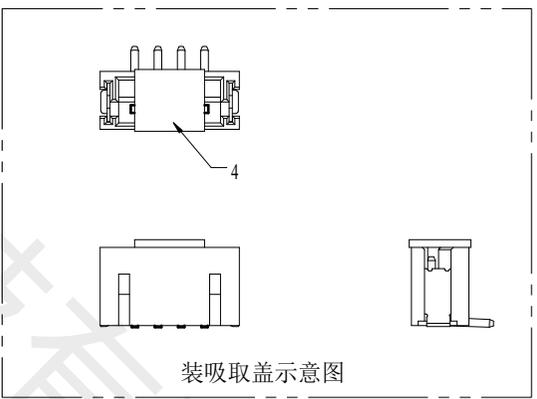
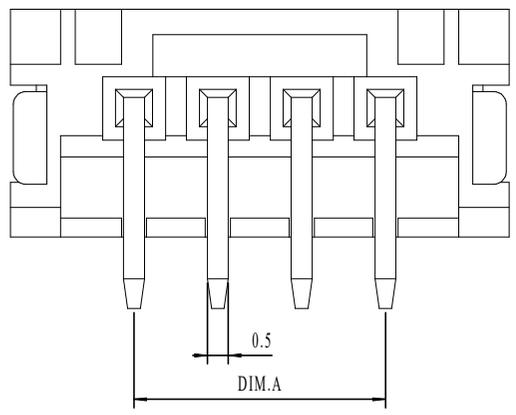
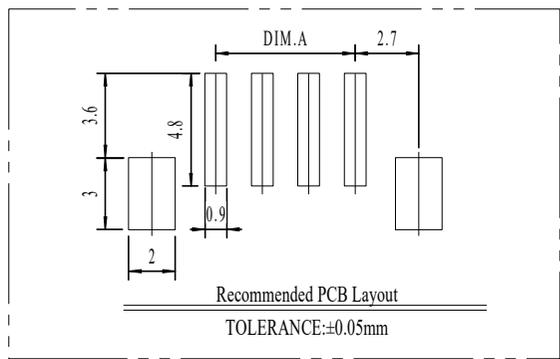
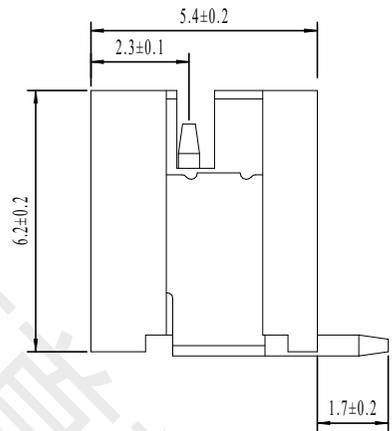
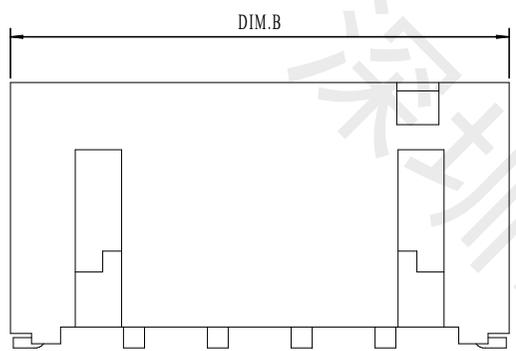


REV.	EC#	DESCRIPTION	DATE	DRAWN	CHECK	APPROVED
1.00		初版发行	2020-05-20			



2.0立式贴片	DIM.A-(mm)	DIM.B-(mm)
2.0LT-2P	2.0mm	7.90mm
2.0LT-3P	4.0mm	9.90mm
2.0LT-4P	6.0mm	11.90mm
2.0LT-5P	8.0mm	13.90mm
2.0LT-6P	10.0mm	15.90mm
2.0LT-7P	12.0mm	17.90mm
2.0LT-8P	14.0mm	19.90mm
2.0LT-9P	16.0mm	21.90mm
2.0LT-10P	18.0mm	23.90mm
2.0LT-11P	20.0mm	25.90mm
2.0LT-12P	22.0mm	27.90mm
2.0LT-13P	24.0mm	29.90mm
2.0LT-14P	26.0mm	31.90mm
2.0LT-15P	28.0mm	33.90mm
2.0LT-16P	30.0mm	35.90mm
2.0LT-17P	32.0mm	37.90mm
2.0LT-18P	34.0mm	39.90mm
2.0LT-19P	36.0mm	41.90mm
2.0LT-20P	38.0mm	43.90mm

4	Cap	1 PCS	材质:LCP (UL94V-0),颜色:本色或黑色
3	FITTING NAIL	2 PCS	材质:黄铜,电镀:镀亮锡60u*MIN
2	PIN	n PCS	材质:黄铜,电镀:镀亮锡60u*MIN
1	Housing	1 PCS	材质:LCP (UL94V-0),颜色:本色或黑色
NO.	NAME	Q'TY	DESCRIPTION

技术要求:

- 1) 材质:见附表;2
- 2) 电镀:见附表;
- 3) 塑件表面平整、光洁、无毛刺、气泡、烧焦、变形、浇口无拉伤、多料或缺料等不良现象;
- 4) 端子表面无氧化、电镀不良等现象。

适应基板厚度: 1.2mm~1.6mm  
 温度范围: -25℃~85℃  
 额定电压: 250V AC/DC  
 额定电流: 2A  
 绝缘电阻: 1000M  
 耐压: 800VAC/minute

GENERAL TOLERANCES			
DIM	TOL	DIM	DEG
X		X°	±3.00°
X.X	±0.35	X.X°	±2.00°
X.XX	±0.25	X.XX°	±1.00°
X.XXX	±0.15	X.XXX°	

**首韩 SHOUHAN** 深圳市首韩科技有限公司

DRAW :	李春风	2020-05-20	TITLE:	针座	DRAW NAME:		
DESIGN:			SERIES:		2.0mm-7P LT		
CHECK:	钟华华	2020-05-20	P/N:		DRAW NO.		
APPROVED	罗孝金	2020-05-20	REV. 1.00	SCALE N/A	UNIT:	SHEET:	+
CUSTOMER DRAWING					mm	1/1	



深圳市首韩科技有限公司

SHENZHEN SHOUHAN TECHNOLOGY CO., LTD

Tel: 0755-27597601 Fax: 0755-27597491

# 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: 2.0-7P LT

\_\_\_\_\_

### 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) 2.0mm 立贴 位数通用

1.1 This specification covers production and inspection of Mode 1 PH Connector.  
本规范内容适用于本公司 PH 系列型条形连接器产品的生产与检验。

2、USE CONDITION: (使用条件)

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

环境温度: -25℃~+85℃

2.2 Applicable Wire Sizes:AWG#24~#30

适用线规: AWG#24~#30

2.3 Applicable PC board thickness:0.8~1.6mm

适用 PC 板厚度: 0.8~1.6 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 oxided 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

P/N 零件名称	Type 类 型	Material 材 料	Finish 表面处理	Expaiain 说 明
Terminal 端子	Contact 插 簧	Phosphor bronze 锡青磷铜 厚 0.20mm	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	
Wafer 直针座 弯针座	Plastic 塑 壳	Nylon66 UL94V-0	Color: White 颜色: 白色	
	Contact 插 针	Brass 黄铜 厚 0.50mm	Tin Plating:3~4 μ m 镀锡: 3~4 μ m	
Wafer 卧贴针座 立贴针座	Plastic 塑 壳	Nylon9T UL94V-0	Color: Beige 颜色: 米色	
	Contact 插 针	Brass 黄铜 厚 0.50mm	Tin Plating:3~4 μ m 镀锡: 3~4 μ m	
	Solder tabs 焊护耳	Phosphor bronze 锡青磷铜 厚 0.40mm	Tin Plating:3~4 μ m 镀锡: 3~4 μ m	

## 5、Electrical Performance:

电气性能

N0. 序号	Ltem 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	2A AC DC
5.3	Contact Resistance 接触电阻	$\leq 10$ m $\Omega$
5.4	Insulation Resistance 绝缘电阻	$\geq 1000$ M $\Omega$
5.5	Dielectric Strength 耐压	$\geq 800$ V AC/minute

## 6、Mechanical Performance:

机械性能

N0. 序号	Ltem 项目	Requirement 技术要求
6.1	Male contact Retention force PIN 针固定力	$\geq 15$ N per pin
6.2	Female contact Retention force 端子固定力	$\geq 15$ N per pin
6.3	Plug-in force 插入力	$\leq 8$ N per pin
6.4	Plug-out force 拔出力	$\geq 1$ N per pin

## 7、Endurance Characteristics:

环境性能

N0. 序号	Ltem 项目	Requirement 技术要求
7.1	Soldering rest 可焊性	Time: $2.5 \pm 0.5$ S 时间: $2.5 \pm 0.5$ S  Temperature: $245 \pm 5^\circ\text{C}$ 温度: $245 \pm 5^\circ\text{C}$  Area of Soldering: $\geq 95\%$ 焊锡面积: $\geq 95\%$

7.2	Resistance to soldering Heat 耐焊接热	Time:5±1S 时间: 5±1S  Temperature:260±5℃ 温度: 260±5℃  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: ≤10 mΩ 接触电阻: ≤10 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: ≤10 mΩ 接触电阻: ≤10 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: ≤10 mΩ 接触电阻: ≤10 mΩ

7.6	<p>Invariab lenes humidity 恒定湿热</p>	<p>Temperature: <math>60 \pm 2^{\circ}\text{C}</math> 温度: <math>60 \pm 2^{\circ}\text{C}</math></p> <p>Relative humidity: 90%-96% RH 相对湿度: 90%-96% RH</p> <p>Tim: 96h 时间: 96 小时</p> <p>Appearance: NO Damage 外观: 无损坏</p> <p>Contact resistance: <math>\leq 10 \text{ m}\Omega</math> 接触电阻: <math>\leq 10 \text{ m}\Omega</math></p> <p>Insulation Resistance: <math>\geq 1000 \text{ M}\Omega</math> 绝缘电阻: <math>\geq 1000 \text{ M}\Omega</math></p>
7.7	<p>Salt Spray 盐雾试验</p>	<p>Salt concentration: <math>5 \pm 1\%</math> 浓度: <math>5 \pm 1\%</math></p> <p>Temperature: <math>35 \pm 2^{\circ}\text{C}</math> 温度: <math>35 \pm 2^{\circ}\text{C}</math></p> <p>Tim: <math>16 \pm 2\text{h}</math> 时间: <math>16 \pm 2</math> 小时</p> <p>After salt is removed by running wafer and A drop is removed ,it is measured.</p> <p>把试验样品从试验箱顶悬挂下来, 采用浓度 (<math>5 \pm 1</math>) %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</p> <p>Appearance: NO Damage 外观: 无损坏</p> <p>Contact resistance: <math>\leq 10 \text{ m}\Omega</math> 接触电阻: <math>\leq 10 \text{ m}\Omega</math></p>

## 8、Packaging Transportation Storage

包装、运输、贮存

### 8.1 Packaging

包装

- (1) **The packing of plastic inner is the plastic bag,the packing of inner terminal is panel mounting attach material packing, marked with product name, specification model, quantity, date in produced.**

塑件内包装为塑料袋，端子内包装为盘装带料包装，装（贴）入合格证，注明产品名称、规格型号、数量生产日期

- (2) **Exterior package is carton, facing the packing list, the packing list marked with product name, specification model, quantity, date of dispatch.**

外包装为纸箱，贴装箱单、装箱单上注明产品名称、规格型号、数量、出货日期

- (3) **The product in the box must not rock.**

产品在箱内不晃动

### 8.2 Transportation

运输

**Allow for any way transportation, can't get wet and mechanical in jury.**

允许用任何方式运输，勿淋湿及机械性损伤

### 8.3 Storage

贮存

**The connector of packing finished should be in the ambient temperature between-10°C to+40°C, Relative humidity≤80%. To store in storehouse does not have acidic, alkaline air and other corrosive gas in the ambient air.**

包装完毕的连接器应在环境温度为-10℃~+40℃，相对湿度≤80%，周围空气中没有酸性，碱性及其它腐蚀性气体的库房中贮存