



# 产品规格书

## PRODUCT SPECIFICATION

产品描述: TJC25014 Connector

Product Description: TJC25014 Connector

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	审核 Check: 王曲 2017.6.23	编号 Document No.: PS2175
	批准 Approval: 刘冬旭 2017.6.23	版本 REVISION: 3



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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	更改人/日期 Reviser/Date
1	1	旧版规格书	制作新版规格书	覃丽 2016.04.19
2	2	无 TJC25014-2A 与 CZ-TJC25014	新增 TJC25014-2A 与 CZ-TJC25014	张玲玲 2017.5.25
3	3	无 TJC25014-3A/4A/6A	新增 TJC25014-3A/4A/6A	张玲玲 2017.6.23
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 **WTB & WTW 2.5P 阴型 & 阳型电子连接器**，产品名称：**TJC25014&TJC25023&TJC25024**。

This product specification covers the requirement for **Wire to Board& Wire to Wire 2.5mm pitch Receptacle & Plug connector**, which is designed and manufactured by CWB Electronics(ZheJiang) Co.,LTD. P/N: **TJC25014&TJC25023&TJC25024**.

### 3. 产品描述 Product Description

TJC25014 系列产品为家电连接器产品，产品部件组成如下：

The TJC25014 series connector designed for home appliances connection. Part checklist as following form:

Name	Part name	Notes
条形连接器孔座 Housing	TJC25014-nY	PC/PET 450N / PA66 UL94V-0
锁紧片 Lock Plate	TJC25014-nYS	PA66 UL94V-0
插簧 Socket Contact	TJC25014, TJC25014B	Phosphor bronze Tin plating
插针	CZ-TJC25014	Brass Tin plating
条形连接器针座 Plug Housing	TJC25014-nA	PA66 UL94V-0
阳连接器 Header	TJC25023-nA	Wafer:PA66 UL94V-0 Post :Brass, Tin over nickel plating
阳连接器 Header	TJC25024-nA	Wafer:PA66 UL94V-0 Post :Brass, Tin over nickel plating
阳连接器 Header	TJC25024-nA-1	Wafer:PA66 UL94V-0 Post :Brass, Tin over nickel plating

### 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

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

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

### 5. 参数范围 Parameter Ratings:

额定电流 Rated Current	AWG26 2A	AWG24 2.2A	AWG22 2.5A
适用 PCB 板 Applicable P.C.B	Board Thickness: 1.2mm-1.6mm Hole Diameter: 0.9mm-1.0mm		
额定电压 Rated Voltage	250V [AC(有效值 rms)/DC]		
使用温度范围 Operating temperature range	-30℃~+105℃(Include temperature rise)		
适用线型 Applicable wires	Wire Size: AWG26~AWG22 (0.129mm <sup>2</sup> ~0.3256mm <sup>2</sup> ) Insulation Diameter: 1.3mm-1.6mm		

### 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 GB/T 5095.1 Method 1a	1. 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. 2. 金属件表面无锈蚀、氧化、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.	
6.1.2	插针插入力和固定力 Insertion and Retention Force for Contact	固定连接器和测力计, 在连接器轴线方向插入和拔出; 速度不大于 25 mm/min. Axial Insert and withdraw force on the contact in the housing at a rate less than 25 mm/min. GB/T 5095.8 Method 15d / EIA-364-29B	插入力 (Insertion) Max.	固定力(Retention) Min.
			9.8N	15N
6.1.3	插簧插入力和固定力 Insertion and Retention Force for Contact	固定连接器和测力计, 在连接器轴线方向插入和拔出; 速度不大于 25 mm/min. Axial Insert and withdraw force on the contact in the housing at a rate less than 25 mm/min. GB/T 5095.8 Method 15d / EIA-364-29B	插入力 (Insertion) Max.	固定力(Retention) Min.
			9.8N	20N
6.1.4	针的固定力 Retention Force for Pin	固定连接器和测力计, 在连接器轴线方向施加规定的推力进行测试, 25 mm/min. Apply thrust force on the Pin in the wafer at a rate less than 25 mm/min. GB/T 5095.8 Method 15a / EIA-364-29B	15N Min	
6.1.5	插簧与插针/方针的插拔力 Insertion and Withdrawal Force for Pin in the Contact	固定连接器和测力计, 在连接器轴线方向插入和拔出; 速度不大于 25 mm/min. Axial Insert and withdraw force on the pin contact in the socket contact of 25mm per minute. GB/T 5095.8 Method 16e / EIA-364-13B	插入力 (Insertion) Max.	固定力(Retention) Min.
			9.8N	0.2N

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6.1.6	压着部位抗张强度 Crimping Pull Out Force	在试验装置夹头中固定试验样品，在连接的轴线方向施加张力; 25 mm/min. Fix the crimped contact, axial pull out force on the contact in the housing at a rate less than 25 mm/min. <b>GB/T5095.8 Method 16d / EIA-364-08B</b>	AWG 26: 20N Min. AWG 24: 30N Min. AWG 22: 40N Min.			
6.1.7	成品插入力与拔出力 (去除锁扣) Insertion and Withdrawal Force for Connector (without lock)	固定连接器和测力计，在连接器轴线方向插入和拔出；速度不大于25 mm/min. Apply axial Insert and withdraw force on the contact into and out of the housing at a rate less than 25 mm/min. <b>GB/T 5095.7 Method 13b / EIA-364-13B</b>	PIN	首次插入力 (Insertion 1st ) Max	首次拔出力 Withdrawal (1st) Min	五十次后拔出力 Withdrawal (50th) Min
			2	11N	1.2N	0.6N
			3	17N	1.8N	0.9N
			4	23N	2.4N	1.2N
			5	29N	3.0N	1.5N
			6	35N	3.6N	1.8N
			7	41N	4.2N	2.1N
			8	47N	4.8N	2.4N
			9	53N	5.4N	2.7N
			10	58N	6.0N	3.0N
			11	64N	6.5N	3.3N
			12	70N	7.1N	3.6N
			13	76N	7.7N	3.9N
			14	82N	8.3N	4.2N
			15	88N	8.9N	4.5N
6.1.8	机械振动 Random Vibration	插合连接器，串联在一直流电源上,电流100mA;并模拟正常工作状态；振频为（10~55~10）Hz，每个循环时间为1分钟，振幅1.52mm。沿XYZ三轴正反方向各循环2h。 Mate connectors subjected them to following vibration conditions, for a period of 2 hours in each of 3 mutually perpendicular axes, 100 mA current shall be applied. Frequency: (10~55~10) HZ/min. Amplitude: 1.52mm <b>GB/T 5095.4 Method 6d / EIA-364-28D</b>	外观：无损伤（参照6.1.1） Appearance: No damage.( refer to 6.1.1) 接触电阻：0.02Ω Max. Contact resistance: 0.02Ω Max. 中断：1μsec Max. <1μsec discontinuity			
6.1.9	机械冲击 Shock	连接器相配，沿XYZ三轴正反方向各冲击3次(总共18次)，在测试过程中通以100mA电流。 冲击强度：490m/s <sup>2</sup> 持续时间：11ms Mate connectors and subject them to the following shock conditions, 3 times of shock shall be applied for each 6 directions along 3 mutually perpendicular axes, passing DC 100mA current during the test.(Total of 18 shocks) Test Pulse: : 490m/s <sup>2</sup> Duration: 11ms <b>GB/T 5095.4 Method 6c / EIA-364-27B</b>	外观：无损伤（参照6.1.1） Appearance: No damage.( refer to 6.1.1) 中断：1μsec Max. <1μsec discontinuity			
6.1.10	机械寿命 Durability	以每分钟 10 次的速度插拔 50 次。 Fifty cycles for mating and unmating test at the speed of 10 cycles per minute <b>GB/T 5095.5 Method 9a / EIA-364-09C</b>	外观：无损伤（参照6.1.1） Appearance: No damage.( refer to 6.1.1) 接触电阻：0.02Ω Max. Contact resistance: 0.02Ω Max.			
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### 6.2 电气性能 Electrical

序号 No.	项 目 Item	测试条件 Test Condition	规格 Requirement
6.2.1	接触电阻 Contact Resistance	插配阴阳连接器后,用小功率电路进行测试 Mate connectors with dry circuit to test Contact Resistance <b>GB/T 5095.2 Method 2a / EIA-364-23B</b>	<b>0.01 Ω Max. (Initial)</b> <b>0.02 Ω Max. (Final)</b>
6.2.2	绝缘电阻 Insulation Resistance	在相邻接触件之间或地线之间,用 500V DC 电压进行测试. Apply a voltage of 500V DC between adjacent contacts and between contacts to ground. <b>GB/T 5095.2 Method 3a / EIA-364-21C</b>	<b>1000 MΩ Min. (Initial)</b> <b>500 MΩ Min. (Final)</b>
6.2.3	耐电压 Withstand Voltage	相邻接触件之间或地线之间施加 1000V AC (有效值),漏电流 1mA 的电压作用,时间 1min. Apply a voltage of AC 1000V for 1 minute between adjacent contacts and between contacts to ground. <b>GB/T 5095.2 Method 4a / EIA-364-20B</b>	外观: 无击穿和飞弧现象 Appearance: No Breakdown or flashover
6.2.4	温升 Temperature Rise	插合连接器, 通以最大允许电流, 测温度的差值 Mate connectors and measure the temperature rise of contact when the maximum AC rated current is passed. <b>GB/T 5095.3 Method 5a / EIA-364-70A</b>	<b>Δ30°C Max.</b>

### 6.3 环境性能 Environmental

序号 No.	项 目 Item	测试条件 Test Condition	规格 Requirement
6.3.1	耐高温 Heat Resistance	连接器配合后, 于 105±2°C 的空气中放置 240 小时, 再回到室温中放置 1-2 小时测定 Mated connectors exposed to the condition of 105±2°C for 240 hours. Recovery time 1~2 hours <b>GB/T 5095.6 Method 11i / EIA-364-17B</b>	外观: 无损伤 (参照6.1.1) Appearance: No damage.( refer to 6.1.1) 接触电阻: <b>0.02Ω Max.</b> Contact resistance: <b>0.02Ω Max.</b> 绝缘电阻: <b>500MΩ Min</b> Insulation Resistance: <b>500MΩ Min</b> 耐电压: <b>1000V Min.</b> Withstand Voltage: <b>1000V Min.</b>
6.3.2	耐低温 Cold Resistance	连接器配合后, 于 -40±2°C 的空气中放置 96 小时, 再回到室温中放置 1-2 小时测定 Mated connectors exposed to the condition of -40±2°C for 96 hours. Recovery time 1~2 hours <b>GB/T 5095.6 Method 11j / EIA-364-17B</b>	外观: 无损伤 (参照6.1.1) Appearance: No damage.( refer to 6.1.1) 接触电阻: <b>0.02Ω Max.</b> Contact resistance: <b>0.02Ω Max.</b>

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6.3.3	恒定湿热 Humidity	温度 $40\pm 2^{\circ}\text{C}$ , 相对湿度(90~95)% 搁置时间 240h, 取出恢复 1~2h 后检查。 Mated connectors exposed to the condition of temperature $40\pm 2^{\circ}\text{C}$ , humidity (90~95)% for 240 hours. Recovery time 1~2 hours <b>GB/T 5095.6 Method 11c /EIA-364-31B</b>	外观: 无损伤 (参照6.1.1) Appearance: No damage.( refer to 6.1.1) 接触电阻: <b>0.02Ω Max.</b> Contact resistance: <b>0.02Ω Max.</b> 绝缘电阻: <b>500 MΩ Min.</b> Insulation Resistance : <b>500 MΩ Min.</b> 耐电压: <b>1000V Min.</b> Withstand Voltage: <b>1000V Min.</b>										
6.3.4	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 $(-55\pm 2)^{\circ}\text{C}$ 的恒温条件下放置 0.5h; b) 在 $(85\pm 2)^{\circ}\text{C}$ 的恒温条件下放置 0.5h; 从 a)到 b)为一个循环, 周期温度转换时间应不大于 5 分钟, 共进行 25 个循环,恢复 1~2h 后检查。 Mated connectors shall be tested under the following conditions <table border="1" data-bbox="483 699 852 842"> <thead> <tr> <th>Temperature °C</th> <th>Duration (Minutes)</th> </tr> </thead> <tbody> <tr> <td>1 -55</td> <td>30</td> </tr> <tr> <td>2 +25</td> <td>5Max.</td> </tr> <tr> <td>3 +85</td> <td>30</td> </tr> <tr> <td>4 +25</td> <td>5Max.</td> </tr> </tbody> </table> Step 1 to 4 is one cycle,25 cycles shall be tested. Recovery time 1~2 hours. <b>GB/T 5095.6 method 11d / EIA-364-32C</b>	Temperature °C	Duration (Minutes)	1 -55	30	2 +25	5Max.	3 +85	30	4 +25	5Max.	外观: 无损伤 (参照6.1.1) Appearance: No damage.( refer to 6.1.1) 接触电阻: <b>0.02Ω Max.</b> Contact resistance: <b>0.02Ω Max.</b> 绝缘电阻: <b>500 MΩ Min.</b> Insulation Resistance : <b>500 MΩ Min.</b> 耐电压: <b>1000V Min.</b> Withstand Voltage: <b>1000V Min.</b>
Temperature °C	Duration (Minutes)												
1 -55	30												
2 +25	5Max.												
3 +85	30												
4 +25	5Max.												
6.3.5	盐雾 Salt Spray	把试验样品从试验箱顶悬挂下来, 采用浓度为 $(5\pm 1)\%$ (质量百分比)的氯化钠溶液, 在 $(35\pm 2)^{\circ}\text{C}$ 温度下连续雾化 48h,试验后用流动的蒸馏水轻轻洗去表面沉积物。在常温常湿条件下恢复 1~2h Forty-eight hours spray, at temp $(35\pm 2)^{\circ}\text{C}$ , NaCl mist concentration $(5\pm 1)\%$ . After test, wash parts and put it into room ambient for 1~2 hours <b>GB/T 5095.6 Method 11f /EIA-364-26B</b>	外观: 无损伤(五金件应无露出底金属的严重锈蚀;使用预镀好的型材, 其落料面允许有不影响其性能的轻微腐蚀。) Appearance: No Damage (No erosion on material exposed. and plating material, slight erosion on the cutting surface is acceptable) 接触电阻: <b>0.02Ω Max.</b> Contact resistance: <b>0.02Ω Max.</b>										
6.3.6	可焊性 Solderability	把试验样品需要焊接的部位浸入焊锡炉中, 锡炉温度 $(245\pm 5)^{\circ}\text{C}$ , 时间 $(4\sim 5)\text{s}$ Dip solder tails into the molten solder held at $(245\pm 5)^{\circ}\text{C}$ for $(4\sim 5)\text{sec}$ . <b>EIA-364-52</b>	上锡率 $\geq 90\%$ : Solder coverage: $\geq 90\%$										
6.3.7	耐焊接热 Resistance to Soldering Heat	耐波峰焊热: 把试验样品需要焊接的部位浸入焊锡炉中,锡炉温度 $(260\pm 5)^{\circ}\text{C}$ ; 时间 $(5\pm 1)\text{s}$ 后, 在正常条件下恢复 1~2h。 手工焊接: 温度 $350\pm 10^{\circ}\text{C}$ , 时间 1-2 seconds Resistance to Wave Soldering Heat : Dip solder tails into the molten solder held at $(260\pm 5)^{\circ}\text{C}$ for $(5\pm 1)\text{sec}$ ., Recovery time 1~2 hours Manual soldering : $350\pm 10^{\circ}\text{C}$ for 1-2 seconds	外观: 无损伤 (参照6.1.1) Appearance: No damage.( refer to 6.1.1)										

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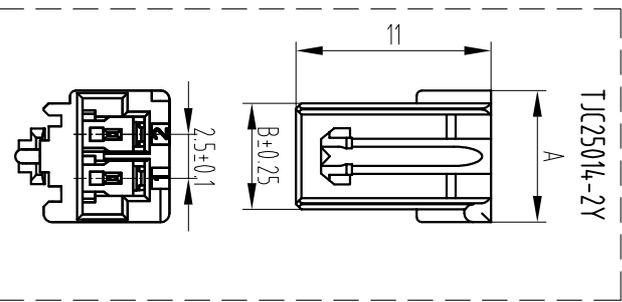
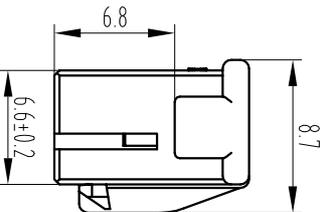
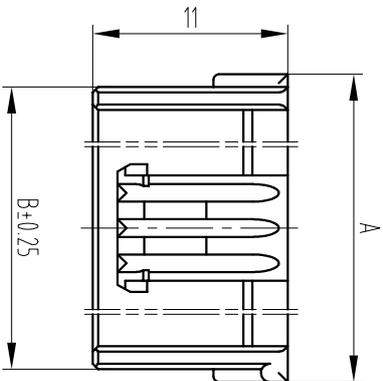
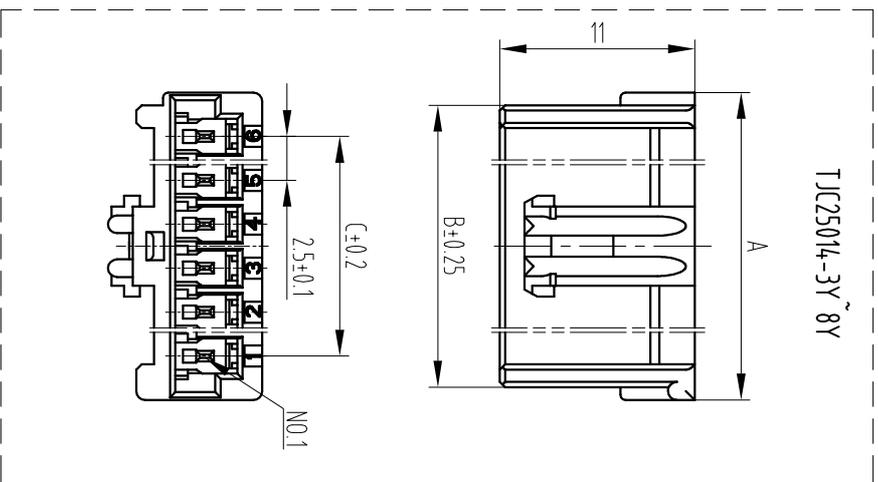
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### 7. 测试分组 Test Sequences (Samples: 5PCS)

测试组 GROUP NUMBER	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
外观 Appearance	1	1	1	1	1	1 5	1 5	1 3	1 5	1	1 7	1 5	1 7	1 7	1 5	1 3	1 3
插针插入力和固定力 Insertion and Retention Force for Contact	2																
插簧插入力和固定力 Insertion and Retention Force for Contact		2															
针的固定力 Retention Force for Pin			2														
插簧与插针/方针的插拔力 Insertion and Withdrawal Force for Pin in the Contact				2													
压着部位抗张强度 Crimping Pull Out Force					2												
成品插入力与拔出力 Insertion and Withdrawal Force for Connector						2											
机械振动 Random Vibration							3										
机械冲击 Shock								2									
机械寿命 Durability									3								
接触电阻 Low Level Contact Resistance							2 4		2 4		2 4	2 4	2 4	2 4	2 4		
绝缘电阻 Insulation Resistance											5		5	5			
耐电压 Withstand Voltage											6		6	6			
温升 Temperature Rise										2							
耐高温 Heat Resistance											3						
耐低温 Cold Resistance												3					
恒定湿热 Humidity													3				
温度循环 Temperature Cycling														3			
盐雾 Salt Spray															3		
可焊性 Solderability																	2
耐焊接热 Resistance to Soldering Heat																	2

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General Tolerance			Description			Revision		
Dimension	Tolerance	Rev. No.	Location	Version upgrade	Reviser	Date		
0~3	±0.13	△			Ji Wu	2017.6.8		
3~18	±0.16	△		Add material	Ji Wu	2017.7.12		
18~50	±0.31							
>50	±0.55							



Part No.	Quantity	Material	Dimensions
TJC25014-13Y	35		33.6 30
TJC25014-12Y	32.5		31.1 27.5
TJC25014-11Y	30		28.6 25
TJC25014-10Y	27.5		26.1 22.5
TJC25014-9Y	25		23.6 20
TJC25014-8Y	22.5		21.1 17.5
TJC25014-7Y	20		18.6 15
TJC25014-6Y	17.5		16.1 12.5
TJC25014-5Y	15		13.6 10
TJC25014-4Y	12.5		11.1 7.5
TJC25014-3Y	10		8.6 5
TJC25014-2Y	7.5		6.1 2.5

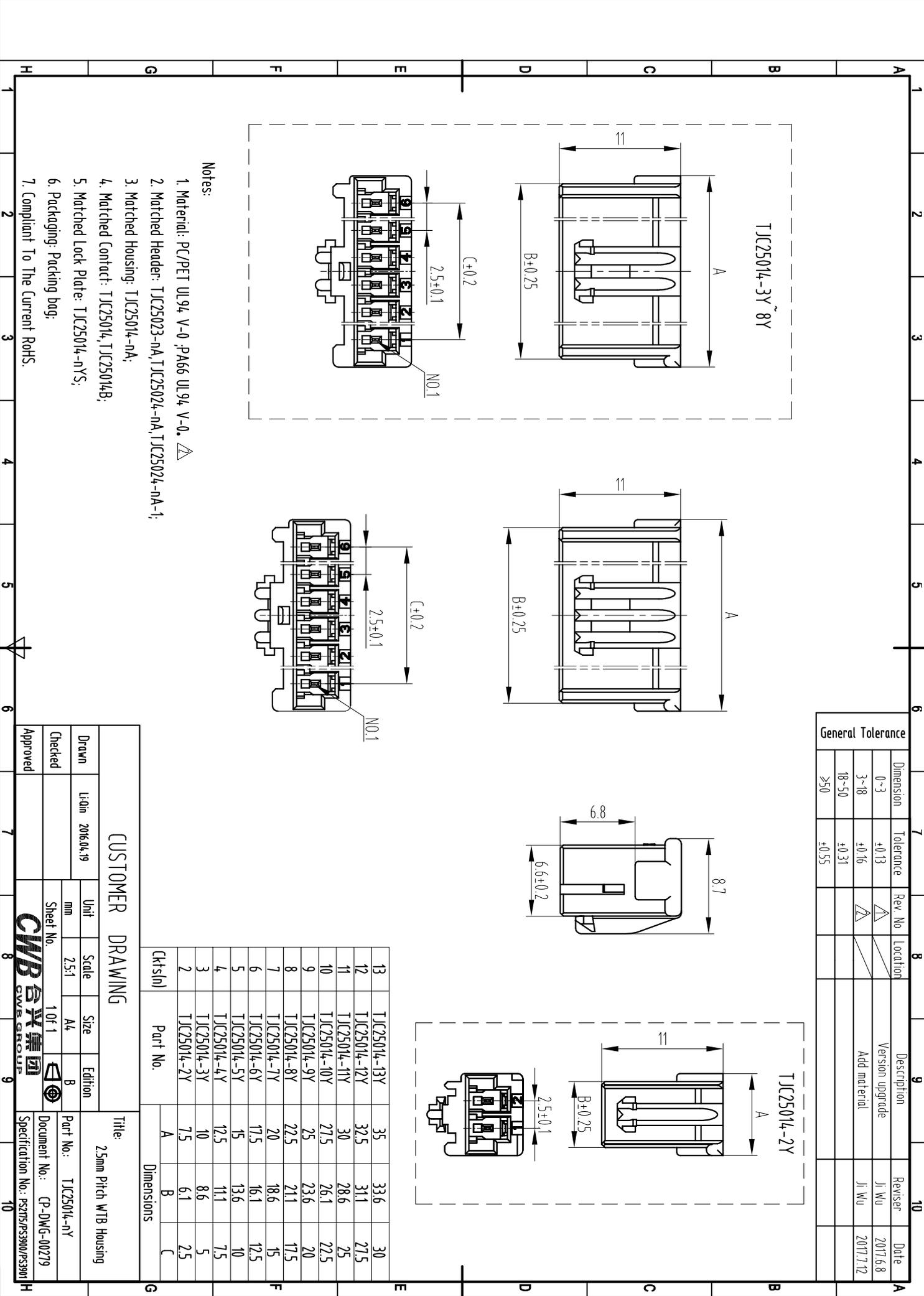
Notes:

1. Material: PC/PET UL94 V-0 ;PA66 UL94 V-0. △
2. Matched Header: TJC25023-nA,TJC25024-nA,TJC25024-nA-1;
3. Matched Housing: TJC25014-nA;
4. Matched Contact: TJC25014,TJC25014B;
5. Matched Lock Plate: TJC25014-nYS;
6. Packaging: Packing bag;
7. Compliant To The Current RoHS.

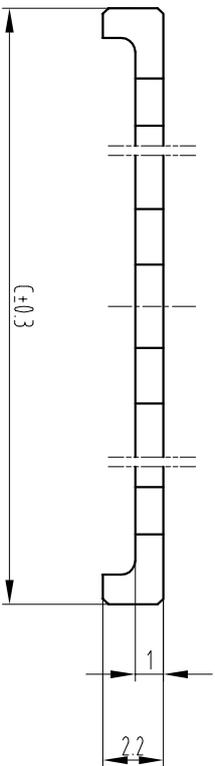
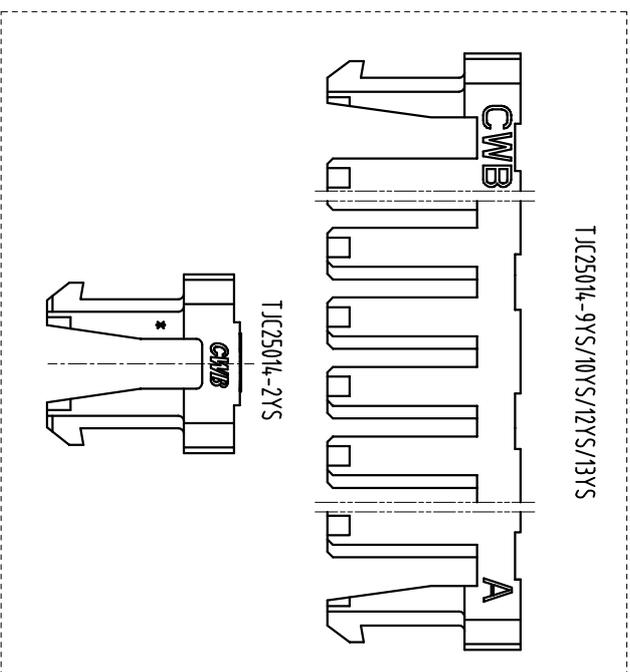
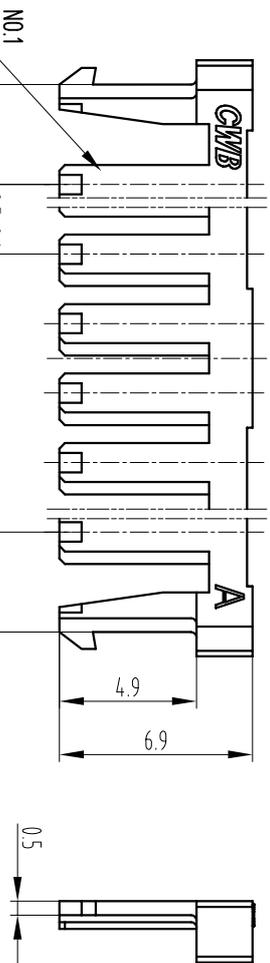
CUSTOMER DRAWING

Title: 25mm Pitch WTB Housing

Drawn	Li:dm	2016.04.19	Unit	mm	Scale	2.5:1	Size	A4	Edition	B	Part No.:	TJC25014-nY
Checked			Sheet No.	1 of 1							Document No.:	CP-DWG-00279
Approved											Specification No.:	PSYTR/PS390/PS390



General Tolerance			
Dimension	Tolerance	Rev. No	Location
0~3	±0.13	Δ	/
3~18	±0.16		
18~50	±0.31		
≥50	+0.55		



Part No.	Dimensions
13	TJC25014-13YS 25 32.2 34
12	TJC25014-12YS 22.5 29.7 31.5
10	TJC25014-10YS 17.5 24.7 26.5
9	TJC25014-9YS 15 22.2 24
8	TJC25014-8YS 12.5 19.7 21.5
7	TJC25014-7YS 10 17.2 19
6	TJC25014-6YS 7.5 14.7 16.5
4	TJC25014-4YS 2.5 9.7 11.5
3	TJC25014-3YS / 1.2 9.0
2	TJC25014-2YS / 4.7 6.5

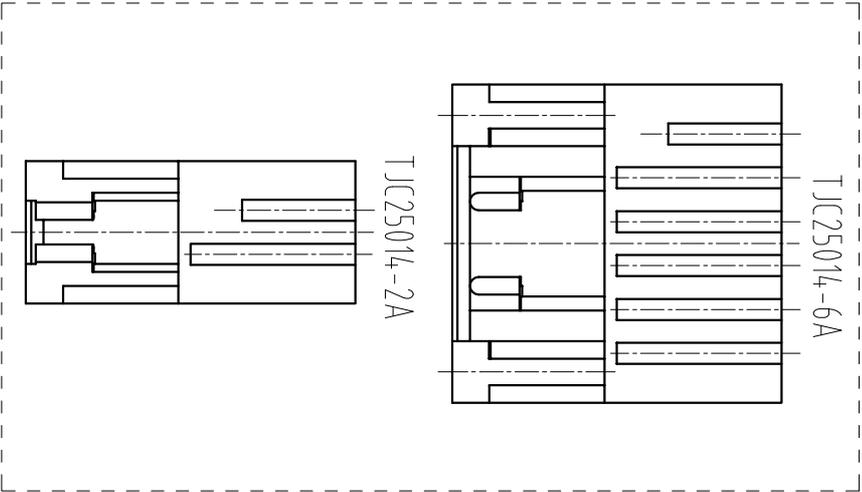
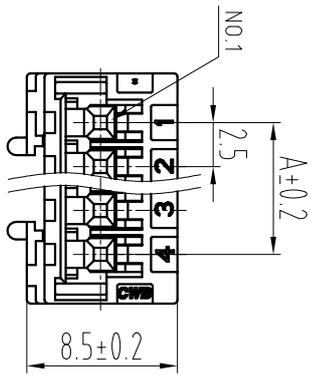
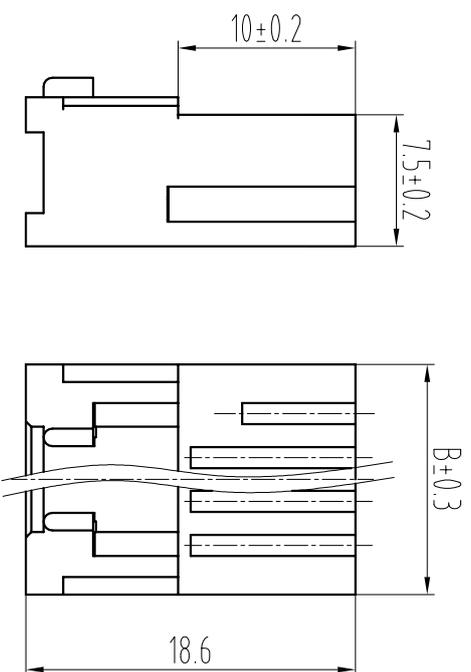
- Notes:
- 1.Material: PA66 UL94 V-0;
  - 2.Matched Housing: TJC25014-nY&TJC25014-nA;
  - 3.Packaging: Packing bag;
  - 4.Compliant To The Current RoHS.

### CUSTOMER DRAWING

Drawn	Li Qin	2016.04.19	Unit	mm	Scale	4:1	Size	A4	Edition	B1	Title:	2.5mm Pitch WT8&WTW Lock Plate
Checked	Qu Wang	2016.06.01	Sheet No.	1 of 1	CWB 台兴集团			Part No.:	TJC25014-nYS	Document No.:	CP-DWG-00280	
Approved	Dongxuliu	2016.06.01	Specification No.:			PS275/PS390/PS391						

CWB 台兴集团

General Tolerance		Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
0~3	±0.13	⊕	/		New PIN	Lingling Zhang	2017.6.23	
3~18	±0.16							
18~50	±0.31							
≥50	±0.55							



Assembly View  
(DIM FYI)

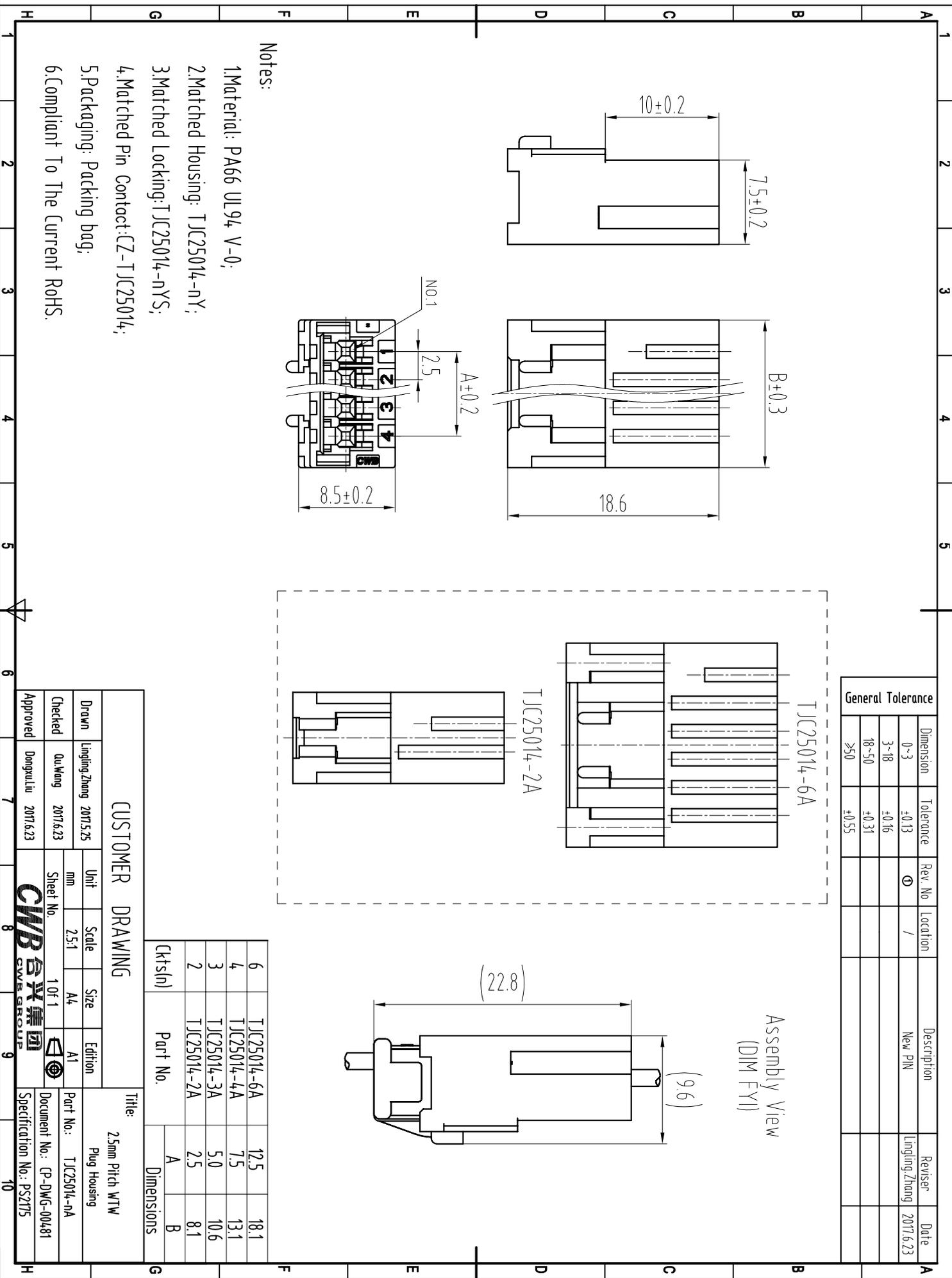
Cts(In)	Part No.	Dimensions	
		A	B
6	TJC25014-6A	12.5	18.1
4	TJC25014-4A	7.5	13.1
3	TJC25014-3A	5.0	10.6
2	TJC25014-2A	2.5	8.1

- Notes:
- 1.Material: PA66 UL94 V-0;
  - 2.Matched Housing: TJC25014-nY;
  - 3.Matched Locking:TJC25014-nYS;
  - 4.Matched Pin Contact:CZ-TJC25014;
  - 5.Packaging: Packing bag;
  - 6.Compliant To The Current RoHS.

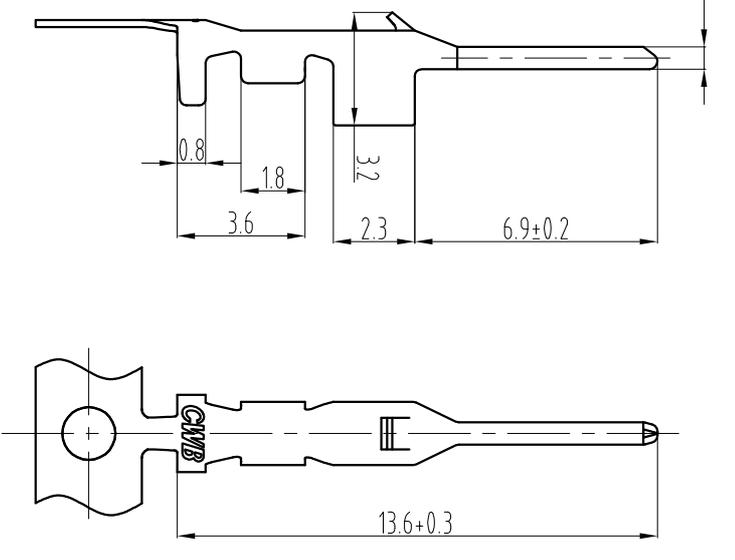
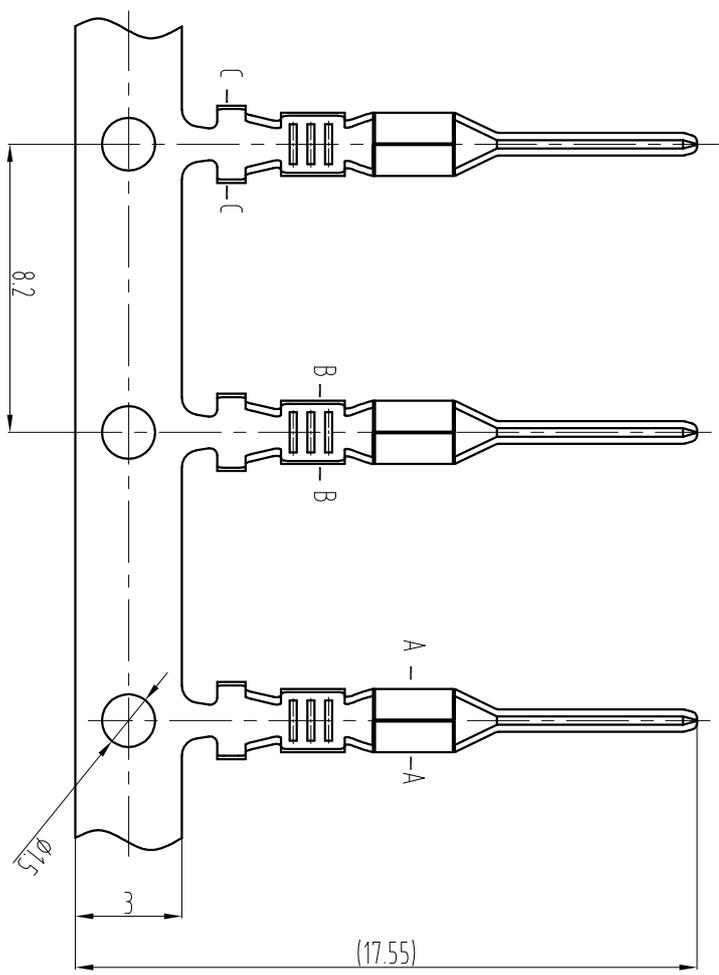
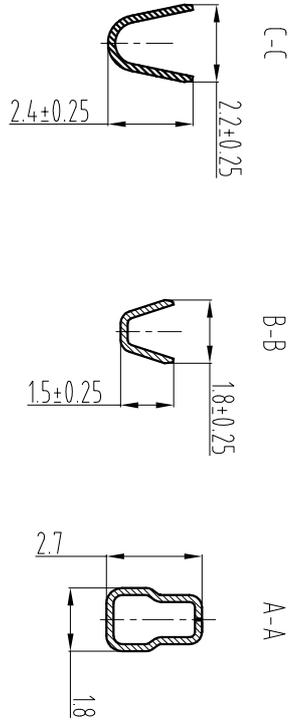
CUSTOMER DRAWING

CUSTOMER DRAWING				Title:	
Drawn	LinglingZhang	2017.5.25	Unit	Scale	Size
Checked	QuWang	2017.6.23	mm	2.5:1	A4
Approved	Dongxuliu	2017.6.23	Sheet No.	1 of 1	Edition
			A1		Part No.:
			⊕		TJC25014-nA
			CWB 合兴集团		Document No.:
			CWB GROUP		CP-DWG-00481
					Specification No.:
					PS2175

25mm Pitch MTW  
Plug Housing



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					



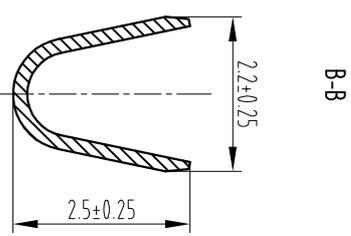
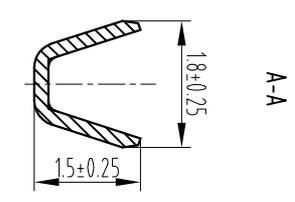
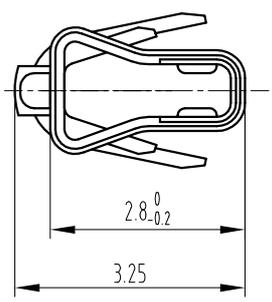
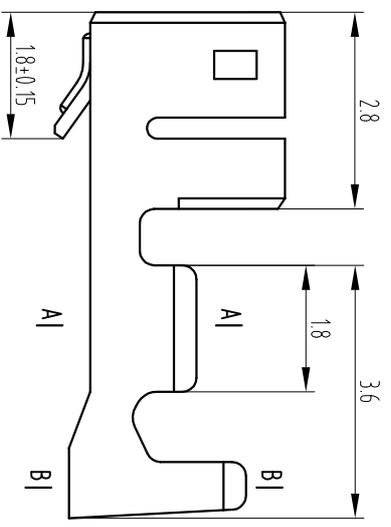
Notes:

1. Material: Brass, Thickness=0.2mm;
2. Surface Finish: Tin over nickel plated;
3. Matched Housing: TJC25014-nA;
4. Conductor Size: AWG22 ~ AWG26
5. Packaging: Paper disc;
6. Compliant To The Current RoHS.

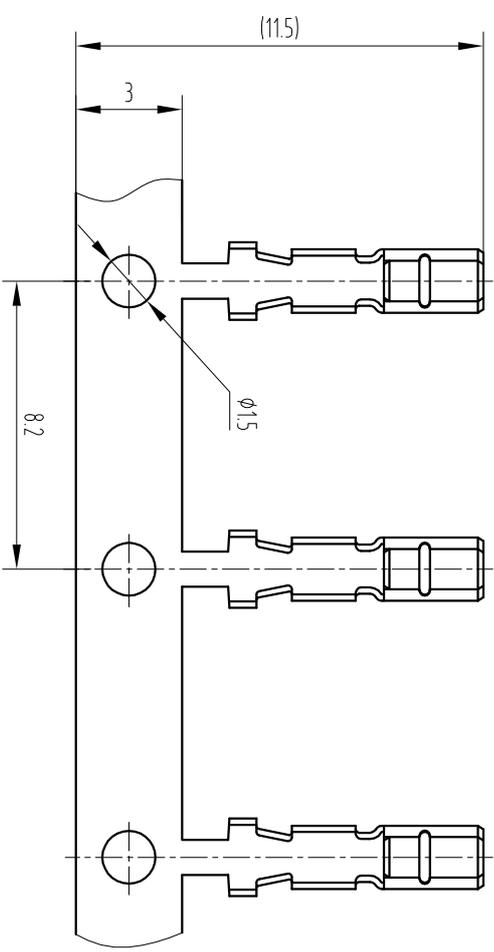
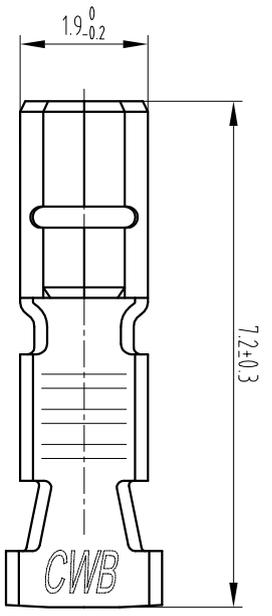
CUSTOMER DRAWING

Drawn		JiWu 2017.6.12	Unit	Scale	Size	Edition	Title
Checked		Qu-Wang 2017.6.15	mm	5:1	A4	B	2.5mm Pitch WTW Pin Contact
Approved		Dongxuliu 2017.6.15	Sheet No.	1 of 1			
			<b>CWB</b> 合兴集团				
			CWB GROUP				
			Part No.:	CZ-TJC25014			
			Document No.:	CP-DWG-00487			
			Specification No.:	PS2175/PS3900/PS3901			

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							



Contact View

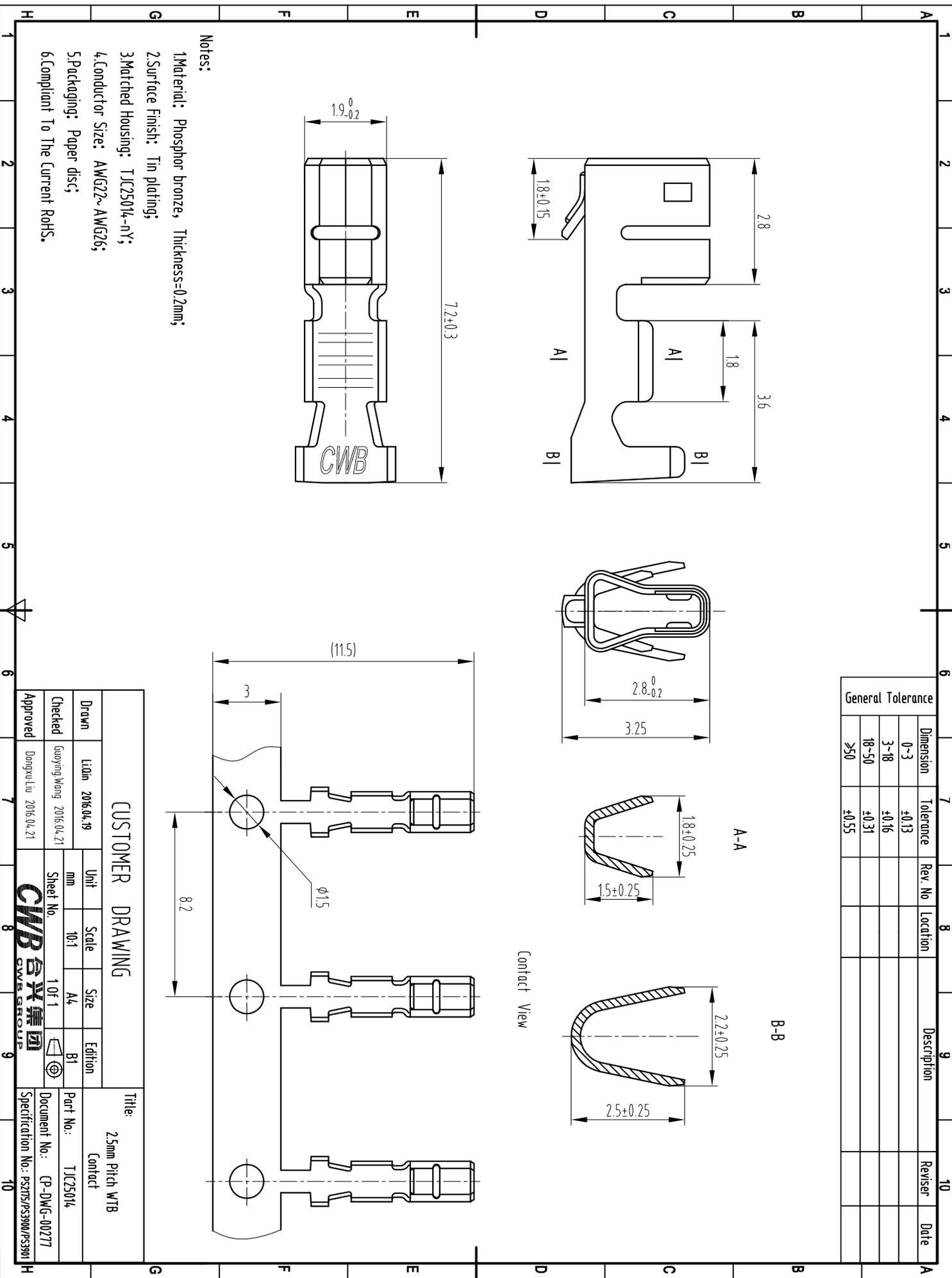


Notes:

1. Material: Phosphor bronze, Thickness=0.2mm;
2. Surface Finish: Tin plating;
3. Matched Housing: TJC25014-nY;
4. Conductor Size: AWG22~AWG26;
5. Packaging: Paper disc;
6. Compliant To The Current RoHS.

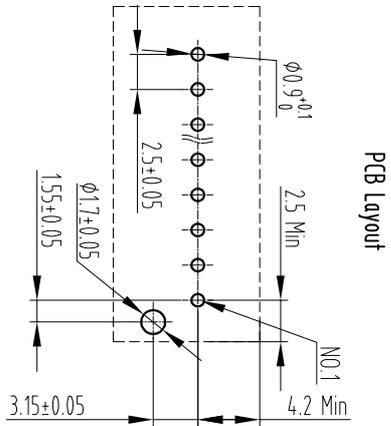
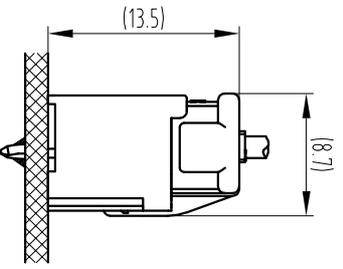
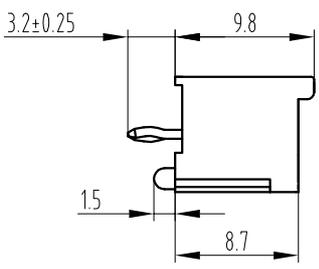
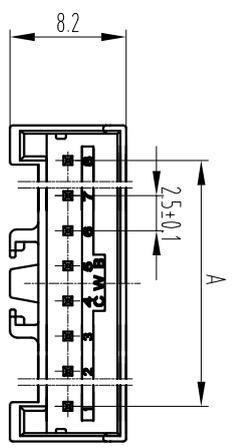
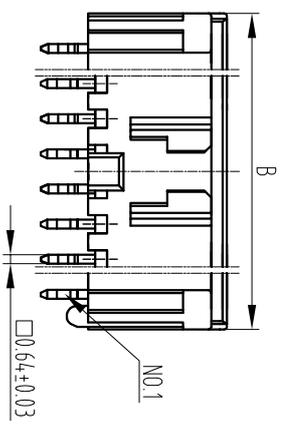
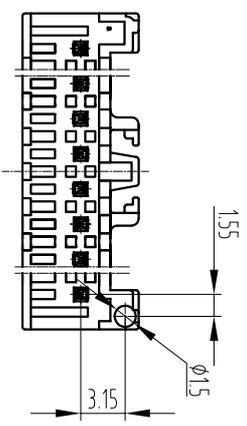
CUSTOMER DRAWING

Drawn		Lidan	2016.04.19	Unit	mm	Scale	10:1	Size	A4	Edition	B1	Title:	25mm Pitch WTB Contact
Checked		Guoying Wang	2016.04.21	Sheet No.	1 of 1							Part No.:	TJC25014
Approved		Dongxuli	2016.04.21									Document No.:	CP-DWG-00277
												Specification No.:	PS275/PS300/PS301





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					



Assembly View  
(DIM FV)

PCB Layout

Part No.	Dimensions
12	TJC25023-12A 21.5 32.5
10	TJC25023-10A 22.5 27.5
8	TJC25023-8A 17.5 22.5
7	TJC25023-7A 15 20
6	TJC25023-6A 12.5 17.5
5	TJC25023-5A 10 15

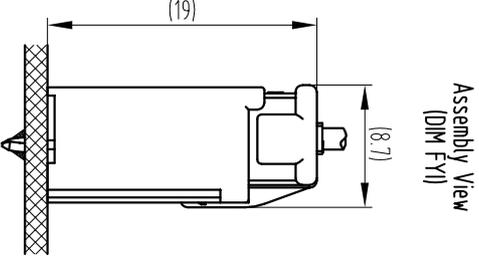
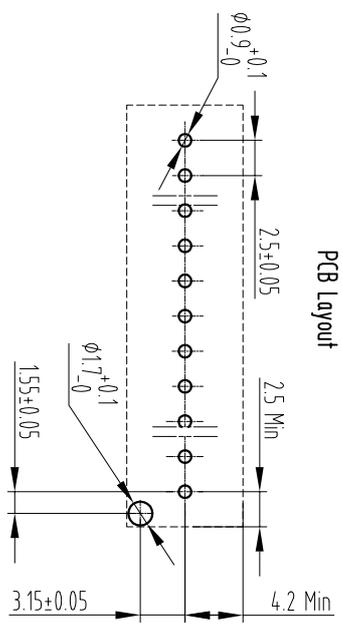
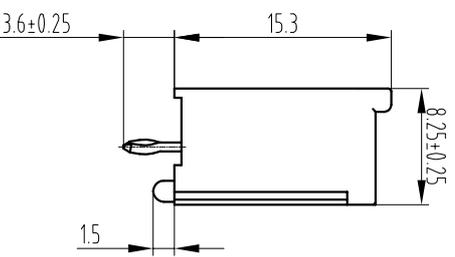
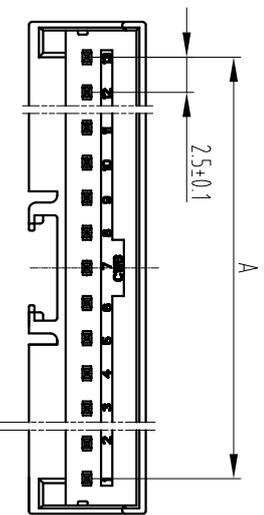
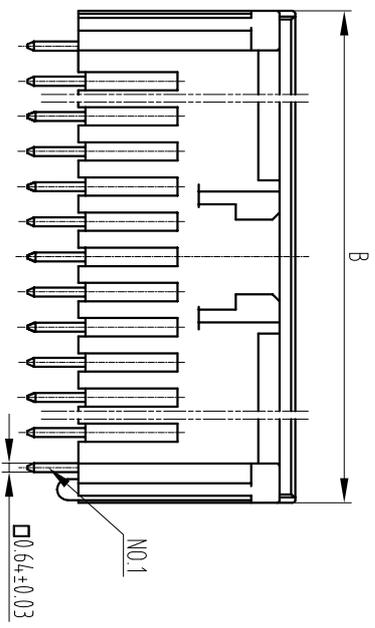
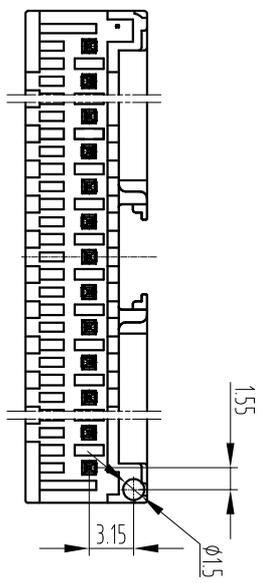
- Notes:
1. Material: PA66 UL94 V-0;
  2. Brass, Tin over nickel plating;
  3. Matched Housing: TJC25014-nY;
  4. Packaging: Packing bag;
  5. Compliant To The Current RoHS.

CUSTOMER DRAWING

Title: 25mm Pitch WTB Header

Drawn	LiBin 2016.04.19	Unit	mm	Scale	2:1	Size	A4	Edition	B	Part No.:	TJC25023-nA
Checked	Guoying Wang 2016.04.21	Sheet No.	1 of 1	CWB 合兴集团		Document No.:	CP-DWG-00189				
Approved	Dongxuli 2016.04.21			CWB GROUP		Specification No.:	PS2175/PS3900				

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					



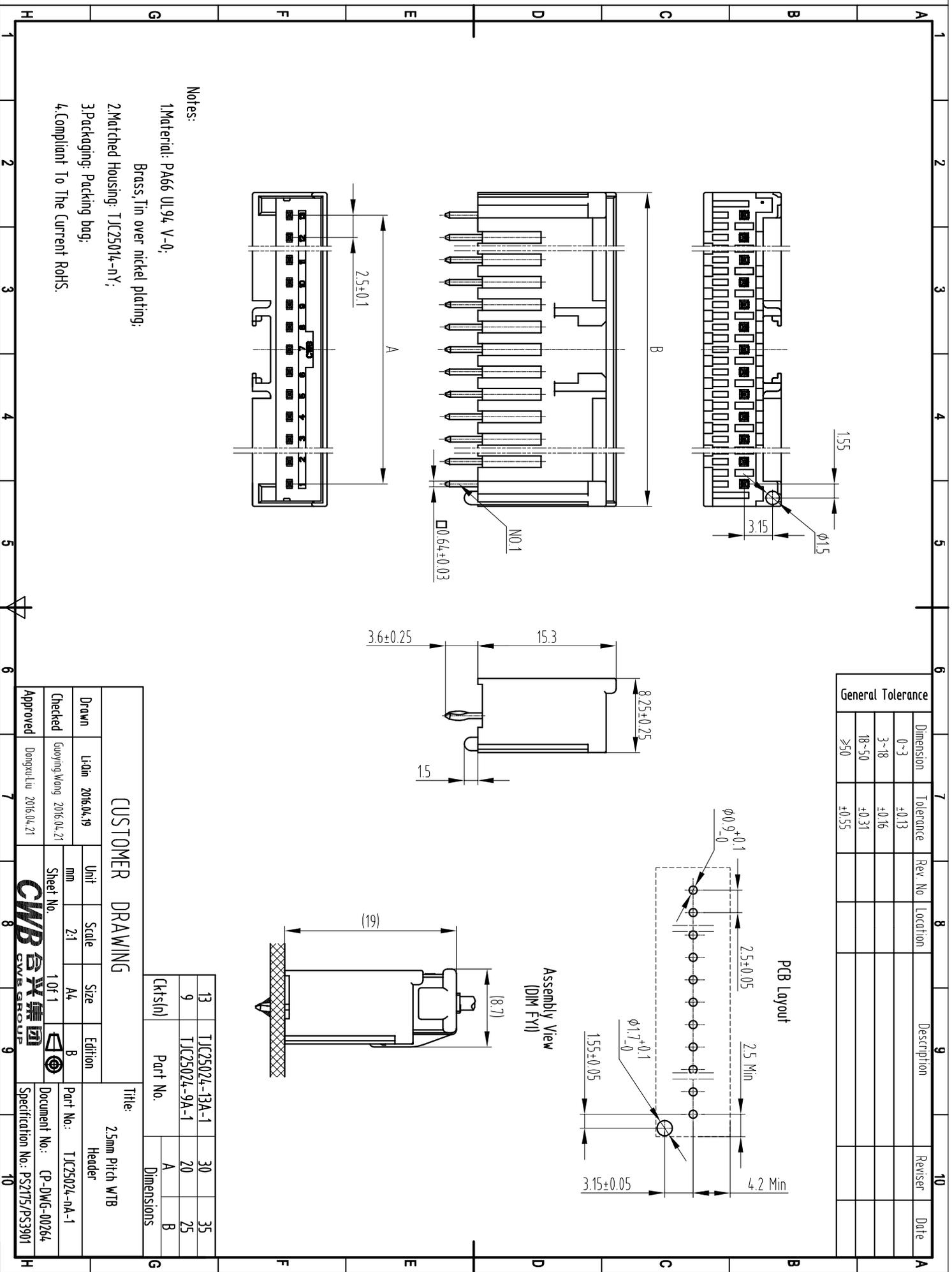
Notes:

- 1. Material: PA66 UL94 V-0;
- Brass, Tin over nickel plating;
- 2. Matched Housing: TJC25024-nY;
- 3. Packaging: Packing bag;
- 4. Compliant To The Current RoHS.

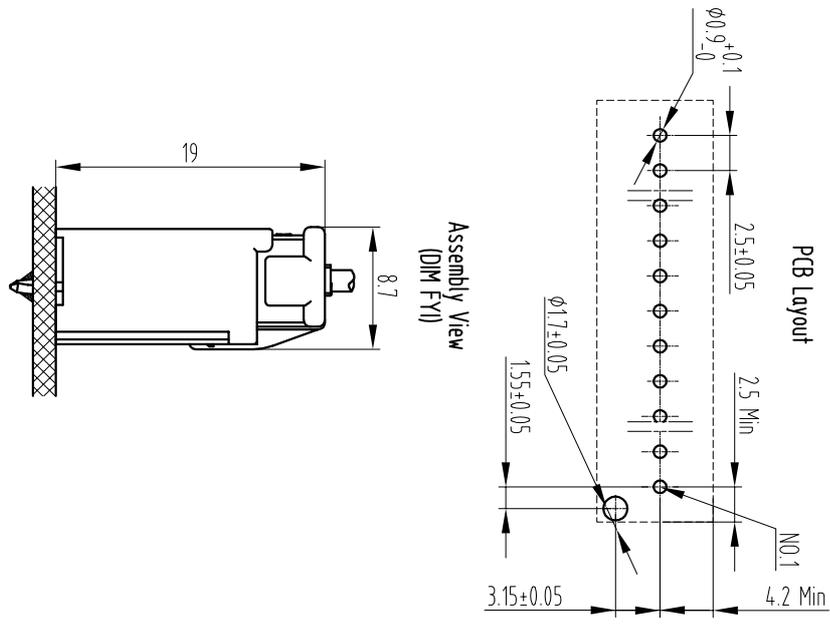
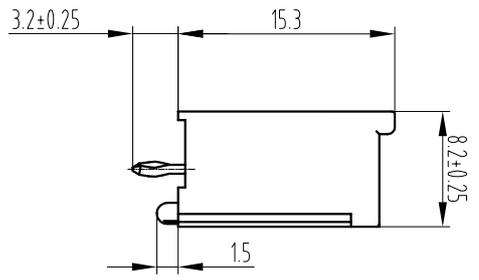
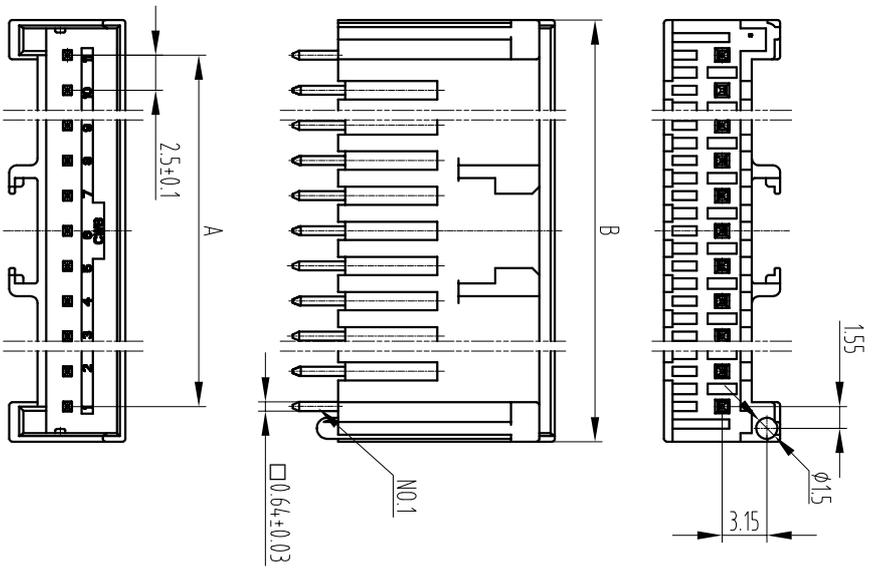
CUSTOMER DRAWING

Drawn	LiBin	2016.04.19	Unit	mm	Scale	2:1	Size	A4	Edition	B	Part No.:	TJC25024-nA-1	Title:	25mm Pitch WTB Header
Checked	Guoying Wang	2016.04.21	Sheet No.	1 of 1										
Approved	Dongxuli	2016.04.21												
												Document No.:	CP-DWG-00264	
												Specification No.:	PS275/PS3901	

Ckt(s/n)	Part No.	Dimensions	
13	TJC25024-13A-1	30	35
9	TJC25024-9A-1	20	25
		A	B



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: PA66 UL94 V-0;
2. Matched Housing: TJC25024-nY;
3. Packaging: Packing bag;
4. Compliant To The Current RoHS.

CUSTOMER DRAWING

Part No.	Dimensions
11	TJC25024-11A 25 30
4	TJC25024-4A 7.5 12.5

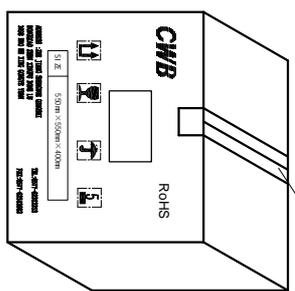
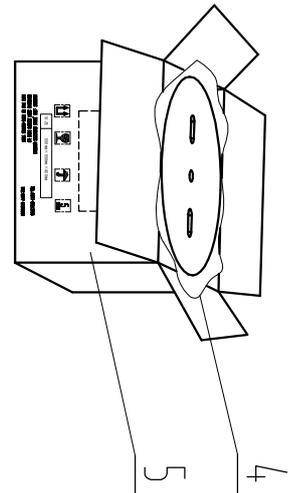
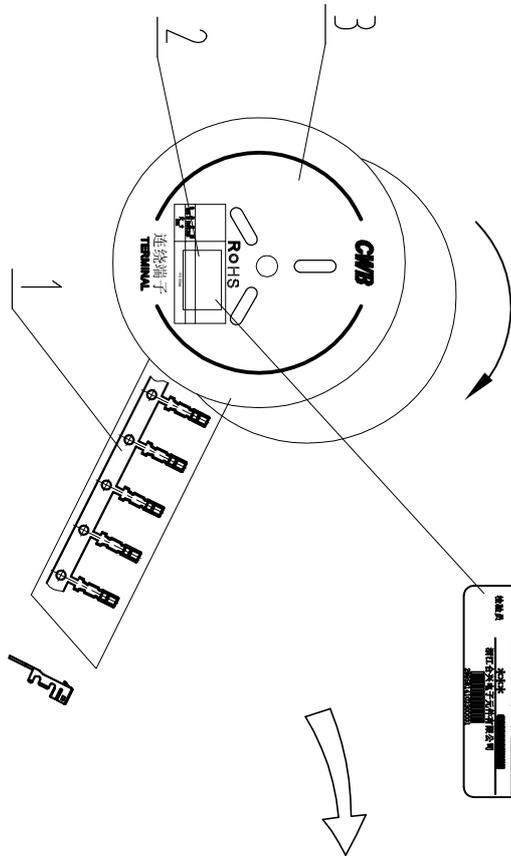
Title: 25mm Pitch WTB Header

Drawn	LiBin 2016.04.19	Unit	mm	Scale	2:1	Size	A4	Edition	B	Part No.:	TJC25024-nA
Checked	Guoying Wang 2016.04.21	Sheet No.	1 of 1	CWB 台兴集团		Document No.:	CP-DWG-00263	Specification No.:		PS2175/PS3901	
Approved	Dongxuli 2016.04.21										



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

CWB 合格证书		RoHS	
规格型号	批次号	生产日期	检验员
客户名称	客户地址	客户电话	客户传真
数量	重量	生产日期	检验员
物料号	批次号	生产日期	检验员



Number	Designation	Remarks
6	Gummy tape	
5	Packing box	1/reel/box
4	Packing bag	
3	Reel	
2	Certificate	
1	TJC25014B Contact	7000pcs/reel
	TJC25014 Contact	

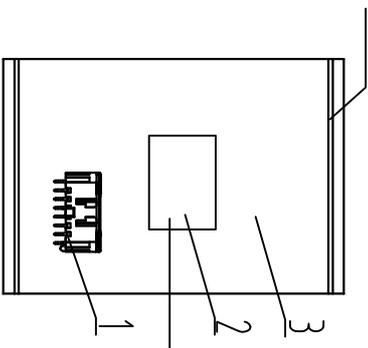
CUSTOMER DRAWING

Drawn	Lian 2016.04.19	Unit	Scale	Size	Edition	Title: Packaging Specification of 25mm Pitch WTB Contact	
Checked	Guoying Wang 2016.04.22	mm	/	A4	B	Part No.:	TJC25014/TJC25014B
Approved	Dongxu Liu 2016.04.22	Sheet No.	1 of 1	CWB 合格集团		Document No.:	BZ-DWG-00151
		CWB GROUP		Specification No.:		PSZ715/PS3900/PS3901	

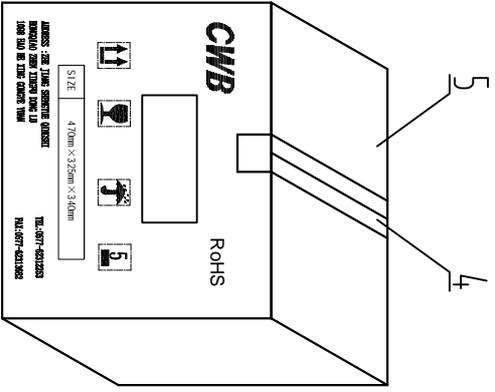
General Tolerance		Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
		0~3	±0.13	△	F9	Add TJC25023-13A connector	Shaozongli	2017.5.10
		3~18	±0.16					
		18~50	±0.31					
		>50	±0.55					

Packing bag

Sealed



Packing box



Number	Designation	Part No.	Res/Bag	Remarks
1	TJC25023 series header	TJC25023-5A	500	
2	Certificate	TJC25023-7A	500	
3	Packing bag	TJC25023-8A	500	
4	Gummed tape	TJC25023-10A	500	
5	Packing box	TJC25023-12A	500	

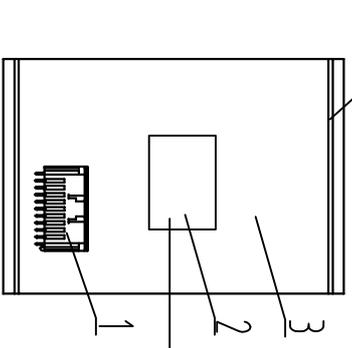
CUSTOMER DRAWING

Drawn	Liao	2016.04.19	Unit	mm	Scale	/	Size	A4	Edition	B	Part No.:	TJC25023-1A	
Checked	Qu Wang	2017.05.22	Sheet No.	1 of 1					Title: Packaging Specification of 2.5mm Pitch WTB Header				
Approved	Dongxuli	2017.05.22	CMB 合兴集团		CMB GROUP				Document No.: BZ-DWG-00153				
										Specification No.: PSX75/PS390			

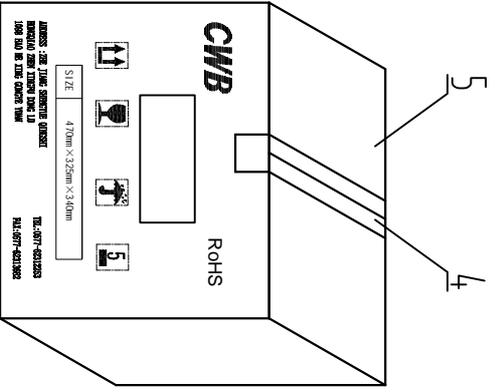
Dimension	Tolerance	Rev. No.	Location	Description	Reviser	Date
0~3	±0.13					
3~18	±0.16					
18~50	±0.31					
>50	±0.55					

Packing bag

Sealed



Packing box



Number	Designation	Part No.	Pcs/bag	Remarks	Part No.	Pcs/bag	Remarks
5	Packing box	TJC25024-11A	500		TJC25024-13A-1	500	
4	Gunned tape	TJC25024-4A	500		TJC25024-9A-1	500	
3	Packing bag						
2	Certificate						
1	TJC25024 Series Header						

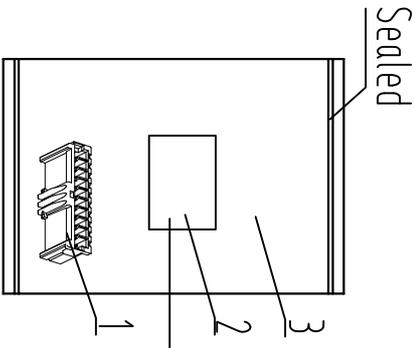
CUSTOMER DRAWING

Title: Packaging Specification of 2.5mm Pitch WTB Header

Drawn	Li Qin	2016.04.19	Unit	mm	Scale	/	Size	A4	Edition	B	Part No.:	TJC25024-nA/TJC25024-nA-1
Checked	Guoying Wang	2016.04.22	Sheet No.	1 of 1							Document No.:	BZ-DWG-00154
Approved	Dongxu Liu	2016.04.22	CWB 合兴集团		CWB GROUP						Specification No.:	PS27175/PS3901

Dimension	Tolerance	Rev. No.	Location	Description	Reviser	Date
0~3	±0.13	Δ	/	New PIN	Lingling Zhong	2017.5.13
3~18	±0.16	Δ	/	New PIN	Lingling Zhong	2017.6.23
18~50	±0.31					
>50	±0.55					

Packing bag

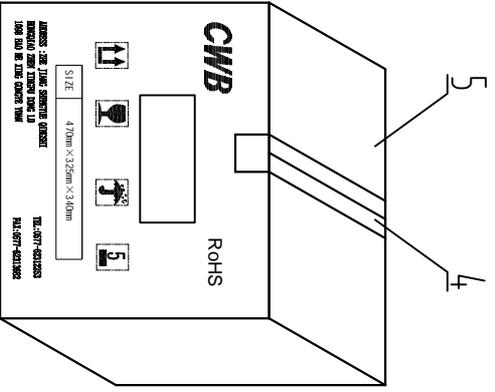


**CMB 合格证** RoHS  
QUALIFIED

规格型号: \*\*\*\*\*  
客户名称: \*\*\*\*\*  
客户料号: \*\*\*\*\*  
批号: \*\*\*\*\*  
数量: \*\*\*\*\*  
生产日期: \*\*\*\*\*  
检验员: \*\*\*\*\*

浙江合兴电子元件有限公司  
2895814102800001

Packing box



Number	Designation	Part No.	Pcs/bag	Remarks	Part No.	Pcs/bag	Remarks	Part No.	Pcs/bag	Remarks
5	Packing box	TJC25014-1BY5	1000	/	TJC25014-1BY	500	/			
4	Gunned tape	TJC25014-1ZY5	1000	/	TJC25014-1ZY	1000	/			
3	Packing bag	TJC25014-10Y5	1000	/	TJC25014-10Y	1000	/			
2	Certificate	TJC25014-8Y5	1000	/	TJC25014-8Y	1000	/			
1	TJC25014 lock plate	TJC25014-6Y5	1000	/	TJC25014-6Y	1000	/			
	TJC25014 Plug Housing	TJC25014-4Y5	1000	/	TJC25014-4Y	1000	/			
	TJC25014 housing	TJC25014-3Y5	1000	/	TJC25014-3Y	1000	/			
	TJC25014 housing	TJC25014-2A	1000	/	TJC25014-2Y	1000	/			

CUSTOMER DRAWING

Drawn	LiQin	2016.04.19	Unit	mm	Scale	/	Size	A4	Edition	B2	
Checked	QiuWang	2017.6.23	Sheet No.	1 of 1	Title: Packaging Specification of 25mm Pitch WTB&TW Housing and lock plate						
Approved	Dongxulin	2017.6.23	CMB 合兴集团			Document No.: BZ-DWG-00152			Specification No.: PS275/PS390/PS390		



### Housing

Ckts	Product No.	Part No.	Material	UL-94 Flammability	Remark
2	340.0967	TJC25014-2YS (NL)	PA66	UL94 V-0 GWT750°C	
2	374.8102	TJC25014-2Y (NL)	PA66	UL94 V-0 GWT650°C	
3	340.0968	TJC25014-3YS (NL)	PA66	UL94 V-0 GWT750°C	
3	374.8100	TJC25014-3Y (NL)	PA66	UL94 V-0 GWT650°C	
4	340.0969	TJC25014-4YS (NL)	PA66	UL94 V-0 GWT750°C	
4	374.8101	TJC25014-4Y (NL)	PA66	UL94 V-0 GWT650°C	
6	340.0352	TJC25014-6YS 本色 917702-1白	PA66	UL94 V-0 GWT650°C	
6	340.0989	TJC25014-6YS (NL)	PA66	UL94 V-0 GWT750°C	
6	312.8816	TJC25014-6Y 917690-1白	PC/PET	UL94 V-0 GWT750°C	
6	374.7001	TJC25014-6Y (WT)	PA66	UL94 V-0 GWT650°C	
7	340.0353	TJC25014-7YS 本色 917703-1白	PA66	UL94 V-0 GWT650°C	
7	312.8817	TJC25014-7Y (RD) 917691-2红	PC/PET	UL94 V-0 GWT750°C	
7	312.8831	TJC25014-7Y (WT)	PC/PET	UL94 V-0 GWT750°C	
9	340.0449	TJC25014-9YS (NL) : 917705	PA66	UL94 V-0	
9	312.9229	TJC25014-9Y (WT) : 917693	PC/PET	UL94 V-0 GWT750°C	
10	340.03541	TJC25014-10YS 本色 917706-1白	PA66	UL94 V-0 GWT650°C	
10	340.099	TJC25014-10YS (NL)	PA66	UL94 V-0 GWT750°C	
10	312.8818	TJC25014-10Y 917694-1白	PC/PET	UL94 V-0 GWT750°C	
10	374.7002	TJC25014-10Y (WT)	PA66	UL94 V-0 GWT650°C	
12	340.0355	TJC25014-12YS 本色 917708-1白	PA66	UL94 V-0 GWT650°C	
12	340.0991	TJC25014-12YS (NL)	PA66	UL94 V-0 GWT750°C	
12	312.8819	TJC25014-12Y (BL) 917696-6蓝	PC/PET	UL94 V-0 GWT750°C	
12	374.7003	TJC25014-12Y (WT)	PA66	UL94 V-0 GWT650°C	
12	374.7005	TJC25014-12Y (RD)	PA66	UL94 V-0 GWT650°C	
13	340.0356	TJC25014-13YS 本色 917709-1白	PA66	UL94 V-0 GWT650°C	
13	340.0992	TJC25014-13YS (NL)	PA66	UL94 V-0 GWT750°C	
13	312.8820	TJC25014-13Y 917697-1白	PC/PET	UL94 V-0 GWT750°C	
13	374.7004	TJC25014-13Y (WT)	PA66	UL94 V-0 GWT650°C	
13	374.7006	TJC25014-13Y (RD)	PA66	UL94 V-0 GWT650°C	