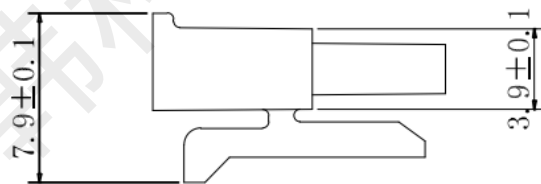
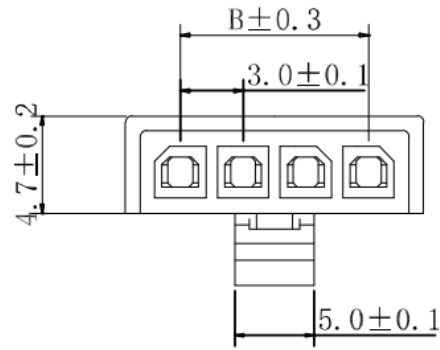
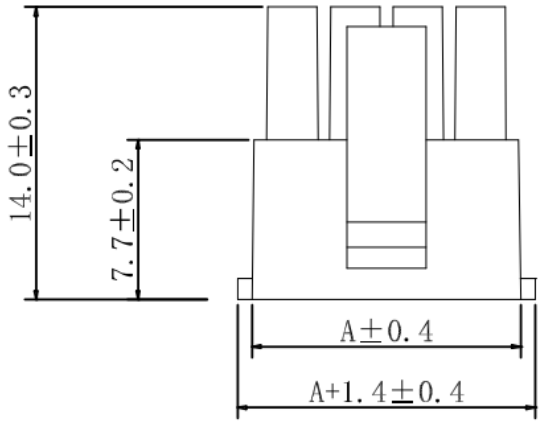


REV.	EC#	DESCRIPTION	DATE	DRAWN	CHECK	APPROVED
1.00		初版发行	2018-05-28			

孔位	A-mm	B-mm
2Y	6.90	3.00
3Y	9.90	6.00
4Y	12.90	9.00
5Y	15.90	12.00
6Y	18.90	15.00
7Y	21.90	18.00
8Y	24.90	21.00
9Y	27.90	24.00
10Y	30.90	27.00
11Y	33.90	30.00
12Y	36.90	33.00

适用线规: AWG#28~#22  
 额定电压: 250V AC/DC  
 额定电流: 5A  
 耐压: 1000V AC/minute  
 温度范围: -25°C~+85°C  
 绝缘电阻: ≥1000MΩ  
 接触电阻: ≤0.015Ω



- 技术要求:
- 1) 材质: 见附表;
  - 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、电镀无不良现象。

1	底座	1 PCS	材质:PA66 (UL94-V2)
NO.	NAME	Q'TY	DESCRIPTION

**SHOUHAN 深圳市首韩科技有限公司**

DRAW :	李春风	2018-04-22	TITLE:	胶壳	DRAW NAME:	SH-MX3.0-4Y
DESIGN:			SERIES:		DRAW NO.:	
CHECK:	钟华华	2018-04-22	P/N:		UNIT:	mm
APPROVED	罗孝金	2018-04-22	SCALE	N/A	SHEET:	1/1
CUSTOMER DRAWING			REV.	1.00		

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°	



深圳市首韩科技有限公司

SHENZHEN SHOUHAN TECHNOLOGY CO., LTD

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# 承 认 书

## SPECIFICATION FOR APPROVAL

产品编码  
Material code:

\_\_\_\_\_

产品名称 Project:

胶壳

\_\_\_\_\_

规格型号 Part No:

SH-MX3.0-4Y

\_\_\_\_\_

### 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 Wire Sizes:AWG#22~#28

适用线规： AWG#22~#28

2.3 Applicable PC board thickness:1.2~1.6mm

适用 PC 板厚度： 1.2~1.6 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	Explain 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 Compliant
Housing 孔座	Plastic 塑壳	Nylon66 UL94V-0	Color:White 颜色: 白色	
Opening Wafer 开口针座	Contact 插针	Phosphor bronze 黄铜 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 黄铜 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 黄铜 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	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	5A AC DC
5.3	Contact Resistance 接触电阻	$\leq 20\text{m}\Omega$
5.4	Insulation Resistance 绝缘电阻	$\geq 1000\text{M}\Omega$
5.5	Dielectric Strength 耐压	$\geq 1000\text{V AC/minute}$

### 6、Mechanical Performance:

机械性能

NO. 序号	Ltem 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	$\leq 6\text{N}$ per pin
6.4	Plug-out force 拔出力	$\geq 1.2\text{N}$ per pin

### 7、Endurance Characteristics:

环境性能

NO. 序号	Ltem 项目	Requirement 技术要求
7.1	Soldering rest 可焊性	



7.2	Resistance to soldering Heat 耐焊接热	
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: ≤60 mΩ 接触电阻: ≤60 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: ≤60 mΩ 接触电阻: ≤60 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, 在进 行测试  Appearance: NO Damage 外观: 无损坏  Contact resistance: ≤60 mΩ 接触电阻: ≤60 mΩ



7.6	Invariablenes humidity 恒定湿热	<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 Appearance: NO Damage 外观: 无损坏</p> <p>Contact resistance: <math>\leq 60 \text{ m}\Omega</math> 接触电阻: <math>\leq 60 \text{ m}\Omega</math></p> <p>Insulation Resistance: <math>\geq 100 \text{ M}\Omega</math> 绝缘电阻: <math>\geq 100 \text{ M}\Omega</math></p>
7.7	Salt Spray 盐雾试验	<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: /h 时间: / 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 60 \text{ m}\Omega</math> 接触电阻: <math>\leq 60 \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, specificcation 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℃ to+40℃, 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