN 插入力	Insert the crimped terminal into the connectors 将铜针插入塑胶内，测试插入值	1.5kg/Pin (MAX)
3-2-3	Pin retention force 单 PIN 保持力	Apply axial push force at the speed rate of 25±3mm/minute. 将铜针从塑胶中拔出，测试拔出值	0.5kg/Pin MIN

3-3.环境特性测试/Environmental performance and others

ITEM		Test condition	Requirement	
3-3-1	Repeated insertion/ withdrawal	When mated up to 30 cycles repeatedly by the rate of 10 cycles per minute 三十次插拔后，测量接触阻抗	Contact Resistance 接触阻抗	40mΩ MAX
3-3-2	Salt spray 盐水测试	24 hours exposure to a salt spray from the 5±1% solution at 35±2°C.(Based upon JIS C5402/MIL-STD-202method 101D conditions. B) 时间 24 小时，盐水体比例 5±1%，温度 35±2°C。	Appearance	No Damage
			Contact Resistance	40mΩ MAX
3-3-3	Solderability 沾锡性测试	Soldering time:3±0.5sec, solder temperature:230±5°C 时间：3±0.5 秒， 温度：230±5°C	95%以上沾锡面积	
3-3-4	Resistance to soldering heat 焊热性 测试	Soldering time:5±1sec, solder temperature: PBT: 220±5°C PA6T: 260±5°C PA9T:270±5°C 时间：5±1 秒， 温度：PBT 材质 220±5°C 温度：PA6T 材质 260±5°C 温度：PA9T 材质 270±5°C	No Damage 外观没有影响	
3-3-5	Life Test 寿命测试	500 cycles 500 次	No Damage 外观,功能没有影响	

4 产品规格尺寸及材质/Product shape, dimensions and materials (见附件图纸)

5 包装、运输及储存

5.1 包装

产品内包装为吸塑盒包装，外包装为纸箱，产品在箱内密封，无晃动。

5.2 运输

允许用任何方式运输，但需避免雨、雪直淋以及机械损伤。

5.3 储存

5.3.1 包装完毕的连接器应在环境温度为-10℃~40℃，相对湿度不大于 80%，周围空气中没有酸性、碱性及其它腐蚀性气体的库房中储存。

5.3.2 本产品储存期为 12 个月，超过 12 个月需重新检验。请在 3 个月之内使用最合适，如超出储存期范围内使用发现异常，本公司一概不负责。