

标题: TJC4501 系列连接器

Title: TJC4501 Connector

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	审核 Check: <u>王国英 2022. 6. 17</u>	编号 Document No.: <u>PS4099</u>
	批准 Approval: <u>刘冬旭 2022. 6. 17</u>	版本 Revision: <u>V5</u>



产品规格书

PRODUCT SPECIFICATION

1.更改履历 Change record

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
V0	/	首版发布 First release	王曲 2021/10/08 Qu.Wang 2021/10/08
V1	/	根据新命名规范更新产品名称和规格 Update specifications and part no according to new naming specifications	汪乃浩 2022/03/10 Naihao.Wang 2022/03/10
V2	/	新增 TJC4501 系列产品 New TJC4501 series products	尹恒 2022/06/17 Heng.Ying 2022/06/17
V3	产品材料信息和产品适用电流有错误 There are errors in product material information and product applicable current	更新导线名称、错误更改 Update wire name, error changes	尹恒 2022/06/17 Heng.Ying 2022/06/17
V4	/	CZ-TJC4501, CH-TJC4501 图纸料带宽度尺寸改为 3.2 CZ-TJC4501, CH-TJC4501 drawing material width is changed to 3.2	徐秋秋 2024/12/04 Qiuqiu.Xu 2024/12/04
V5	/	TJC4501-1S: A/B 标注尺寸纠错; 增加 1/4PIN 尺寸 TJC4501-1S: A/B dimension correction, Increase 1/4PIN dimensions	徐秋秋 2025/07/23 Qiuqiu.Xu 2025/07/23

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 WTW 4.5 阴型 & 阳型电子连接器, 产品名称: TJC4501 系列连接器。

This product specification covers the requirement for WTW 4.5mm pitch Receptacle & Plug connector, which is designed and manufactured by CWB Electronics(ZheJiang) Co.,LTD. P/N: TJC4501 Connector.

3.产品描述 Product description

TJC4501 系列连接器产品为家电连接器产品, 产品部件组成如下:

The TJC4501 series connector designed for home appliances connection. part checklist as following form:

零件名称 Part name	规格型号 Part No.	曾用规格型号 Previous part No.	描述 Description
插簧 Socket contact	CH-TJC4501-** CH-TJC4501-Q1-**	CH-TJC4501	AWG#26~AWG#22
插簧 Socket contact	CH-TJC4501-1-** CH-TJC4501-1Q1-**	CH-TJC4501A	AWG#20~AWG#16
插针 Pin contact	CZ-TJC4501-** CZ-TJC4501-Q1-**	CZ-TJC4501	AWG#26~AWG#22
插针 Pin contact	CZ-TJC4501-1-** CZ-TJC4501-1Q1-**	CZ-TJC4501A	AWG#20~AWG#16
针座(含锁紧片保持结构) Receptacle housing (W/Retainer)	TJC4501- nAR (**-*)	TJC4501-nA-1	Product before update: Insulation diameter of applicable wire: 2.8mm Max PA66 UL94V-0
针座(含锁紧片保持结构) Receptacle housing (W/Retainer)	TJC4501B-nAR (**-*)	TJC4501A-nA-1	The updated product: Insulation diameter of applicable wire:3.15mm Max PA66 UL94V-0
针座(含锁紧片保持结构) Receptacle housing (W/Retainer)	TJC4501B-m×nAR (**-*)	TJC4501A-nA-1	The updated product: Insulation diameter of applicable wire:3.15mm Max PA66 UL94V-0
针座(面板安装, 含锁紧片保持结构) Receptacle housing (Panel mount, W/Retainer)	TJC4501-nARP (**-*)	TJC4501-nA	Product before update: Insulation diameter of applicable wire: 2.8mm Max PA66 UL94V-0 / PA66 UL94V-0 GWT750°C
针座(面板安装, 含锁紧片保持结构) Receptacle housing (Panel mount, W/Retainer)	TJC4501-m×nARP (**-*)	TJC4501-nA	Product before update: Insulation diameter of applicable wire: 2.8mm Max PA66 UL94V-0 / PA66 UL94V-0

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			GWT750°C
针座(面板安装, 含锁紧片保持结构) Receptacle housing (Panel mount, W/Retainer)	TJC4501B-nARP *(***)	TJC4501A-nA	The updated product: Insulation diameter of applicable wire:3.15mm Max PA66 UL94V-0
针座(面板安装, 含锁紧片保持结构) Receptacle housing (Panel mount, W/Retainer)	TJC4501B-m×nARP *(***)	TJC4501A-nA	The updated product: Insulation diameter of applicable wire:3.15mm Max PA66 UL94V-0
孔座(含锁紧片保持结构) Plug housing (W/Retainer)	TJC4501-nY *(***)	TJC4501-nY	Product before update: Insulation diameter of applicable wire: 2.8mm Max PA66 UL94V-0 /PA66 UL94V-0 GWT750°C
孔座(含锁紧片保持结构) Plug housing (W/Retainer)	TJC4501-m×nY *(***)	TJC4501-nY	Product before update: Insulation diameter of applicable wire: 2.8mm Max PA66 UL94V-0 /PA66 UL94V-0 GWT750°C
孔座(含锁紧片保持结构) Plug housing (W/Retainer)	TJC4501B-nY *(***)	TJC4501A-nY	The updated product: Insulation diameter of applicable wire:3.15mm Max PA66 UL94V-0
孔座(含锁紧片保持结构) Plug housing (W/Retainer)	TJC4501B-m×nY *(***)	TJC4501A-nY	The updated product: Insulation diameter of applicable wire:3.15mm Max PA66 UL94V-0
锁紧片 Retainer	TJC4501-nS *(***)	TJC4501-nAS	PA66 UL94V-0 GWT750°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, 以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, 以本规格书要求为优先。

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 环境试验 概述和指南

Environmental testing — General and guidance

GB/T 2423 环境试验 试验方法

Environmental testing — Test methods

GB/T 2424 环境试验 支持文件及导则

Environmental testing — Supporting documentation and guidance

GB/T 5095 电子设备机电元件基本试验规程及测量方法

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产品规格书

PRODUCT SPECIFICATION

Electromechanical components for electronic equipment Basic testing procedures and measuring methods

EIA-364

EIA-364 系列标准

EIA-364 series standards

IPC EIA IPC JEDEC J STD 002E 连接器 / 插座终端可焊性测试方法

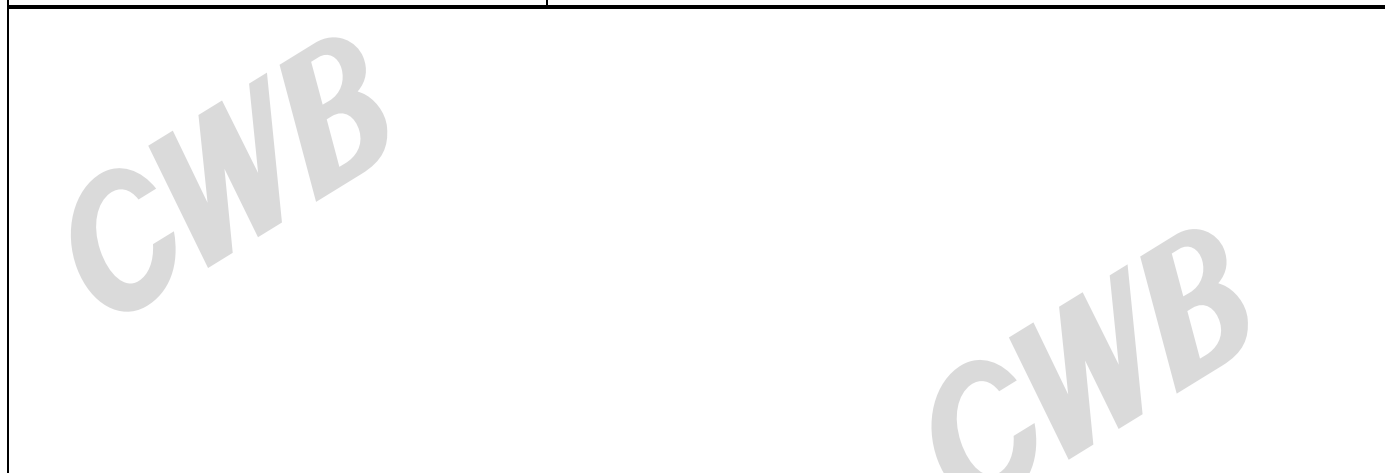
Solderability Tests for Component Leads, Terminations, Lugs, Terminals and Wires

产品符合 RoHS 标准。

The product should comply with RoHS.

5.参数范围 Parameter ratings:

额定电流 [AC(有效值)/DC] Rated current [AC(rms)/DC]	CH-TJC4501 CZ-TJC4501 CH-TJC4501-1 CZ-TJC4501-1	CH-TJC4501-Q1 CZ-TJC4501-Q1 CH-TJC4501-1Q1 CZ-TJC4501-1Q1
	AWG#16: 3A	AWG#16: 10A AWG#18: 7A AWG#20: 5A AWG#22~AWG#26: 3A
额定电压[AC(有效值)/DC] Rated voltage [AC(rms)/DC]	300V	
使用温度范围 (包含温升) Operating temperature range (include temperature rise)	-25°C~+90°C	
适用线型 (具体适用线型请参考压接规格书) Applicable wires(Please refer to the crimping specification for details)	CH-TJC4501/CZ-TJC4501/CH-TJC4501-Q1/CZ-TJC4501-Q1: Wire size: AWG#26~AWG#22(0.13mm [±] 0.33 mm) Insulation diameter: Φ1.3mm-Φ1.6mm	
	CH-TJC4501-1/CZ-TJC4501-1/CH-TJC4501-1Q1/CZ-TJC4501-1Q1: Wire size: AWG#20~AWG#16(0.52mm [±] 1.3 mm) Insulation diameter: Φ1.8mm-Φ2.35mm	



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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 eyes 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 5095.2 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	端子插入力与固定力 Insertion force and retention force for contact	应测量将端子沿轴线方向插入孔座和拔出孔座的力, 测试速度不大于25 mm/min.。 The force of inserting and pulling the contact into and out of the housing along the axis shall be measured (Testing speed: <25 mm/min.) GB/T 5095.8 Method 15d / EIA-364-29B	插入力 (最大值) Insertion force(Max.)	固定力 (最小值) Retention force (Min.)		
			6.9N	29.4N		
6.1.3	压着部位抗张强度 Crimp tensile strength	在已压接端子的头部和导线上施加拉力, 并测量将导线从端子拉出或导线断裂所需的力, 测试速度不大于 25 mm/min.。 Pulling load shall be applied to a correctly crimped contact and a wire. The load required to pull the wire out of the contact or break the wire shall be measured. (Testing speed: <25 mm/min.) GB/T5095.8 Method 16d / EIA-364-08B	AWG#16: 98.0N Min. AWG#18: 78.4N Min. AWG#20: 63.7N Min. AWG#22: 44.1N Min. AWG#24: 29.4N Min. AWG#26: 19.6N Min			
6.1.4	锁扣强度 Lock strength	固定连接器和测力计, 在连接器轴线方向将配合后的连接器拔出, 速度不大于25 mm/min., 测量时连接器应无端子或端子不影响锁扣强度的测量结果。 Apply axial withdraw force on the connector which without contact or the contacts shall not affect lock strength at a rate less than 25 mm/min. GB/T 5095.8 Method 15f / EIA-364-29B	29.4N Min.			
6.1.5	成品插入力与拔出力 (去锁扣) Insertion force and withdrawal force (without lock)	将装有已压接端子的孔座与阳连接器做插入和拔出, 测量首次插入力、首次拔出力及第10次拔出力, 测试速度不大于25 mm/min.。 A housing with crimped contacts and a header shall be mated and unmated on the mating axis. Initial insertion and withdrawal forces and withdrawal force at 10th. shall be measured. (Testing speed: <25 mm/min.) GB/T 5095.7 Method 13b / EIA-364-13B	首次插入力 (Insertion)Max. 1st	首次拔出力 (Withdrawal)Min. 1st	10 次拔出力 (Withdrawal)Min. 10th	
			小于 9.8N×接触件数 9.8 N Max×No. of poles.	大于 1.5N×接触件数 1.5 N Min×No. of poles.	大于 1N×接触件数 1 N Min×No. of poles.	
6.1.6	机械振动 Vibration	插合连接器, 串联在直流电源上, 电流100 mA; 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1.52 mm。沿XYZ三轴正反方向各循环2小时。 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. Cycling time: 1min. Amplitude: 1.52 mm. GB/T 5095.4 Method 6d / EIA-364-28D	外观: 无损伤 (参照6.1.1) Appearance: no damage.(refer to 6.1.1) 接触电阻: 20mΩ Max. Contact resistance: 20mΩ Max. 电流中断时间: 1μsec Max Current interruption: 1μsec Max			
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6.1.7	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 ² 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 ² Duration: 11ms GB/T 5095.4 Method 6c / EIA-364-27B	外观: 无损伤(参照6.1.1) Appearance: no damage.(refer to 6.1.1) 电流中断时间: 1μsec Max Current interruption: 1μsec Max
6.1.8	机械寿命 Durability	以每分钟 10 次的速度插拔 50 次 50 cycles for mating and unmating test at the speed of 10 cycles per minute GB/T 5095.5 Method 9a / EIA-364-09C	外观: 无损伤(参照6.1.1) Appearance: no damage. (refer to 6.1.1) 接触电阻: 10mΩ Max. Contact resistance: 10mΩ Max.

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 GB/T 5095.2 Method 2a / EIA-364-23B	7mΩ Max. (Initial)
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. GB/T 5095.2 Method 3a / EIA-364-21C	1000 MΩ Min. (Initial) 500 MΩ Min. (Final)
6.2.3	耐电压 Withstand voltage	相邻接触件之间或地线之间施加 1500V AC (有效值),漏电流 1mA 的电压作用,时间 1min. Apply a voltage of 1500V AC (rms) and leakage current of 1mA between adjacent contacts or ground cables for 1 minute. GB/T 5095.2 Method 4a / EIA-364-20B	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. GB/T 5095.3 Method 5a / EIA-364-70A	Δ30°C Max.

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 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) 接触电阻: 10mΩ Max. Contact resistance: 10mΩ Max. 绝缘电阻: 500 MΩ Min. Insulation resistance: 500 MΩ Min. 耐电压: 1000V Min. Withstand voltage: 1000V Min.

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6.3.2	耐低温 Cold resistance	连接器配合后, 于 (-25±2)℃ 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 (-25±2) °C for 240hours, 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) 接触电阻: 10mΩ Max. Contact resistance: 10mΩ Max. 绝缘电阻: 500 MΩ Min. Insulation resistance:500 MΩ Min. 耐电压: 1000V Min. Withstand voltage: 1000V Min.															
6.3.3	恒定湿热 Humidity	温度(40±2)℃, 相对湿度(90~95)% 搁置时间 240 小时, 取出恢复 (1~2) 小时后检查. Mated connectors exposed to the condition of temperature (40±2)°C, humidity (90~95)% for 240 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) 接触电阻: 10mΩ Max. Contact resistance: 10mΩ Max. 绝缘电阻: 500 MΩ Min. Insulation resistance:500 MΩ Min. 耐电压: 1000V Min. Withstand voltage: 1000V Min.															
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±2)℃的恒温条件下放置 0.5 小时; b) 在(85±2)℃的恒温条件下放置 0.5 小时; 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 (1~2) 小时后检查 Mated connectors shall be tested under the following conditions <table><tr><th></th><th>Temperature °C</th><th>Duration</th></tr><tr><td>1</td><td>-55 ±2</td><td>0.5h</td></tr><tr><td>2</td><td>Room Temp.</td><td>5 minutes Max.</td></tr><tr><td>3</td><td>+85 ±2</td><td>0.5h</td></tr><tr><td>4</td><td>Room Temp.</td><td>5 minutes Max.</td></tr></table> Step 1 to 4 is one cycle,25 cycles shall be tested, recovery time (1~2) hours GB/T 5095.6 method 11d / EIA-364-32C		Temperature °C	Duration	1	-55 ±2	0.5h	2	Room Temp.	5 minutes Max.	3	+85 ±2	0.5h	4	Room Temp.	5 minutes Max.	外观: 无损伤 (参照6.1.1) Appearance: no damage. (refer to 6.1.1) 接触电阻: 10mΩ Max. Contact resistance: 10mΩ Max. 绝缘电阻: 500 MΩ Min. Insulation resistance:500 MΩ Min. 耐电压: 1000V Min. Withstand voltage: 1000V Min.
	Temperature °C	Duration																
1	-55 ±2	0.5h																
2	Room Temp.	5 minutes Max.																
3	+85 ±2	0.5h																
4	Room Temp.	5 minutes Max.																
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±1)%(质量百分比)的氯化钠溶液, 在(35±2)℃温度下连续雾化 48 小时, 试验后用流动的蒸馏水轻轻洗去表面沉积物。在常温常湿条件下恢复 (1~2) 小时 48 hours spray, at temp (35±2)°C, NaCl mist concentration (5±1)%. After test wash parts and put it into room ambient for (1~2) hours GB/T 5095.6 Method 11f /EIA-364-26B	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: 10mΩ Max. Contact resistance: 10mΩ Max.															
6.3.6	工业气体(氨气) Industrial gas(Ammonia) (NH ₃)	连接器在每升容积内含25毫升3%氨溶液的氨气箱中暴露7小时 After 7 hours exposure in ammonia chamber with 25 mL of 3% ammonia solution for every liter of chamber capacity	无应力腐蚀开裂 No stress corrosion cracking															
6.3.7	硫化氢气体测试 (H ₂ S gas test)	连接器配合后, 在温度 (40±3) °C、湿度 75%、H ₂ S 气体浓度为 3ppm 的环境中放置 96 小时 Mated connectors exposed to the condition of temperature (40±3)°C, humidity 75%, H ₂ S gas concentration of 3ppm for 96 hours	接触电阻: 10mΩ Max. Contact resistance: 10mΩ Max.															

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Product name

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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
外观 Appearance	1	1	1	1,5	1,3	1,5	1	1,7	1,7	1,7	1,7	1,3	1,3	1,5
端子的插入力与固定力 Insertion force and retention force for 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 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	5			
耐电压 Withstand voltage								6	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												2		
工业气体(氨气)Industrial gas(Ammonia)(NH ₃)													2	
硫化氢气体测试 (H ₂ S gas test)														3

产品名称
Product name

TJC4501 系列连接器

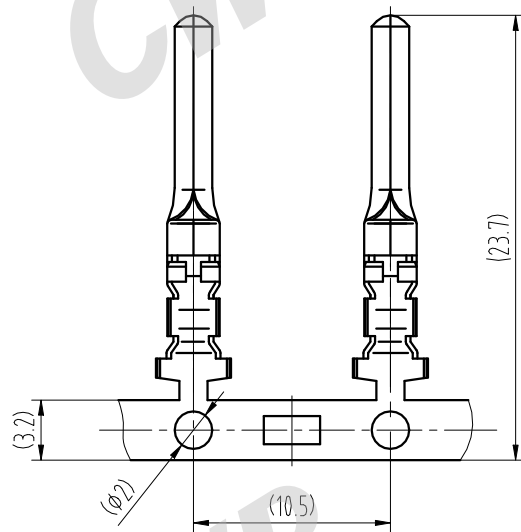
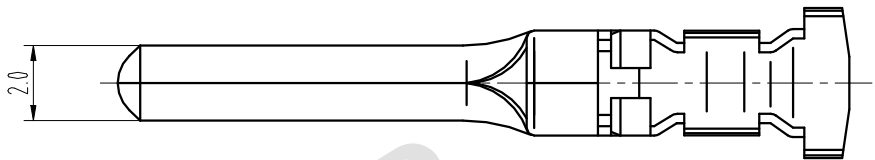
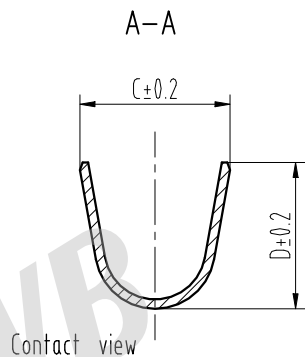
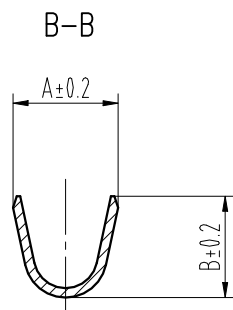
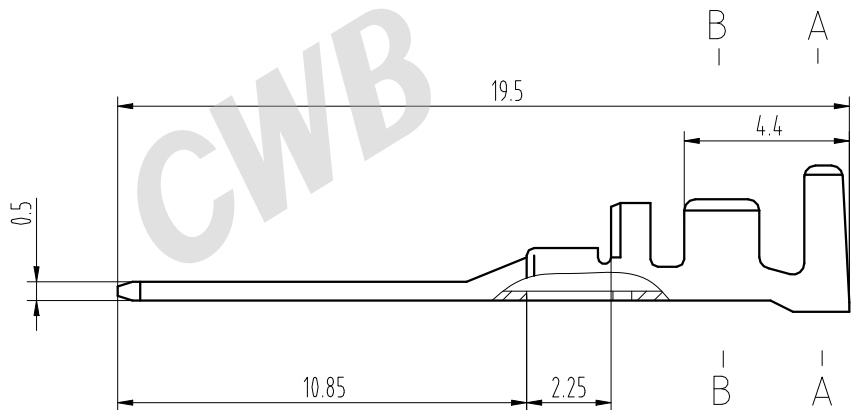
编号
Document No.

PS4099

版本号
Version No.

V5

General tolerance	Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
	0~3	±0.13	△	/	Tape width is changed to 3.2	Qiuqiu.Xu	2024-12-4
	3~18	±0.23					
	18~50	±0.35					
	≥50	±0.55					



Notes:

1.material:

Standards: phosphor bronze; thickness=0.25mm

Others: high performance phosphor bronze; thickness=0.25mm

2.Surface finish: tin plated

3.Matched receptacle housing: TJC4501-nARP, TJC4501B-nARP, TJC4501-nAR, TJC4501B-nAR

TJC4501-mXnARP, TJC4501B-mXnARP, TJC4501B-mXnAR

4.Applicable wires:

CZ-TJC4501/CZ-TJC4501-Q1:AWG#26~ AWG#22

CZ-TJC4501-1/CZ-TJC4501-1Q1:AWG#20~ AWG#16

5.Compliant to the current RoHS

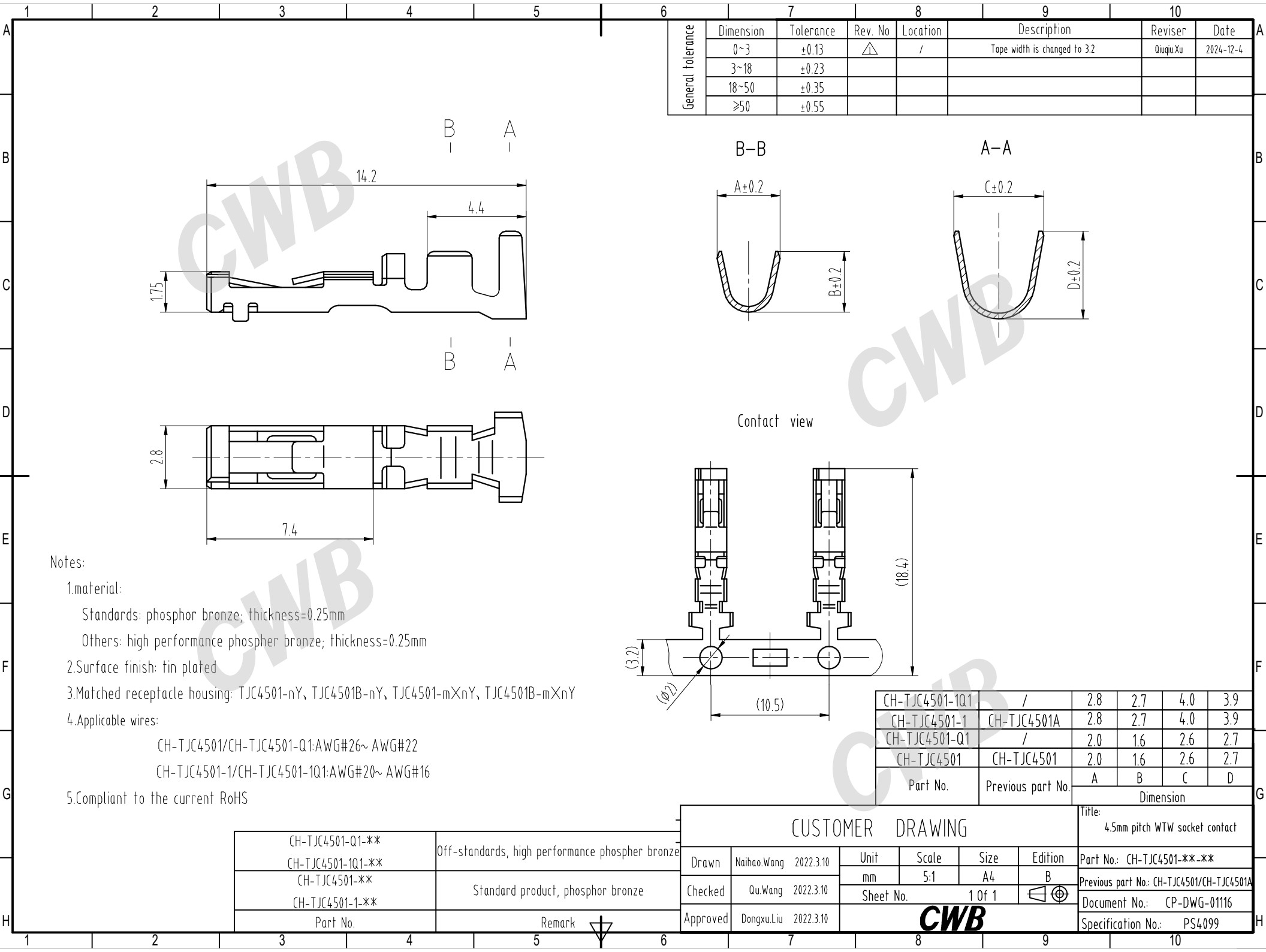
CZ-TJC4501-Q1-**	Off-standard, high performance phosphor bronze
CZ-TJC4501-1Q1-**	
CZ-TJC4501-**	
CZ-TJC4501-1-**	Standards, phosphor bronze
Part No.	Remark

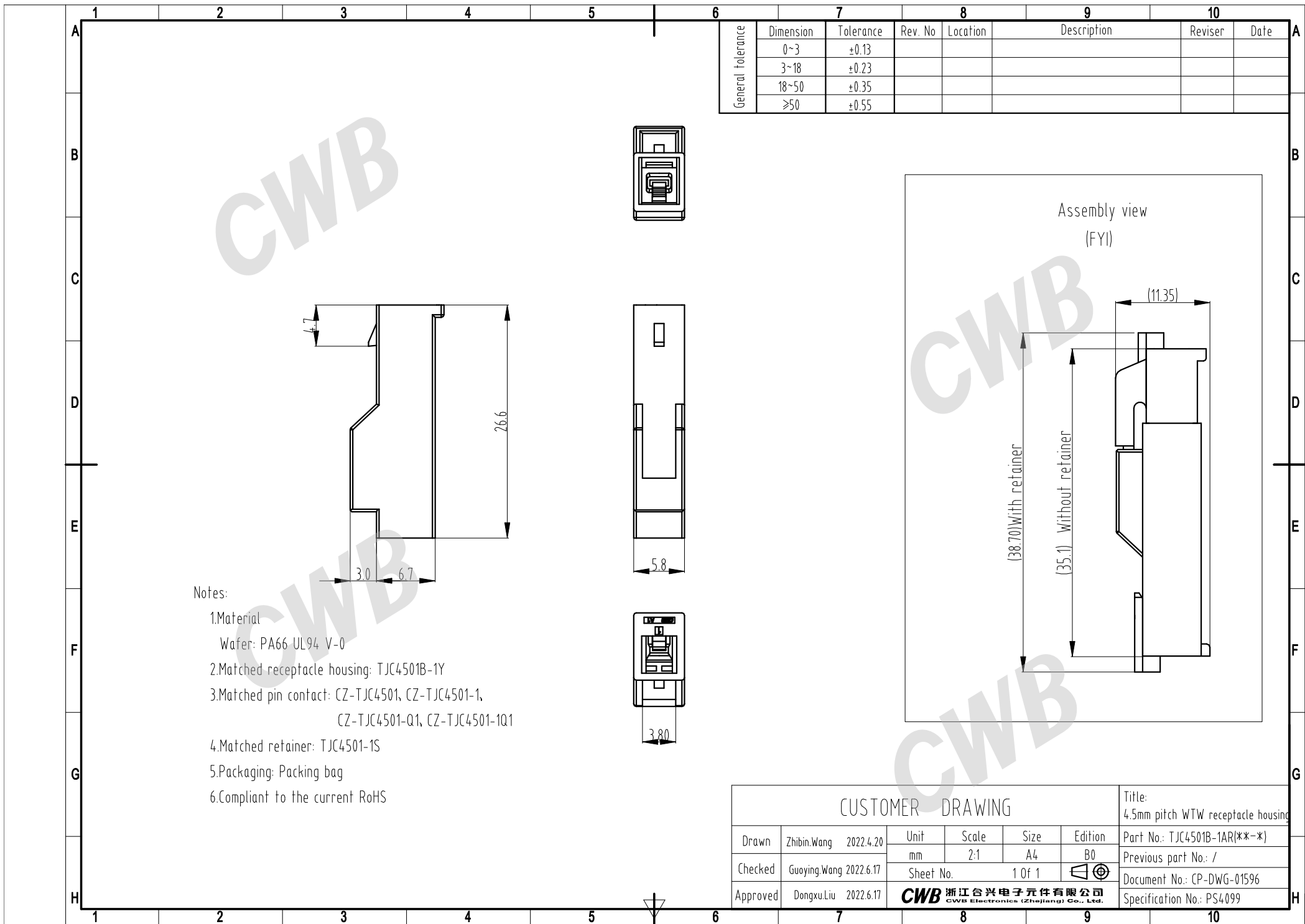
CUSTOMER DRAWING

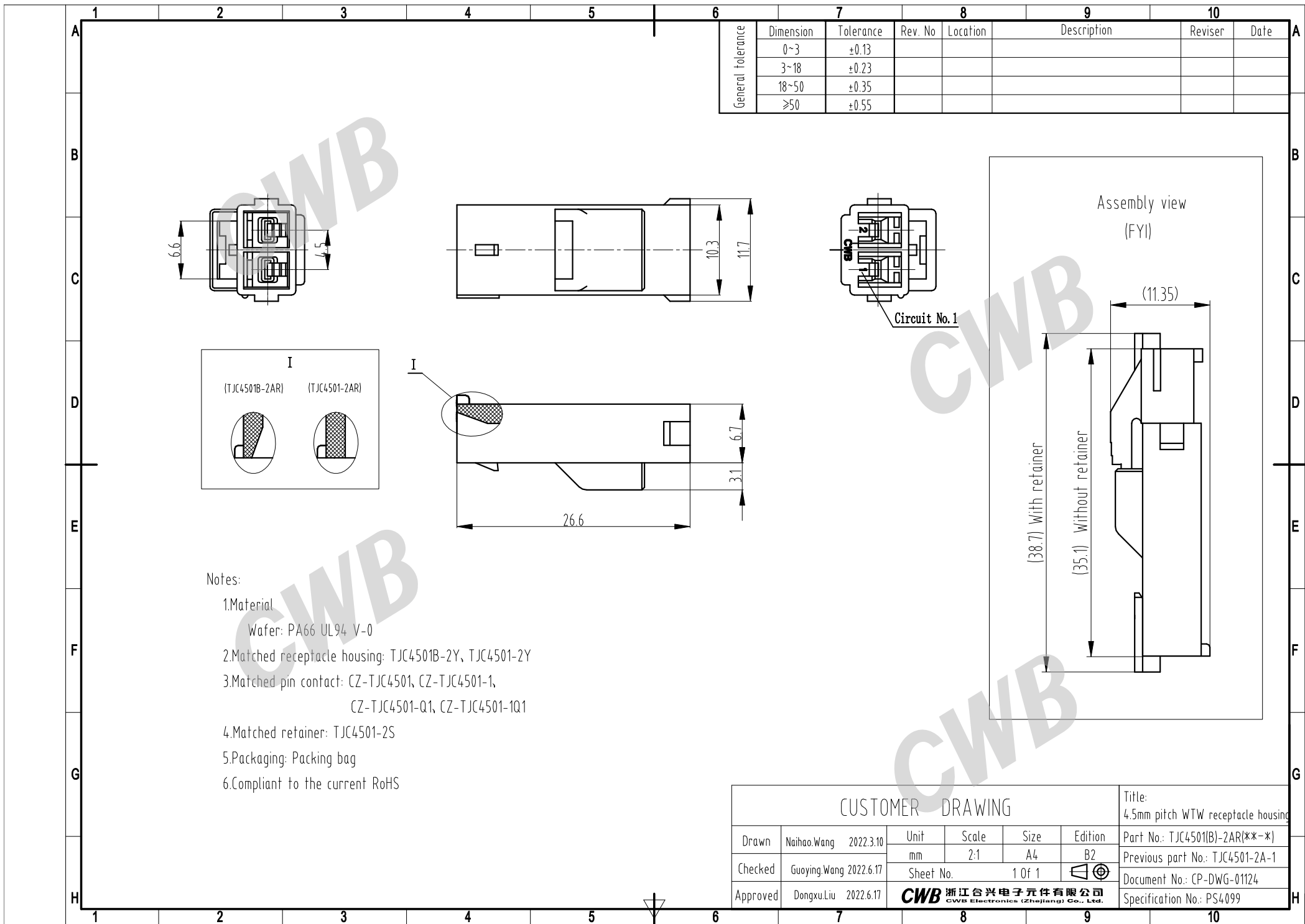
Drawn	Naihao.Wang	2022.3.10	Unit	Scale	Size	Edition
Checked	Qu.Wang	2022.3.10	mm	5:1	A4	B
Approved	Dongxu.Liu	2022.3.10	Sheet No.	1 Of 1		

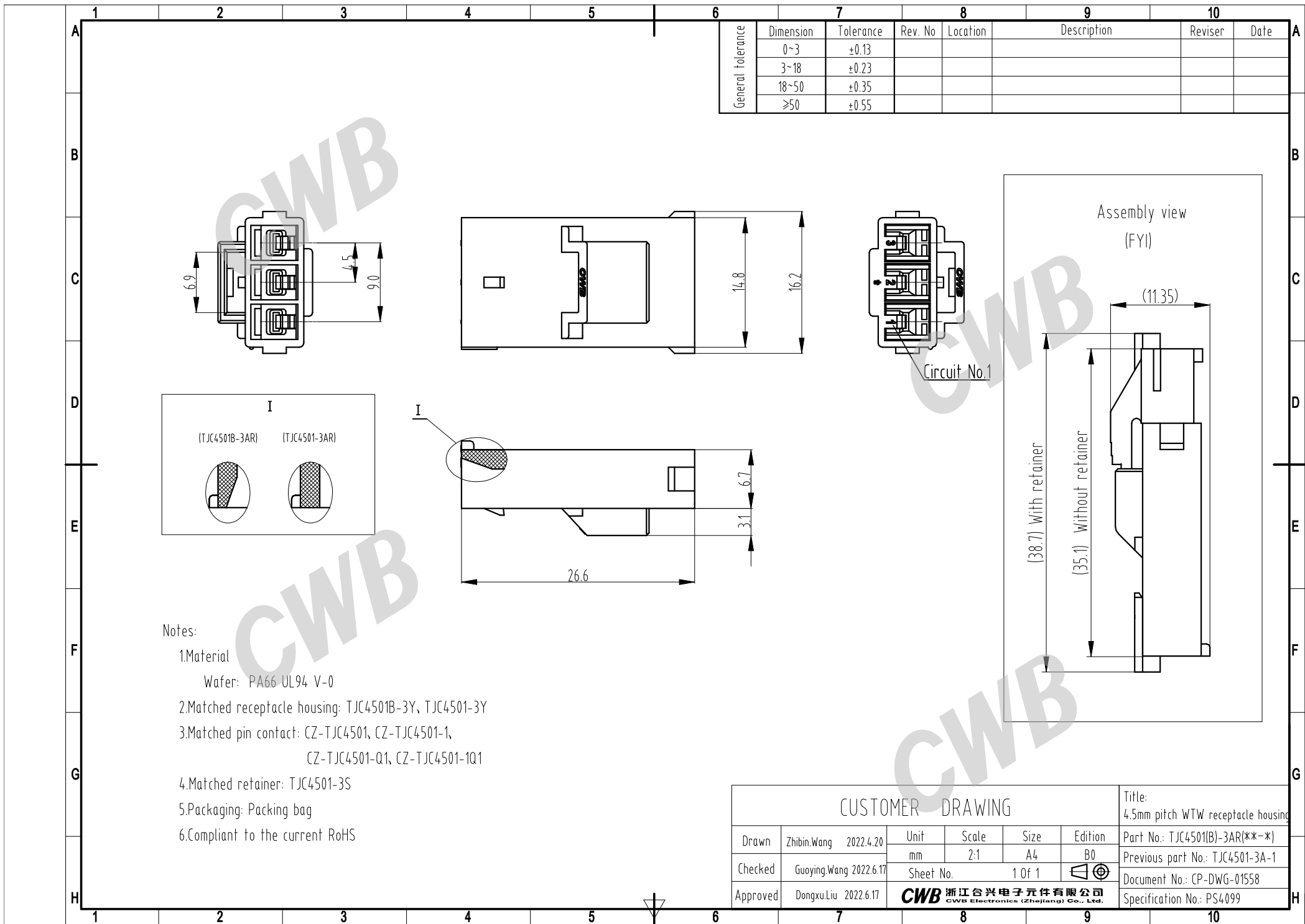
CWB

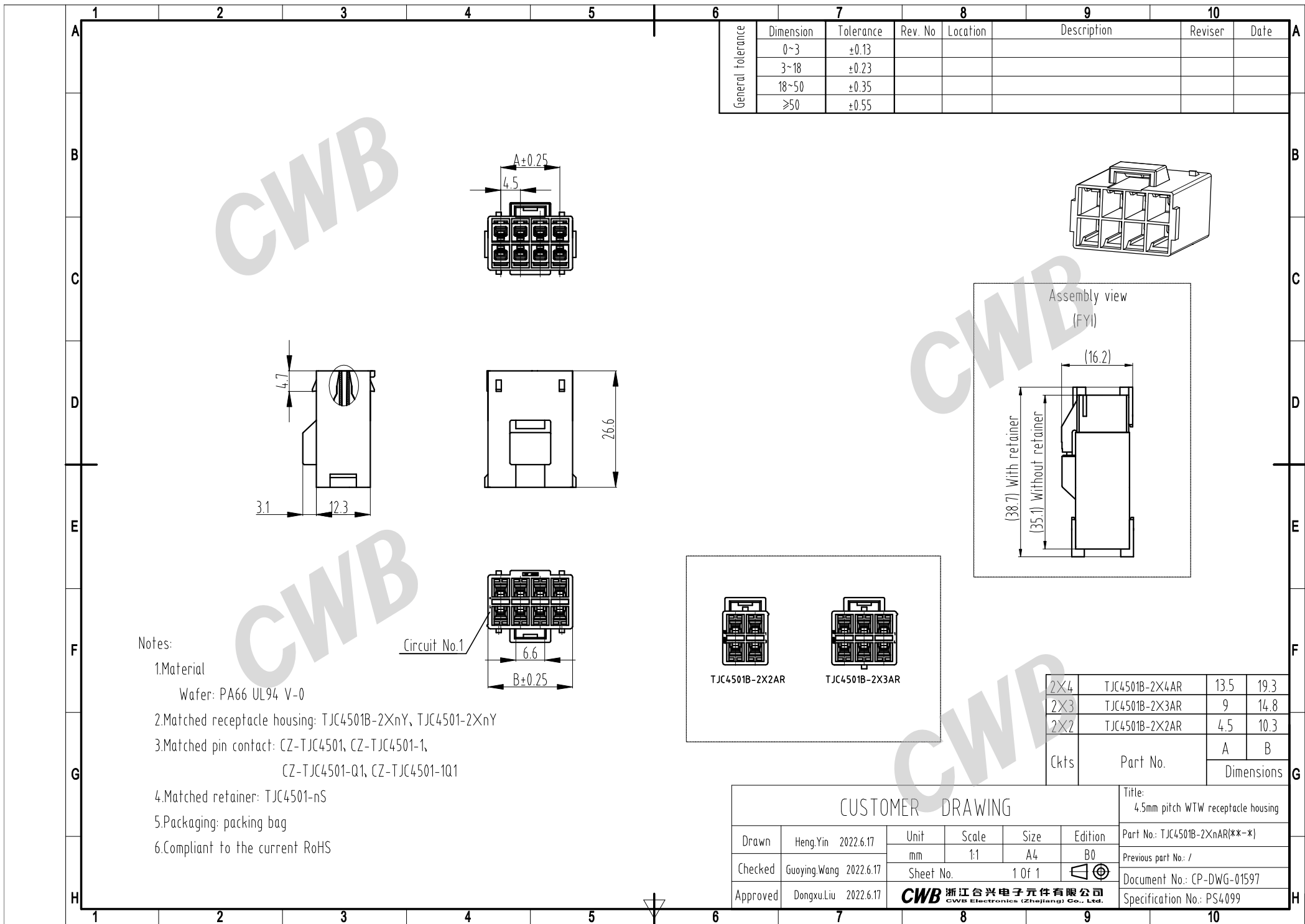
Title:	4.5mm pitch WTW pin contact
Part No.:	CZ-TJC4501-**-**
Previous part No.:	CZ-TJC4501/CZ-TJC4501A
Document No.:	CP-DWG-01117
Specification No.:	PS4099

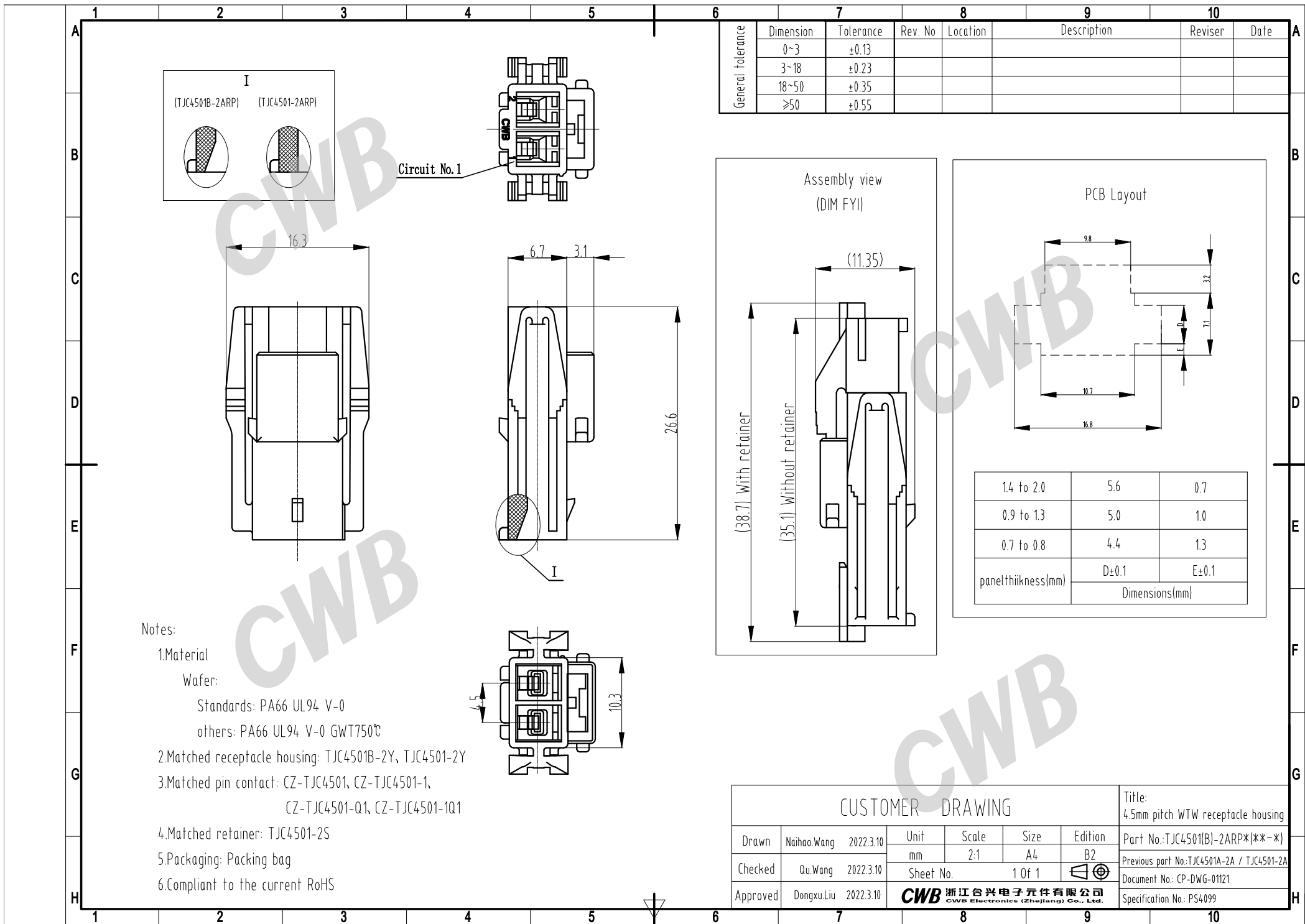


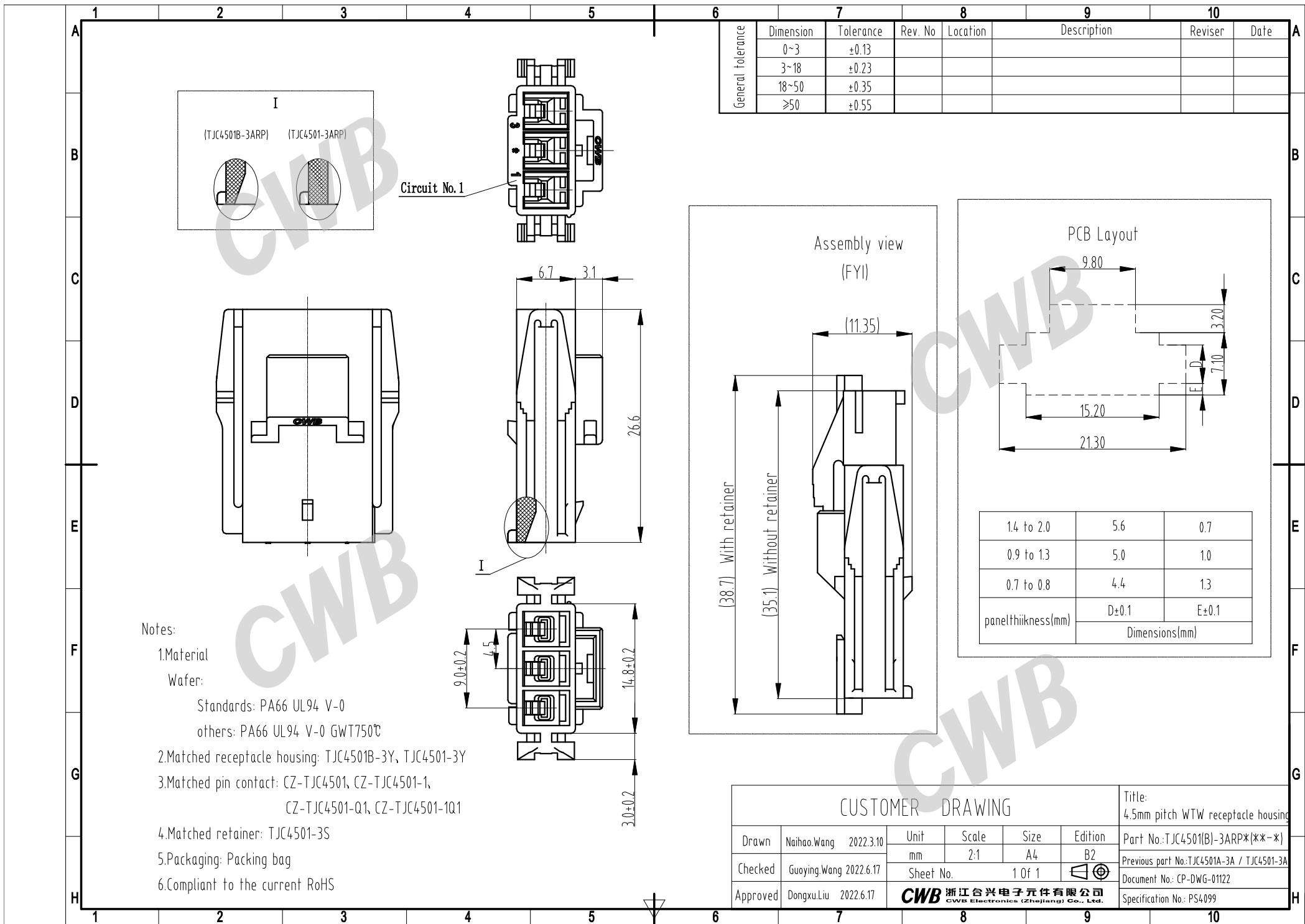


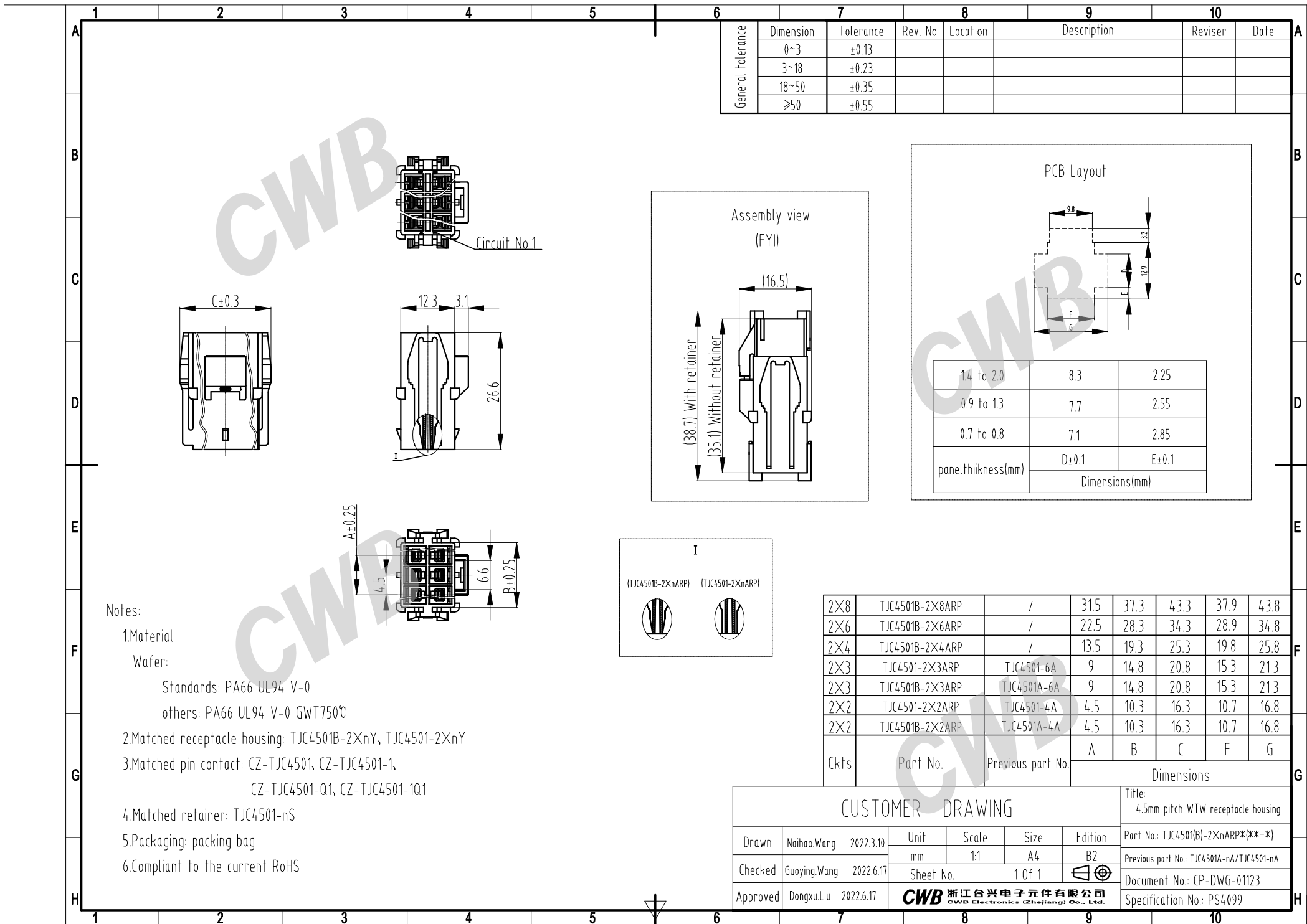


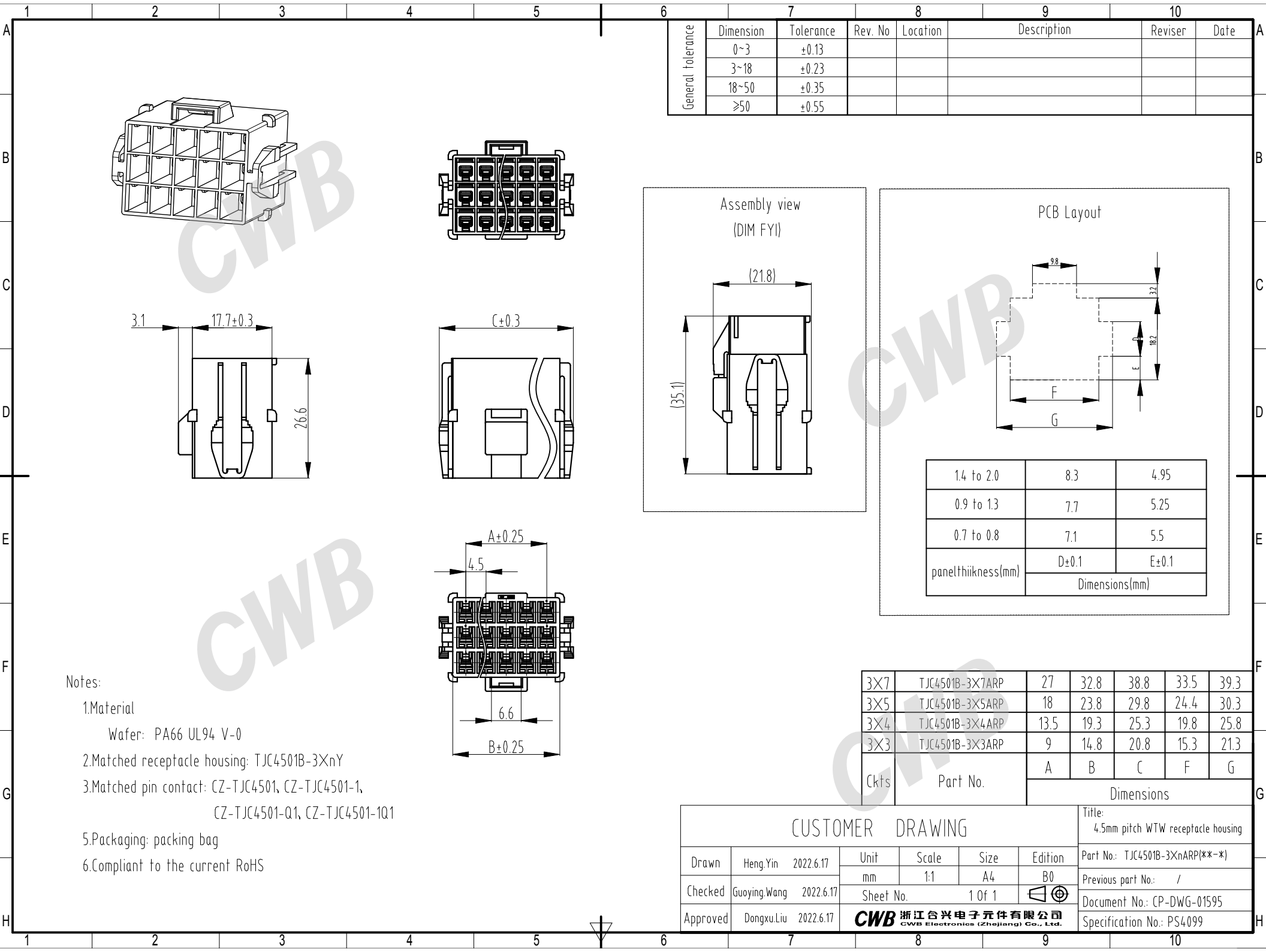


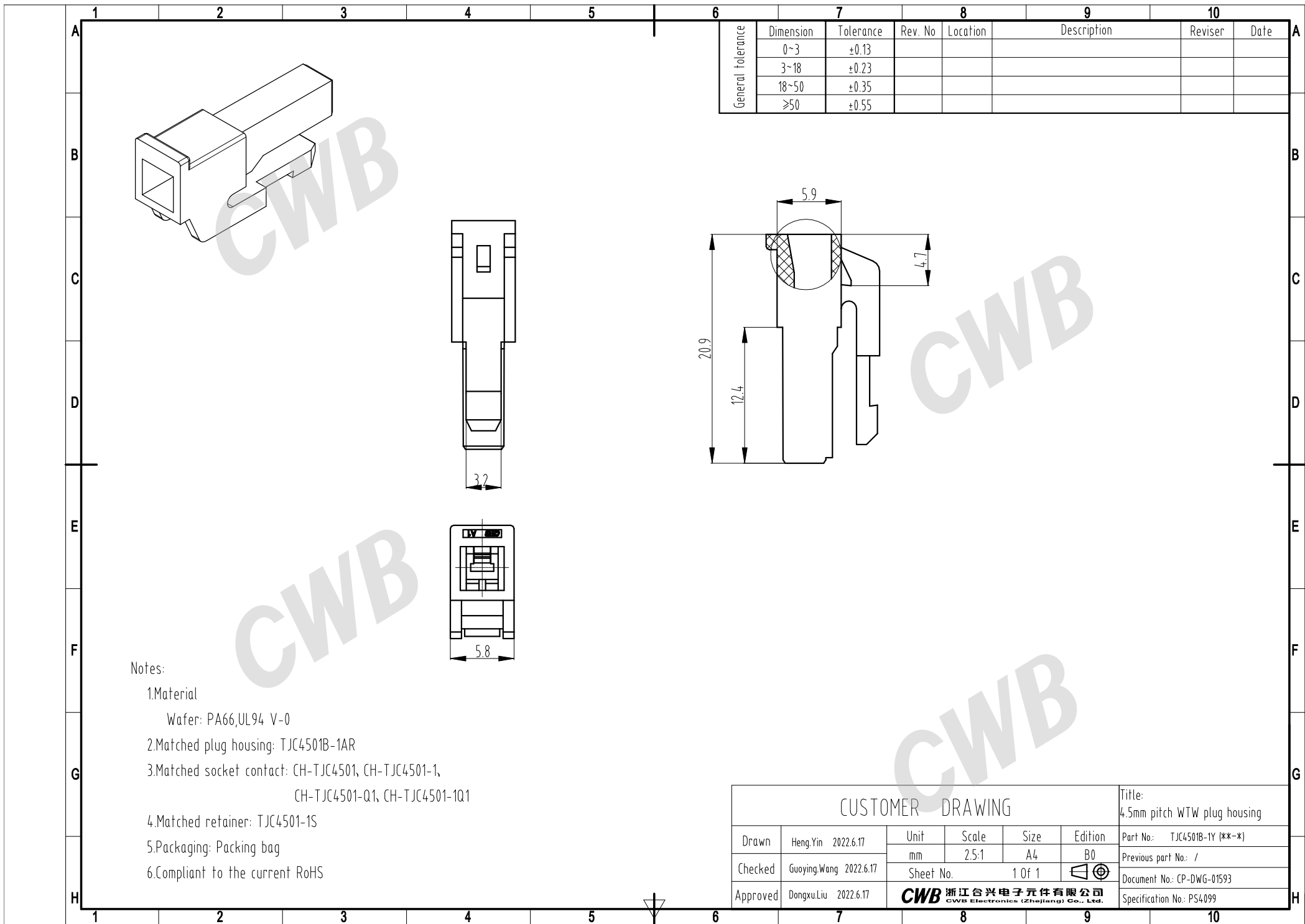


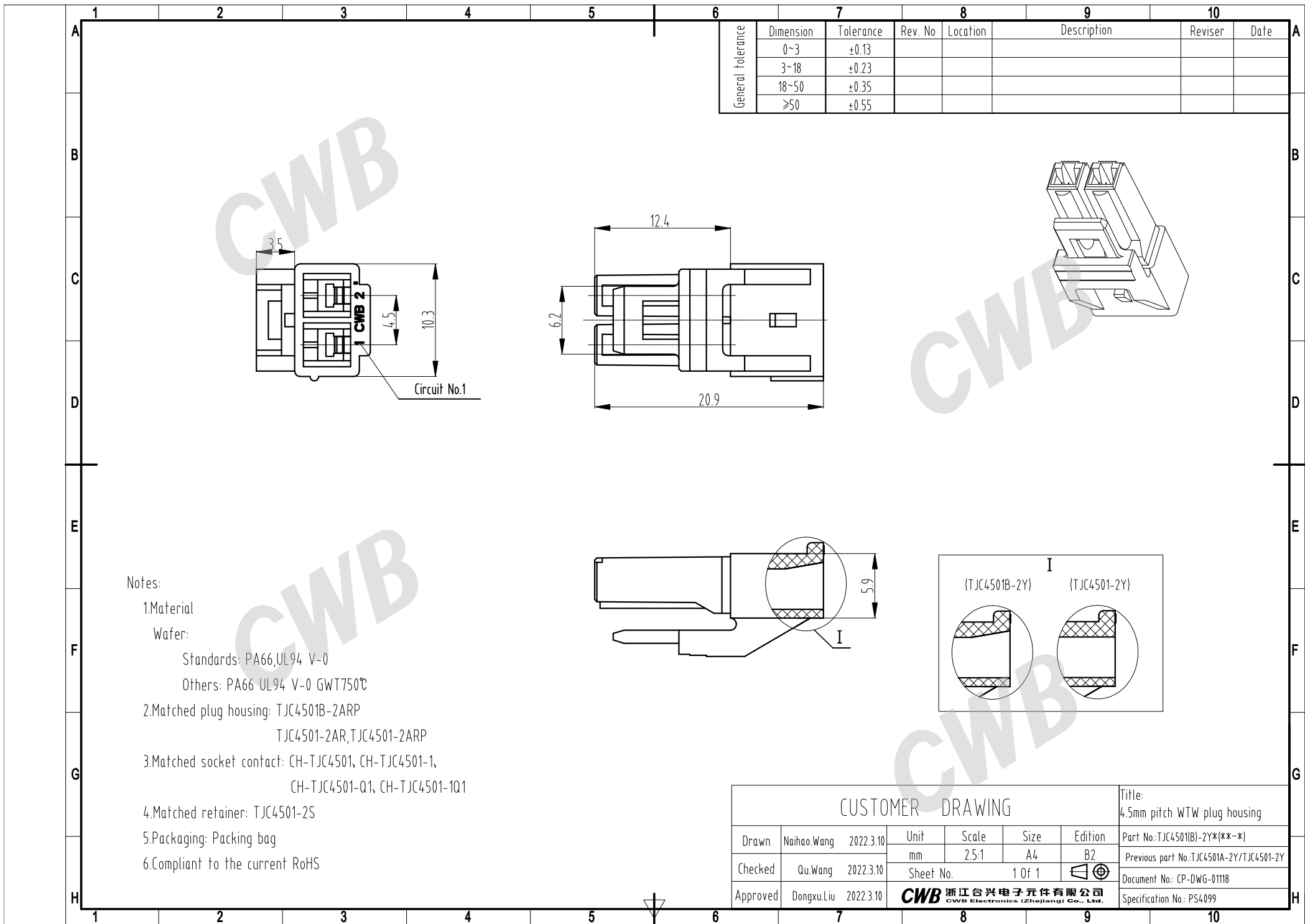


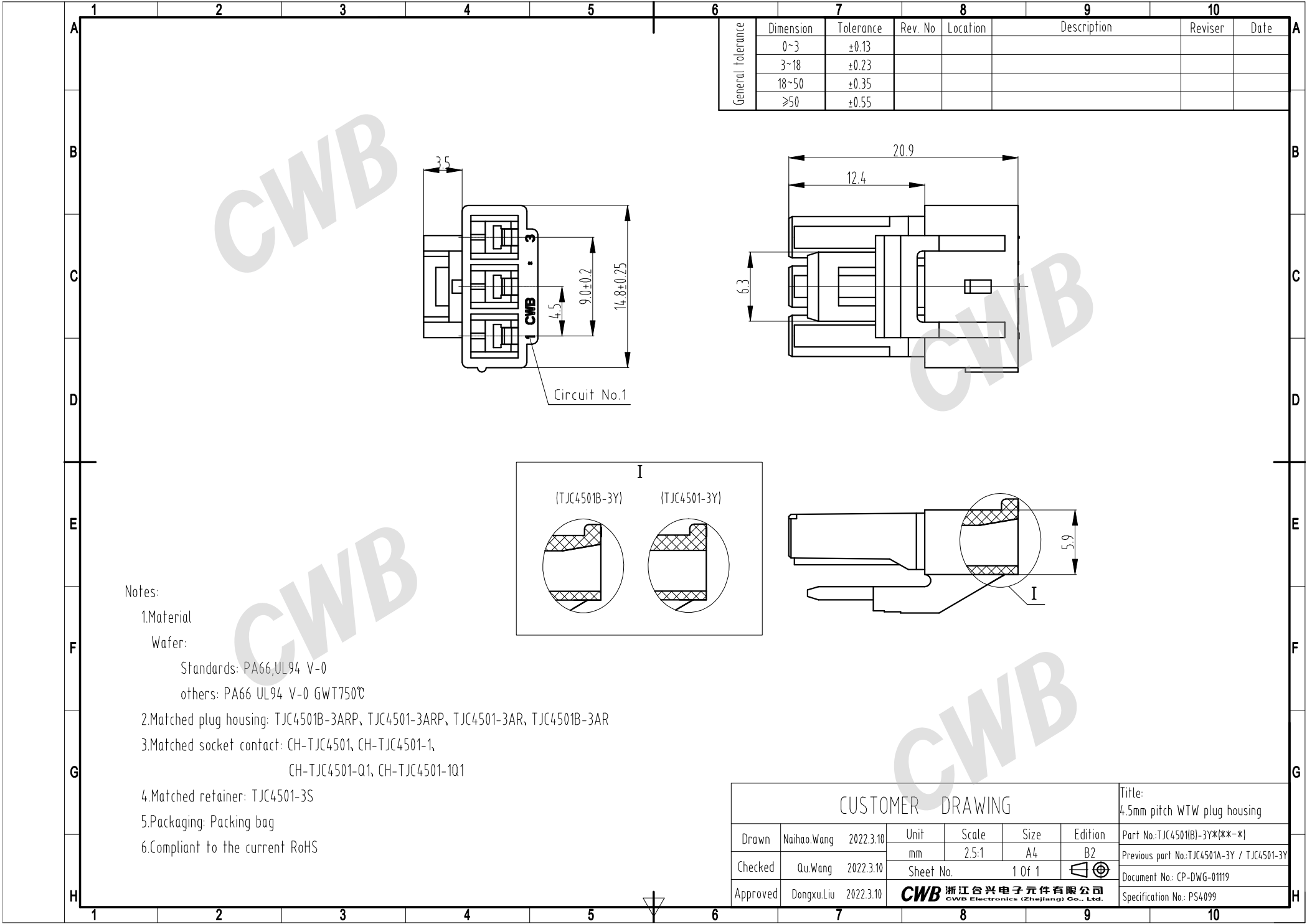


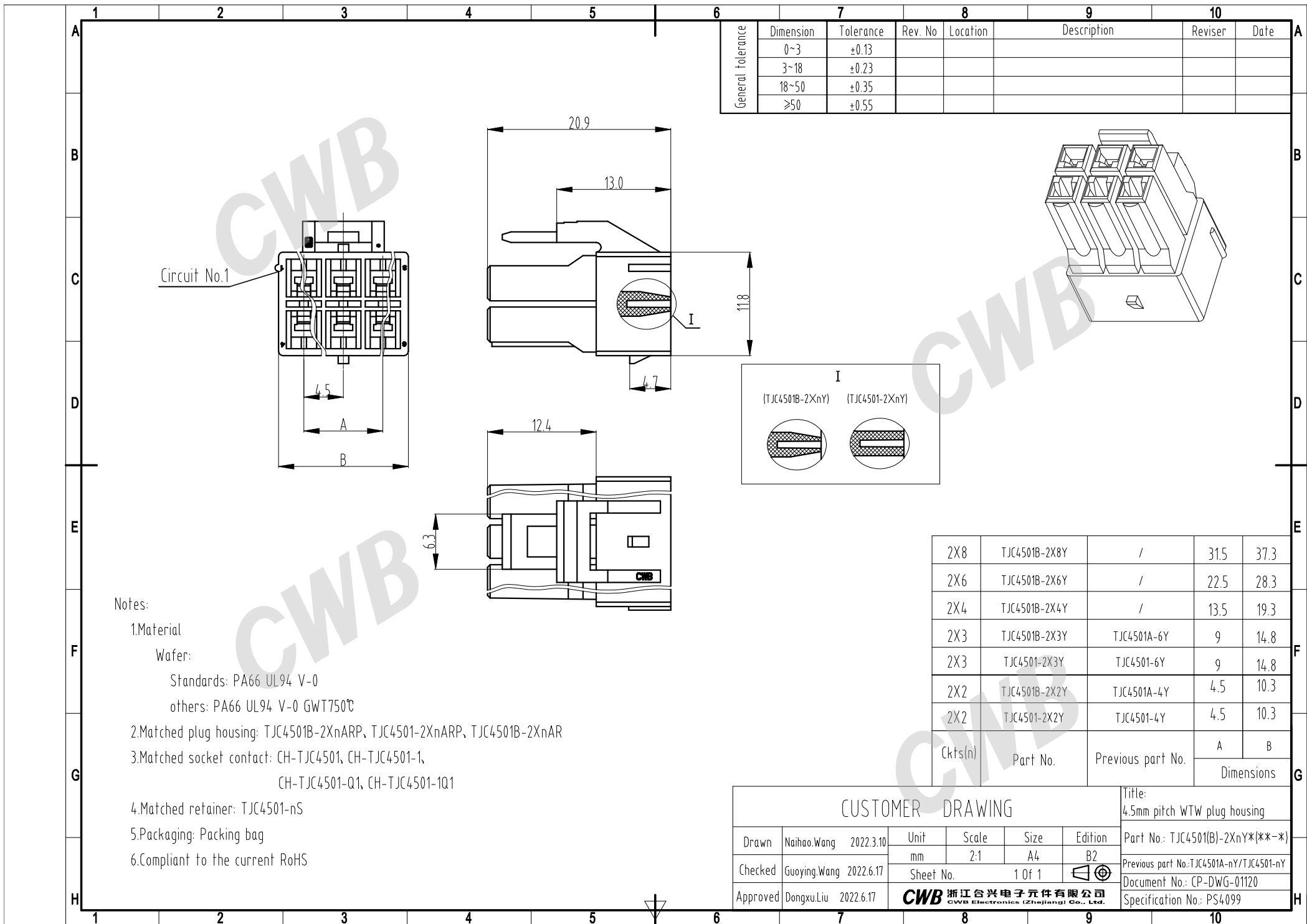


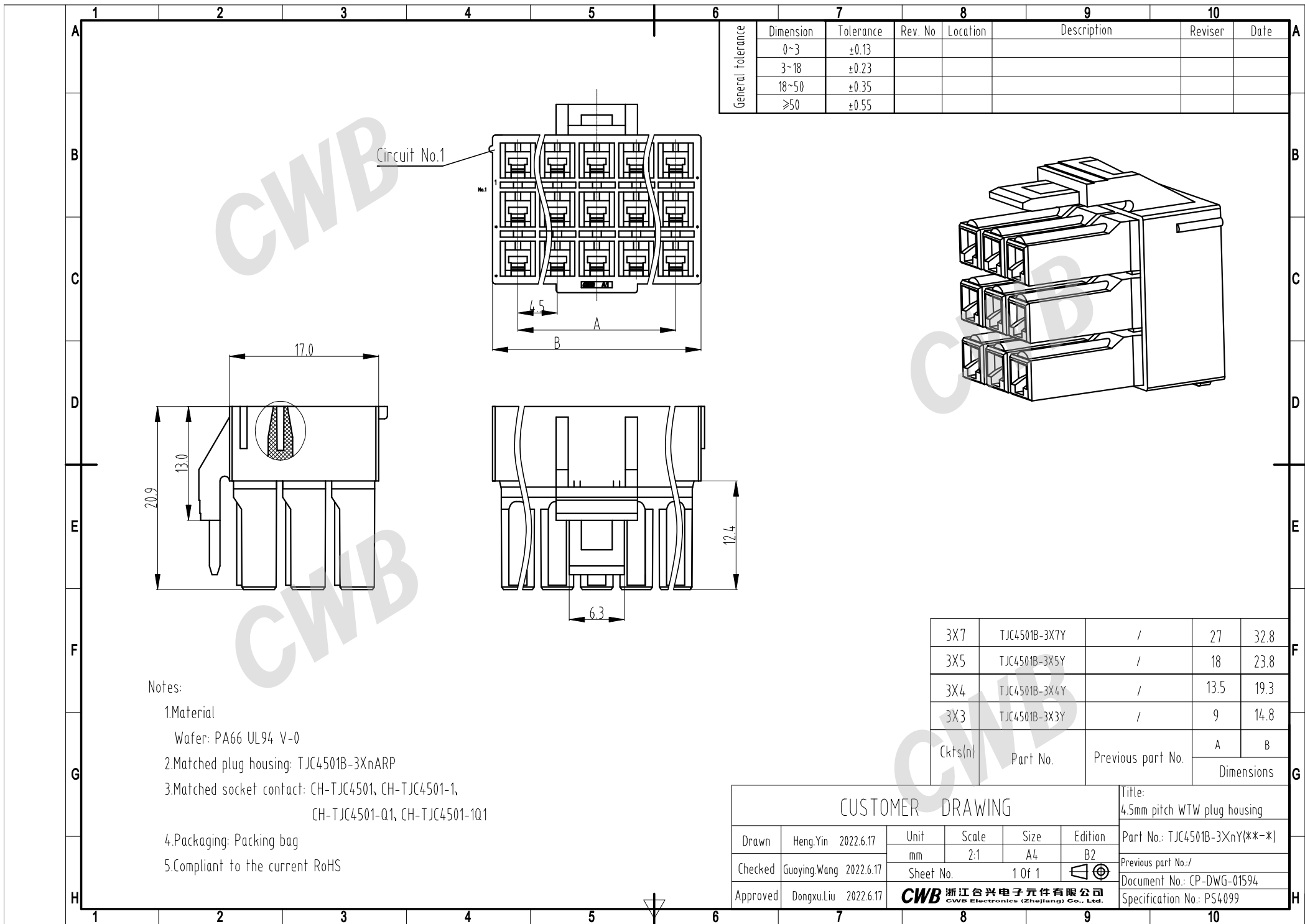




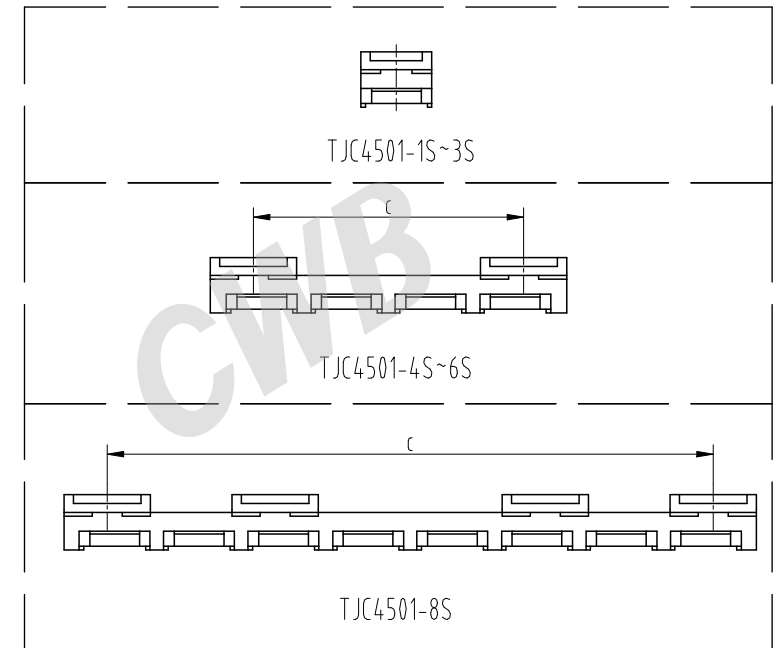
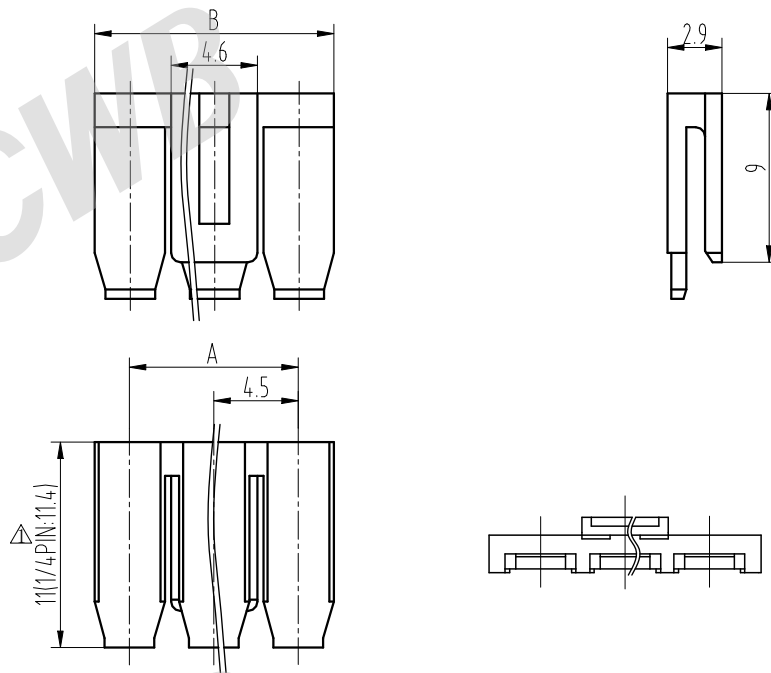








General tolerance	Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
	0~3	±0.13	△	/	TJC4501-1S: A/B dimension correction Increase 1/4PIN dimensions	Qiuqiu.Xu	2025-07-23
	3~18	±0.23					
	18~50	±0.35					
	≥50	±0.55					

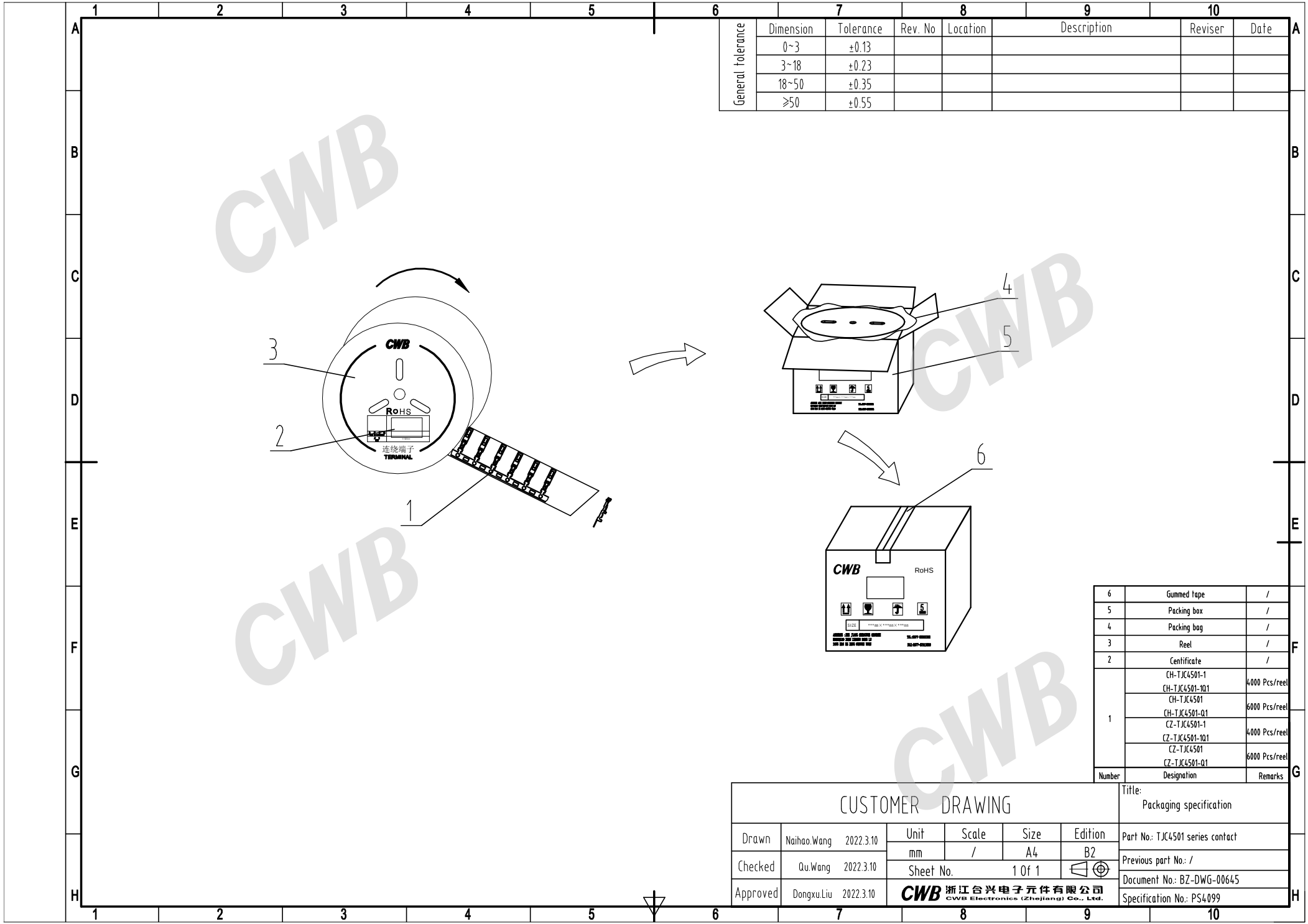


Notes:

- 1.Material: PA66 UL94 V-0 GWT750℃
- 2.Matched plug housing: TJC4501(B)-mXnARP/TJC4501(B)-mXnAR
- 3.Matched receptacle housing: TJC4501(B)-mXnY
- 4.Packaging: packing bag
- 5.Compliant to the current RoHS

8	TJC4501-8S	/	31.5	36.9	32.3
6	TJC4501-6S	/	22.5	26.3	14.4
4	TJC4501-4S	TJC4501-4AS	13.5	19.0	14.4
3	TJC4501-3S	TJC4501-3AS	9	12.75	/
2	TJC4501-2S	TJC4501-2AS	4.5	8.25	/
1	TJC4501-1S △	/	/	3.78	/
Ckts	Part No.	Previous part No.	Dimensions		
			A	B	C

CUSTOMER DRAWING							Title: 4.5mm pitch WTW retainer	
Drawn	Naihao.Wang	2022.3.10	Unit	Scale	Size	Edition	Part No.: TJC4501-nS*(**~*)	
Checked	Qu.Wang	2022.3.10	mm	2.5:1	A4	B	Previous part No.:TJC4501-nAS	
			Sheet No.		1 Of 1			
Approved	Dongxu.Liu	2022.3.10	CWB				Document No.: CP-DWG-01125	
							Specification No.: PS4099	



General Tolerance	Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
	0~3	±0.13					
	3~18	±0.23					
	18~50	±0.35					
	≥50	±0.55					

6	Gummed tape	/
5	Packing box	/
4	Packing bag	/
3	Reel	/
2	Certificate	/
1	CH-TJC4501-1	4000 Pcs/reel
	CH-TJC4501-1Q1	4000 Pcs/reel
	CH-TJC4501	6000 Pcs/reel
	CZ-TJC4501-1	4000 Pcs/reel
	CZ-TJC4501-1Q1	4000 Pcs/reel
Number	Designation	Remarks

CUSTOMER DRAWING							Title: Packaging specification	
Drawn	Naihao.Wang	2022.3.10	Unit	Scale	Size	Edition	Part No: TJC4501 series contact	
Checked	Qu.Wang	2022.3.10	mm	/	A4	B2	Previous part No: /	
			Sheet No.		1 Of 1			
Approved	Dongxu.Liu	2022.3.10	CWB 浙江合兴电子元件有限公司 CWB Electronics (Zhejiang) Co., Ltd.				Document No: BZ-DWG-00645	
							Specification No: PS4099	

	1	2	3	4	5	6	7	8	9	10					
A						General Tolerance		Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date	A
								0~3	±0.13						
								3~18	±0.23						
								18~50	±0.35						
								≥50	±0.55						
B															B
C															C
D															D
E															E
F															F
G															G
H															H
Packing bag															
Sealed 3 2 1															
Packing box															
5 4 CWB RoHS SIZE **mm X **mm X **mm ADDRESS: ZHEJIANG HONGSHENG ELECTRONIC CO., LTD. ROOM 2001, 20TH FLOOR, WUZHOU INDUSTRIAL PARK, WUZHOU CITY, ZHEJIANG PROVINCE, CHINA TEL: 0577-85215500 FAX: 0577-85215501															

TJC4501 系列命名规则

TJC4501 series naming conventions

1. Contact

CH-TJC4501-**-**/CZ-TJC4501-**-**

CH - TJC4501 - * - * - **

↓
Contact category: CH...Socket Contact, CZ...Pin Contact

↓
Series name

↓
Barrel mark: none...AWG#22~AWG#26
1...AWG#20~AW#G16

↓
Material: none...Standards, phosphor bronze
Q1...High performance phosphor bronze

↓
Manufacture sequence: none...Standards, plating before stamping,
C...stamping before plating

↓
Plating type: none...Bright tin

2. Receptacle housing & Plug housing

TJC4501B-m×nY*(***) ,TJC4501B-m×nARP*(***)

TJC4501-m×nY*(***) ,TJC4501-m×nARP*(***) ,TJC4501-m×nAR*(***)

TJC4501 B - m × n Y ** (WT * -*)

↓
Series name

↓
B...Standards, the updated product, None...Product before update;

↓
No. of circuits in each row

↓
Number of rows: None...Single row, 2×...Two rows, 3×...triplex rows

↓
Product category: Y...Plug housing, AR...Receptacle housing

↓
Mounting mark: None...Free hanging, P...Panel mount

↓
Glow wire: None...normal, GW...GWT 750℃

↓
Color: WT...White, BK...Black, GN...Green, BL...Blue, RD...Red,
YW...Yellow, OG...Orange, VT...Violet, GY...Gray, NL...Natural

↓
Material: None...PA66

↓
Flammability: None...UL94 V-0

↓
(WT * -*)

3. Retainer

TJC4501-nS * (**.*)

TJC4501 - n S GW (NL * -*)

