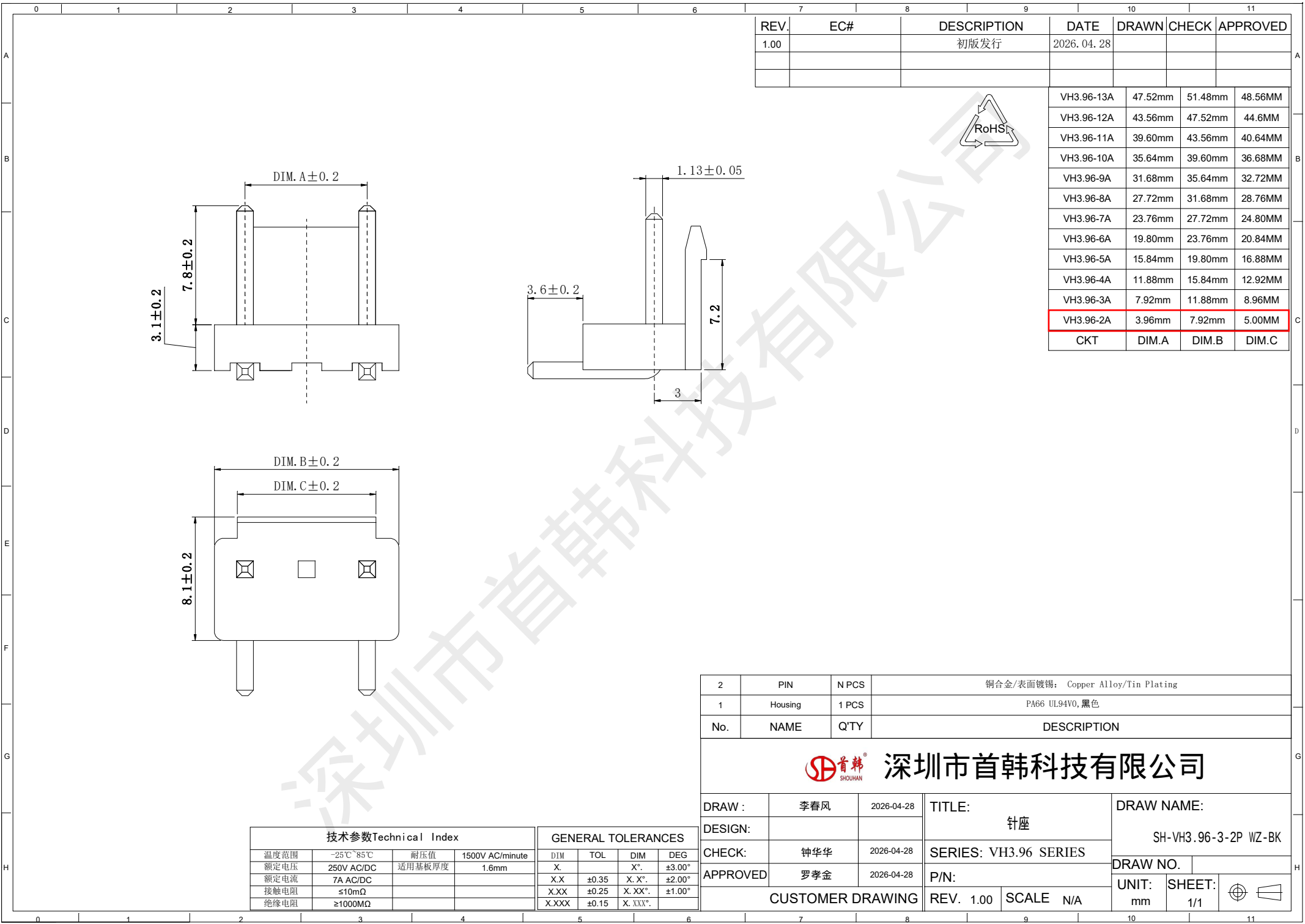




REV.	EC#	DESCRIPTION	DATE	DRAWN	CHECK	APPROVED
1.00		初版发行	2026. 04. 28			



VH3.96-13A	47.52mm	51.48mm	48.56MM
VH3.96-12A	43.56mm	47.52mm	44.6MM
VH3.96-11A	39.60mm	43.56mm	40.64MM
VH3.96-10A	35.64mm	39.60mm	36.68MM
VH3.96-9A	31.68mm	35.64mm	32.72MM
VH3.96-8A	27.72mm	31.68mm	28.76MM
VH3.96-7A	23.76mm	27.72mm	24.80MM
VH3.96-6A	19.80mm	23.76mm	20.84MM
VH3.96-5A	15.84mm	19.80mm	16.88MM
VH3.96-4A	11.88mm	15.84mm	12.92MM
VH3.96-3A	7.92mm	11.88mm	8.96MM
VH3.96-2A	3.96mm	7.92mm	5.00MM
CKT	DIM.A	DIM.B	DIM.C

2	PIN	N PCS	铜合金/表面镀锡: Copper Alloy/Tin Plating		
1	Housing	1 PCS	PA66 UL94V0, 黑色		
No.	NAME	Q'TY	DESCRIPTION		
 首韩® SHOUHAN 深圳市首韩科技有限公司					
DRAW :		李春风	2026-04-28	TITLE:	
DESIGN:				针座	
CHECK:		钟华华	2026-04-28	SERIES: VH3.96 SERIES	
APPROVED		罗孝金	2026-04-28	DRAW NAME:	
CUSTOMER DRAWING				SH-VH3.96-3-2P WZ-BK	
				DRAW NO.	
				UNIT: mm	
				SHEET: 1/1	
					

技术参数Technical Index				GENERAL TOLERANCES			
温度范围	-25℃~85℃	耐压值	1500V AC/minute	DIM	TOL	DIM	DEG
额定电压	250V AC/DC	适用基板厚度	1.6mm	X	X°	X°	±3.00°
额定电流	7A AC/DC			X.X	±0.35	X.X°	±2.00°
接触电阻	≤10mΩ			X.XX	±0.25	X.XX°	±1.00°
绝缘电阻	≥1000MΩ			X.XXX	±0.15	X.XXX°	



深圳市首韩科技有限公司

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承 认 书

SPECIFICATION FOR APPROVAL

产 品 编 码

Material code:

产品名称 Project:

针座

规格型号 Part No:

SH-VH3.96-3-2P WZ-BK

贵公司承认印 Approval signatures

料 号/Part No.	签 章/Signatures

日期 Date:

拟制/Drawn	李春风	
审核/Check	钟华华	
批准/Approved	罗孝金	

1、SCOPE: (适用范围)

1.1 This specification covers production and inspection of Connector.

本规范内容适用于本公司普通系列型条形连接器（针座）产品的生产与检验。

2、USE CONDITION: (使用条件)

2.1 Ambient temperature Range:-25℃～+85℃

环境温度：-25℃～+85℃

2.2 Applicable PC board thickness:1.6mm

适用 PC 板厚度：1.6 mm

3、Appearance and Dimension: (外观及尺寸)

3.1 Appearance:Product surface without defect、dirt、crack、and mechanical damang,
Contact without rust,plating not oxidized and not peeled.

产品表面不应有对制品有害的缺陷、污垢、裂痕及机械损伤；接触件无锈蚀、镀层氧化、脱落等现象。

3.2 Dimension:According to drawings

外形尺寸：依照附图

3.3 Exchangable:Exchangable with same specification products.

互换性：相同规格应能互换

4、Material:

材 料 （以图纸为准）

P/N 零件名称	Type 类 型	Material 材 料	Finish 表面处理	Expiain 说 明
Terminal 端子	Contact 插 簧	Phosphor bronze 锡青磷铜 厚 0.15mm	Tin Plating:3~4 μ m 镀锡：3~4 μ m	RoHS Comp liant
Housing 孔 座	Plastic 塑 壳	Nylon66 UL94V-0	Color:White 颜色：白色	
OpeningWafer 开口针座	Contact 插 针	Phosphor bronze 锡青磷铜 厚 0.30mm	Tin Plating:3~4 μ m 镀锡：3~4 μ m	
	Plastic 塑 壳	Nylon46 UL94V-0	Color: Beige 颜色：米色	
Lips Wafer 闭口针座	Contact 插 针	Phosphor bronze 锡青磷铜 厚 0.30mm	Gold Plating:3~4 μ " m 镀金：3~4 μ " m	
	Plastic 塑 壳	PBT UL94V-0	Color: White 颜色：白色	
Tiepian Wafer 卧贴针座 立贴针座	Contact 插 针	Phosphor bronze 锡青磷铜 厚 0.30mm	Tin Plating:3~4 μ m 镀锡：3~4 μ m	
	Solder tabs 焊护耳	Phosphor bronze 锡青磷铜 厚 0.25mm	Tin Plating:3~4 μ m 镀锡：3~4 μ m	
	Plastic 塑 壳	Nylon46 UL94V-0	Color: Beige 颜色：米色	

5、Electrical Performance:

电气性能

NO. 序号	Item 项目	Requirement 技术要求
5.1	Voltage Rated 额定电压	250V AC DC
5.2	Current Rated 额定电流	7A AC DC
5.3	Contact Resistance 接触电阻	$\leq 10 \text{ m}\Omega$
5.4	Insulation Resistance 绝缘电阻	$\geq 1000 \text{ M}\Omega$
5.5	Dielectric Strength 耐压	$\geq 1500 \text{ V AC/minute}$

6、Mechanical Performance:

机械性能

NO. 序号	Item 项目	Requirement 技术要求
6.1	Male contact Retention force PIN 针固定力	$\geq 10 \text{ N}$ per pin
6.2	Female contact Retention force 端子固定力	$\geq 10 \text{ N}$ per pin
6.3	Plug-in force 插入力	$\leq 3 \text{ N}$ per pin
6.4	Plug-out force 拔出力	$\geq 0.5 \text{ N}$ per pin

7、Endurance Characteristics:

环境性能

NO. 序号	Item 项目	Requirement 技术要求
7.1	Soldering test 可焊性	Time: $2.5 \pm 0.5 \text{ S}$ 时间: $2.5 \pm 0.5 \text{ S}$ Temperature: $230 \pm 5^\circ \text{C}$ 温度: $230 \pm 5^\circ \text{C}$ Area of Soldering: $\geq 95\%$ 焊锡面积: $\geq 95\%$
7.2	Resistance to soldering Heat 耐焊接热	Time: $5 \pm 1 \text{ S}$ 时间: $5 \pm 1 \text{ S}$ Temperature: $230 \pm 5^\circ \text{C}$ 温度: $230 \pm 5^\circ \text{C}$ Appearance: NO Damage 外观: 无损坏

7.3	Heat test 耐热性	Time:96h 时间: 96 小时 Temperature:+85±3℃ 温度: +85±3℃ Appearance:NO Damage 外观: 无损坏 Contact resistance: ≤20 mΩ 接触电阻: ≤20 mΩ
7.4	Cold test 耐冷性	Time:48h 时间: 48 小时 Temperature:-25±3℃ 温度: -25±3℃ Appearance:NO Damage 外观: 无损坏 Contact resistance: ≤20 mΩ 接触电阻: ≤20 mΩ
7.5	Temperature Cycling 温度循环	Low temperature:-25±3℃ 低温: -25±3℃ High temperature:85±3℃ 高温: 85±3℃ For 5 cycles.test after keeping in Normal Condition for 30 min. 5 次循环后, 放置在正常环境中 30 分钟, 进行测试 Appearance: NO Damage 外观: 无损坏 Contact resistance: ≤20 mΩ 接触电阻: ≤20mΩ
7.6	Invariab lenes humidity 恒定湿热	Temperature:60±2℃ 温度: 60±2℃ Relative humidity:90%-96% RH 相对湿度: 90%-96% RH Tim:96h 时间: 96 小时 Appearance:NO Damage 外观: 无损坏 Contact resistance: ≤20 mΩ 接触电阻: ≤20 mΩ Insulation Resistance: ≥100MΩ 绝缘电阻: ≥100 MΩ
7.7	Salt Spray 盐雾试验	Salt concentration: 5±1% 浓度: 5±1% Temperature:35±2℃ 温度: 35±2℃ Tim:16±2h 时间: 16±2 小时 After salt is removed by running wafer and A drop is removed ,it is measured. 把试验样品从试验箱顶悬挂下来, 采用浓度 (5±1) %的 氯化钠溶液, 连续雾化 16 小时, 试验后用流动的蒸馏水 轻轻洗去表面沉积物, 在常温常驻湿条件下恢复 1-2 小时, 外观无损伤 Appearance:NO Damage 外观: 无损坏 Contact resistance: ≤20 mΩ 接触电阻: ≤20 mΩ