



产品规格书

PRODUCT SPECIFICATION

产品描述: TJC61 CONNECTOR

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 浙江合兴电子元件有限公司 CWB Electronics (Zhejiang) Co., Ltd.	<u>制定 Edit:</u> 杨 培 2019.01.17	<u>产品名称 Product Name:</u> TJC61
	<u>审核 Check:</u> 杨 培 2019.01.17	<u>编号 Document No.:</u> PS2627
	<u>批准 Approval:</u> 杨 培 2019.01.17	<u>版本 REVISION:</u> 1
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1. 更改履历 Change History

序号 No.:	版本号 Version No.	更改前描述 Description Before Modification	更改后描述 Description After Modification	日期 Date
1	1	/	新版规格书	2019.01.17
2				
3				
4				
5				

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2. 适用范围 Scope

本产品规格书适用于浙江合兴电子元件有限公司生产的 **CTB 5.8P 阴型连接器**，产品名称：**TJC61**。

This product specification covers the requirement for **Cable to Board 5.8 mm pitch Receptacle connector**, which is designed and manufactured by CWB Electronics(ZheJiang) Co.,LTD. P/N: **TJC61**.

3. 产品描述 Product Description

TJC61 系列产品为家电连接器产品，产品部件组成如下：

The TJC61 series connector designed for home appliances connection. Part checklist as following form:

Name	Part name	Notes
阴连接器孔座 housing,	TJC61-3Y	PC/PET 450N UL94V-0, GWT 750°C
阴连接器限位扣 lock	TJC61-3Y 限位扣	PC/PET 450N UL94V-0, GWT 750°C

4. 相关标准 Related Standards

以下参考文件是本规格书的一个组成部份。若本规格书中的要求与产品图纸发生冲突，则产品图中的要求为优先；若本规格书中的要求与参考文件中的要求冲突，则本规格书为优先。

The following documents form a part of this specification. In the event of conflict between the requirements of this specification and the product drawing, the product drawing shall take precedence. In the event of conflict between the requirements of this specification and the referenced documents, this specification shall take precedence.

GB/T 2421	电工电子产品环境试验 第一部分 总则 Testing Method for Environmental of Electrical Connectors Class 1: General Principles
GB/T 2423	电工电子产品环境试验方法 Testing Method for Environmental of Electrical Connectors
GB/T 2424	电工电子产品环境试验导则 Testing Method for Environmental of Electrical Connectors
GB/T 5095	电子设备用机电元件基本试验规程及测量方法 Testing procedure/Method for components of electric equipment
GB/T 5169	电工电子产品着火危险试验 第 11 部分 灼热丝/热丝基本实验方法 成品的灼热丝可燃性试验方法 Fire hazard testing for electric and electric products — Part 11: Glowing/hot-wire based test methods — Glowing-wire flammability test method for end-products.

产品符合合兴企标 Q/HX J1150001 《产品及所用材料的环保要求》 I 类或顾客要求。

The connector should comply with CWB standard Q/HX J1150001 Class I or customer's requests.

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5. 参数范围 Parameter Ratings:

使用温度范围

Operating temperature range

-30℃~+105℃

6. 产品性能 Performance

6.1 机械性能 Mechanical

序号 No.	项 目 Item	测试条件 Test Condition	规 格 Requirement
6.1.1	外观 Appearance	目测 Checking by eye 视力: 1.0 以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m	塑料件表面应无明显疤痕、凹陷、开裂及影响使用的变形。 Plastic part: smooth and flat surface without discolor, broken crack, and distortion, etc.
6.1.2	端子的固定力 Insertion Retention Force for terminal	固定连接器和/或测力计, 在连接器轴线方向插入和拔出; 速度不大于 25±3 mm/min Axial Insert and withdraw force on the terminal in the housing or Pin in the wafer at a rate of 25±3 mm per minute. GB/T 5095.8 Method 15A / EIA-364-29B	50N Min

6.2 环境性能 Environmental

序号 No.	项 目 Item	测试条件 Test Condition	规 格 Requirement
6.2.1	耐高温 Heat Resistance	连接器配合后, 于 105±2℃ 的空气中放置 96 小时, 再回到室温中放置 1~2 小时测定 Mate connector exposed to the condition of 105±2℃ for 96 hours. Recovery time 1~2 hours GB/T 5095.6 Method 11i / EIA-364-17B	外观: 无损伤 (参照6.1.1) Appearance: No damage.(refer to 6.1.1)
6.2.2	耐低温 Cold Resistance	连接器配合后, 于 -30±2℃ 的空气中放置 96 小时, 再回到室温中放置 1~2 小时测定 Mate connector exposed to the condition of -30±2℃ for 96 hours. Recovery time 1~2 hours GB/T 5095.6 Method 11J / EIA-364-17B	外观: 无损伤 (参照6.1.1) Appearance: No damage.(refer to 6.1.1)
6.2.3	恒定湿热 Humidity	温度(40±2)℃, 相对湿度(90~95)% 搁置时间 96h, 取出恢复 (1~2) h 后检查. Mated connector exposed to the condition of +40±2℃ @ 90~95% Humidity for 96 hours. Recovery time 1~2 hours GB/T 5095.6 Method 11C / EIA-364-31B	外观: 无损伤 (参照6.1.1) Appearance: No damage.(refer to 6.1.1)

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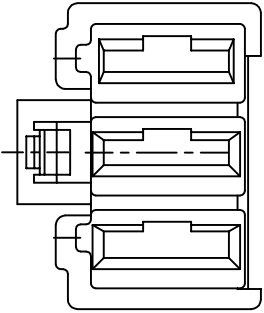
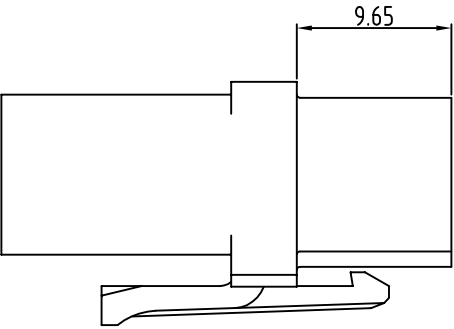
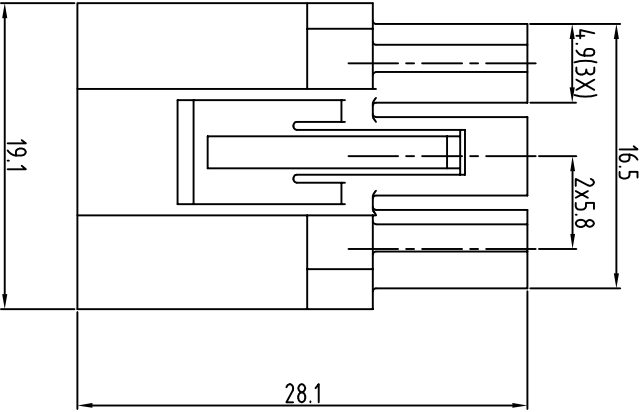
6.2.4	温度循环 Temperature Cycling	把试验样品分别放入高、低温试验箱中，按下列步骤调试温度： a) 在(-55±2)℃的恒温条件下放置 0.5h; b) 在(85±2)℃的恒温条件下放置 0.5h; 从 a)到 b)为一个循环周期，共进行 5 个循环,恢复(1~2)h后检查。 Mate connectors shall be tested under the following conditions <table><tr><th>Temperature °C</th><th>Duration (Minutes)</th></tr><tr><td>-55</td><td>30</td></tr><tr><td>+25</td><td>5Max</td></tr><tr><td>+85</td><td>30</td></tr><tr><td>+25</td><td>5Max</td></tr></table> Step 1 to 4 is one cycle, 5 cycles shall be tested. Recovery time 1~2 hours. GB/T 5095.6 method 11D / EIA-364-32C	Temperature °C	Duration (Minutes)	-55	30	+25	5Max	+85	30	+25	5Max	外观：无损伤（参照6.1.1） Appearance: No damage.(refer to 6.1.1)
Temperature °C	Duration (Minutes)												
-55	30												
+25	5Max												
+85	30												
+25	5Max												

7. 测试分组 Test Sequences （Samples: 5PCS）

测试组 GROUP NUMBER	A	B	C	D	E
外观 Appearance	1	1,3	1,3	1,3	1,3
端子的固定力 Insertion Retention Force for terminal	2				
耐高温 Heat Resistance		2			
耐低温 Cold Resistance			2		
温度循环 Temperature Cycling				2	
恒定湿热 Humidity					2

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General Tolerance		Rev. No		Location		Description		Reviser	Date
Dimension	Tolerance								
0~3	±0.13								
3~18	±0.16								
18~50	±0.31								
≥50	±0.55								

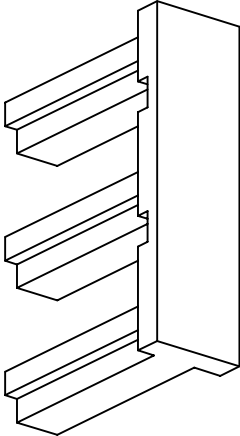
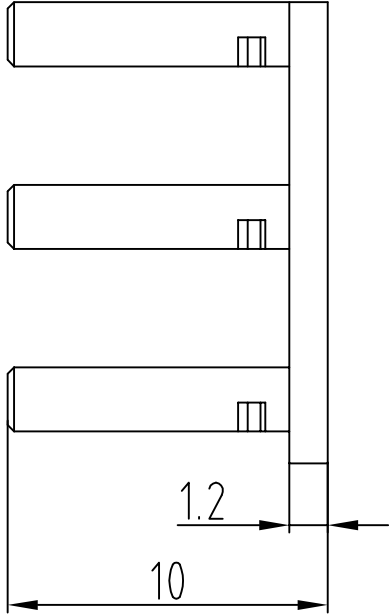
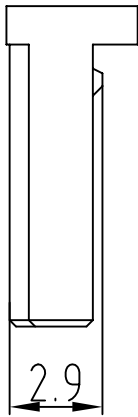
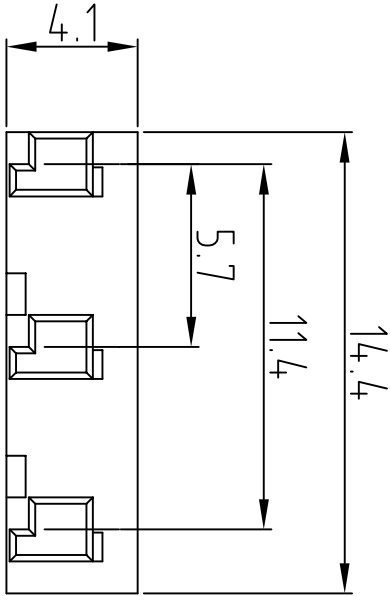


Notes:

- 1.Material: PC/PET UL94 V-0
- 2.Matched Locking: TJC61-3Y ;
- 3.Packing: Packing bag;
- 4.Compliant To The Current RoHS.

CUSTOMER DRAWING						Title: 5.8 Pitch Housing	
Drawn	Yang Pei 2019.1.15	Unit	Scale	Size	Edition	Part No.: TJC61-3Y	Document No.:CP-DWG-00785 Specification No.: PS2767
Checked	Guoying Wang2019.1.15	mm	1 : 1	A4	B0		
Approved	Dongxuli 2019.1.15	Sheet No.	1 of 1				
CWB 浙江合兴电子元件有限公司 CWB Electronics (Zhejiang) Co., Ltd							

General Tolerance		Dimension	Tolerance	Rev.	No	Location	Description	Reviser	Date
		0~3	±0.13						
		3~18	±0.16						
		18~50	±0.31						
		≥50	±0.55						



Notes:

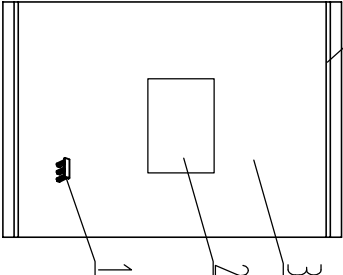
- 1.Material: PC/PET UL94 V-0
- 2.Matched Housing: TJC61-3Y ;
- 3.Packing: Packing bag;
- 4.Compliant To The Current RoHS.

CUSTOMER DRAWING						Title: 5.7 Pitch Locking	
Drawn	Yang Pei 2019.1.15	Unit	Scale	Size	Edition	Part No.:	TJC61-3Y
Checked	Guoying Wang2019.1.15	mm	1 : 1	A4	B0	Document No.:	CP-DWG-00786
Approved	Dongxuliu 2019.1.15	Sheet No.	1 of 1			Specification No.:	PS2767
 CMB 浙江合兴电子有限公司 CMB Electronics (Zhejiang) Co., Ltd							

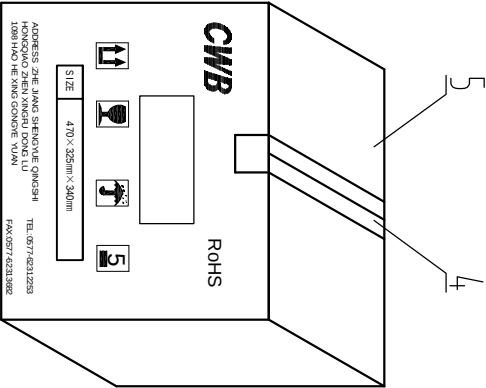
General Tolerance		Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
		0~3	±0.13					
		3~18	±0.16					
		18~50	±0.31					
		≥50	±0.55					

Packing bag

Sealed



Packing box

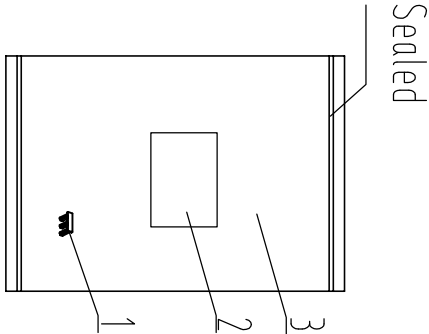


5	Gummed tape		
4	Packing box		
3	Packing bag		
2	Certificate		
1	TJC2509 series header	TJG6-3Y	300
Number	Designation	Part No.	Pcs/bag

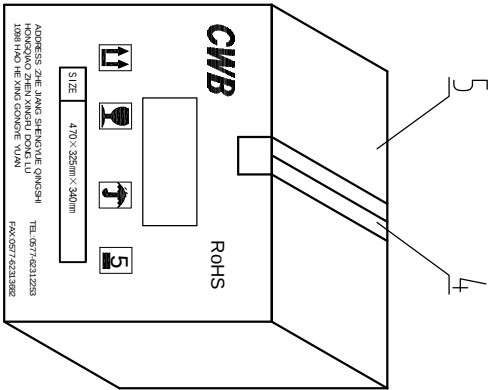
CUSTOMER DRAWING					Title:	
Drawn	Yang Pei 2019.01.17	Unit	Scale	Size	Edition	Packaging Specification of 5.8 Pitch Housing
Checked	Guoying Wang 2019.01.17	mm	/	A4	B0	Part No.: TJG6-3Y
Approved	Dongxuliu 2019.01.17	Sheet No.	1 of 1			Document No.: BZ-DWG-00459
 浙江睿兴电子科技有限公司 CWB Electronics (China) Co., Ltd.						Specification No.: PSZ767

General Tolerance		Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
		0~3	±0.13					
		3~18	±0.16					
		18~50	±0.31					
		≥50	±0.55					

Packing bag



Packing box



5	Gummed tape		
4	Packing box		
3	Packing bag		
2	Certificate		
1	TJC2509 series header	TJC6-3Y Locking	1000
Number	Designation	Part No.	Pcs/bag

CUSTOMER DRAWING					Title:	
Drawn	Yang Pei 2019.01.17	Unit	Scale	Size	Edition	Packaging Specification of 5.7 Pitch Locking
Checked	Guoying Wang 2019.01.17	mm	/	A4	B0	Part No.: TJC6-3Y
Approved	Dongxuliu 2019.01.17	Sheet No.	1 of 1			Document No.: BZ-DWG-00460
 浙江睿兴电子科技有限公司 (Zhejiang Ruixing Electronics Co., Ltd.)						Specification No.: PSZ767