



浙江联和电子有限公司  
ZHEJIANG LIANHE ELECTRONICS CO., LTD.

## 承 认 书

SPECIFICATION FOR APPROVAL

客户名称 CUSTOMER: \_\_\_\_\_

品名 DESCRIPTION: \_\_\_\_\_ TJC1端子连接器

料号 CUSERTOMER PART NO: \_\_\_\_\_ A10001

### 客户确认 APPROVED SIGNATURES

核准 APPROVAL: \_\_\_\_\_

日期 DATE: \_\_\_\_\_

工程 ENGINEERING: \_\_\_\_\_

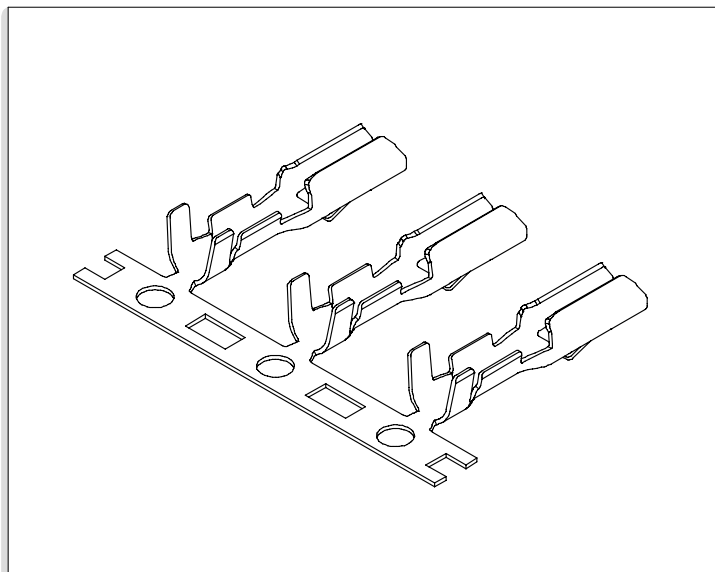
日期 DATE: \_\_\_\_\_

品管 QC: \_\_\_\_\_

日期 DATE: \_\_\_\_\_

承认结果: ☐ 承认 ☐ 不承认

☐ 重新送样



### 规格 Specifications

1. 极数 Poles: /
2. 额定电流 Current rating: 7.0A AC,DC
3. 额定电压 Voltage rating: 250V AC,DC
4. 温度范围 Temperature range: -25°C to +85°C  
(含通电温度上升值)  
(Including temperature rise in applying electrical current)
5. 接触电阻 Contact resistance: 初期 Initial value /  $\leq 10\text{m}\Omega$   
环境测试后 After environmental testing /  $\leq 20\text{m}\Omega$
6. 绝缘电阻 Insulation resistance:  $\geq 1000\text{M}\Omega$
7. 耐电压 Withstanding voltage: 1500V AC/minute
8. 适用线规 Applicable wire: AWG #24 to #18
9. 适用基板厚度 Applicable PC board thickness: 1.6mm



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制订 Edit: 王夫日期 DATE: 2024-04-13审核 Check: 天琴日期 DATE: 2024-04-13批准 Approval: 季育文日期 DATE: 2024-04-13

# TJC1型料号说明 Description of item number



## 端子料号说明 TERMINAL

A 10001 N - T 2 2 A 30 5 P 2 (\*) Y - 1 - \* (\*) \*

A: Wire to Board Connectors  
B: Board-in Connectors  
C: Wire to Wire Connectors  
F: FFC/FPC Connectors  
I: IDC  
D: Chain Terminals and Splices

系列号 Series Number

K=直形带锁 N=直形  
Z=旗形带锁 Q=旗形  
X=横插带锁 H=横插  
Y=叉形端子 J=插片  
R=环形端子 C=圆形  
G=接线端子  
W=鲨鱼齿端子  
特征类别(默认空) B=子弹形端子  
Feature Category: U=耳扒形端子

产品类别 Product Category: T=端子 Terminal

同类别多型号序号(默认空)  
Same Series Different Type: 1-9

同型号多尺寸序号(默认空)  
Same Type Different size: 1-9

适用线规(默认空) A=小脚 B=中脚  
Applicable Wire: C=高脚 D=大脚

料带厚度单位: mm X100 (0.3X100=30 默认空)

配合厚度单位: mm X10 (0.5X10=5 默认空)  
注: 所有<灰色>说明, 为D系列分类附加料号及说明!

Z=紫铜 Copper  
S=不锈钢 Stainless Steel  
P=磷青铜 Phos.Bronze  
材质 Material: B=黄铜 Brass

0=素材酸洗 None  
1=镀镍 Nickel Plating  
2=镀亮锡 Tin Plating  
3=镀镍光锡 Matt Tin-Nickel Plating  
4=镀铅锡 Tin-Lead Plating  
5=镀铜锡 Tin-Cu Plating  
6=镀镍银 Silver-Nickel Plating  
7=镀镍金 Gold-Nickel Plating  
8=镀镍局部金 Nickel-Gold  
9=镀亮锡局部金 Half Gold-Tin Plating  
表面处理  
Surface processing: 10=镀镍亮锡 Tin-Nickel Plating

镀层厚度(默认为空)

包装说明: Y=有字、N=无字

包装方式: 0=散装(袋装)、1=盘装、4=八角盘装、5=编带装 (常规默认为空)

包装数量: -\*\*K: 客户定制数量,默认数量为空

客户专用代码  
Customer Special Code: 表示和常规件不同,用来代表某个客户

其他说明: 如(U)=UL、软、低铅等

备注:表面处理内容只在产品标签中体现! 其他特殊要求位置不固定

## 其它料号说明 OTHER

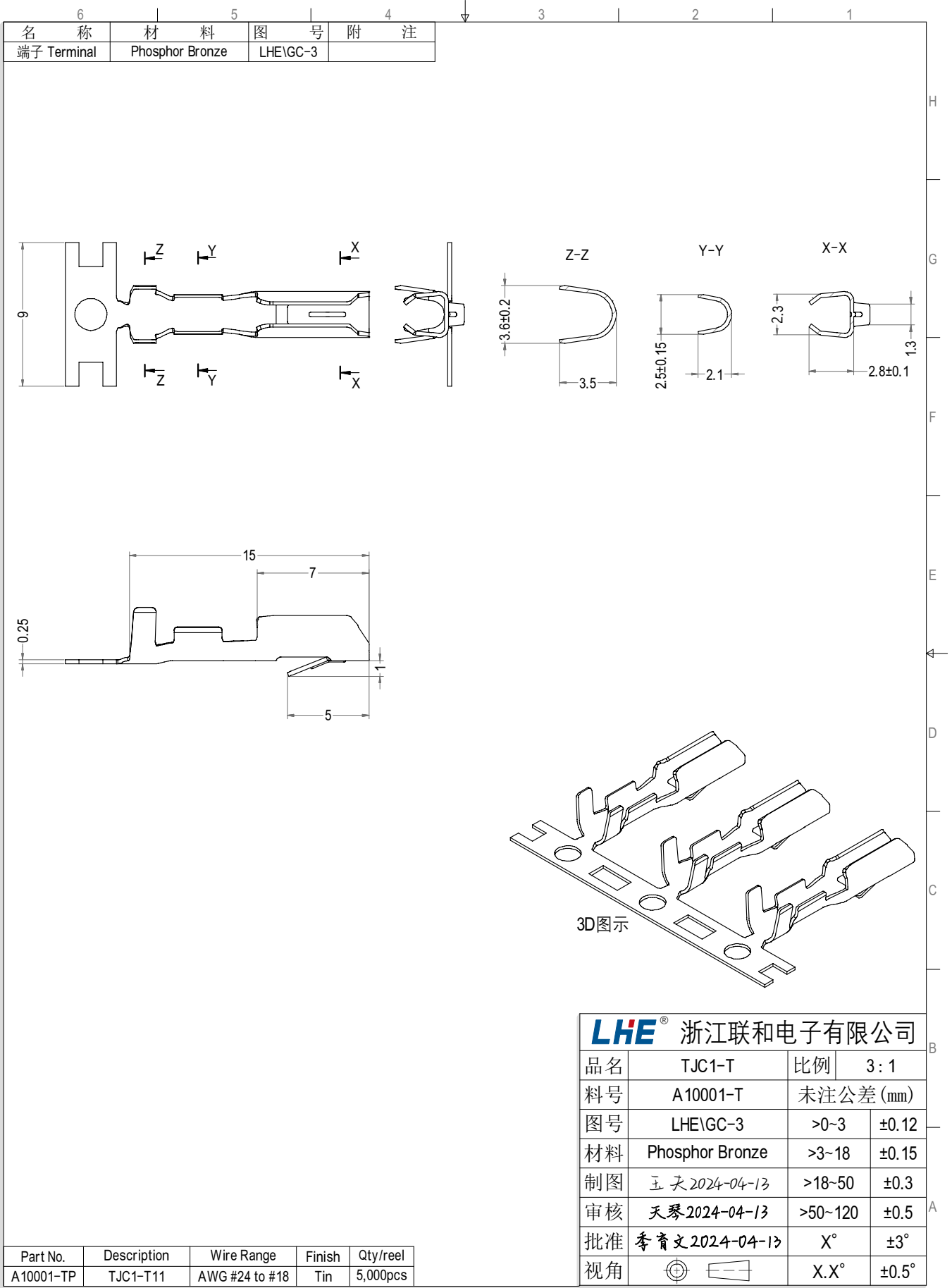
P 0001 - B

P: Other Types

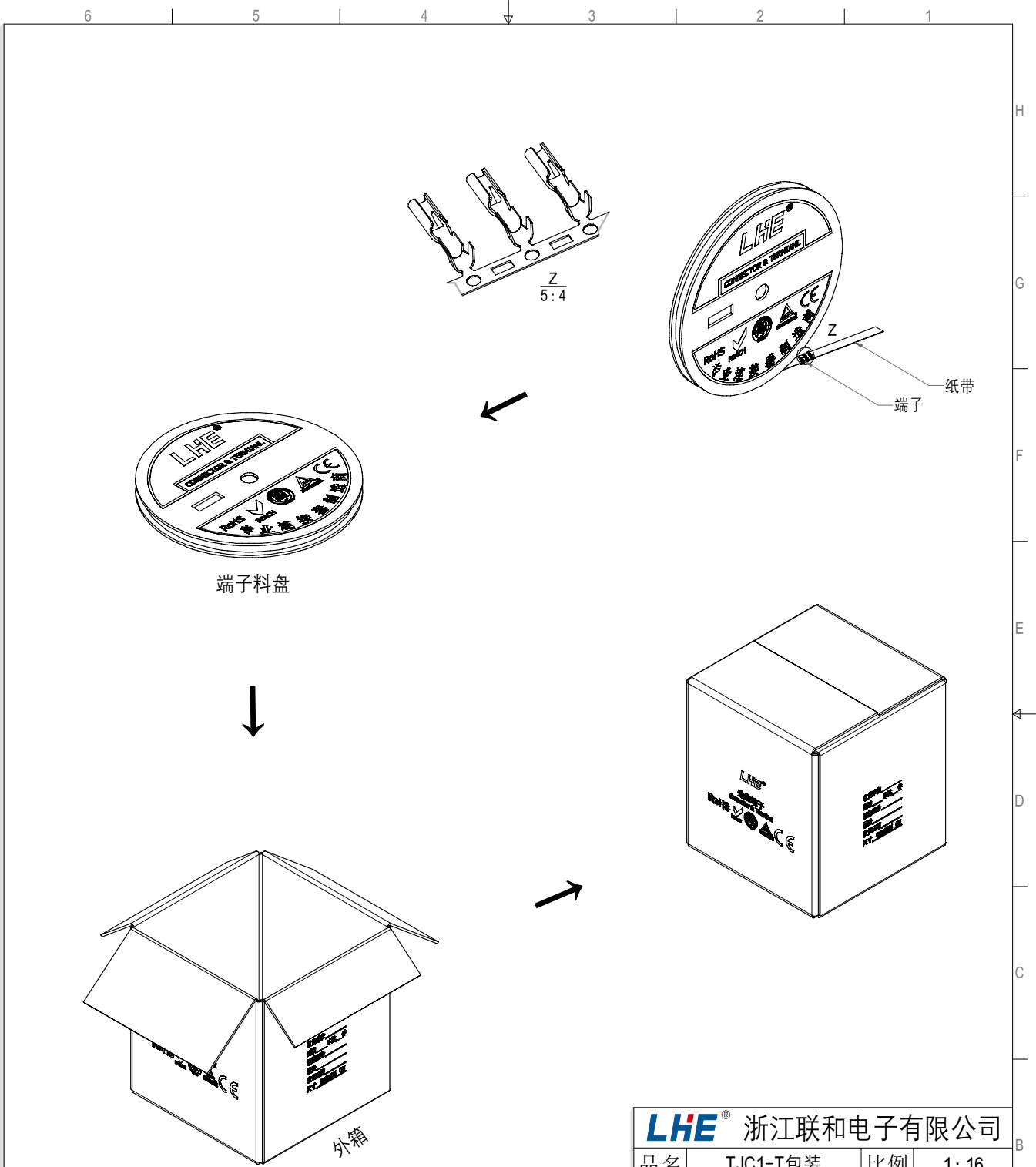
产品序号 Product Number

同型号序号 Same Series Different Type: B-Z  
(默认空)

TJC1型端子承认书图面



TJC1型端子承认书图面



注释:

1. 产品尺寸请参照TJC1-T图纸.
2. 此示意图为产品出料方式进行说明.
3. 胶带、PE袋未在图纸中体现,请以实物为准.

| Part No. | Description | Qty/reel | Reel/caton |
|----------|-------------|----------|------------|
| A10001-T | TJC1-T      | 5000pcs  | 18/Reel    |

LHE® 浙江联和电子有限公司

|    |                |           |       |
|----|----------------|-----------|-------|
| 品名 | TJC1-T包装       | 比例        | 1: 16 |
| 料号 | A10001-T包装     | 未注公差 (mm) |       |
| 图号 | LHE\GC-4       | >0~3      | ±0.12 |
| 材料 | /              | >3~18     | ±0.15 |
| 制图 | 王天 2024-04-13  | >18~50    | ±0.3  |
| 审核 | 天琴 2024-04-13  | >50~120   | ±0.5  |
| 批准 | 李育文 2024-04-13 | X°        | ±3°   |
| 视角 |                | X.X°      | ±0.5° |

# ECBT2.E364711 - Connectors for Use in Data, Signal, Control and Power Applications - Component

## Connectors for Use in Data, Signal, Control and Power Applications - Component

See General Information for Connectors for Use in Data, Signal, Control and Power Applications - Component

**ZHEJIANG LIANHE ELECTRONIC CO LTD**

E364711

Chuangxin Road, YueQing Bay Port Zone

Yueqing, Zhejiang 325600 CHINA

**Connector**, Model(s) 1.58-LHE f/b 2 , f/b 1 thru 12, f/b A2 or AW, 1.58-LHE f/b 2 thru 6, f/b A2 or AW**Connector**, Model(s) 1.58-LHE followed by 2, followed by 1 thru 12, followed by A(T).**Connector**, Model(s) 1.58-LHE, f/b 2 thru 6, f/b A(T), 1.58-LHE, f/b 2 thru 6, f/b Y(T), 1.58-LHE, f/b 2, f/b 1 thru 12, f/b Y(T), 2510-LHE f/b 2, f/b 1 thru 12, f/b A2 or AW, 2510-LHE f/b 2 thru 6, f/b A2 or AW**Connector**, Model(s) 2510-LHE followed by 2, followed by 1 thru 12, followed by A(T)**Connector**, Model(s) 2510-LHE, f/b 2 thru 6, f/b A(T), 2510-LHE, f/b 2 thru 6, f/b Y(T), 2510-LHE, f/b 2, f/b 1 thru 12, f/b Y(T), 5.08-LHE f/b 2, f/b 1 thru 12, f/b A2 or AW, 5.08-LHE f/b 2 thru 6, f/b A2 or AW**Connector**, Model(s) 5.08-LHE followed by 2, followed by 1 thru 12, followed by A(T)**Connector**, Model(s) 5.08-LHE, f/b 2 thru 6, f/b A(T), 5.08-LHE, f/b 2 thru 6, f/b Y(T), 5.08-LHE, f/b 2, f/b 1 thru 12, f/b Y(T), 51005-LHE f/b 2, f/b 1 thru 12, f/b A2 or AW, 51005-LHE f/b 2 thru 6, f/b A2 or AW**Connector**, Model(s) 51005-LHE followed by 2, followed by 1 thru 12, followed by A(T)**Connector**, Model(s) 51005-LHE, f/b 2 thru 6, f/b A(T), 51005-LHE, f/b 2 thru 6, f/b Y(T), 51005-LHE, f/b 2, f/b 1 thru 12, f/b Y(T), 51006-LHE f/b 2, f/b 1 thru 12, f/b A2 or AW, 51006-LHE f/b 2 thru 6, f/b A2 or AW**Connector**, Model(s) 51006-LHE followed by 2, followed by 1 thru 12, followed by A(T)**Connector**, Model(s) 51006-LHE, f/b 2 thru 6, f/b A(T), 51006-LHE, f/b 2 thru 6, f/b Y(T), 51006-LHE, f/b 2, f/b 1 thru 12, f/b Y(T), 5102-LHE f/b 2, f/b 1 thru 12, f/b A2 or AW, 5102-LHE f/b 2 thru 6, f/b A2 or AW**Connector**, Model(s) 5102-LHE followed by 2, followed by 1 thru 12, followed by A(T)**Connector**, Model(s) 5102-LHE, f/b 2 thru 6, f/b A(T), 5102-LHE, f/b 2 thru 6, f/b Y(T), 5102-LHE, f/b 2, f/b 1 thru 12, f/b Y(T), 5240-LHE f/b 2, f/b 1 thru 12, f/b A2 or AW, 5240-LHE f/b 2 thru 6, f/b A2 or AW**Connector**, Model(s) 5240-LHE followed by 2, followed by 1 thru 12, followed by A(T)**Connector**, Model(s) 5240-LHE, f/b 2 thru 6, f/b A(T), 5240-LHE, f/b 2 thru 6, f/b Y(T), 5240-LHE, f/b 2, f/b 1 thru 12, f/b Y(T), 5500-LHE f/b 2, f/b 1 thru 12, f/b A2 or AW, 5500-LHE f/b 2 thru 6, f/b A2 or AW**Connector**, Model(s) 5500-LHE followed by 2, followed by 1 thru 12, followed by A(T)**Connector**, Model(s) 5500-LHE, f/b 2 thru 6, f/b A(T), 5500-LHE, f/b 2 thru 6, f/b Y(T), 5500-LHE, f/b 2, f/b 1 thru 12, f/b Y(T), 5557 followed by 2 thru 6, followed by A(T), 5557 followed by 2 thru 6, followed by A2 or AW, 5557 followed by 2 thru 6, followed by Y(T)**Connector**, Model(s) 5557 followed by 2, followed by 1 thru 12, followed by A(T).

**Connector**, Model(s) 5557 followed by 2, followed by 1 thru 12, followed by A2 or AW

**Connector**, Model(s) 5557 followed by 2, followed by 1 thru 12, followed by Y(T)

**Connector**, Model(s) 5559-LHE f/b 2 , f/b 1 thru 12, f/b A2 or AW, 5559-LHE f/b 2 thru 6, f/b A2 or AW

**Connector**, Model(s) 5559-LHE followed by 2, followed by 1 thru 12, followed by A(T).

**Connector**, Model(s) 5559-LHE, f/b 2 thru 6, f/b A(T), 5559-LHE, f/b 2 thru 6, f/b Y(T), 5559-LHE, f/b 2, f/b 1 thru 12 , f/b Y(T), 5566-LHE f/b 2 , f/b 1 thru 12, f/b A2 or AW, 5566-LHE f/b 2 thru 6, f/b A2 or AW

**Connector**, Model(s) 5566-LHE followed by 2, followed by 1 thru 12, followed by A(T)

**Connector**, Model(s) 5566-LHE, f/b 2 thru 6, f/b A(T), 5566-LHE, f/b 2 thru 6, f/b Y(T), 5566-LHE, f/b 2, f/b 1 thru 12 , f/b Y(T), 5569-LHE f/b 2 , f/b 1 thru 12, f/b A2 or AW, 5569-LHE f/b 2 thru 6, f/b A2 or AW

**Connector**, Model(s) 5569-LHE followed by 2, followed by 1 thru 12, followed by A(T)

**Connector**, Model(s) 5569-LHE, f/b 2 thru 6, f/b A(T), 5569-LHE, f/b 2 thru 6, f/b Y(T), 5569-LHE, f/b 2, f/b 1 thru 12 , f/b Y(T), 5600-LHE f/b 2 , f/b 1 thru 12, f/b A2 or AW, 5600-LHE f/b 2 thru 6, f/b A2 or AW

**Connector**, Model(s) 5600-LHE followed by 2, followed by 1 thru 12, followed by A(T)

**Connector**, Model(s) 5600-LHE, f/b 2 thru 6, f/b A(T), 5600-LHE, f/b 2 thru 6, f/b Y(T), 5600-LHE, f/b 2, f/b 1 thru 12 , f/b Y(T), 63080-LHE f/b 2 , f/b 1 thru 12, f/b A2 or AW, 63080-LHE f/b 2 thru 6, f/b A2 or AW

**Connector**, Model(s) 63080-LHE followed by 2, followed by 1 thru 12, followed by A(T)

**Connector**, Model(s) 63080-LHE, f/b 2 thru 6, f/b A(T), 63080-LHE, f/b 2 thru 6, f/b Y(T), 63080-LHE, f/b 2, f/b 1 thru 12 , f/b Y(T), B2502 followed by 2 thru 16, followed by Y(T), BH3.5-2A(T), BH3.5-2Y(T), MX3.0 followed by 2 thru 12, followed by A(T), MX3.0 followed by 2 thru 12, followed by A2 or AW, MX3.0 followed by 2 thru 12, followed by Y(T)

**Connector**, Model(s) MX3.0 followed by 2, followed by 1 thru 12, followed by A(T).

**Connector**, Model(s) MX3.0 followed by 2, followed by 1 thru 12, followed by A2 or AW

**Connector**, Model(s) MX3.0 followed by 2, followed by 1 thru 12, followed by Y(T)

**Connector**, Model(s) PA-LHE f/b 2, f/b 1 thru 12, f/b Y(T), PA-LHE followed by 2 thru 12, followed by A(T)

**Connector**, Model(s) PA-LHE followed by 2 thru 12, followed by A2 or AW

**Connector**, Model(s) PA-LHE followed by 2 thru 12, followed by Y(T)

**Connector**, Model(s) PA-LHE followed by 2, followed by 1 thru 12, followed by A(T)

**Connector**, Model(s) PA-LHE followed by 2, followed by 1 thru 12, followed by A2 or AW

**Connector**, Model(s) PH, PHB, XHB, JC25, SCN followed by -2 thru -20, followed by Y(T), A, AW or AWD

**Connector**, Model(s) PHB followed by 2 thru 16, followed by Y(T). followed by 2 thru 16, followed by AWD, A, AW

**Connector**, Model(s) Series 1.25, 1254, 1255 followed by -2 thru -25, followed by Y(T), A or AW

**Connector**, Model(s) Series 5264 followed by -2 thru -16, followed by Y(T), A or AWD

**Connector**, Model(s) SM followed by -2 thru -18, followed by Y(T) or A(T)

**Connector**, Model(s) VH, 3.96 followed by -2 thru -16, followed by Y(T), A, AW or AWG

**Connector**, Model(s) XA-LHE f/b 2, f/b 1 thru 12, f/b Y(T), XA-LHE followed by 2 thru 12, followed by A(T)

**Connector**, Model(s) XA-LHE followed by 2 thru 12, followed by A2 or AW

**Connector**, Model(s) XA-LHE followed by 2 thru 12, followed by Y(T)

**Connector**, Model(s) XA-LHE followed by 2, followed by 1 thru 12, followed by A(T)

**Connector**, Model(s) XA-LHE followed by 2, followed by 1 thru 12, followed by A2 or AW

**Connector**, Model(s) XH followed by -2 thru -20, followed by Y(T), A, AW, AWGD, AWD or AWGDJ

**Connector**, Model(s) ZH followed by 2 thru 16, followed by AWD or A, ZH followed by 2 thru 16, followed by Y(T).

Model(s) 1.25, followed by -2 thru -16, followed by AB or AWB

Model(s) 51146 or FI-S, followed by -2 thru -16, followed by AB or AWB

Model(s) A5001, followed by -2 thru -7, followed by Y, Y(T), AD or AWD

Model(s) B2501-LHE, A2004-LHE, A4203-LHE, PHR-LHE, PHD-LHE, CH2.5-LHE, DF11-LHE, PHSD-LHE, A5001-LHE, 35155-LHE, 35156-LHE, 5195-LHE, 5196-LHE, followed by 2 thru 16, followed by Y(T)

Model(s) BHS-LHE, SMH250-LHE, SMH200-LHE, L6.2-LHE, 1806-LHE, 2060-LHE, 2541-LHE, JC15-LHE, XHD-LHE, followed by -2, followed by A(T), or Y(T)

Model(s) JWPFL-LHE, B2541-LHE, NV-LHE, DV-LHE, SGN-LHE, SJN-LHE, SDN-LHE, SIN-LHE, 35150-LHE, 35151-LHE, 35180-LHE, 35182-LHE, 35524-LHE, 35965-LHE, RCY-LHE, LC-LHE, VR-LHE, SHJ-LHE, SHL-LHE, DF19-LHE, ACH-LHE, DF13-LHE, IL-Z-LHE, 51146-LHE, SATA-LHE, XSR-LHE, SUR-LHE, SUH-LHE, ZE-LHE, ZND-LHE, ZPD-LHE, A1502-LHE, SFH-LHE, 51004-LHE, PUD-LHE, A20010-LHE, 35507-LHE, DF3-LHE, PND-LHE, RE-LHE, RA-LHE, RF-LHE or A3963, followed by -2 thru -15, followed by Y(T), YB(T) or YC(T), A, A-K, AW, AW-K, AD, AD-K, AWGD, AWGD-K, AQ, AQ-K, AWQ, AWQ-K, AD(BH) or AD(BH)-K.

Model(s) PH, followed by -2 thru -16, followed by AB or AWB

Model(s) PHB, SZN-LHE, SAN-LHE, JC20-LHE, EH-LHE, EI-LHE, EL-LHE, S-EL-LHE, followed by 2 thru 16, followed by AWD, A, AW

Model(s) PHB, SZN-LHE, SAN-LHE, JC20-LHE, EH-LHE, EI-LHE, EL-LHE, S-EL-LHE, followed by 2 thru 16, followed by Y(T)

Model(s) PHB, XH, XHB or XHBD, followed by -2 thru -16, followed by AB or AWB.

Model(s) RAST 5-LHE TAB HEADER ASSY, TH, Vertical, Cat. Nos. 1969738-LHE, 1969740-LHE, 1971845-LHE, 1971846-LHE, 1971895-LHE, 1971896-LHE, 1971946-LHE thru 1971949-LHE, 1971954-LHE thru 1971957-LHE, 2232008-LHE thru 2232011-LHE, 2232000-LHE thru 2232003-LHE, 2232016-LHE thru 2232019-LHE, 1971962-LHE thru 1971965-LHE, 2232024-LHE thru 2232027-LHE, 2232289-LHE thru 2232292-LHE, 2232043-LHE thru 2232074-LHE, 2232298-LHE thru 2232301-LHE, 2232511-LHE, 2232532-LHE, 2232557-LHE, 2232559-LHE, 2232560-LHE, 2232562-LHE, 2232563-LHE, 2232565-LHE, 2232566-LHE, 2232568-LHE, 2232569-LHE, 2232571-LHE, 2232572-LHE, 2232574-LHE, 2232575-LHE, 2232577-LHE, 2232578-LHE, 2232580-LHE, 2232581-LHE, 2232583-LHE, 2232584-LHE, 2232586-LHE, 2232587-LHE, 2232589-LHE, 2232590-LHE, 2232592-LHE, 2232593-LHE, 2232595-LHE, 2232596-LHE, 2232598-LHE, 2232599-LHE, 2232601-LHE, 2232602-LHE, 2232604-LHE, 2232605-LHE, 2232607-LHE, 2232608-LHE, 2232611-LHE thru 2232682-LHE, 2292457-LHE, 2292458-LHE, may incorporate prefix and/or suffix number.), followed by -2 thru -7, followed by Y, Y(T), AD or AWD.

Model(s) SY, followed by -2, followed by Y, Y(T), A or A(T)

Model(s) SYP, SYR, BH4.0-LHE, A10001-LHE, A7501-LHE, A8001-LHE, C2541-LHE, C2542-LHE, D250R-LHE, D280K-LHE, D300R-LHE, D350R-LHE, D400B-LHE, D430R-LHE, D470G-LHE, D480J-LHE, D480K-LHE, D480N-LHE, D480Q-LHE, D520H-LHE, D520K-LHE, D520Q-LHE, D620G-LHE, D630J-LHE, D630N-LHE, D630Q-LHE, D700G-LHE, F001-LHE, F002-LHE, HIF3-LHE, MC100-LHE, MC100-LHE, ME020-LHE, ME010-LHE, F2541-LHE, D2301-LHE, 1719057-LHE, 1719059-1-LHE, P0011-LHE, P0012-LHE, P0013-LHE, C6001-LHE, D2201-LHE, D2202-LHE or P0001-LHE, followed by -2, followed by Y, Y(T), A or A(T).

Model(s) VL-LHE, YL-LHE, SL-LHE, FL-LHE, YHD200-LHE, HA-LHE, LGC-LHE, JR-LHE, SP-LHE, 5025-LHE, followed by 2, followed by 1 thru 12, followed by A(T), Y(T), A2 or AW

Model(s) VL-LHE, YL-LHE, SL-LHE, FL-LHE, YHD200-LHE, HA-LHE, LGC-LHE, JR-LHE, SP-LHE, 5025-LHE, followed by 2 thru 12, followed by A(T), Y(T), A2 or AW

Model(s) XHD, XHE or XHQ, followed by -2 thru -15, followed by Y(T), YB(T) or YC(T), A, A-K, AW, AW-K, AD, AD-K, AWGD, AWGD-K, AQ, AQ-K, AWQ, AWQ-K, AD(BH) or AD(BH)-K.

Model(s) ZH, followed by -2 thru -16, followed by AB or AWB

Model(s) ZHR-LHE, SH-LHE, GH-LHE, NH-LHE, C1251-LHE, DF14-LHE, 5501-LHE, 75416-LHE, 543-LHE, followed by 2 thru 16, followed by AWD or A

Model(s) ZHR-LHE, SH-LHE, GH-LHE, NH-LHE, C1251-LHE, DF14-LHE, 5501-LHE, 75416-LHE, 543-LHE, followed by 2 thru 16, followed by Y(T)

Marking: Company name or trademark  , model designation and the Recognized Component Mark,  on the device or carton.

Last Updated on 2020-02-20

并不是所有出现在本数据库中的公司名称和产品都满足了UL 跟踪检验服务的要求。只有带有 UL 标志的产品，才应该被视为经过 UL 认证，并满足UL 跟踪检验服务的要求。注意查看产品上的标志。

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## 产品认证证书

证书编号: CQC17134174484

发证日期: 2021年01月20日

有效期至: 2025年08月31日

委托人名称 浙江联和电子有限公司  
及注册地址 浙江省乐清市乐清湾港区乐商创业园

制造商名称 浙江联和电子有限公司  
及注册地址 浙江省乐清市乐清湾港区乐商创业园

生产企业名称 浙江联和电子有限公司  
及生产地址 浙江省乐清市乐清湾港区创新路8号

产品名称和系列、规格、型号 连接器聚酰胺 66(PA66)  
型号见附件, 材料名称: 聚酰胺(PA66), 材料牌号: A3RV0, 全色, 球压: 200°C, 灼热丝可燃性指数(GWFI): 960/0.3, 灼热丝起燃温度(GWIT): 960/0.3, 燃烧等级: V-0@0.3mm, CTI600, 红外光谱, 差示扫描量热和热重分析见报告 00601-2020134003037

产品标准和技术要求 GB/T 5169.21-2017, GB/T 5169.12-2013, GB/T 5169.13-2013, GB/T 5169.16-2017, GB/T 4207-2012, GB/T 6040-2019, GB/T 19466.1-2004, GB/T 19466.2-2004, GB/T 19466.3-2004, ISO 11358-1:2014

认证模式 产品检测+获证后监督

上述产品符合 CQC13-036047-2009 认证规则的要求, 特发此证。  
证书有效期内本证书的有效性依据发证机构的定期监督获得保持。

可通过扫描下方二维码或登录国家认监委网站 ( www.cnca.gov.cn ) 查验证书信息



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电话: +86 10 83886666

C 0453132

Verification No.: CLZJ1411264692



## VERIFICATION OF LVD COMPLIANCE

Applicant: Zhejiang Lianhe Electrical Co., Ltd.  
 Manufacturer: Houyu village, Shifan town, Yueqing city, Zhejiang province, China.  
 Product Description: Same as applicant  
 Model No: Connector Terminal  
 A1001, A1002, A1003, A1251, A1252, A1253, A1254, A1255,  
 A1256, A1257, A1501, A1502, A1503, A2001, A2002, A2003,  
 A2004, A2005, A2006, A2007, A2501, A2502, A2503, A2504,  
 A2505, A2506, A2507, A2541, A2542, A2543, A2544,  
 A2545, A3961, A3962, A3963, A3564, A5081, A5082, B1501,  
 B1502, B2001, B2002, B2501, B2502, C01581, C01582, C1251,  
 C2001, C2002, C2501, C2502, C2505, C2506, C3001, C3002,  
 C3003, C3004, C3005, C3006, C3501, C3502, C3701, C3702,  
 C4001, C4002, C4141, C4142, C4201, C4202, C4203, C4204,  
 C4601, C4602, C4501, C4502, C4503, C4504, C5001, C5002,  
 C5031, C5032, C6201, C6202, C6351, C6352, C6701, C6702,  
 D2801, D2802, D2803, D4801, D4802, D4803, D4804, D6301,  
 D6302, D6303

Sufficient samples of the product have been tested and found to be in conformity with

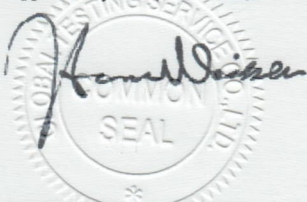
Test Standard: EN 60320-1:2001/A1:2007  
 EN 60529:1991/A1:2000

As shown in the  
 Test Report Number(s): TLZJ1411264692  
 Date of issue: November 27, 2014

### Conclusion

This Verification of LVD Compliance has been granted to the applicant based on the results of tests, performed by laboratory of Global Testing Services Co., Ltd on sample of the above-mentioned product in accordance with the provisions of the relevant specific standards and the Low Voltage Directive 2014/35/EU. The CE marking as shown below can be affixed, under the responsibility of the manufacturer, after completion of an EC Declaration of Conformity and compliance with all relevant EC Directives. The affixing of the CE marking presumes in addition that conditions the conditions in annexes III and IV of the Directive are fulfilled.

Approved by: Hermann Weiher



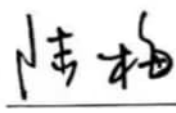
Global Testing Services Co., Ltd  
 E-mail: info@gts-lab.com http://www.gts-lab.com  
 Room 1501-1502, No. 520 Yishan Rd., Xuhui District, Shanghai, 200235 China



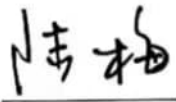
For and on behalf of  
 Global Testing Services Co., Ltd



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|  <b>PRODUCT CERTIFICATION</b>                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CERTIFICATE NO.:</b> CQC17134174484                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Valid from:</b> Jan.20,2021                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Valid until:</b> Aug.31,2025                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                     |
| <b>NAME AND REGISTERED ADDRESS OF THE APPLICANT</b>                                                                                                                                                                                                                                          | Zhejiang Lianhe Electronics Co., Ltd.<br>Yueshang Pioneer Park,Yueqingwan Area, Yueqing City, Zhejiang Province                                                                                                                                                                                                                                                     |
| <b>NAME AND REGISTERED ADDRESS OF THE MANUFACTURER</b>                                                                                                                                                                                                                                       | Zhejiang Lianhe Electronics Co., Ltd.<br>Yueshang Pioneer Park,Yueqingwan Area, Yueqing City, Zhejiang Province                                                                                                                                                                                                                                                     |
| <b>NAME AND LOCATION OF THE FACTORY</b>                                                                                                                                                                                                                                                      | Zhejiang Lianhe Electronics Co., Ltd.<br>No. 8, Chuangxin Road, Yueqing Bay Port District, Yueqing City, Zhejiang Province                                                                                                                                                                                                                                          |
| <b>PRODUCT NAME, MODEL AND SPECIFICATION</b>                                                                                                                                                                                                                                                 | Connector ( PA66 )<br>See Annex , Material name: PA66, material grade: A3RV0, All color, Ball pressure:200°C, Glow-Wire Flammability Index(GWFI): 960/0.3, Glow-Wire Ignition Temperature(GWIT):960/0.3, Flammability:V-0@0.3mm, CTI600 , Infrared Analysis,Differential Scanning Calorimetry(DSC), Thermogravimetry (TG) to see report Ref.No: 00601-2020134003037 |
| <b>THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS</b>                                                                                                                                                                                                                             | GB/T 5169.21-2017, GB/T 5169.12-2013, GB/T 5169.13-2013, GB/T 5169.16-2017, GB/T 4207-2012, GB/T 6040-2019, GB/T 19466.1-2004, GB/T 19466.2-2004, GB/T 19466.3-2004, ISO 11358-1:2014                                                                                                                                                                               |
| <b>TYPE OF CERTIFICATION SCHEMES</b>                                                                                                                                                                                                                                                         | Product Testing + Follow up Factory Inspection                                                                                                                                                                                                                                                                                                                      |
| This is to certify that the above mentioned product(s) complies with the requirements of certification rules of CQC13-036047-2009.<br>The validity of the certificate is subject to positive result of the regular follow up inspection by issuing certification body until the expiry date. |                                                                                                                                                                                                                                                                                                                                                                     |
| The certificate information is available through the QR code below or CNCA's website: <a href="http://www.cnca.gov.cn">www.cnca.gov.cn</a>                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                     |
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| <a href="http://www.cqc.com.cn">http://www.cqc.com.cn</a>                                                                                                                                                                                                                                    | Section 9, No.188, Nansihuan Xilu, Beijing 100070 P.R.China                                                                                                                                                                                                                                                                                                         |
| Tel: +86 10 83886666                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                     |

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|  <b>PRODUCT CERTIFICATION</b>                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CERTIFICATE NO.:</b> CQC17134174484                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Valid from:</b> Jan.20,2021                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Valid until:</b> Aug.31,2025                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                     |
| <b>NAME AND REGISTERED ADDRESS OF THE APPLICANT</b>                                                                                                                                                                                                                                          | Zhejiang Lianhe Electronics Co., Ltd.<br>Yueshang Pioneer Park,Yueqingwan Area, Yueqing City, Zhejiang Province                                                                                                                                                                                                                                                     |
| <b>NAME AND REGISTERED ADDRESS OF THE MANUFACTURER</b>                                                                                                                                                                                                                                       | Zhejiang Lianhe Electronics Co., Ltd.<br>Yueshang Pioneer Park,Yueqingwan Area, Yueqing City, Zhejiang Province                                                                                                                                                                                                                                                     |
| <b>NAME AND LOCATION OF THE FACTORY</b>                                                                                                                                                                                                                                                      | Zhejiang Lianhe Electronics Co., Ltd.<br>No. 8, Chuangxin Road, Yueqing Bay Port District, Yueqing City, Zhejiang Province                                                                                                                                                                                                                                          |
| <b>PRODUCT NAME, MODEL AND SPECIFICATION</b>                                                                                                                                                                                                                                                 | Connector ( PA66 )<br>See Annex , Material name: PA66, material grade: A3RV0, All color, Ball pressure:200°C, Glow-Wire Flammability Index(GWFI): 960/0.3, Glow-Wire Ignition Temperature(GWIT):960/0.3, Flammability:V-0@0.3mm, CTI600 , Infrared Analysis,Differential Scanning Calorimetry(DSC), Thermogravimetry (TG) to see report Ref.No: 00601-2020134003037 |
| <b>THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS</b>                                                                                                                                                                                                                             | GB/T 5169.21-2017, GB/T 5169.12-2013, GB/T 5169.13-2013, GB/T 5169.16-2017, GB/T 4207-2012, GB/T 6040-2019, GB/T 19466.1-2004, GB/T 19466.2-2004, GB/T 19466.3-2004, ISO 11358-1:2014                                                                                                                                                                               |
| <b>TYPE OF CERTIFICATION SCHEMES</b>                                                                                                                                                                                                                                                         | Product Testing + Follow up Factory Inspection                                                                                                                                                                                                                                                                                                                      |
| This is to certify that the above mentioned product(s) complies with the requirements of certification rules of CQC13-036047-2009.<br>The validity of the certificate is subject to positive result of the regular follow up inspection by issuing certification body until the expiry date. |                                                                                                                                                                                                                                                                                                                                                                     |
| The certificate information is available through the QR code below or CNCA's website: <a href="http://www.cnca.gov.cn">www.cnca.gov.cn</a>                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                     |
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| <b>CHINA QUALITY CERTIFICATION CENTRE</b>                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                     |
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中国认可  
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检测  
TESTING  
CNAS L0599

## 检测报告

编号: SHAEC24008425816

日期: 2024 年 05 月 07 日

第 1 页, 共 8 页

客户名称: 浙江联和电子有限公司  
客户地址: 浙江省乐清市乐清湾港区乐商创业园  
浙江省乐清市乐清湾港区电子信息产业园红旗路 8 号

样品名称: 端子 针  
客户参考信息: 见附件  
以上样品及信息由客户提供。

SGS 工作编号: TIC1020240424174615KLN9  
样品接收时间: 2024 年 04 月 26 日  
检测周期: 2024 年 04 月 26 日 ~ 2024 年 05 月 07 日  
检测要求: 根据客户要求检测。  
检测方法: 见后续页。  
检测结果: 见后续页。

| 检测要求                                                     | 结论 |
|----------------------------------------------------------|----|
| 欧盟 RoHS 指令 2011/65/EU 附录 II 的修正指令(EU) 2015/863-铅、汞、镉和六价铬 | 符合 |

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胡敏

Dora Hu 胡敏  
批准签署人

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检测报告

编号: SHAEC24008425816

日期: 2024 年 05 月 07 日

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检测结果:

检测部件外观描述:

| 样品序号 | 样品编号 | SGS 样品 ID               | 样品描述 |
|------|------|-------------------------|------|
| SN1  | A3   | SHA24-0084258-0001.C003 | 银色金属 |

备注:

- (1) 1 mg/kg = 1 ppm = 0.0001%  
(2) MDL= 方法检测限  
(3) ND = 未检出 (< MDL)  
(4) "-" = 未规定

欧盟 RoHS 指令 2011/65/EU 附录 II 的修正指令(EU) 2015/863-铅、汞、镉和六价铬

检测方法: 参考 IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013 和 IEC 62321-7-1:2015, 采用 ICP-OES/AAS 和 UV-Vis 进行分析。

| 检测项目          | 限值   | 单位     | MDL  | A3 |
|---------------|------|--------|------|----|
| 铅 (Pb)        | 1000 | mg/kg  | 2    | 37 |
| 汞 (Hg)        | 1000 | mg/kg  | 2    | ND |
| 镉 (Cd)        | 100  | mg/kg  | 2    | ND |
| 六价铬 (Cr(VI))▼ | -    | µg/cm² | 0.10 | ND |

备注:

- (1) 最大允许极限值引用自RoHS指令(EU) 2015/863。  
(2) IEC 62321系列等同于 EN 62321系列。  
(3) ▼ = a. 当六价铬的浓度高于0.13 µg/cm²时, 样品为阳性, 即含有六价铬;  
b. 当六价铬的浓度为ND (低于0.10 µg/cm²) 时, 样品为阴性, 即未检测到六价铬;  
c. 当六价铬的浓度介于0.10 µg/cm²与0.13 µg/cm²之间时, 无法直接判定是否检测到六价铬, 因不同个体的样品表面差异可能会影响测定结果。

由于未获知样品的存储条件和生产日期, 样品的六价铬检测结果仅能代表检测时样品含六价铬的状态。

除非另有说明, 参照 ILAC-G8:09/2019, 使用简单接受 (w=0) 的二元判定规则进行符合性判定。  
除非另有说明, 此报告结果仅对检测的样品负责。本报告未经本公司书面许可, 不可部分复制。



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检测报告

编号: SHAEC24008425816

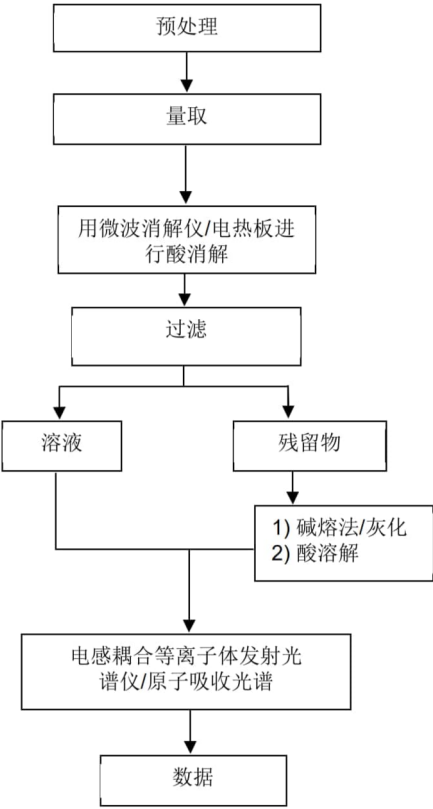
日期: 2024 年 05 月 07 日

第 3 页, 共 8 页

附件

元素检测流程图

样品按照下述流程被完全消解



收  
检  
spectic  
marks



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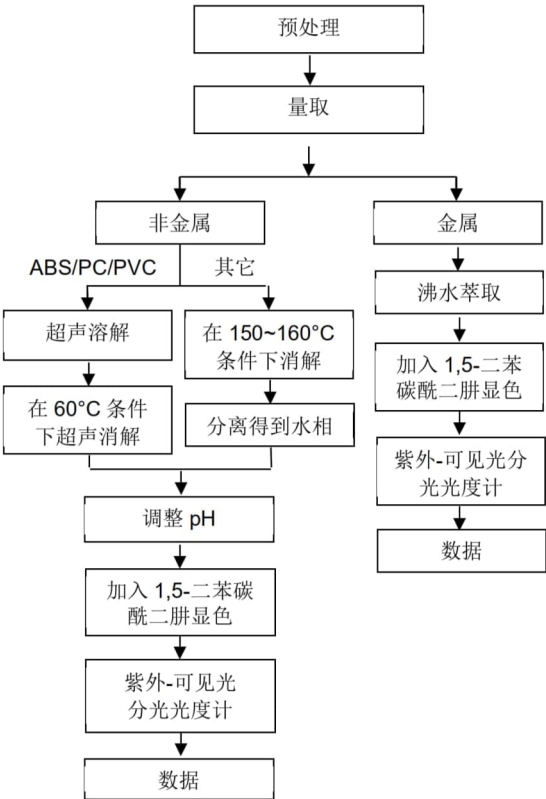
附件

编号: SHAEC24008425816

日期: 2024 年 05 月 07 日

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六价铬检测流程图



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编号: SHAEC24008425816

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附件:

1.0, SH, SHD, 1.25, 51021, DF14, DF13, GH, ZH, PH, PHB, PA, PHSD, DF11, C1251, 51047, 51146, FI-S, PHD, YHD200, PA, SMP, SMW, SMH, SMH200, SMH200-H, YH200, 20039WR, 杜邦 2.0, XH/TJC3, XA, HA, XHB, XHD, XHE, EH, EI, 小四 P, 5263, 5264, 5267, 5268, SZN, SAN, SCN, SCND, JC15, JC20, JC25, 5102, 5240, SMH250, SMP250, SMW250, 25048HS, 25045HP, SM, TJC8, 杜邦 2.54, TJC8A, 杜邦带锁, TJC8B, TJC8H, 5051, 2510, 美尚美, 43640, 43645, 43020, 43025, 5500, 5600, VH, VHRR, YH396, VHR, 35156, 2139, 3.96, 90331, 5195, 5196, 39612, FL, 5557, 5559, 5566, 5569, SL, RV42, EL, YL, 小 EL, 8981, 大四 P, 5058, 5.08, L6.2, VL, VLP/VLR, TJC2, TJC2A, TJC2B, TJC4, TJC1, 1806, MX3.0, 1.58, 51005, 51006, BH3.5, BH4.0, 63080, 51004, TJC15, A4203, CL014, OTP, MKH, SMF, Cy-X201, 35108, 35150, 35151, 35224, 35180, 35965, 42021, 42022, 42002, 35955, SA, SCS, 35189, 35196, CH10, CH2.5, 543, SLP, SLR, YHL500, YWL500, FFC, FPC, 20030, 250, LGC, S11, YH025, 35155, 25415, 5197, 5198, 110, 2.8, 6.3, SCS

NH, XHQ, 42474, 42475, QH, NV, 50300, 50301, 5025, 3191, 5199, STV5, YHL500, YWL500, F001, F002, D440, D600, D620, D700, D220, D230, D250, D480, D520, D280, D630, D430, D400, D450, U-T, F1001-T, SIN-T, 774, 773, 778, 294, TU-JTK(SV), TU(SNB), TO-JTK(RV), MDD, FDD, TG-JT, IDC, AUTO, CONNECTOR, DJ70, DT04, DT06, UY/K1, UY2/K2, UR/K3, UR2, UB/K4, UB2A, UG/K5, U1R/K8, U1B/K9, HJKT10, UDW2, 314, A5001, A5002, MC100, FPC2.54, SGN, PHR, ZHR, 205, 5.2, C1801, C1802, 2060, A5003, ME020, ME010, FPC/FFC, B2541, 1971845, 1971846, 2232043, 2232044, 2232511, 1971895, 1971896, JWPF, SY, Molex1.5, ME0100, RAST, A5004, DV, SJN, SDN, 35182, 35524, RCY, LC, VR, SHJ, SHL, DF19, ACH, IL-Z, SATA, XSR, SUR, SUH, ZE, ZND, ZPD, SFH, PUD, AMP2.0, 35507, DF3, PND, RE, RA, RF, SYP/SYR, HIF3, MC100/ME020/ME010, F2541, VHB, VHC, VHD

SHB1.0, NHB1.0, FIS, VHE, 35313, 30PIN, PR9-409, PR5-70-1, PR5-24, 5240B, 5500B, 5600B, 13006, 13007, 3DLG06FW, 1719057, 1719058, 1719059, CS28H, 9102501, 9103101, 9111001, PP0311401, 33EMMT26FBK, 3CN2BH02, 3FW06FBM, PP0426613, PP0426202, GIC3.3, 1376421-1, XADR, XADRR, 179846, 179849, XHR, 50235, PAD, PNI, SDL2.5, PS-250-2A-15, 4.8, 62306, H9002, DC4235, 62308, 62420-1, B35E0, 63658-1, 1060-16-0122, RH0409000142, RH011810030061, RH040499000142, RH011810030090, 299900421692, 33146412, 1.25 插板, SPS-01T-110, 282104-1, 282105-1, 282110-1, 282109-1, 21T1000501, 20T1001001, PP043531T, XNIRP, XL, 1123343-1, DF16, 1473413-1, 12147302, MG641234-5, PHBS, 0.8, Molex1.2, 35746, 35748, APM2.54

1969738, 1969740, 1971845, 1971846, 1971895, 1971896, 1971946 thru 1971949, 1971954 thru 1971957, 2232008 thru 2232011, 2232000 thru 2232003, 2232016 thru 2232019, 1971962 thru 1971965, 2232024 thru 2232027, 2232289 thru 2232292, 2232043 thru 2232074, 2232298 thru 2232301, 2232511, 2232532, 2232557, 2232559, 2232560, 2232562, 2232563, 2232565, 2232566, 2232568, 2232569, 2232571, 2232572, 2232574, 2232575, 2232577, 2232578, 2232580, 2232581, 2232583, 2232584, 2232586, 2232587, 2232589, 2232590, 2232592, 2232593, 2232595, 2232596, 2232598, 2232599, 2232601, 2232602, 2232604, 2232605, 2232607, 2232608, 2232611 thru 2232682, 2292457, 2292458, 1064, 2064, 3064, 1080, 2080, 3080, 1100, 2100, 3100, 1120, 2120, 3120, 1150, 2150, 3150, 1180, 2180, 3180, 1230, 2230, 3230, 1250, 2250, 3250, 1280, 2280, 3280, 1300, 2300, 3300, 1480, 2480, 3480, 1630, 2630, 3630, 1780, 2780, 3780, 1950, 2950, 3950, 1010, 2010, 3010, 1013, 2013, 3013, 1015, 2015, 3015, 1016, 2016, 3016, 1025, 2025, 3025, 1035, 2035, 3035, 1045, 2045, 3045, 1058, 2058, 3058, 1999, 2999, 3999, 401, 402, 403, 503, TPA, BX, CPA, 404, 501, 502

A1001 A1002 A1003 A1004 A1005 A1006 A1007 A1008 A1009  
A1251 A1252 A1253 A1254 A1255 A1256 A1257 A1258 A1259  
A1501 A1502 A1503 A1504 A1505 A1506 A1507 A1508 A1509  
A2001 A2002 A2003 A2004 A2005 A2006 A2007 A2008 A2009



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编号: SHAEC24008425816

日期: 2024 年 05 月 07 日

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A2010 A2011 A2012 A2013 A2014 A2015 A2016 A2017 A2018  
A2501 A2502 A2503 A2504 A2505 A2506 A2507 A2508 A2509  
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F10010 F10011 F10012 F10013 F10014 F10015 F10016 F10017 F10018  
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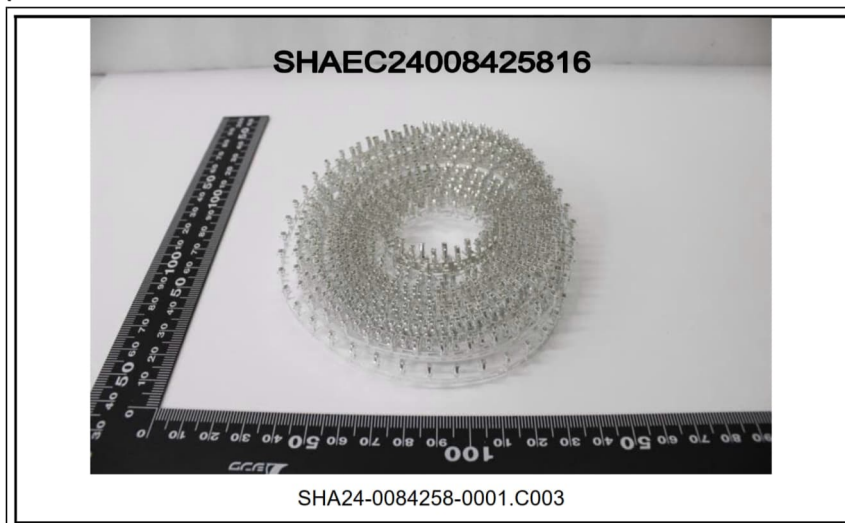
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编号: LHES006

## MSDS

## 1. 物品成分与厂商资料

|                  |                  |
|------------------|------------------|
| 厂商名称: 浙江联和电子有限公司 | 物品编号: QSN6.5-0.1 |
|                  | 物品名称: 磷铜端子       |
|                  | 纯物质:             |
|                  | 危害物质成分 (%) 无     |

## 2. 成份辨识资料

| 成份名称    | 化学文摘社登记号码 (CAS No.) | 浓度范围 (成分百分比 Percentage %) |
|---------|---------------------|---------------------------|
| 铜 (Cu)  | 7440-50-8           | 余量                        |
| 磷 (P)   | 7723-14-0           | 0.0026-0.005%             |
| 锌 (Zn)  | 7440-66-6           | 0.03-0.04%                |
| 镍 (Ni)  | 7440-02-0           | 0.054-0.063%              |
| 锑 (Sb)  | 7440-36-0           | 0.00015%                  |
| 铅 (Pb)  | 7439-92-1           | <0.005%                   |
| 铁 (Fe)  | 7439-89-6           | 0.005-0.0059%             |
| 纯镍 (Ni) | 7440-02-0           | 0.054-0.063%              |
| 纯锡 (Sn) | 7440-31-5           | 6.2 %                     |

## 2. 危害辨识资料

|         |                          |
|---------|--------------------------|
| 严重危害效应  | 健康危害效应: 本产品为固体时不具健康危害及危害 |
|         | 环境影响: 本产品为固体时对环境不具影响     |
|         | 物理性及化学性危害: 固体/无味/多色      |
|         | 特殊危害: 固体时 (防火或高温) 无特殊危害  |
| 主要症状: 无 |                          |

## 3. 急救措施

|      |             |
|------|-------------|
| 急救方法 | 吸入: 无吸入     |
|      | 皮肤接触: 接触无危害 |
|      | 食入: 无食入     |

主要症状及危害效应: 无

## 4. 灭火措施

通用灭火器: 二氧化碳, 泡沫, 干粉化学灭火器, 水雾等

灭火时可能遭遇之特殊危害: 会引起火灾

消防人员之特殊防护装备: 使用从氧式吸防护具

## 5. 泄漏处理方法

个人应注意事项: 注意工作台面清洁, 作业时及时清洗手

环境注意事项: 将泄漏之物料以容器盛装以便回收或废弃

清理方式: 工作台面每天作业前/后须擦拭干净, 建议可以戴手套或手指套作业

## 6. 安全处置与储存方法

处置: 废弃物可送到政府许可的废弃物处理中心进行处理

|                                                                                |                                   |
|--------------------------------------------------------------------------------|-----------------------------------|
| 储存：空调仓，23±5℃，湿度 65%以下，仓库里面安装灭火器                                                |                                   |
| 7. 暴露预防措施                                                                      |                                   |
| 个人防护设备                                                                         | 呼吸防护：口罩，一般无此要求，可以建议采用             |
|                                                                                | 手部防护设备：手套火手指套，一般无此要求，可以建议采用       |
|                                                                                | 眼睛防护：安全目镜或眼镜                      |
|                                                                                | 皮肤及身体防护：穿工作服，经常勤洗                 |
| 卫生措施：建议使用安全目镜，进食前应洗手及脸部，平时多运动，保持健康体力                                           |                                   |
| 8. 物料及化学性质                                                                     |                                   |
| 物质状态：固体                                                                        | 形状：连接器                            |
| 颜色：多色                                                                          | 气味：无味                             |
| PH 值：未测定                                                                       | 沸点：未测定                            |
| 分解温度：未测定                                                                       | 爆炸介限：无                            |
| 自然温度：固体无                                                                       | 溶解度：固体无                           |
| 9. 安全性及反应性                                                                     |                                   |
| 安全性：正常状态下安全                                                                    |                                   |
| 特殊状况下可能之危害反应：无                                                                 |                                   |
| 应避免之状况：避免接触火源和太阳光直照射                                                           |                                   |
| 应避免之物质：火和酸碱性物质                                                                 |                                   |
| 危害分解物：无                                                                        |                                   |
| 10. 毒性资料                                                                       |                                   |
| 急毒性                                                                            | 吸入：无                              |
|                                                                                | 皮肤接触：无                            |
|                                                                                | 眼睛：无                              |
| 局部效应：无                                                                         | 特殊效应：无                            |
| 11. 废弃物处理方法：废弃物可送到政府许可的废弃物处理中心进行处理                                             |                                   |
| 12. 运送资料                                                                       |                                   |
| 联合国编号：无                                                                        | 运输规定：并无危险分类                       |
| 运送方法及注意事项：勿重压，轻拿轻放                                                             |                                   |
| 13. 适用法规：1.劳工安全卫生设施规划；2.危害物及有害物通讯规划；3.索尼环境通用规定；4 劳工用业环境空气中有害物容许溶度标准；5 道路交通安全规划 |                                   |
| 14. 其他资料：                                                                      |                                   |
| 15.法规资料                                                                        |                                   |
| 适用法规                                                                           | 1.劳工安全卫生设施规则<br>2.RoHS 法规及有害物通识规则 |
| 16.其它资料                                                                        |                                   |
| 参考文献                                                                           | 有害化学物质中文资料库，环保局                   |
| 制表单位                                                                           | 浙江联和电子有限公司                        |
| 制造商及供应商地址                                                                      | 浙江省温州乐清市乐清湾港区创新路8号                |
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