

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	板端连接器/筒牛/间距 2.54mm/贴面/平贴
料 号 CUSERTOMER PART NO	B-3000NXXP-0110
日 期 DATE	

客户确认 (APPROVED SIGNATURES)

核准 (APPROVAL)	工程 (ENGINEERING)	品管 (QC)
承认结果: <input type="checkbox"/> 承认 <input type="checkbox"/> 不承认 <input type="checkbox"/> 重新送样		

深圳市灿科盟实业有限公司

SHENZHEN CANKEMENG INDUSTRYCO. LTD

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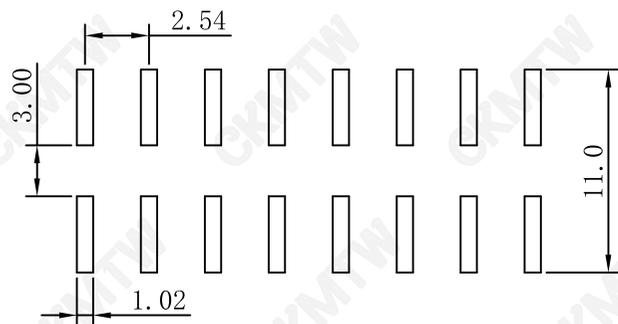
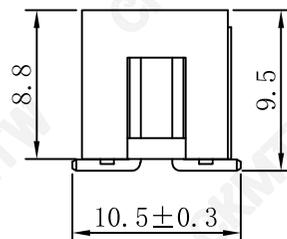
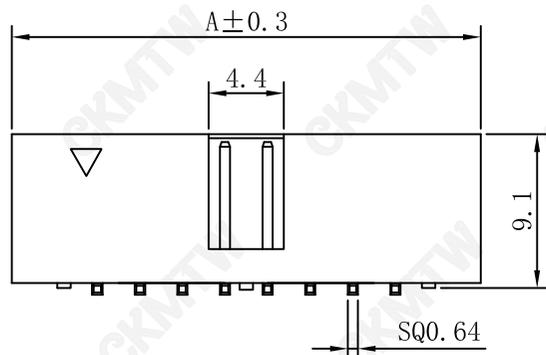
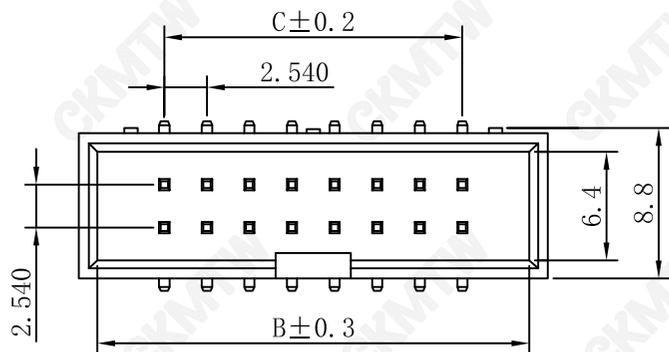
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生产基地:

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



Recommended P.C.Board Layout

SPECIFICATION:

Current Rating:3.0A AC/DC
 Voltage rating: 250V AC/DC
 Contact Resistance:20m Ω (max)
 Insulation Resistance:1000M Ω Min at 500V DC
 Dielectric Strength:500V AC Per 1 Minute
 Operating Temperature:-40℃ TO +105℃

MATERIALS:

Insulator: PA6T UL94V-0
 Contact:Brass
 Contact plated: Gold Over Nickel

Poles	Part No.	Dimension mm		
		A	B	C
6	B-3000N06P-0110	15.22	13.02	5.08
8	B-3000N08P-0110	17.76	15.56	7.62
10	B-3000N10P-0110	20.30	18.10	10.16
12	B-3000N12P-0110	22.84	20.64	12.70
14	B-3000N14P-0110	25.38	23.18	15.24
16	B-3000N16P-0110	27.92	25.72	17.78
18	B-3000N18P-0110	30.46	28.26	20.32
20	B-3000N20P-0110	33.00	30.80	22.86
22	B-3000N22P-0110	35.54	33.34	25.40
24	B-3000N24P-0110	38.08	35.88	27.94
26	B-3000N26P-0110	40.62	38.42	30.48
30	B-3000N30P-0110	45.70	43.50	35.56
34	B-3000N34P-0110	50.78	48.58	40.64
36	B-3000N36P-0110	53.32	51.12	43.18
40	B-3000N40P-0110	58.40	56.20	48.26
44	B-3000N44P-0110	63.48	61.28	53.34
50	B-3000N50P-0110	71.10	68.90	60.96
60	B-3000N60P-0110	83.80	81.60	73.66
64	B-3000N64P-0110	88.88	86.68	78.74

TOLERANCE TABLE	
.0	±0.30
.00	±0.15
.000	±0.05

APPROVED:	DATE:	Ckmtw 深圳市灿科盟实业有限公司 CHANKLEMENT INDUSTRYCO., LTD			
CHECKED:	DATE:	TITLE: 300SMT-XP W=10.5mm (2.54平贴筒牛)			
DRAWN: LYF	DATE: 2024-07-17	PART. P/N	B-3000NXXP-0110		
		UNIT	mm	SCALE	free
		FILE NO.	Ckmtw-300-0013	REV.	A

深圳市灿科盟实业有限公司

产品规格书

PRODUCT SPECIFICATION

2.54MM BOX HEADER SERIES

内容：此规格书包含简牛(300)接插件系列。

Scope: This specification covers the 2.54mm Box Header (300) spacing Connector series.

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Note::以上测试视公司之测试条件/能力而定。

FILE NO	ENS20	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	300S-XP (直针) 300R-XP (弯针)

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°C -+105°C

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 300 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。	0.2 kgf/Pin (MIN)
3-2-2 Pin Insertion force 单 PIN 插入力	Insert the crimped terminal into the connectors 将铜针插入塑胶胶芯内，测试插入值	1.5kgf/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	0.8kgf/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 时间：5±1 秒， 温度：PBT 材质 220±5°C 温度：PA6T 材质 260±5°C	No Damage 外观没有影响	
3-3-12	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)