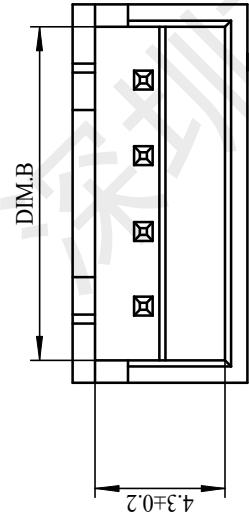
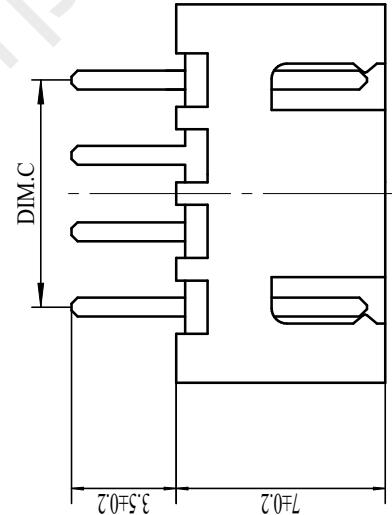


0	1	2	3	4	5	6	7	8	9	10	11
REV.	EC#	DESCRIPTION			DATE			DRAWN	CHECK	APPROVED	
1.00		初版发行			2020-8-28						



A technical drawing of a stepped profile. The profile consists of a vertical line with three horizontal steps. The top step has a width of 2.5, indicated by a dimension line with arrows. The drawing also includes a tolerance callout showing a range from 0.00 to 0.00, with a '+' sign above the upper value.



A technical drawing of a vertical rectangular component. It features four square cutouts, one in each of the four quadrants of the inner rectangle. A dimension line on the right side indicates a total width of 3.8 with a tolerance of ±0.2. The drawing is enclosed in a rectangular border.

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、电镀不良等现象。

温度范围：-25℃~85℃

适应基板厚度：1.2mm~16mm

额定电压：250V AC/DC

接触电阻:  $\leq 0.02 \Omega$   
绝缘电阻:  $\geq 100M \Omega$   
耐压:  $1000V AC/DC$

66增强(耐温UL94V-0),颜色:米色

⑧ 深圳市韻下電子有限公司  
DESCRIPTION

\_\_\_\_\_ DRAW NAME: \_\_\_\_\_

GENERAL TOLERANCES			
DIM	TOL	DIM	DEG
X.		X <sup>o</sup> .	±30 <sup>o</sup>
X.X	±0.35	X.X <sup>o</sup>	±20 <sup>o</sup>
X.XX	±0.25	X.XX <sup>o</sup>	±10 <sup>o</sup>
X.XXX	±0.15	X.XXX <sup>o</sup>	

HX 2.54mm-15P ZZ-MS



® 深圳市韩下电子有限公司  
Shenzhen Hanxia Electronic Co., Ltd  
Tel: 0755-23086569

## 承 认 书

## SPECIFICATION FOR APPROVAL

产品编码  
Material code:

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产品名称 Project: 针座

---

规格型号 Part No: HX 2.54mm-15P ZZ-MS

---

贵公司承认印 Approval signatures

料号/Part No.	签章/Signatures

日期 Date:

拟制/Drawn	黄彬	
审核/Check	张伟	
批准/Approved	罗小春	



## 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°C~+85°C

环境温度: -25°C~+85°C

### 2.2 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 $\mu$ m 镀锡: 3~4 $\mu$ m	RoHS Compliant
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 $\mu$ m 镀锡: 3~4 $\mu$ m	RoHS Compliant
	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 $\mu$ " m 镀金: 3~4 $\mu$ " m	RoHS Compliant
	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 $\mu$ m 镀锡: 3~4 $\mu$ m	RoHS Compliant
	Solder tabs 焊护耳	Phosphor bronze 锡青磷铜 厚 0.25mm	Tin Plating:3~4 $\mu$ m 镀锡: 3~4 $\mu$ m	
	Plastic 塑 壳	Nylon46 UL94V-0	Color: Beige 颜色: 米色	



**5、Electriacal 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	3A AC DC
5.3	Contact Resistance 接触电阻	$\leq 20 \text{ m}\Omega$
5.4	Insulation Resistance 绝缘电阻	$\geq 100 \text{M}\Omega$
5.5	Dielectric Strength 耐压	$\geq 1000 \text{V AC/minute}$

**6、Mechanical Performance:**

机械性能

NO. 序号	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 contactRetention 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 rest 可焊性	Time: $2.5 \pm 0.5 \text{S}$ 时间: $2.5 \pm 0.5 \text{S}$ Temperature: $250 \pm 5^\circ\text{C}$ 温度: $250 \pm 5^\circ\text{C}$ 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: $250 \pm 5^\circ\text{C}$ 温度: $250 \pm 5^\circ\text{C}$ 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°C 温度: +85±3°C Appearance:N0 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°C 温度: -25±3°C Appearance:N0 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°C 低温: -25±3°C High temperature:85±3°C 高温: 85±3°C 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: N0 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°C 温度: 60±2°C Relative humidity:90%-96% RH 相对湿度: 90%-96% RH Tim:96h 时间: 96 小时 Appearance:N0 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°C 温度: 35±2°C 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:N0 Damage 外观: 无损坏 Contact resistance: ≤20 mΩ 接触电阻: ≤20 mΩ