

联晟欣连接器（深圳）有限公司

Lianshengxin Connector (Shenzhen) Co., Ltd

工厂地址: 深圳市光明区马田街道马山头社区工业区 100 栋 3 楼

Factory address: 3rd Floor, Building 100, Mashantou Community

Industrial Zone, Matian Street, Guangming District, Shenzhen

Product Specifications

产 品 承 认 书

客 户

Customer:

部品编号

Part Number:

A1501

产品名称

Description:

ZH 1.50系列

客户料号

Code NO:

样品提供 (SAMPLE PROVIDE)		
工程 Engineering	业务 Sales	核准 Approval
黄梅	李强	潘正熊

客户承认 (CUSTOMER APPROVAL)		
工程 Engineering	品管 Q. C	核准 Approval

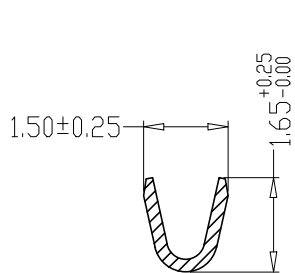
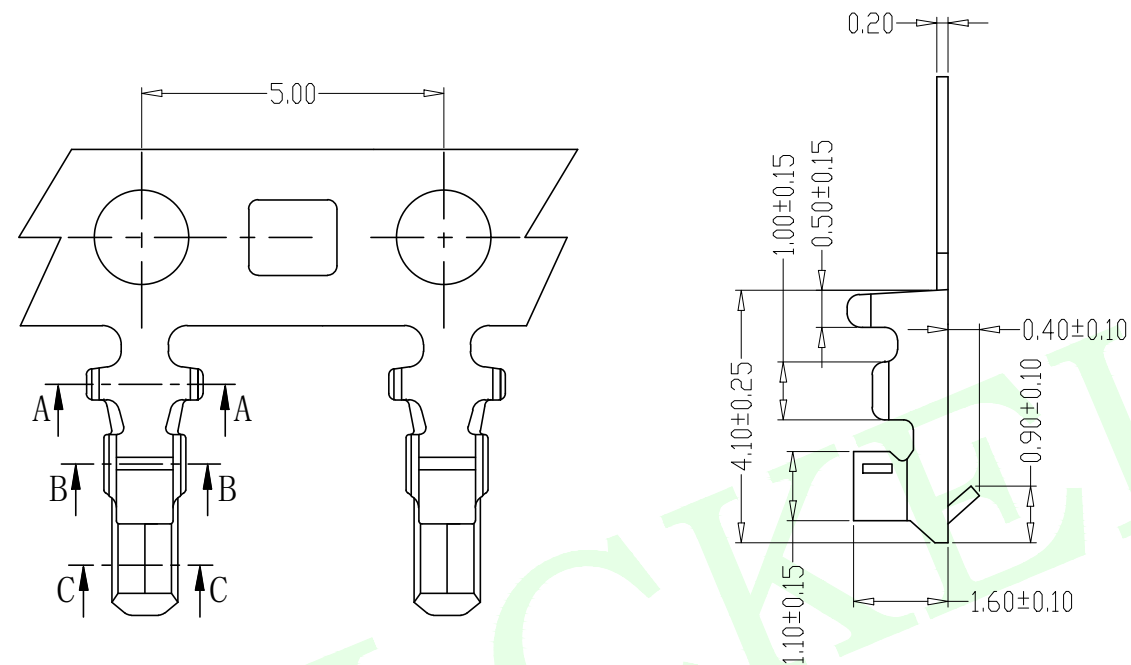
产 品 承 认 书 目 录

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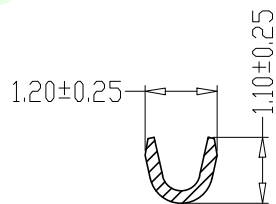
RoHS Compliant

SPECIFICATIONS

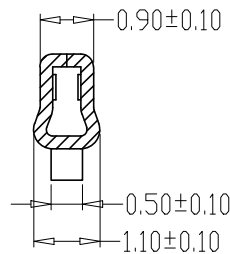
- 1、Current Rating: 1A AC, DC
- 2、Voltage Rating: 100V AC, DC
- 3、Temperatuer Range: -25℃~+85℃
- 4、Contact Resistance: 20mΩ Max
- 5、Insulation Resistance: 500MΩ Min
- 6、Withstanding Voltang: 500V AC/minute
- 7、Material:Phosphoric bronze Tin-plated
- 8、Applicable Wire Sizes:AWG#26~32#



SEC:A-A



SEC:B-B



SEC:C-C

QUADRANT POINT (QP)
TANGENCY POINT (TP)
INTERSECTION POINT (IP)

UNLESS OTHERWISE SPECIFIED, TOLERANCE:

X.	±0.25
X.x	±0.20
X.xx	±0.15
ANGULAR	±3°



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DESIGN	Andy	DATE	2014.12.24
CHECKED		DATE	
APPROVED		DATE	

TITLE:
ZH 1.50Pitch 端子

PART NO: LCK-WF-A1501-T

REV: 04

SCALE: 1:1

UNIT: mm

DRAWING NO:

SIZE: A4

SHEET: 1/1



RoHS Compliant

Circuit 1

圆孔

方孔

SPECIFICATIONS

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- 2、Voltage Rating: 100V AC, DC
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- 4、Contact Resistance: 20mΩ Max
- 5、Insulation Resistance: 500MΩ Min
- 6、Withstanding Voltang: 500V AC/minute
- 7、Material:Housing:PA66,UL94V-0

TYPE 1 常规

TYPE 2

5Y以下

PIN	尺寸 (mm)		
	A	B	C
02	1.50	4.50	3.30
03	3.00	6.00	4.80
04	4.50	7.50	6.30
05	6.00	9.00	7.80
06	7.50	10.50	9.30
07	9.00	12.00	10.80
08	10.50	13.50	12.30
09	12.00	15.00	13.80
10	13.50	16.50	15.30
11	15.00	18.00	16.80
12	16.50	19.50	18.30
13	18.00	21.00	19.80
14	19.50	22.50	21.30
15	21.00	24.00	22.80
16	22.50	25.50	24.30
17	24.00	27.00	25.80
18	25.50	28.50	27.30
19	27.00	30.00	28.80
20	28.50	31.50	30.30

QUADRANT POINT (QP)
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INTERSECTION POINT (IP)

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X.x ±0.20
X.xx ±0.15
ANGULAR ±3°

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DESIGN	Andy	DATE	2014.12.24	TITLE:	ZH 1.50Pitch 胶壳		
CHECKED		DATE					
APPROVED		DATE					
PART NO:	LCK-WF-A1501H-NPA			REV:	04	SCALE:	1:1
DRAWING NO:				SIZE:	A4	SHEET:	1/1

RoHS Compliant

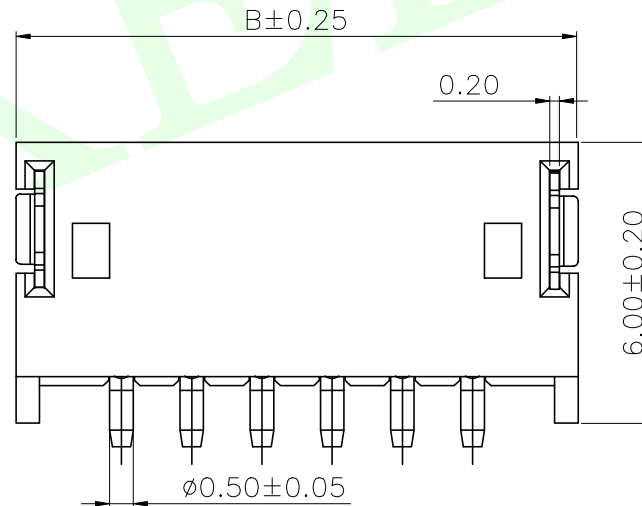
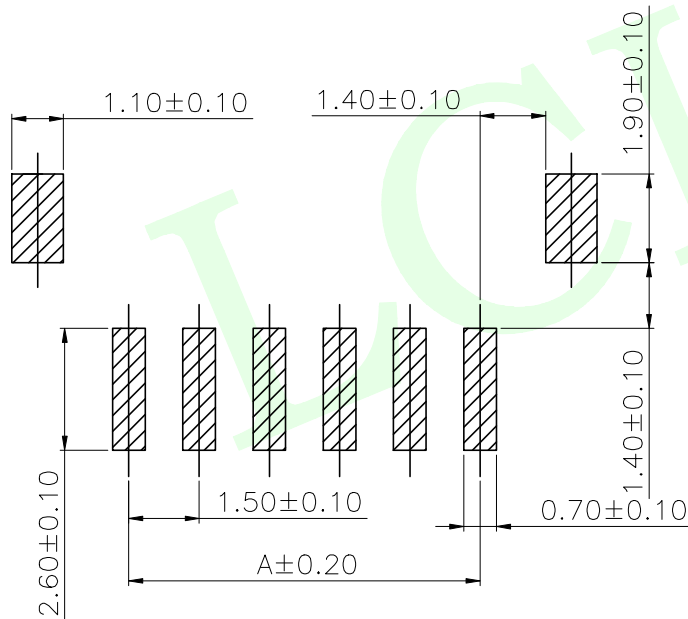
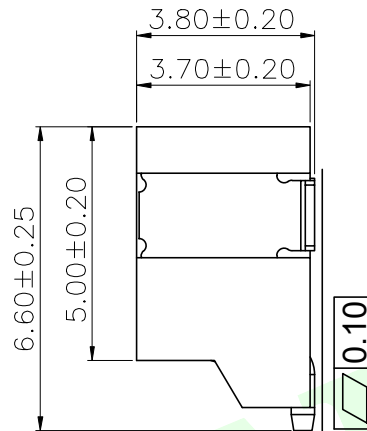
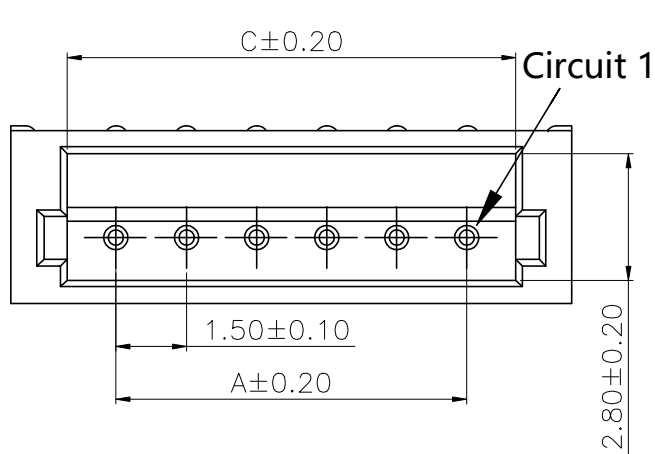
A

B

C

D

E



SPECIFICATIONS

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 - 2、Voltage Rating: 100V AC, DC
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 - 5、Insulation Resistance: 500MΩ Min
 - 6、Withstanding Voltang: 500V AC/minute
 - 7、Material: Wafer PA6T, UL94V-0
- PIN Brass Tin-plated
Solder tad Phosphoric copper Tin-plated

PIN	尺寸 (mm)		
	A	B	C
02	1.50	6.00	3.70
03	3.00	7.50	5.20
04	4.50	9.00	6.70
05	6.00	10.50	8.20
06	7.50	12.00	9.70
07	9.00	13.50	11.20
08	10.50	15.00	12.70
09	12.00	16.50	14.20
10	13.50	18.00	15.70
11	15.00	19.50	17.20
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QUADRANT POINT QP
TANGENCY POINT TP
INTERSECTION POINT IP

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X. ±0.25
X.x ±0.20
X.xx ±0.15
ANGULAR ±3°



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DESIGN Andy DATE 2014.12.24
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APPROVED DATE

PART NO: LCK-WF-A1501WR-S-NPA

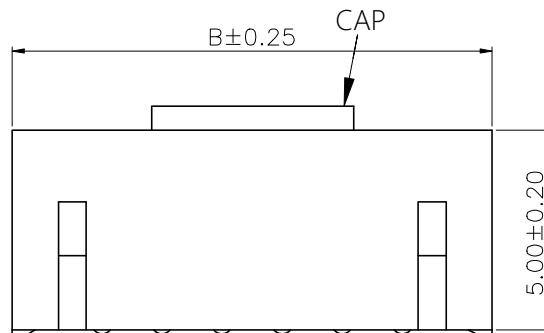
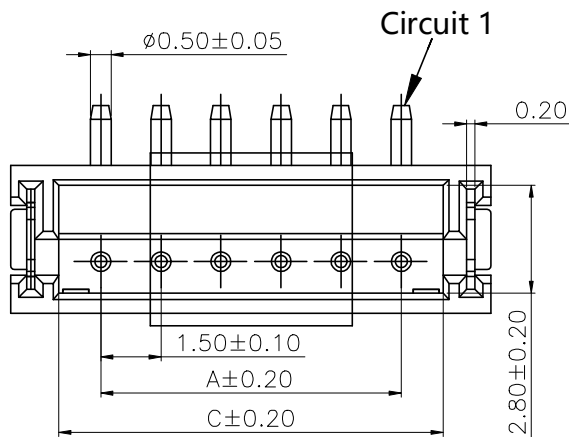
DRAWING NO:

TITLE:
ZH 1.50Pitch 贴片

REV: 04 SCALE: 1:1 UNIT: mm

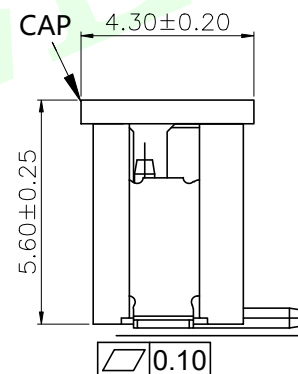
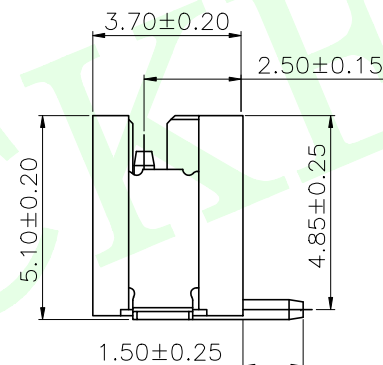
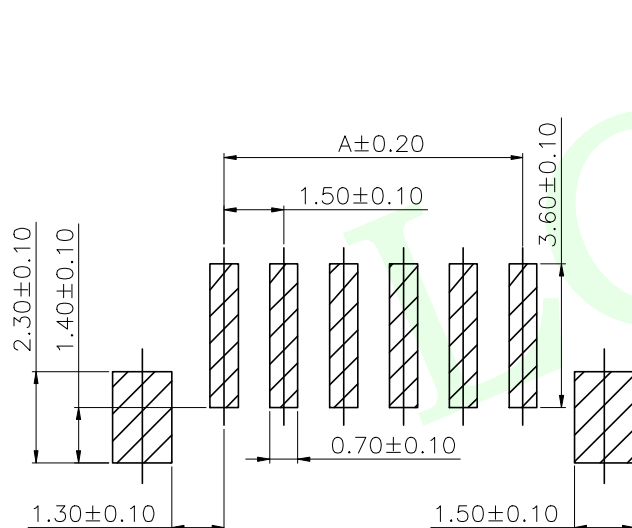
SIZE: A4 SHEET: 1/1

RoHS Compliant



SPECIFICATIONS

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- 7、Material: Wafer PA6T, UL94V-0
PIN Brass Tin-plated
Solder tad Phosphoric copper Tin-plated



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	A	B	C
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03	3.00	7.50	5.20
04	4.50	9.00	6.70
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TANGENCY POINT TP
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X.x ± 0.20
X.xx ± 0.15
ANGULAR $\pm 3^{\circ}$



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DESIGN Andy DATE 2014.12.24
CHECKED DATE
APPROVED DATE

PART NO: LCK-WF-A1501WV-S-2PA

DRAWING NO:

TITLE: ZH 1.50Pitch 立贴

REV: 04 SCALE: 1:1 UNIT: mm

SIZE: A4 SHEET: 1/1

RoHS Compliant

SPECIFICATIONS

- 1、Current Rating: 1A AC, DC
- 2、Voltage Rating: 100V AC, DC
- 3、Temperatuer Range: $-25^{\circ}\text{C} \sim +85^{\circ}\text{C}$
- 4、Contact Resistance: $20\text{m}\Omega$ Max
- 5、Insulation Resistance: $500\text{M}\Omega$ Min
- 6、Withstanding Voltang: 500V AC/minute
- 7、Material: Wafer PA46 Beige, UL94V-0
PIN Brass Tin-plated

PIN	尺寸 (mm)		
	A	B	C
02	1.50	4.50	3.70
03	3.00	6.00	5.20
04	4.50	7.50	6.70
05	6.00	9.00	8.20
06	7.50	10.50	9.70
07	9.00	12.00	11.20
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16	22.50	25.50	24.70
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PCB LAYOUT

QUADRANT POINT 
TANGENCY POINT 
INTERSECTION POINT 

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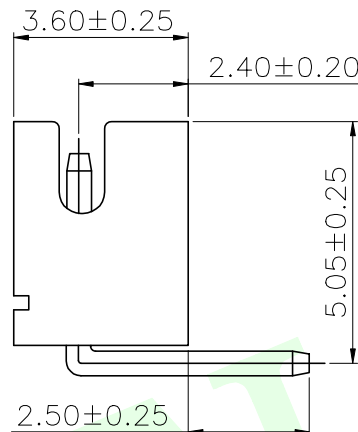
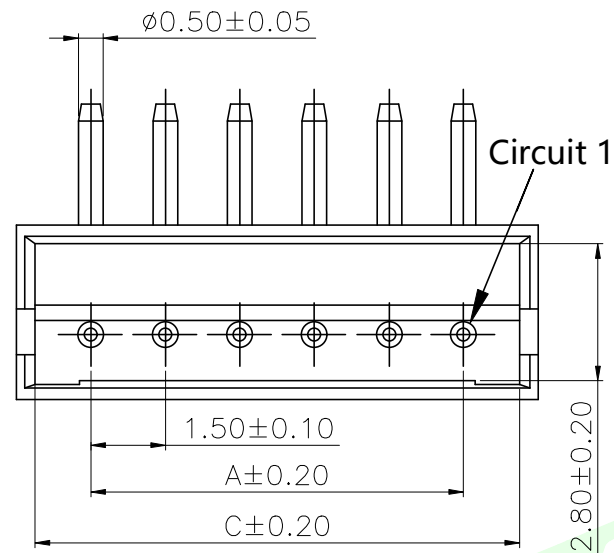
DRAWING NO:

TITLE:
ZH 1.50Pitch 定位弯针

REV: 04 SCALE: 1:1 UNIT: mm

SIZE: A4 SHEET: 1/1 

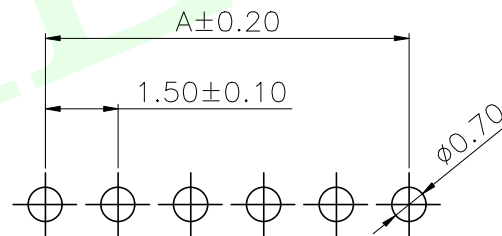
RoHS Compliant



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- 4、Contact Resistance: $20\text{m}\Omega$ Max
- 5、Insulation Resistance: $500\text{M}\Omega$ Min
- 6、Withstanding Voltang: 500V AC/minute
- 7、Material: Wafer PBT/PA46 White/Beige, UL94V-0
PIN Brass Tin-plated

PIN	尺寸 (mm)		
	A	B	C
02	1.50	4.50	3.70
03	3.00	6.00	5.20
04	4.50	7.50	6.70
05	6.00	9.00	8.20
06	7.50	10.50	9.70
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TANGENCY POINT (TP)
INTERSECTION POINT (IP)

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ANGULAR $\pm 3^{\circ}$



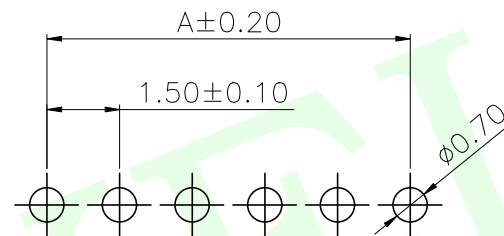
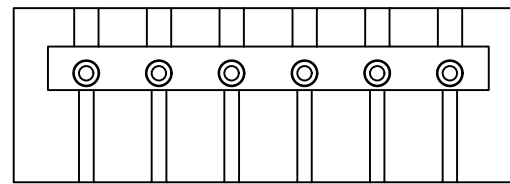
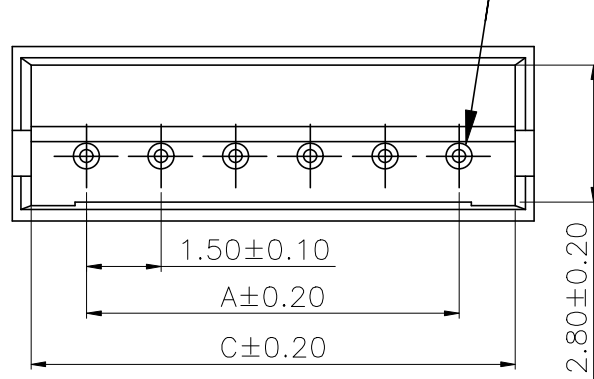
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Lianshengxin Connector (Shenzhen) Co., Ltd

DESIGN Andy DATE 2014.12.24
CHECKED DATE
APPROVED DATE
PART NO: LCK-WF-A1501WR-W-NPA
DRAWING NO:

TITLE: ZH 1.50Pitch 弯针
REV: 04 SCALE: 1:1 UNIT: mm
SIZE: A4 SHEET: 1/1

RoHS Compliant

Circuit 1

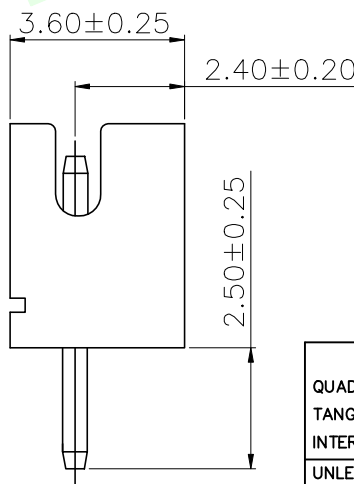
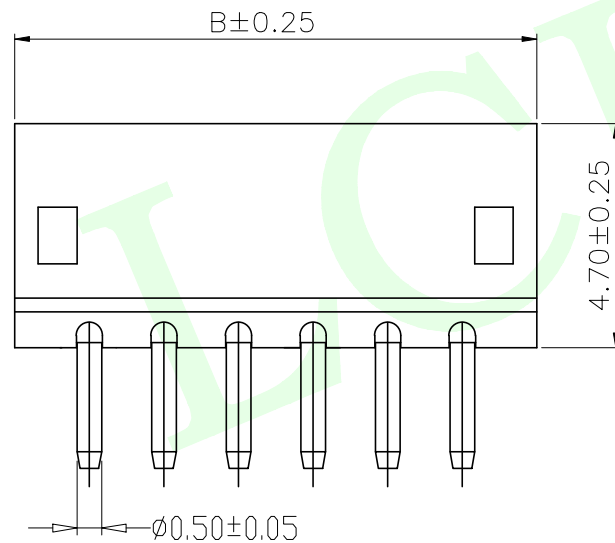


PCB LAYOUT

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PIN Brass Tin-plated

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13	18.00	21.00	20.20
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17	24.00	27.00	26.20
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19	27.00	30.00	29.20
20	28.50	31.50	30.70



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DESIGN	Andy	DATE	2014.12.24	TITLE: ZH 1.50Pitch 直针		
CHECKED		DATE				
APPROVED		DATE				
PART NO: LCK-WF-A1501WV-NPA				REV: 04	SCALE: 1:1	UNIT: mm
DRAWING NO:				SIZE: A4	SHEET: 1/1	

1、SCOPE

适用范围

The contents of specifications for ZH series connector strip, including product performance, test methods and inspection requirements

本规格书内容适用于 ZH 系列条形连接器，包含了产品的性能、试验方法和检验要求

2、APPLICABLE STANDARDS

适用的标准

- | | | |
|-----|----------|--|
| 2.1 | GB/T2421 | Testing method for Environmental of Electrical Connectors Class 1: General Principles |
| | GB/T2421 | 电工电子产品环境试验 第一部分 总则 |
| 2.2 | GB/T2423 | Testing method for Environmental of Electrical Connectors |
| | GB/T2423 | 电工电子产品环境试验方法 |
| 2.3 | GB/T2424 | Testing method for Environmental of Electrical Connectors |
| | GB/T2424 | 电工电子产品环境试验导则 |
| 2.4 | GB/T5095 | Testing Procedure/method for components of electric equipment |
| | | 电子设备用机电元件基本试验规程及测量方法 |

3、USE CONDITION

使用条件

- 3.1 Ambient temperature Range:-25℃～+85℃**
环境温度：-25℃～+85℃
- 3.2 Applicable Wire Sizes:AWG#26～#32**
适用线规：AWG#26～#32
- 3.3 Applicable PC board thickness:0.6~1.2mm**
适用 PC 板厚度：0.6~1.2mm

4、Appearance and Dimension

外观及尺寸

- 4.1 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.
- 4.2 Dimension:According to drawings**
外形尺寸：依照附图
- 4.3 Exchangable:Exchangable with same specification products.**
互换性：相同规格应能互换

5、Material

材 料

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 0.20mm	Tin Plating:3~5 μ m 镀锡: 3~5 μ m 先冲后镀	RoHS
Housing 孔 座	Plastic 塑 壳	Nylon66 UL94V-0	Color: White 颜色: 白色	
Wafer 直针座	Plastic 塑 壳	PA46 UL94V-0	Color: Beige 颜色: 米色	
		PBT UL94V-0	Color: White 颜色: 白色	
	Contact 插 针	Brass 黄铜 厚 φ 0.50mm	Tin Plating:2.5~5 μ m 镀锡: 2.5~5 μ m	
Wafer 弯针座	Plastic 塑 壳	PA46 UL94V-0	Color: Beige 颜色: 米色	
		PBT UL94V-0	Color: White 颜色: 白色	
	Contact 插 针	Brass 黄铜 厚 φ 0.50mm	Tin Plating:2.5~5 μ m 镀锡: 2.5~5 μ m	
Wafer 定位弯针座	Plastic 塑 壳	PA46 UL94V-0	Color: Beige 颜色: 米色	
	Contact 插 针	Brass 黄铜 厚 φ 0.50mm	Tin Plating:2.5~5 μ m 镀锡: 2.5~5 μ m	
Wafer 卧贴针座	Plastic 塑 壳	PA6T UL94V-0	Color: Beige 颜色: 米色	
	Contact 插 针	Brass 黄铜 厚 φ 0.50mm	Tin Plating:2.5~5 μ m 镀锡: 2.5~5 μ m	
	Solder tab 焊护耳	Phosphor bronze 锡青磷铜 厚 0.25mm	Tin Plating:3~5 μ m 镀锡: 3~5 μ m	
Wafer 立贴针座	Plastic 塑 壳	PA6T UL94V-0	Color: Beige 颜色: 米色	
	Contact 插 针	Brass 黄铜 厚 φ 0.50mm	Tin Plating:2.5~5 μ m 镀锡: 2.5~5 μ m	
	Solder tab 焊护耳	Phosphor bronze 锡青磷铜 厚 0.25mm	Tin Plating:3~5 μ m 镀锡: 3~5 μ m	

6、Electrical Performance

电 气 性 能

N0. 序号	Ltem 项 目	Test mode 试验方法	Requirement 技术要求
6.1	Current Rated 额定电流		1A AC DC
6.2	Voltage Rated 额定电压		100V AC DC

N0. 序号	Ltem 项 目	Test mode 试验方法	Requirement 技术要求
6.3	ContactResistance 接触电阻	A maximum voltage of 20mV and a maximum current of 100mA are applied to the Mate connector 组合状态下的连接器，两端施以最大测试电压 20 mV 以及最大测试电流 100 mA Does not include wire resistance 不包含电线阻抗	Initial value Less than 20m Ω 初始值$\leq$20 m Ω
6.4	withstandvoltage 耐电压	Apply 500V AC(rms)for 1 minute and the leakage current shall not exceed 0.5mA to the adjacent terminal and ground of the Mate connectors 组合状态下的连接器，相邻两导体末端各施以电压 500V AC(有效值)时间 1 分钟，且漏电流必须小于 0.5mA(毫安培)	No breakdownor flashover 无击穿或者产生火花
6.5	InsulationResistance 绝缘电阻	Apply 500V DC(rms)for 1 minute between adjacent contacts to measure the insulation resistance 相邻两接触导体，1 分钟时间内施予 500V DC 电压，测量期间的绝缘阻抗值	More than 500 M Ω $\geq$500M Ω

7、Mechanical Performance:

机 械 性 能

N0. 序号	Ltem 项 目	Test mode 试验方法	Requirement 技术要求
7.1	Terminal crimping wire strength 端子压接导线强度	Terminal crimping wires, axial per minute to 25 $\pm$ 3mm rate of the pullout force 端子所压接电线，以每分钟 25$\pm$3mm 速率之轴向拔出力	AWG#26 wire AWG#26 导线 More than 20N $\geq$20N
			AWG#28 wire AWG#28 导线 More than 13N $\geq$13N
			AWG#30 wire AWG#30 导线 More than 8N $\geq$8N
			AWG#32 wire AWG#32 导线 More than 6N $\geq$6N
7.2	Fixed terminals and hole seat 端子与孔座固定力	The terminal and the hole seat, at a rate per minute to 25 $\pm$ 3mm along the wire direction are pulled out from the hole in the seat capacity 端子与孔座配合，以每分钟 25$\pm$3mm 的速率沿导线方向将端子从孔座中拔出的力	Per contact 单一接触点 More than 10N $\geq$10N

N0. 序号	Ltem 项 目	Test mode 试验方法	Requirement 技术要求
7.3	Singlecontact insertion force 单接触插入力	The Housing together with the terminal ends with Wafer matched, at a rate per minute to $25 \pm 3\text{mm}$, inserting force test 孔座连同端子与针座两端互配,以每分钟 $25\pm 3\text{mm}$ 的速率,作插入力测试	Less than 6N $\leq 6\text{N}$
7.4	Single contact withdrawal force 单接触拔出力	The Housing together with the terminal ends with Wafer matched, at a rate per minute to $25 \pm 3\text{mm}$, as the pull-out test 孔座连同端子与针座两端互配,以每分钟 $25\pm 3\text{mm}$ 的速率,作拔出力测试	More than 0.6N $\geq 0.6\text{N}$
7.5	Pin Retention force PIN 针固定力	Exerts a force on the pin end, at a rate per minute $25 \pm 3\text{mm}$, until the needle exit seat pull-out force 在针脚前端施加力,以每分钟 $25\pm 3\text{mm}$ 的速率,直到针退出针座的拔出力	Per contact 单一接触点 More than 10N $\geq 10\text{N}$
7.6	Durability 耐久性	Mate connectors up 30 cycles at a Maximun rate of 10cycles per minute prior to environmental test 组合状态下的连接器且未经环境测试,每分钟内进行 10 次嵌入与拔出,连续 30 次嵌入与拔出往返测试	Contact Resistance $\leq 30 \text{ m}\Omega$ 接触电阻 $\leq 30 \text{ m}\Omega$
7.7	Vibration 振动	Connector combination state of the welding circuit board as test samples, the request in accordance with the following specifications, resistance to vibration test, whether to produce discontinuous current determined during the experiment (off) phenomenon, after the experiment measuring contact resistance 组合状态下的连接器焊接电路板上作为试验样品,依照如下规格要求,进行耐振动试验,试验过程中确定是否产生不连续电流(断电)现象,试验过后测量接触电阻值 Frequency(频率):10-55-10 Hz/minute Amplitude(振幅):1.5mm p-p Direction(方向): 1、Axis of up and down 上下轴向(Y 轴) 2、Axis of right the left 左右轴向(X 轴) 3、Axis of front and back 前后轴向(Z 轴) Period(周期):2 hous for each direction 每一个轴向持续 2 小时	Appearance: No damage 外观:无损伤 Contact Resistance $\leq 30 \text{ m}\Omega$ 接触电阻 $\leq 30 \text{ m}\Omega$ current Discontinuity: 1 micro second Max 电流中断: $1 \mu \text{ sec}$ Max

8、Endurance Characteristics:

环境性能

N0. 序号	Ltem 项 目	Test mode 试验方法	Requirement 技术要求
8.1	Thermal Aging 高温老化试验	Connector combination condition is placed in the oven, the request in accordance with the following specifications, high temperature aging test, after the test and measurement of contact resistance 组合状态下的连接器放置于加热烤箱中，依照如下规格要求，进行高温老化试验，试验后并测量接触电阻值 Temperature: 85 ± 2 °C Period: 96 hours continuously 温度: 85 ± 2 °C 周期: 持续 96 小时	Appearance: No damage 外观: 无损伤 Contact Resistance $\leq 30 \text{ m}\Omega$ 接触电阻 $\leq 30 \text{ m}\Omega$
8.2	Temperature 温升	Mate connector measure the temperature rise of contact when the maximum rated current is passed 组合状态下的连接器，通过最大容许电流测量导体温度上升值	30°C Max
8.3	Humidity 恒定潮湿	Connector combination under the condition of constant temperature and humidity place space, in accordance with the requirements of the following specifications, constant temperature and humidity test, after the experiment measuring contact resistance, insulation resistance and withstand voltage test 组合状态下的连接器放置恒定温度的湿气空间，依照如下规格要求，进行恒温恒湿试验，试验过后测量接触电阻、绝缘电阻以及耐电压测试 Temperature: 40 ± 2 °C Relative humidity: 90-95%RH Period: 96 hours continuously 温度: 40 ± 2 °C 相对湿度: 90-95% 周期: 持续 96 小时	Appearance: No damage 外观: 无损伤 Contact Resistance: $\leq 30 \text{ m}\Omega$ 接触电阻: $\leq 30 \text{ m}\Omega$ Insulation Resistance: $\geq 250 \text{ M}\Omega$ 绝缘电阻: $\geq 250 \text{ M}\Omega$ No breakdown or flashover 无击穿或者产生火花

N0. 序号	Ltem 项 目	Test mode 试验方法	Requirement 技术要求
8.4	Temperature cycling 温度循环	The combined state of connectors as test samples, in accordance with the requirements of the following specifications, thermal shock test, after the test measuring contact resistance, insulation resistance, and resistance to voltage 组合状态下的连接器作为试验样品，依照如下规格要求，进行冷热冲击试验，试验后测量接触电阻、绝缘电阻、以及耐电压测试 One cycle consists of: $-55\pm 3^{\circ}\text{C}$,30min,Room temp.10-15 min $85\pm 3^{\circ}\text{C}$,30min,Room temp.10-15 min Total cycle: 5 cycle $-55\pm 3^{\circ}\text{C}$,30 分钟，放置转换时间 10-15 分钟 $85\pm 3^{\circ}\text{C}$,30 分钟，放置转换时间 10-15 分钟 循环次数：5 次	Same as paragraph 8.3 同 8.3 章节
8.5	Salt spray 盐雾	The combined state of connector as test samples, salt spray test according to the following specifications, test samples will be clean again with the water to dry naturally, measurement of contact resistance 组合状态下的连接器作为试验样品，依照如下规格要求进行盐水喷雾试验，试验后将样品用清水冲干净自然凉干，测量接触电阻值 Temperature: $35\pm 3^{\circ}\text{C}$ Solution: $5\pm 1\%$ Period: Stamping after tin plated for 8 hours Stamping before tin plated for 48 hours 温度: $35\pm 3^{\circ}\text{C}$ 浓度: $5\pm 1\%$ 周期: 先电镀后冲压 8 小时 先冲压后电镀 24 小时	Appearance: No damage 外观: 无损伤 Contact Resistance: $\leq 30\text{m}\Omega$ 接触电阻: $\leq 30\text{ m}\Omega$

N0. 序号	Ltem 项 目	Test mode 试验方法	Requirement 技术要求
8.6	Solder ability 可焊性	In accordance with the following specifications were placed tin soldering test 放置锡炉中依照如下规格进行焊锡试验 Solder Temperature: $245 \pm 5^{\circ}\text{C}$ Immersion period: $3 \pm 0.5\text{S}$ 焊锡温度: $245 \pm 5^{\circ}\text{C}$ 沉浸周期: $3 \pm 0.5\text{S}$	Area of Soldering: $\geq 90\%$ 焊锡面积: $\geq 90\%$
8.7	Resistance to soldering heat 耐焊接热	anual soldering tin process Soldering time: $3 \pm 0.5\text{S}$ Soldering pot: $350 \pm 5^{\circ}\text{C}$ 手工烙铁焊锡工艺 焊接时间: $3 \pm 0.5\text{S}$ 焊接温度: $350 \pm 5^{\circ}\text{C}$ Mode of operation: 操作方式: Position DIP type needle solder, conductor or a fixed piece at the end of the 1.5mm distance DIP 型针座焊锡位置, 距离导体或固定片末端 1.5mm Position SMT type needle solder, conductor or a fixed piece at the end of the 0.5mm distance SMT 型针座焊锡位置, 距离导体或固定片末端 0.5mm Wave soldering tin soldering process Soldering time: $5 \pm 0.5\text{S}$ Soldering pot: $230 \pm 5^{\circ}\text{C}$ 波峰焊焊锡工艺 焊接时间: $5 \pm 0.5\text{S}$ 焊接温度: $230 \pm 5^{\circ}\text{C}$ Reflow soldering process Soldering time: 20 S Max Soldering pot: $255 \pm 5^{\circ}\text{C}$ 回流焊焊锡工艺 焊接时间: 20S 最大 焊接温度: $255 \pm 5^{\circ}\text{C}$ Please refer to the 9.1 solder reflow temperature curve 回流焊请参考 9.1 温度曲线图	Appearance: No damage 外观: 无损伤

10、Packaging Transportation Storage

包装、运输、贮存

10.1 Packaging

包装

- (1) **Terminal within the packaging for disc loading material packaging, plastic shell packaging for plastic bags, packaging bags, seat plates, tubes, mounted (paste) into the certificate, indicate the product name, specifications, quantity production date and other information**

端子内包装为盘装带料包装、胶壳内包装为塑料袋，针座包装为盘装、袋装，装（贴）入合格证，注明产品名称、规格型号、数量生产日期等信息

- (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

10.2 Transportation

运输

Any vehicle can be adopted for the transportation, but moisture-proof and no mechanical damage, transport temperature to $-20^{\circ}\text{C} \sim +50^{\circ}\text{C}$

允许用任何方式运输，但需避免雨雪直淋和阳光照射，不能有碰撞和挤压等机械损伤，运输环境温度为 $-20^{\circ}\text{C} \sim +50^{\circ}\text{C}$

10.3 Storage

贮存

- (1) **The connector of packing finished should be in the ambient temperature between -10°C to $+40^{\circ}\text{C}$, Relative humidity $\leq 80\%$. 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 $-20^{\circ}\text{C} \sim +40^{\circ}\text{C}$ ，相对湿度 $\leq 80\%$ ，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

- (2) **Re-qualification test shall be conducted immediately while the storing duration exceed 6 months**

贮存期为 6 个月，超期 6 个月需从新检查

9、The reflow temperature curve

回流焊温度曲线

9.1 SMT lead-free process temperature curve

SMT 无铅工艺温度曲线

