

标题: TJC4001 系列连接器

Title: TJC4001 Connector

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	批准 Approval: 刘冬旭 2022. 7. 7	版本 Revision: V7



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	/	初版发行 First release	杨培 2022/06/06 YangPei2022/06/06
V1	/	新增 CH/CZ-TJC4001-1 端子 Added CH/CZ-TJC4001-1 terminal	尹恒 2022/07/07 YinHeng.2022/07/07
V2	/	测试条件更新，导线规格名称更新 Test conditions updated, wire specification name updated	尹恒 2022/08/01 YinHeng.2022/08/01
V3	/	增加温升实验 Increase the temperature rise experiment	路欢 2022/10/09 LuHuan2022/10/09
V4	/	端子插入力与固定力更新 The insertion forceand retention are updated	尹恒 2022/11/29 YinHeng.2022/11/29
V5	/	TJC4001-nAD/2×nAD 系列产品材料更新 TJC4001-nAD/2×nAD series product material update	尹恒 2023/03/16 YinHeng.2023/03/16
V6	/	TJC4001 使用温度从 85℃更新到 105℃，增加面板安装力要求 Update the temperature from 85℃ to 105℃, and increase the panel mounting force requirements	徐秋秋 2023/07/03 XuQiuqiu2023/07/03
V7	/	新增 TJC4001-5ARP AddedTJC4001-5ARP	钱斌豪 2025/02/08 Binhaoqian2025/02/08

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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 WTW/WTB 4.0 阴型 & 阳型电子连接器，产品名称：TJC4001 系列连接器。。

This product specification covers the requirement for wire to wire/board 4.0mm pitch Receptacle & Plug connector, which are designed and manufactured by CWB Electronics(ZheJiang) Co.,LTD. P/N: TJC4001 Connector.

3.产品描述 Product description

TJC4001 系列连接器产品为家电连接器产品，产品部件组成如下：

The TJC4001 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-TJC4001-**-	/	AWG#26~AWG#22
插簧 Socket contact	CH-TJC4001-1--	/	AWG#20~AWG#16
插针 Pin contact	CZ-TJC4001-**-	/	AWG#26~AWG#22
插针 Pin contact	CZ-TJC4001-1--	/	AWG#20~AWG#16
孔座（含锁紧片保持结构） Housing(W/Retainer)	TJC4001*-nY(**-*) TJC4001-2×nY(**-*)	/	PBT+GF UL94V-0
条形连接器针座（面板安装） Receptacle housing(Panel mount)	TJC4001-nARP(**-*)	/	PBT+GF UL94V-0
阳连接器（立式，直插） Header (V, DIP,)	TJC4001*-nAD*(**-*) TJC4001-2×nAD*(**-*)	/	Wafer: PA66+GF UL94V-0 GWT750℃/ PBT+GF UL94V-0 Post: Brass, tin plated

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

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

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产品规格书

PRODUCT SPECIFICATION

产品符合 RoHS 标准。

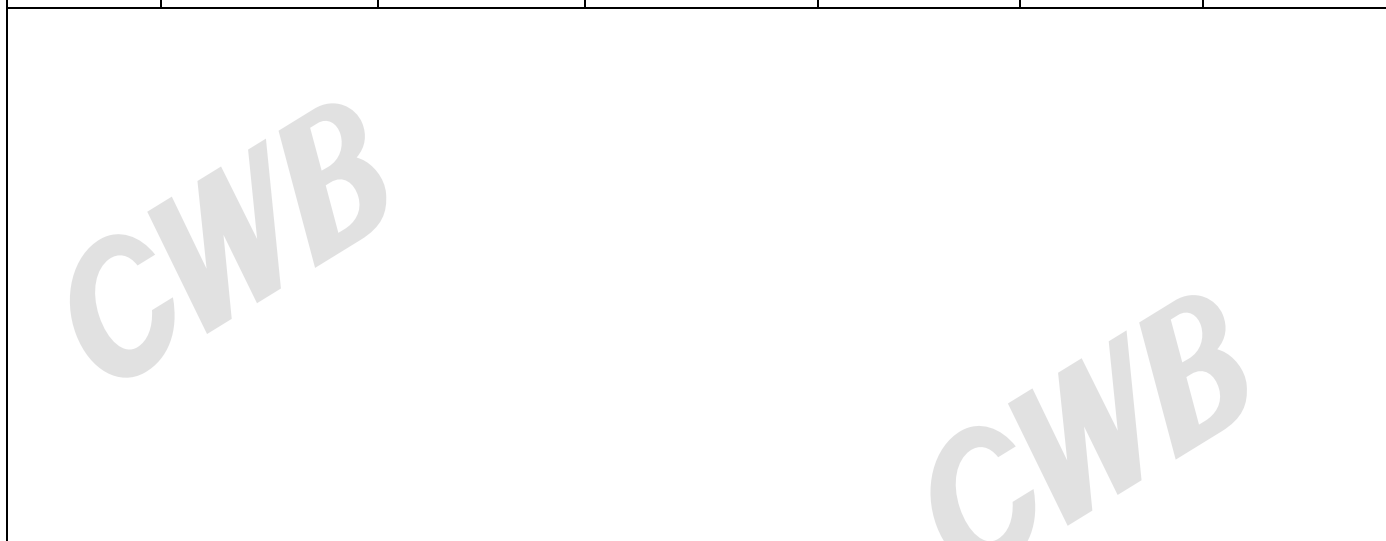
The product should comply with RoHS.

5.参数范围 Parameter ratings:

额定电流 [AC(有效值)/DC] Rated current [AC(rms)/DC]	见《额定电流对照表 Comparison table of rated current》	
适用 PCB 板 Applicable PCB	Panel thickness:0.8mm-2.0mm (WTW) Board thickness:1.6±0.1mm (WTB) Hole diameter: φ 1.65 (+0.1/0)mm	
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~+105°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/CZ-TJC4001	Wire size: AWG#26~AWG#22(0.13mm ² ~0.33 mm ²) Insulation diameter: φ 1.3 mm- φ 2.40mm
	CH/CZ-TJC4001-1	Wire size: AWG#20~AWG#16(0.52mm ² ~1.31 mm ²) Insulation diameter: φ 1.7 mm- φ 3.2mm

《额定电流对照表 Comparison table of rated current》

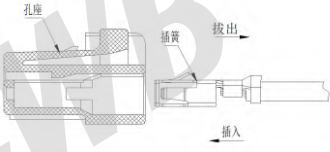
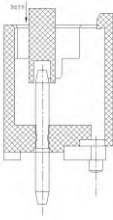
Pin 数	Wire size:					
	AWG#16	AWG#18	AWG#20	AWG#22	AWG#24	AWG#26
2	12	10	8	5	4	3
3	11	9	7	5	4	3
4,5,6,8	10	8	6	5	4	3
10,12	9	7	6	5	4	3
14	9	7	6	4.5	4	3



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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.) 	插入力 (最大值) Insertion force (Max.)	固定力 (最小值) Retention force (Min.)
			6.5N	30N
6.1.3	针的固定力 Post retention force	沿插针轴线方向施加推力, 测量将插针从塑件上分离 的力, 测试速度不大于 25 mm/min.。 The end of a post shall be pushed in a direction perpendicular to a wafer. The load required to make the post start moving from the wafer shall be measured. (Testing speed: <25 mm/min.) 	20N Min.	
6.1.4	面板安装力 (适用于 TJC4001-nARP) Panel mounting force (applied to TJC4001-nARP)	固定面板和测力计, 在连接器轴线方向插入连接器, 速度不大于 25 mm/min. 面板尺寸参照 TJC4001-nARP 图纸。 Apply axial insert force on the connector into the panel at a rate less than 25 mm/min.The panel dimensions as specified in the TJC4001-nARP drawing,see Fig.3	19.6N Max.	

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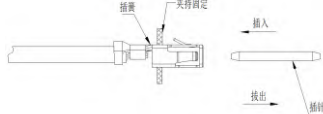
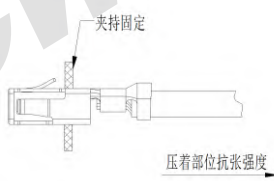
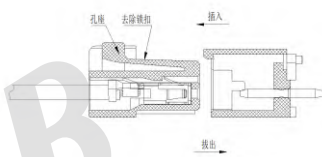
TJC4001 系列连接器

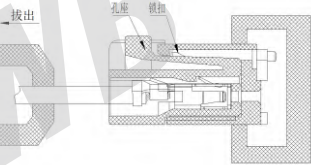
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6.1.5	面板保持力 (适用于 TJC4001-nARP) Panel retention force (applied to TJC4001-nARP)	固定面板和测力计，在连接器轴线方向拔出连接器，速度不大于 25 mm/min。面板尺寸参照 TJC4001-nARP 图纸。 Apply axial thrust on the connector in the panel at a rate less than 25 mm/min. The panel dimensions as specified in the TJC4001-nARP drawing	80N Min.		
6.1.6	插簧与插针的 插拔力 Insertion and withdrawal force for pin in the contact	固定连接器和/或测力计，在端子轴线方向将插针插入和拔出插簧，测试速度不大于 25 mm/min。 Insert the pin contact into and pull out the socket contact in the direction of the terminal axis (Testing speed: <25 mm/min.)  GB/T 5095.7 Method 13b / EIA-364-13B	插入力 (最大值) Insertion force (Max.)	拔出力 (最小值) Withdrawal force (Min.)	
			9.8N	0.2N	
6.1.7	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	压着式连接器 Crimp Conn. AWG#26: 15N Min. AWG#24: 30N Min. AWG#22: 40N Min. AWG#20: 65N Min. AWG#18: 80N Min. AWG#16: 95N Min.		
6.1.8	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30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 30th. shall be measured. (Testing speed: <25 mm/min.)  GB/T 5095.7 Method 13b / EIA-364-13B	No. of poles 极数	插入力 (最大值) Insertion (Max.)	拔出力 (最小值) Withdrawal (Min.)
				初次 1st.	初次 1st. 第三十次 30th
			2	15	1.0 1.0
			3	20	1.5 1.5
			4	25	2.0 2.0
			5	30	2.5 2.5
			6	35	3.0 3.0
			8	45	4.0 4.0
			10	55	5.0 5.0
			12	65	6.0 6.0
			14	75	7.0 7.0
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6.1.9	机械振动 Vibration	插入连接器, 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.
6.1.10	机械寿命 Durability	以每分钟 10 次的速度插拔 30 次。 30 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: 20mΩ Max. Contact resistance: 20mΩ Max.
6.1.11	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	2P: 15N Min. 3P:30N Min. 4P 及以上: 50N Min.

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	10 mΩ Max. (Initial) 20 mΩ Max. (Final)
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	插入连接器, 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	Δ 30℃ Max. (Max6A AC/DC, 使用 AWG#16 时)

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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)℃ 的空气中放置 250 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)℃ for 250 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: 20mΩ Max. Contact resistance: 20mΩ Max.										
6.3.2	耐低温 Cold resistance	连接器配合后, 于 (-40±2) ℃ 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 96hours, 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: 20 mΩ Max. Contact resistance: 20 mΩ Max. 绝缘电阻: 500 MΩ Min. Insulation resistance:500 MΩ Min. 耐电压: 1000 V Min. Withstand voltage: 1000 V 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)℃, 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: 20mΩ Max. Contact resistance: 20mΩ 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><td>Temperature °C</td><td>Duration</td></tr><tr><td>1 -55±2</td><td>0.5h</td></tr><tr><td>2 Room Temp.</td><td>5 minutes Max.</td></tr><tr><td>3 +85±2</td><td>0.5h</td></tr><tr><td>4 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: 20mΩ Max. Contact resistance: 20mΩ 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)℃, 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: 20mΩ Max. Contact resistance: 20mΩ Max.										
6.3.6	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 80 ±5%、H ₂ S 气体浓度为 3±1ppm 的环境中放置 96 小时 Mated connectors exposed to the condition of temperature (40±3)°C, humidity 80 ±5%, H ₂ S gas concentration of 3±1ppm for 96 hours	接触电阻: 20mΩ Max. Contact resistance: 20mΩ Max.										

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6.3.7	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±3）℃，时间（2.5~3.5）秒 Dip solder tails into the molten solder held at (245±3) °C for (2.5~3.5) seconds IPC EIA IPC JEDEC J STD 002E	上锡率≥90%： Solder coverage: ≥90%
6.3.8	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±5）℃；时间（5±1）秒后，在正常条件下恢复（1~2）小时 手工焊接：温度（350±10）℃，时间（1~2）seconds Resistance to wave soldering heat: Dip solder tails into the molten solder held at (260±5) °C for (5 ±1) seconds, recovery time (1~2) hours Manual soldering: (350±10)°C for (1~2) seconds	外观：无损伤（参照6.1.1） Appearance: no damage.(refer to 6.1.1)
6.3.9	灼热丝 Glow wire (只针对 GWT750℃ 产品 Only for GWT750℃ products)	750℃灼热丝顶部接触试验样品 接触时间：（30±1）秒 接近和离开速率：10 mm/s~25 mm/s 灼热丝进入或贯穿试验样品深度：（7±0.5）mm。 750 °C glow wire contacts with mated connector Time: (30±1)s Speed of closing to and leaving: 10 mm/s~25 mm/s Depth that glow wire penetrates mated connector: (7±0.5)mm GB/T 5169.10	1.试验样品燃烧时间不超过2秒。或 The time that mated connector burns is not more than 2s.or 2.灼热丝离开后的30秒内样件无火焰或灼热情况，且无滴落物或滴落物不燃烧。 30s after glow wire leaves mated connector, it does not burn or is no incandescence and it does not fall something or falling something does not burn.

产品名称 Product name	TJC4001 系列连接器	编号 Document No.	PS4168	版本号 Version No.	V7
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产品规格书

PRODUCT SPECIFICATION

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	R	S
外观 Appearance	1	1	1	1	1	1	1,5	1,3	1,5	1	1,5	1,7	1,7	1,7	1,5	1	1	1,3	1,3
端子插入力与固定力 Insertion force and retention force for contact	2																		
针的固定力 Post retention force		2																	
面板安装力 Panel mounting force			2																
面板保持力 Panel retention force			3																
插簧与插针的插拔力 Insertion and withdrawal force for pin in the contac				2															
压着部位抗张强度 Crimp tensile strength					2														
成品插入力与拔出力 Insertion force and withdrawal force						2													
机械振动Vibration							3												
机械寿命 Durability									3										
锁扣强度 Lock strength								2											
接触电阻 Contact resistance							2,4		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				
硫化氢气体测试 (H ₂ S gas test)																3			
可焊性 Solderability																	2		
耐焊接热 Resistance to soldering heat																		2	
灼热丝 Glow wire																			2

产品名称
Product name

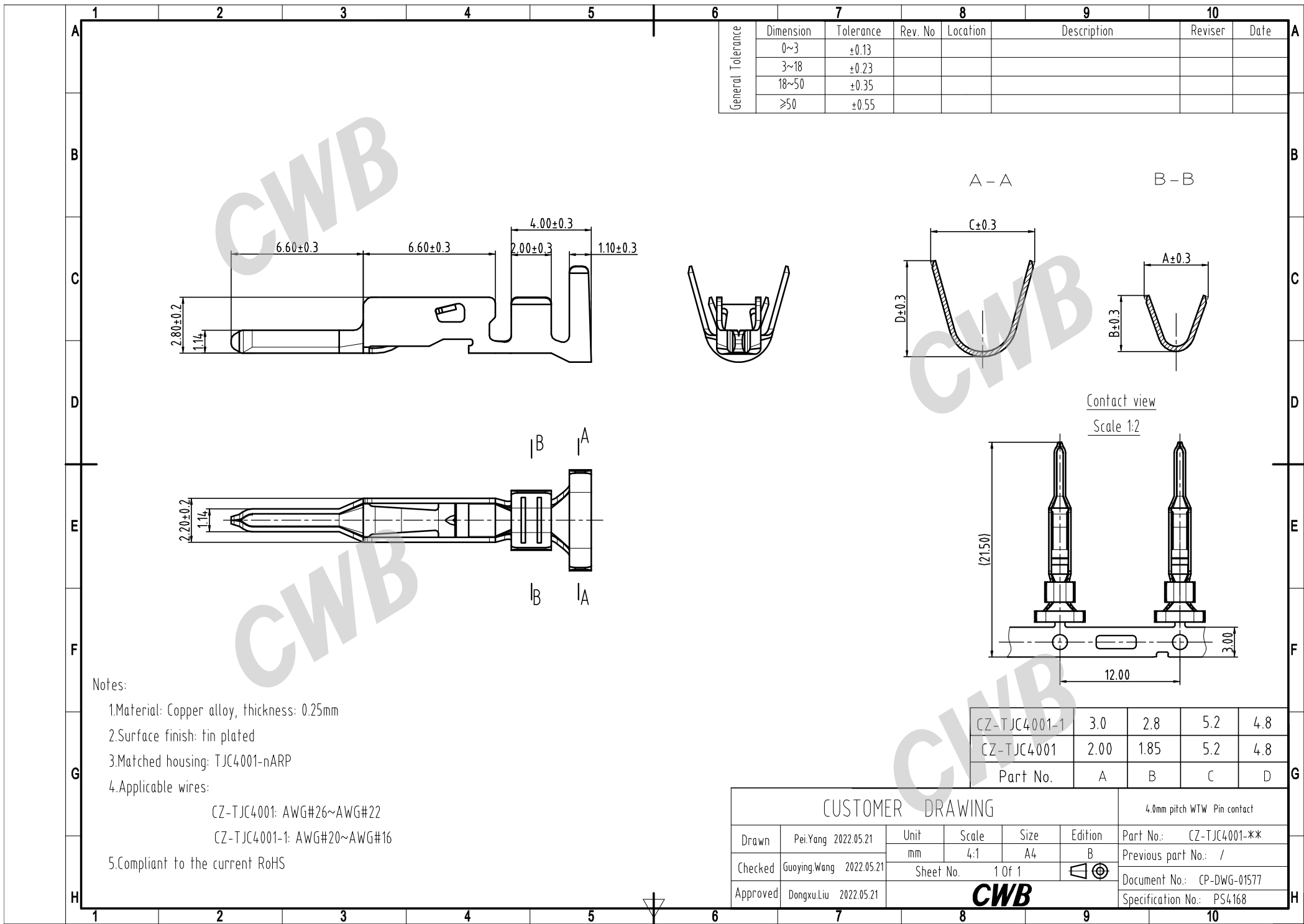
TJC4001 系列连接器

编号
Document No.

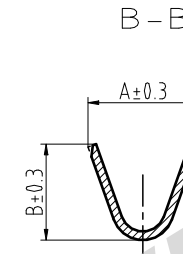
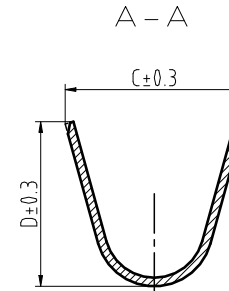
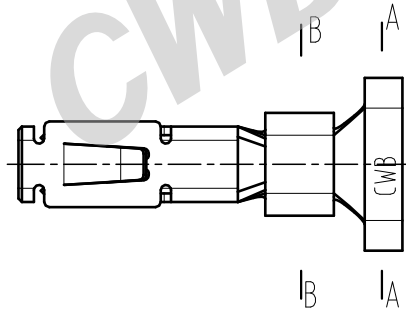
PS4168

版本号
Version No.

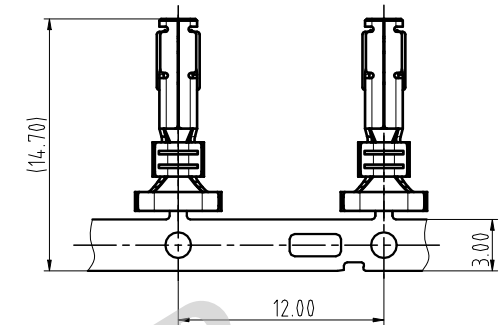
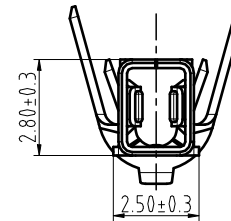
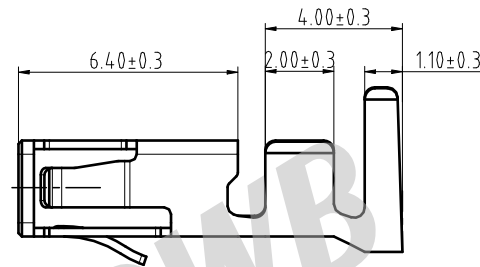
V7



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					



Contact view
Scale 1:2



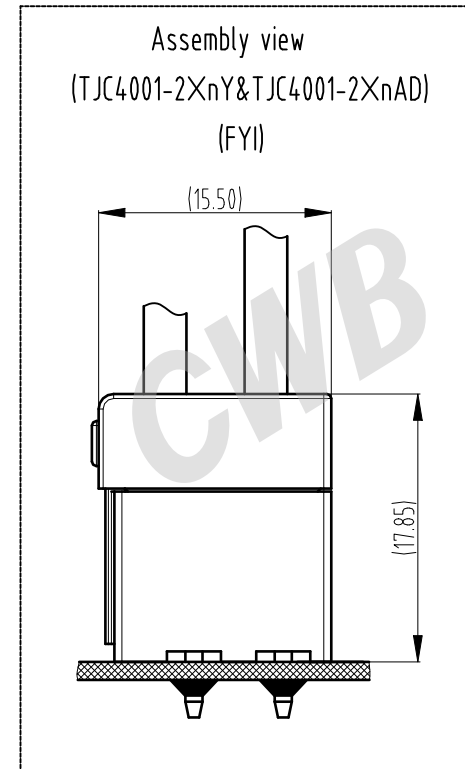
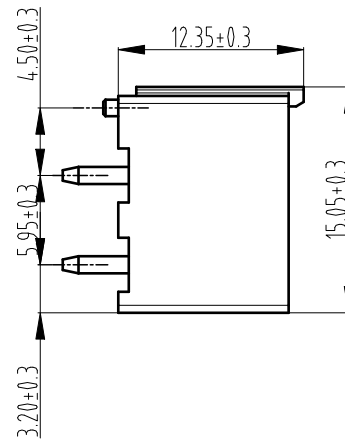
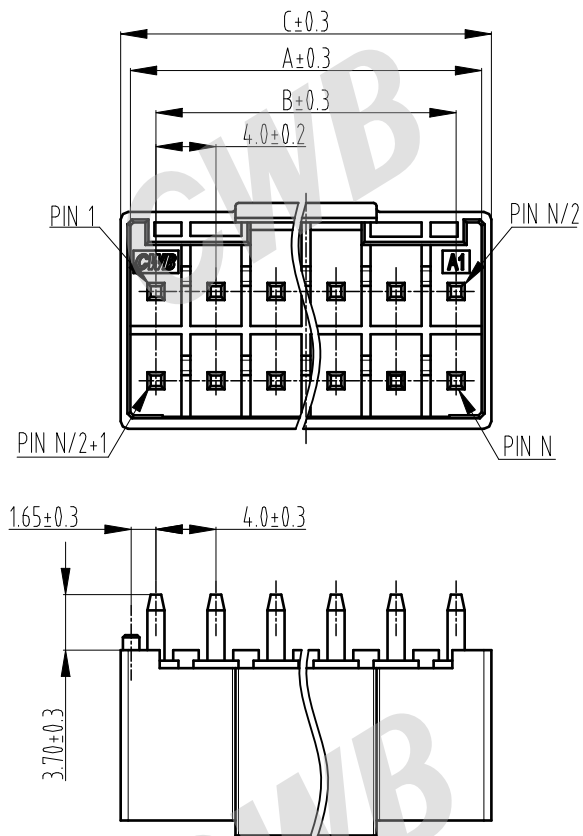
Notes:

- 1.Material: Copper alloy, thickness: 0.25mm
- 2.Surface finish: tin plated
- 3.Matched housing: TJC4001-nY/TJC4001B-nY/TJC4001C-nY
/TJC4001D-nY/TJC4001-2XnY
- 4.Applicable wires: CH-TJC4001: AWG#26~AWG#22
CH-TJC4001-1: AWG#20~AWG#16
- 5.Compliant to the current RoHS

CH-TJC4001-1	3.2	2.8	5.2	4.8
CH-TJC4001	2.00	1.85	5.2	4.8
Part No.	A	B	C	D

CUSTOMER DRAWING						Title: 4.0mm pitch WTW/WTB Socket contact	
Drawn	Pei.Yang 2022.05.21	Unit	Scale	Size	Edition	Part No.:	CH-TJC4001-XX
Checked	Guoying.Wang 2022.05.21	mm	4:1	A4	B	Previous part No.: /	
		Sheet No. 1 Of 1				Document No.: CP-DWG-01576	
Approved	Dongxu.Liu 2022.05.21	CWB				Specification No.: PS4168	

		1	2	3	4	5	6	7	8	9	10		
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											



Notes:

1.Material:

Wafer: PA66+GF UL94 V-0 GWT750℃/

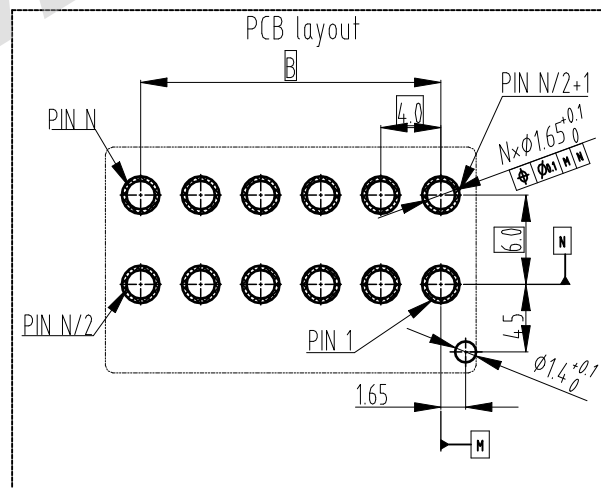
PBT+GF UL94 V-0

Post: brass, tin Plated

2.Matched housing: TJC4001-2XnY

3.Packaging: packing bag

4.Compliant to the current RoHS



TJC4001-2X7AD	27.4	24.0	28.7
TJC4001-2X6AD	23.4	20.0	24.7
TJC4001-2X5AD	19.4	16.0	20.7
TJC4001-2X4AD	15.4	12.0	16.7
TJC4001-2X3AD	11.4	8.00	12.7

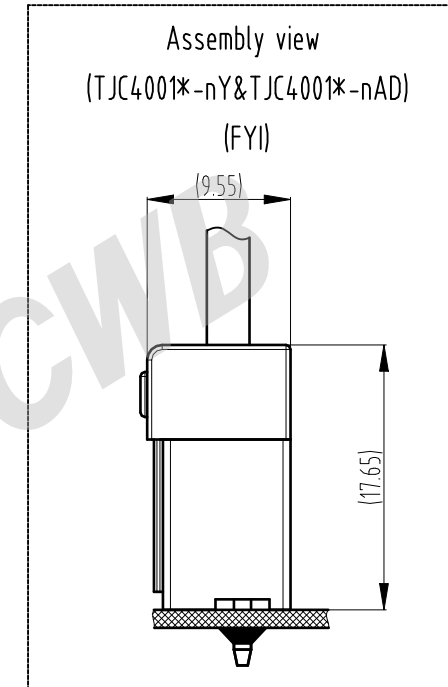
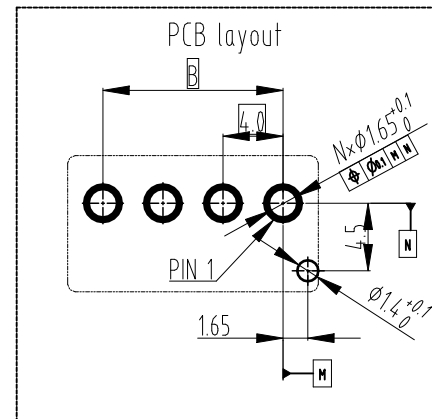
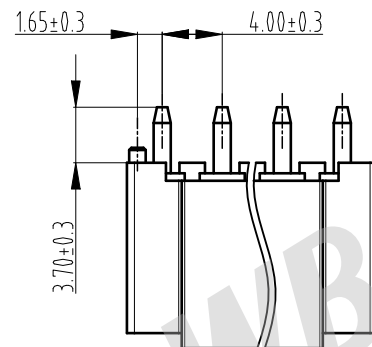
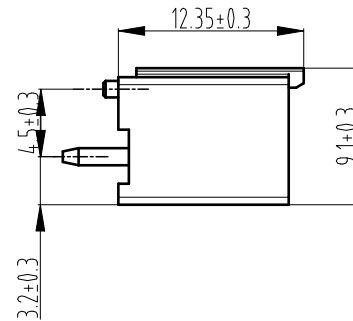
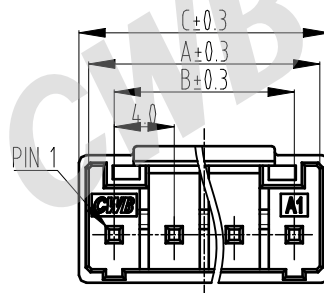
Part No.	A	B	C
	Dimension		

CUSTOMER DRAWING

Title:
4.0mm pitch WTB header

Drawn	Pei.Yang 2022.05.21	Unit	Scale	Size	Edition	Part No.: TJC4001-2XnAD*(*-*)
Checked	Guoying.Wang 2022.05.21	mm	2.5:1	A4	B	Previous part No.: /
		Sheet No.		1 Of 1		Document No.: CP-DWG-01579
Approved	Dongxu.Liu 2022.05.21	CWB				Specification No.: PS4168

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					



Notes:

1.Material:

Wafer: PA66+GF UL94 V-0 GWT750℃/

PBT+GF UL94 V-0

Post: brass, tin Plated

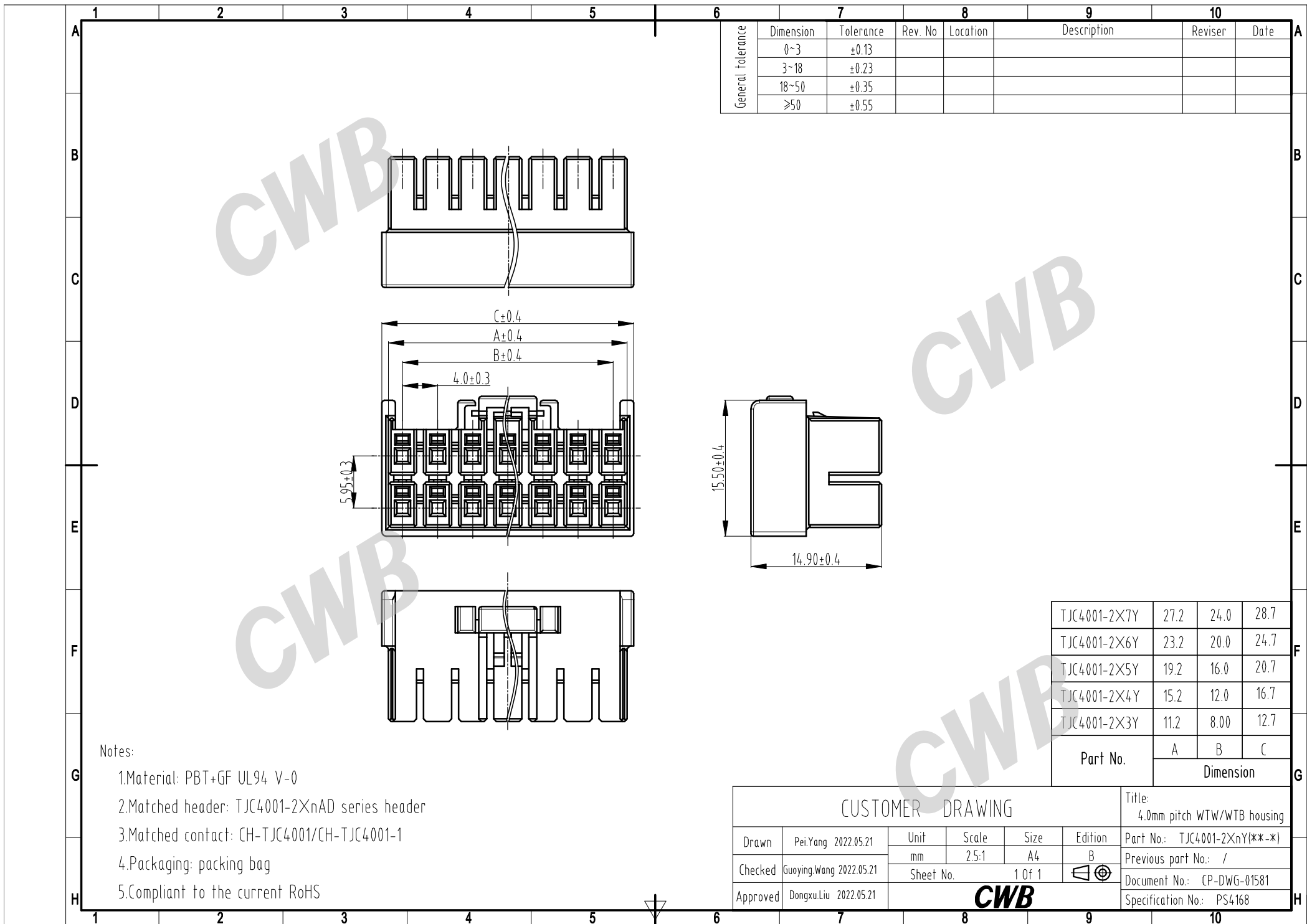
2.Matched housing: TJC4001-nY/TJC4001B-nY/TJC4001C-nY/TJC4001D-nY

3.Packaging: packing bag

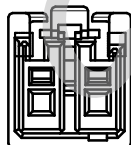
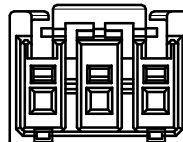
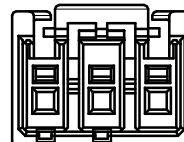
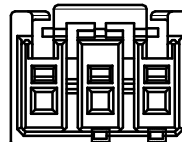
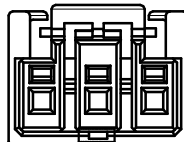
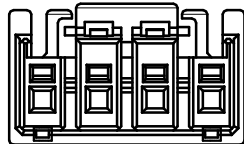
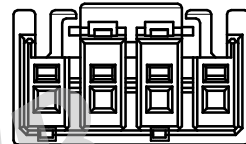
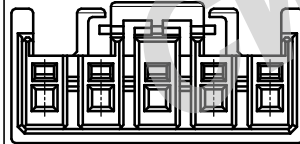
4.Compliant to the current RoHS

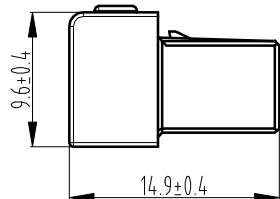
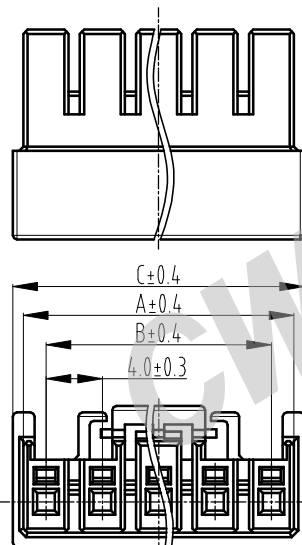
CUSTOMER DRAWING						Title: 4.0mm pitch WTB header
Drawn	Pei.Yang 2022.05.21	Unit	Scale	Size	Edition	Part No.: TJC4001*-nAD(**-*)
Checked	Guoying.Wang 2022.05.21	mm	2.5:1	A4	B	Previous part No.: /
		Sheet No. 2 Of 2				Document No.: CP-DWG-01578
Approved	Dongxu.Liu 2022.05.21	CWB				Specification No.: PS4168

CWB



						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					

	TYPE A	TYPE B	TYPE C	TYPE D
2P				
3P				
4P				
5P				



TYPE D	TJC4001D-4Y				TYPE A	TJC4001-5Y	19.2	16.0	20.7
	TJC4001D-3Y	11.2	8.00	12.7		TJC4001-4Y	15.2	12.0	16.7
	TJC4001D-2Y					TJC4001-3Y	11.2	8.00	12.7
TYPE C	TJC4001C-4Y				Key No.	Part No.	A	B	C
	TJC4001C-3Y	11.2	8.00	12.7					
	TJC4001C-2Y								

Notes:

1.Material: PBT+GF UL94 V-0

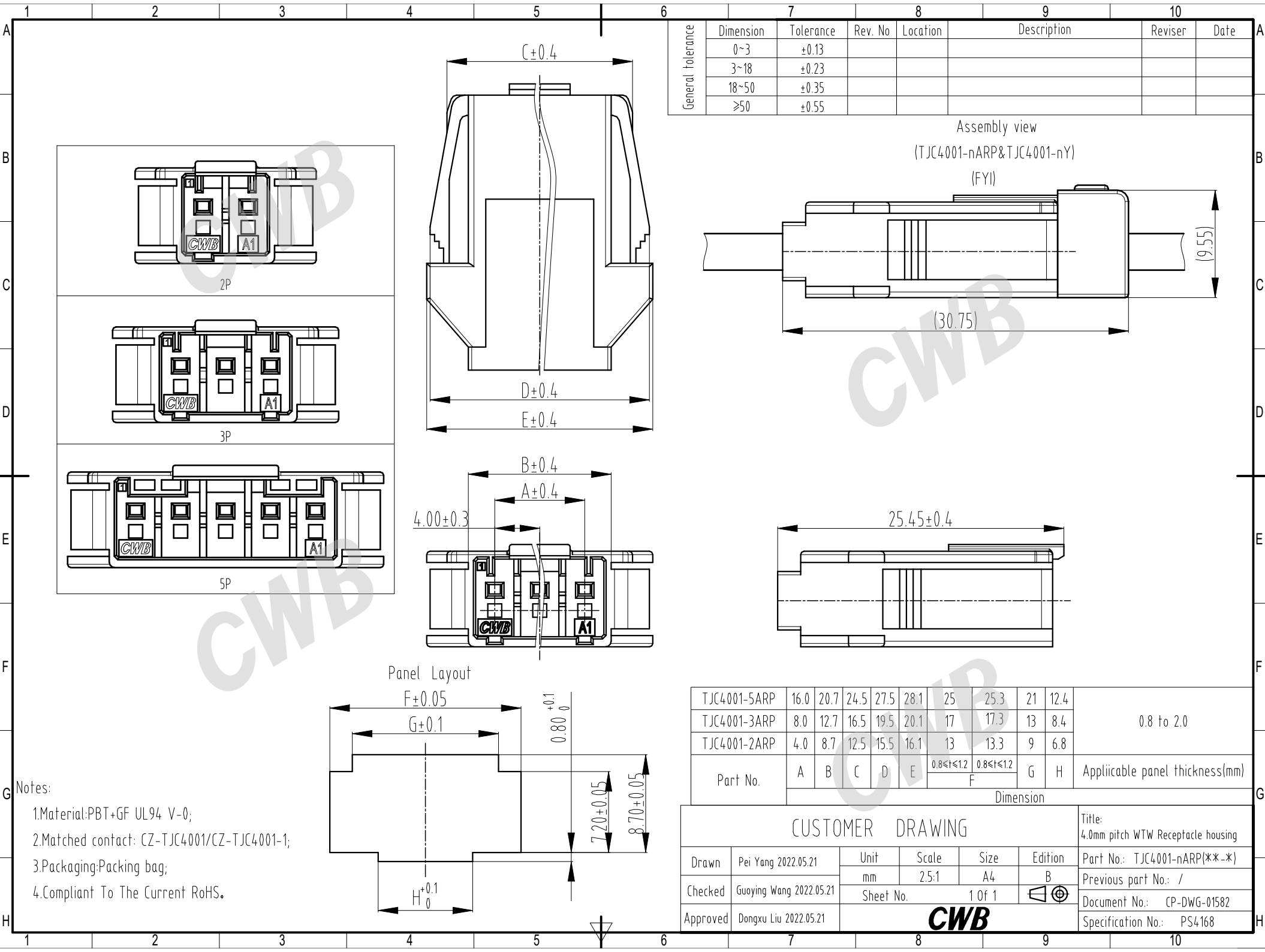
2.Matched header: TJC4001*-nAD series header

3.Matched contact: CH-TJC4001/CH-TJC4001-1

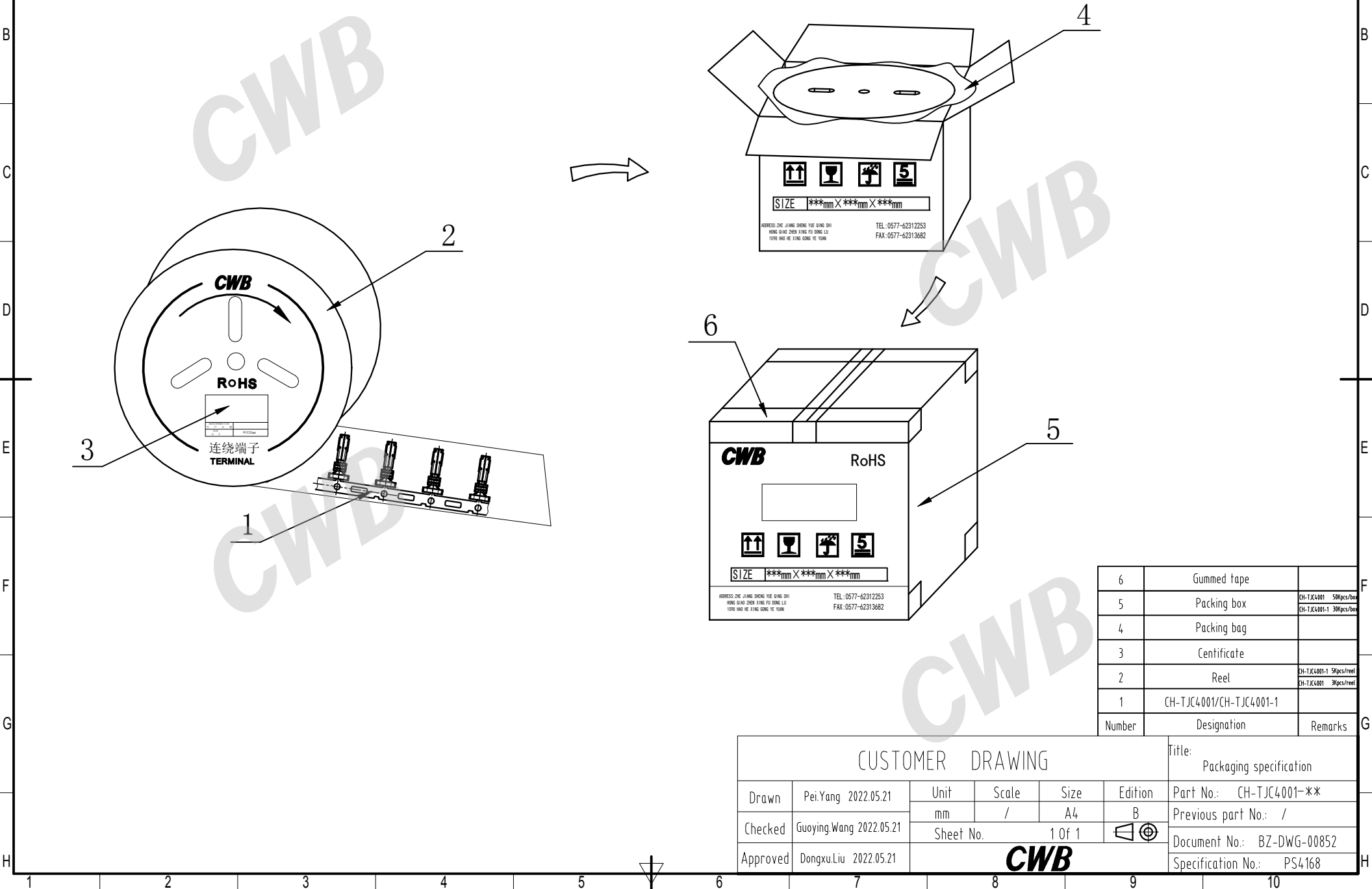
4.Packaging: packing bag

5.Compliant to the current RoHS

CUSTOMER DRAWING						Title: 4.0mm pitch WTW/WTB housing			
Drawn	Pei.Yang 2022.05.21	Unit	Scale	Size	Edition	Part No.: TJC4001*-nY(*-*-*)			
Checked	Guoying.Wang 2022.05.21	mm	2.5:1	A4	B	Previous part No.: /			
Approved	Dongxu.Liu 2022.05.21	Sheet No.	1 of 1			Document No.: CP-DWG-01580			
						Specification No.: PS4168			

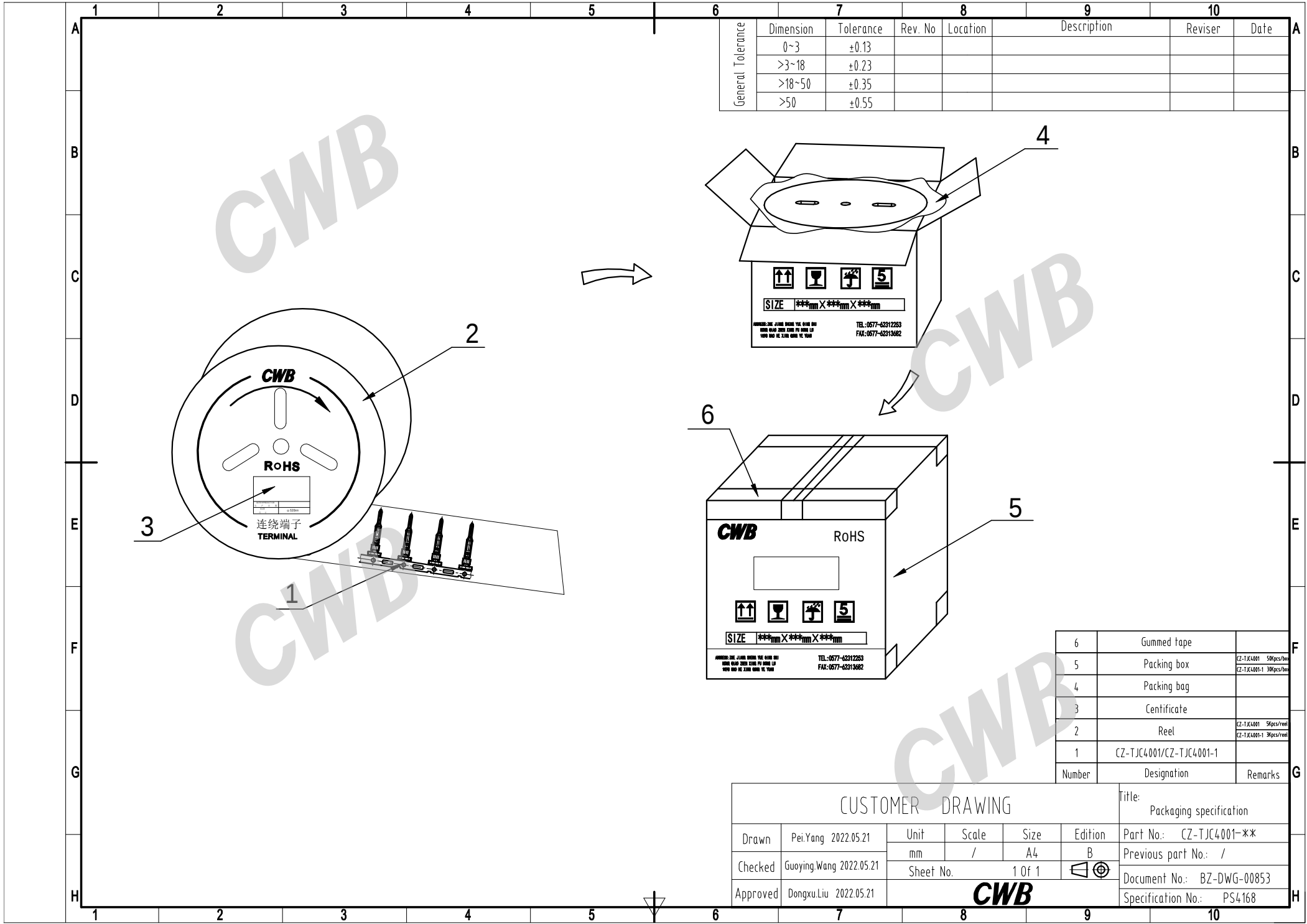


General Tolerance	Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
	0~3	±0.13					
	>3~18	±0.23					
	>18~50	±0.35					
	>50	±0.55					



6	Gummed tape	
5	Packing box	CH-TJC4001 50pcs/box CH-TJC4001-1 30pcs/box
4	Packing bag	
3	Certificate	
2	Reel	CH-TJC4001-1 50pcs/reel CH-TJC4001 30pcs/reel
1	CH-TJC4001/CH-TJC4001-1	
Number	Designation	Remarks

CUSTOMER DRAWING						Title: Packaging specification	
Drawn	Pei.Yang 2022.05.21	Unit	Scale	Size	Edition	Part No.:	CH-TJC4001-**
Checked	Guoying.Wang 2022.05.21	mm	/	A4	B	Previous part No.:	/
		Sheet No. 1 Of 1				Document No.:	BZ-DWG-00852
Approved	Dongxu.Liu 2022.05.21	CWB				Specification No.:	PS4168



	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						
								50~120	±0.55						
B															B
C															C
D															D
E															E
F															F
G															G
H															H

Packing bag

Packing box

Diagram illustrating the packing process. A packing bag (1) is shown next to a packing box (2). The box is labeled with 'CWB' and 'RoHS'. Dimensions 3, 4, and 5 are indicated on the box. The box also features a size label and a list of items: Packing box, Gummed tape, Packing bag, Certificate, and TJC4001*-nY/TJC4001-2XnY.

5	Packing box	TJC4001-2X7Y	200	
4	Gummed tape	TJC4001-2X6Y	200	
3	Packing bag	TJC4001-2X5Y	300	
2	Certificate	TJC4001-2X4Y	300	
1	TJC4001*-nY/TJC4001-2XnY	TJC4001-5Y	500	
		TJC4001*-4Y	500	
		TJC4001*-3Y	1000	
		TJC4001-2Y	1000	

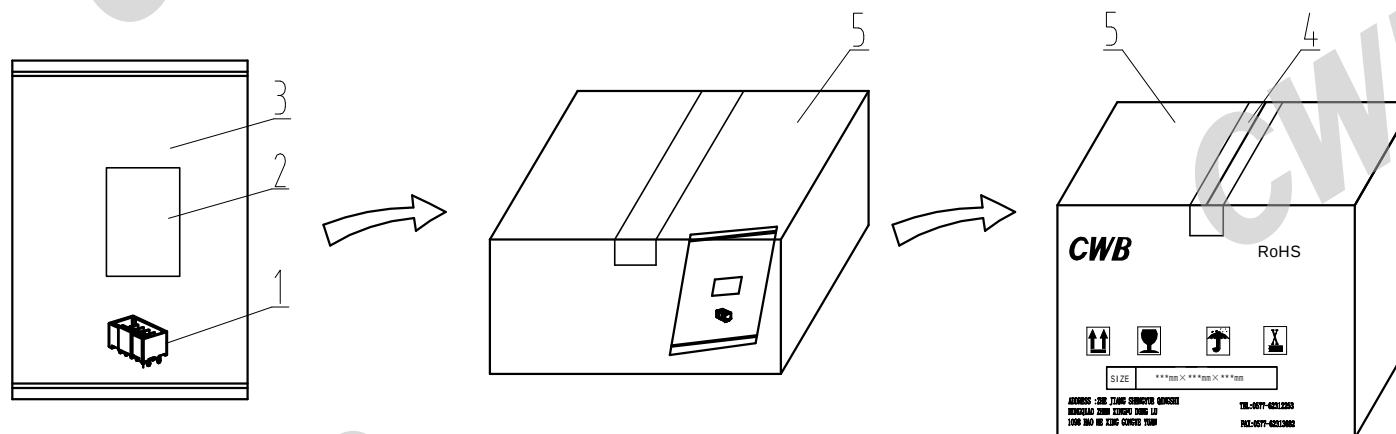
Number	Designation	Part No.	Pcs/ bag	Remarks
CUSTOMER DRAWING		Title: Packaging specification		
Drawn	Pei.Yang 2022.05.21	Unit	Scale	Size
Checked	Guoying Wang 2022.05.21	mm	/	A4
Approved	Dongxu.Liu 2022.05.21	Sheet No.	1 of 1	B
				Document No.: BZ-DWG-00855
				Specification No.: PS4168

General tolerance	Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
	0~3	±0.13					
	3~18	±0.23					
	18~50	±0.35					
	50~120	±0.55					

Packing bag

Inner box

Packing box



5	Packing box
4	Gummed tape
3	Packing bag
2	Certificate
1	TJC4001*-nAD/TJC4001-2XnAD
Number	Designation

TJC4001-2X7AD	200	
TJC4001-2X6AD	200	
TJC4001-2X5AD	300	
TJC4001-2X4AD	300	
TJC4001-2X3AD	300	
TJC4001-5AD	500	
TJC4001*-4AD	500	
TJC4001*-3AD	1000	
TJC4001-2AD	1000	
Part No.	Pcs/ bag	Remarks

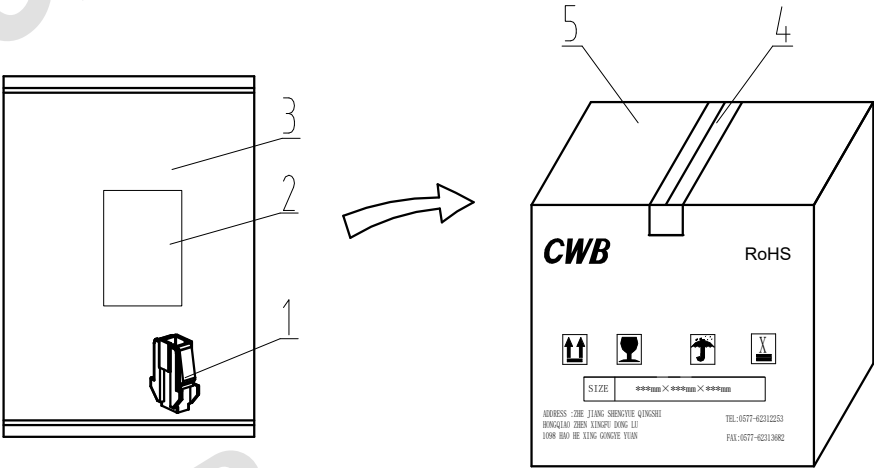
CUSTOMER DRAWING						Title: Packaging specification	
Drawn	Pei.Yang 2022.05.21	Unit	Scale	Size	Edition	Part No: TJC4001*-nAD/TJC4001*-2xnAD*[*x*-x] Previous part No.: / Document No.: BZ-DWG-00854 Specification No.: PS4168	
Checked	Guoying Wang 2022.05.21	mm	/	A4	B		
Approved	Dongxu.Liu 2022..05.21	Sheet No.	1 of 1				

	1	2	3	4	5	6	7	8	9	10	
A											A
B											B
C											C
D											D
E											E
F											F
G											G
H											H

General Tolerance	Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
	0~3	±0.13					
	3~18	±0.23					
	18~50	±0.35					
	50~120	±0.55					

Packing bag

Packing box



5	Packing box			
4	Gummed tape			
3	Packing bag			
2	Certificate	TJC4001-SARP	500	
1	TJC4001-nARP	TJC4001-3ARP	500	
		TJC4001-2ARP	500	
Number	Designation	Part No.	Pcs/ bag	Remarks

CUSTOMER DRAWING						Title: Packaging specification	
Drawn	Pei.Yang 2022.05.21	Unit	Scale	Size	Edition	Part No.: TJC4001-nARP(**-*)	
Checked	Guoying.Wang 2022.05.21	mm	/	A4	B	Previous part No.: /	
		Sheet No.			1 Of 1		Document No.: BZ-DWG-00856
Approved	Dongxu.Liu 2022.05.21	CWB				Specification No.: PS4168	

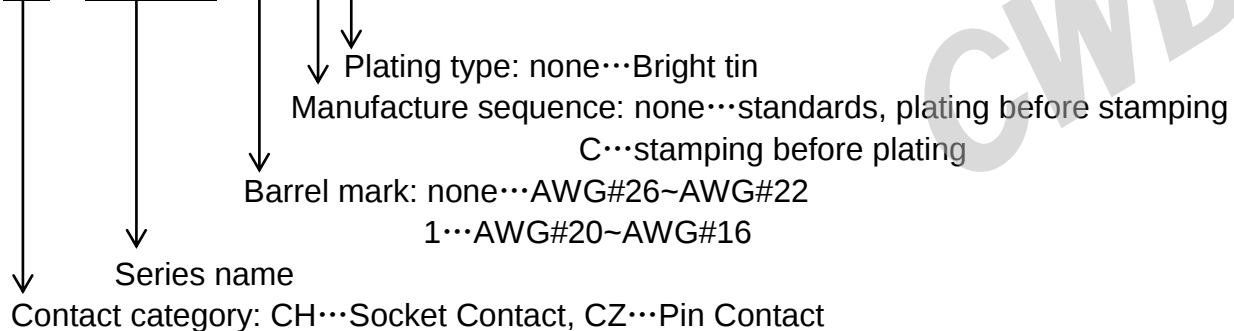
TJC4001 系列命名规则

TJC4001 series naming conventions

1. Pin contact/ Socket contact

CH-TJC4001-*-**, CZ-TJC4001-*-**

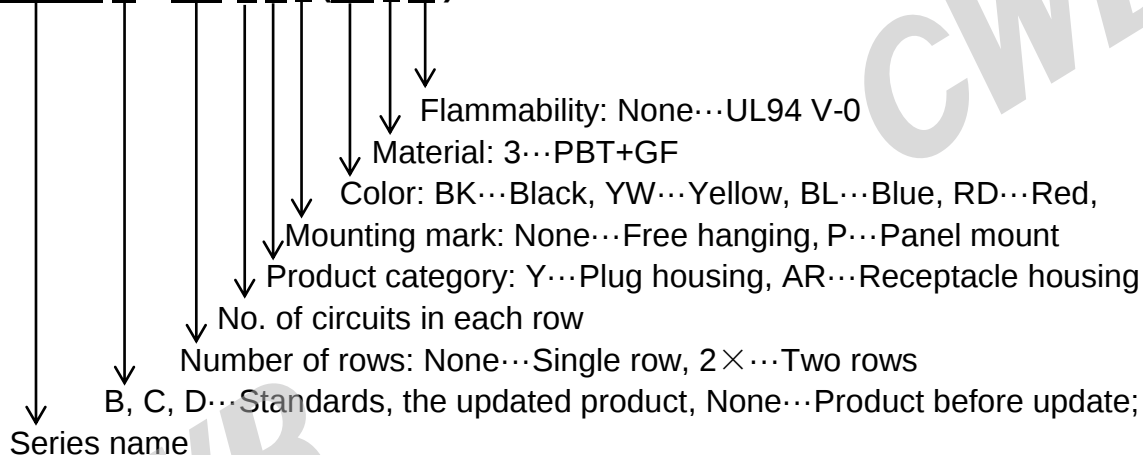
CH - TJC4001 - * - * *



2. Housing/ Receptacle housing

TJC4001-nY (**-*), TJC4001B-nY (**-*), TJC4001C-nY (**-*), TJC4001D-nY (**-*),
TJC4001-2×nY (**-*), TJC4001-nARP(**-*)

TJC4001 B - 2× n Y * (BL * - *)



3. Header

TJC4001-nAD(**-*), TJC4001B-nAD(**-*), TJC4001C-nAD(**-*), TJC4001D-nAD(**-*),
TJC4001-2×nAD(**-*)

TJC4001 B - 2 × n A * * * (BL * - *)

