

标题: TJC20084 系列连接器

Title: TJC20084 Connector

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	审核 Check: 王国英 2022. 6. 6	编号 Document No.: PS4170
	批准 Approval: 刘冬旭 2022. 6. 6	版本 Revision: V5



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	杨培 2022/06/06 Pei Yang2022/06/06
V1	/	更新产品 30 次拉力数据 Update the 30th drawing power data of the product	路欢 2023/01/30 Huan Lu2023/01/30
V2	/	根据客户要求更新生产地，生产工厂等信息 Update production location, production plant and other informatio1n according to customer requirements	钱斌豪 2023/08/16 Binhao Qian 2023/08/16
V3	/	规格书更新 Specification update	钱斌豪 2023/08/31 Binhao Qian 2023/08/31
V4	/	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	徐秋秋 2024/03/21 Qiuqiu Xu 2024/03/21
V5	/	更新 TJC20084-2×nAWJD,TJC20084-2×nY 产品型号 Update the product models of TJC20084-2 ×nAWJD and TJC20084-2 ×nY	倪嘉伟 2025/04/19 Jiawei.Ni 2025/04/19

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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 2.0 阴型 & 阳型电子连接器, 产品名称: TJC20084 系列连接器。

This product specification covers the requirement for wire to board 2.0mm pitch Receptacle & Plug connector, which are designed and manufactured by CWB Electronics(ZheJiang) Co.,LTD. P/N: TJC20084 Connector.

3.产品描述 Product description

TJC20084 系列连接器产品为家电连接器产品, 产品部件组成如下:

The TJC20084 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 Contact	CH-TJC20084-**	/	AWG#22~AWG#28
孔座 双排 Housing 2 rows	TJC20084-2×nY(**-*)	/	PA66 UL94V-0 Brominate free,Red Phosphorus free
阳连接器 双排 (立式, 直插) Header (V, DIP,2 rows)	TJC20084-2×nA * (**-*)	/	Wafer: PA66+GF UL94V-0 Post: Brass, tin plated Brominate,Red Phosphorus free
阳连接器 双排 (立式, 直插) Header (V, DIP,2 rows)	TJC20084-2×nA1.7* (**-*)	/	Wafer: PA66+GF UL94V-0 Post: Brass, tin plated Brominate,Red Phosphorus free
阳连接器 双排 (立式, 直插, 含定位柱) Header (V, DIP,W/Boss,2 rows)	TJC20084-2×nAD* (**-*)	/	Wafer: PA66+GF UL94V-0 Post: Brass, tin plated Brominate,Red Phosphorus free
阳连接器 双排 (卧式, 直插, 含定位柱, 带挡板) Header(H,DIP,W/Boss,W/PCB stabilizer,2 rows)	TJC20084-2×nAWJD* (**-*)	/	Wafer: PA66+GF UL94V-0 Post: Brass, tin plated Brominate,Red Phosphorus free

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 电子设备用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.

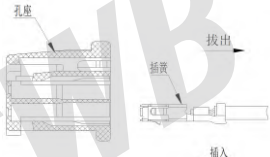
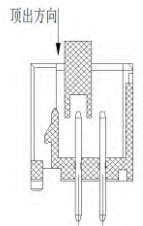
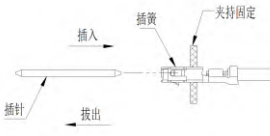
5.参数范围 Parameter ratings:

额定电流 [AC(有效值)/DC] Rated current [AC(rms)/DC]	AWG#22 3A Max	AWG#24 2A Max	AWG#26 1.5A Max	AWG#28 1A Max
适用 PCB 板 Applicable PCB	Board thickness:1.6±0.1mm Hole diameter: φ 0.8(+0.1/0)mm			
额定电压[AC(有效值)/DC] Rated voltage [AC(rms)/DC]	250V			
使用温度范围（包含温升） Operating temperature range (include temperature rise)	-25℃~+85℃			
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)	Wire size: AWG#28~AWG#22 (0.08mm~0.33 mm) Insulation diameter: φ 0.76 mm- φ 1.5mm			

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6. 产品性能 Performance

6.1 机械性能 Mechanical

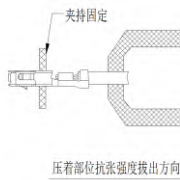
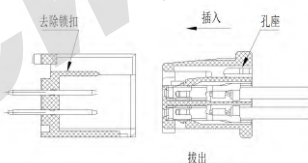
序号 No.	项 目 Item	测试条件 Test condition	规 格 Requirement
6.1.1	外观 Appearance	目测 Checking by eyes 视力: 1.0 以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m GB/T 5095.2 Method 1a	1. 塑料件表面应无明显疤痕、凹陷、开裂及影响使用的变形。 Plastic part: smooth and flat surface without discolor, broken, 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1~5 mm/sec。 The force of inserting and pulling the contact into and out of the housing along the axis shall be measured (Testing speed: 1~5 mm/sec.) 	插入力: $\leq 10\text{N}$ 固定力: $\geq 15\text{N}$ Insertion force: $\leq 10\text{N}$ Retention force: $\geq 15\text{N}$
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 1~5 mm/sec。 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: 1~5 mm/sec.) 	10N Min
6.1.4	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.) 	插入力: $\leq 9.8\text{N}$ 拔出力: $\geq 0.2\text{N}$ Insertion force: $\leq 9.8\text{N}$ Retention force: $\geq 0.2\text{N}$

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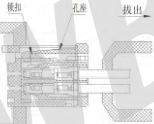
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6.1.5	压着部位抗张强度 Crimp tensile strength	在已压接端子的头部和导线上施加拉力，并测量将导线从端子拉出或导线断裂所需的力，测试速度 1~5 mm/sec。 Pulling load shall be applied to a correctly crimped contact and a wire. The load required to pull the wire out of the contact or break the wire shall be measured. (Testing speed: 1~5 mm/sec.) 	压着式连接器 Crimp Conn AWG# 28: 10N Min. AWG #26: 20N Min. AWG# 24: 30N Min. AWG# 22: 40N Min.				
6.1.6	成品插入力与拔出力 Insertion force and withdrawal force	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 1~5 mm/sec。 A housing with crimped/IDC 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: 1~5 mm/sec.) 	No. of poles	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.	
				8	35N	4.0 N	3.0 N
				10	40 N	5.0 N	4.0 N
				12	45 N	6.0 N	5.0 N
				14	50 N	7.0 N	6.0 N
				16	55 N	8.0 N	7.0 N
				18	60 N	9.0 N	8.0 N
				20	65 N	10.0 N	9.0 N
				22	70 N	11.0 N	10.0 N
				24	75 N	12.0 N	11.0 N
				26	80 N	13.0 N	12.0 N
				28	85 N	14.0 N	13.0 N
				30	90 N	15.0 N	14.0 N
				32	95 N	16.0 N	15.0 N
				34	100 N	17.0 N	16.0 N
				36	105 N	18.0 N	17.0 N
				38	110 N	19.0 N	18.0 N
40	115 N	20.0 N	19.0 N				
6.1.7	机械振动 Vibration	插入连接器，串联在直流电源上，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: 1 min. Amplitude: 1.52mm. 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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6.1.8	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.
6.1.9	机械寿命 Durability	以 50mm/min 速度插拔 30 次 30cycles for mating and unmating test at the speed of 50mm/min 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.
6.1.10	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, 测试速度1~5 mm/sec., 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(Testing speed: 1~5 mm/sec.)  GB/T 5095.8 Method 15a / EIA-364-29B	29.6 N 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(使用 26AWG) 测试电流: 100mA 开路电压: 20mV Mate connectors with dry circuit to test contact resistance (Apply 26AWG) Test current:100mA Open voltage:20mV GB/T 5095.2 Method 2a / EIA-364-23B	10m Ω Max. (Initial) 20m Ω 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 800V AC (有效值),漏电流 1mA 的电压作用,时间 1min. Apply a voltage of 800V 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

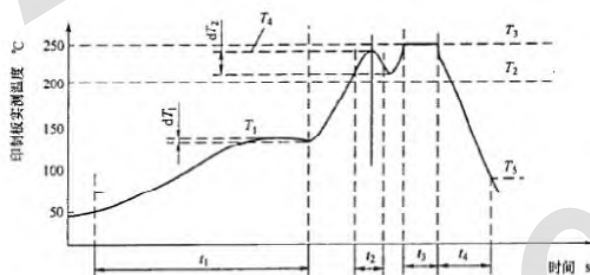
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序号 No.	项 目 Item	测试条件 Test condition	规 格 Requirement																	
6.3.1	耐高温 Heat resistance	连接器配合后, 于 (85±2)℃ 的空气中放置 250 小时, 再回到室温中放置 (1~2) 小时测定 Mated connectors exposed to the condition of (85±2)℃ for 250 hours, recovery time (1~2) hours GB/T 5095.6 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)℃ 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: 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.																	
6.3.3	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: 500V Min. Withstand voltage: 500V 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</td><td>℃</td><td>Duration</td></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	℃	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: 500V Min. Withstand voltage: 500V Min.		
Temperature	℃	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	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)℃、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	接触电阻: 20mΩ Max. Contact resistance: 20mΩ Max.																	
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		(40±3)°C, humidity 80±5%, H ₂ S gas concentration of 3±1ppm for 96 hours	
6.3.8	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) °C, 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 EIA-364-52	上锡率≥90%: Solder coverage: ≥90%
6.3.9	耐焊接热 Resistance to soldering heat	1.耐波峰焊热: 把试验样品需要焊接的部位(模拟单面板需浸入 2/3 针长, 模拟双面板需浸入全部针长)浸入焊锡炉中,锡炉温度 (260±5) °C; 时间 (5±1) 秒后, 在正常条件下恢复 (1~2) 小时。(温度曲线见图 1) 2.手工焊接: 温度 (350±10) °C, 时间(1~2) s 1.Heat resistance to wave peak welding: Immerse the parts of the test sample that need to be welded (the simulated single panel should be immersed in 2/3 of the needle length, the simulated double panel should be immersed in the whole needle length) in the soldering furnace, and the temperature of the tin furnace is (260±5) °C;After (5±1) seconds, it recovers (1-2) hours under normal conditions.(Temperature curve is shown in Figure 1) 2.Manual soldering: (350±10)°C for (1~2) s.	外观: 无损伤 (参照6.1.1) Appearance: no damage.(refer to 6.1.1)

Pb-free Wave soldering Temperture profile



图中: $T_1 > 150^{\circ}\text{C}$ $T_2 > 220^{\circ}\text{C}$ $T_3 = 250^{\circ}\text{C} \pm 2^{\circ}\text{C}$ $T_4 > 230^{\circ}\text{C}$ $T_5 < 80^{\circ}\text{C}$
 $dT_1 < 5^{\circ}\text{C}$ $dT_2 < 15^{\circ}\text{C}$ $t_1 > 60\text{s}$ $t_2 + t_3 > 3\text{s} \sim 5\text{s}$ $T_3 - T_1 < 100^{\circ}\text{C}$

图 1 波峰焊曲线图

产品名称 Product name	TJC20084 系列连接器	编号 Document No.	PS4170	版本号 Version No.	V5
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产品规格书

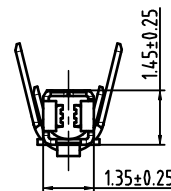
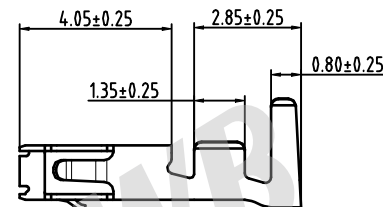
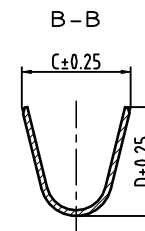
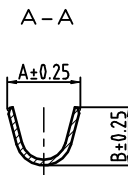
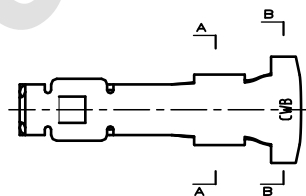
PRODUCT SPECIFICATION

7.测试分组 Test sequences (Samples:5PCS)

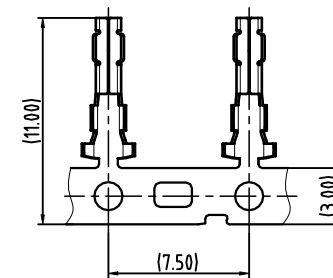
测试组 Group number	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
外观 Appearance	1	1	1	1	1	1,5	1,3	1,3	1,5	1	1,5	1,5	1,7	1,7	1,5	1,3	1	1	1,3
端子插入力与固定力 Insertion force and retention force for contact	2																		
针的固定力 Post retention force		2																	
插簧与插针的插拔力 Insertion and withdrawal force for pin 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													
机械冲击 Shock							2												
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					
温升 Temperature rise										2									
耐电压 Withstand voltage													6	6					
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				
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		
可焊性 Solderability																		2	
耐焊接热 Resistance to soldering heat																			2

产品名称 Product name	TJC20084 系列连接器	编号 Document No.	PS4170	版本号 Version No.	V5
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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:

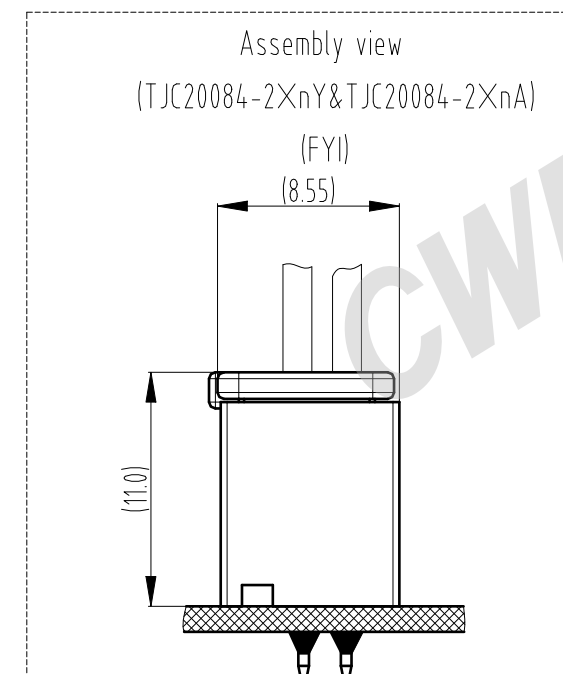
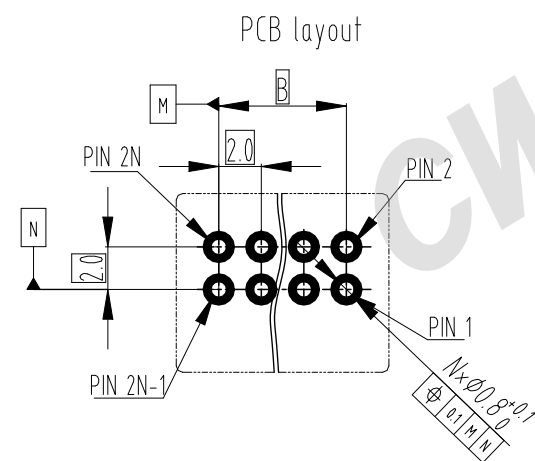
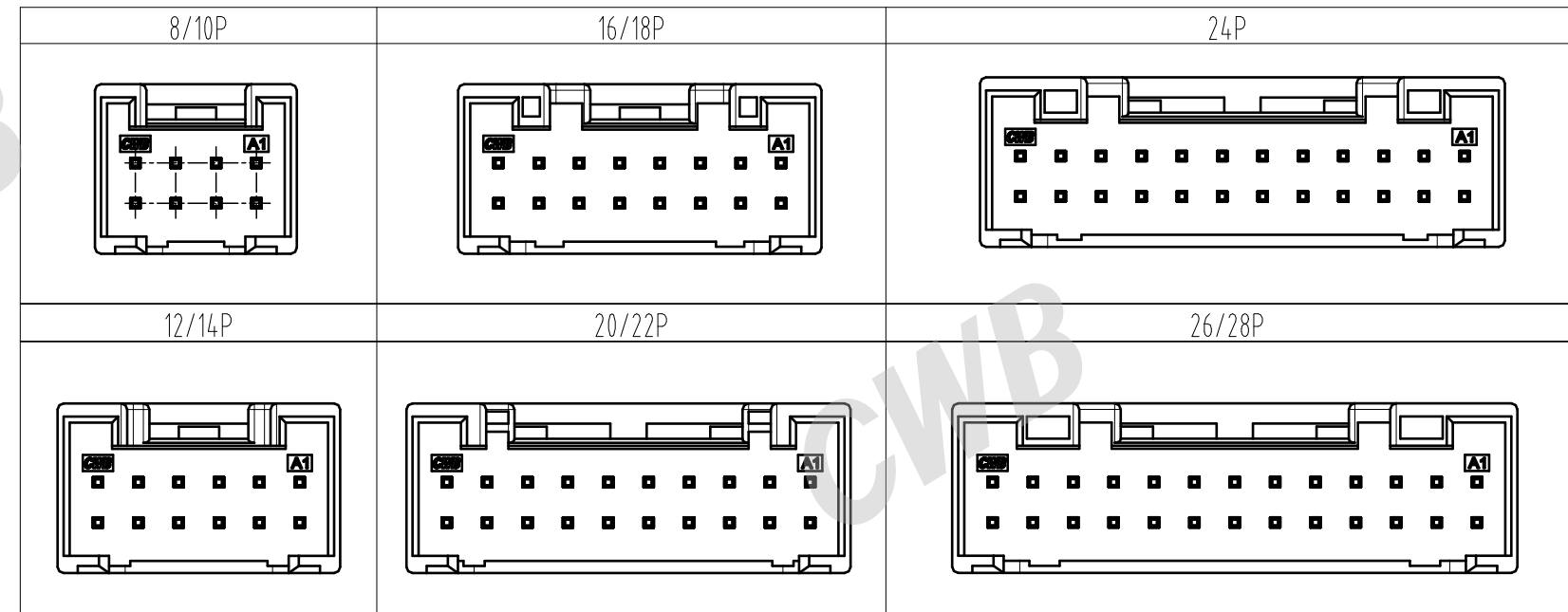
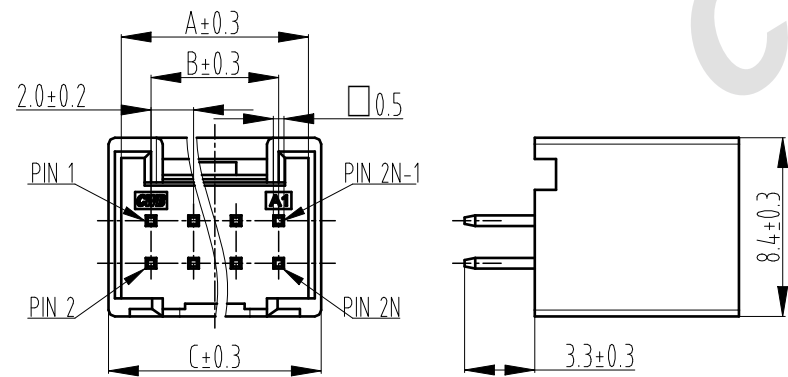
- 1.Material: Phosphor bronze,thickness=0.15mm
- 2.Surface finish: tin plated
- 3.Matched housing: TJC20084-2XnY
- 4.Applicable wires: CH-TJC20084:AWG#22~AWG#24
CH-TJC20084-1:AWG#26~AWG#28
- 5.Compliant to the current RoHS

CH-TJC20084-1	1.5	1.3	2.1	2.1	AWG#26 ~AWG#28
CH-TJC20084	1.95	1.55	2.9	2.9	AWG#22 ~AWG#24
Part No.	A	B	C	D	Applicable Wire

CUSTOMER DRAWING						Title: 2.0mm pitch WTB contact
Drawn	Pei.Yang 2022.06.06	Unit	Scale	Size	Edition	Part No.: CH-TJC20084-*
		mm	5:1	A4	B0	Previous part No.: /
Checked	Guoying.Wang 2022.06.06	Sheet No. 1 Of 1				Document No.: CP-DWG-01588
Approved	Dongxu.Liu 2022.06.06	CWB				Specification No.: PS4170

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					



TJC20084-2×14A	28.8	26.00	30.0
TJC20084-2×13A	26.8	24.00	28.0
TJC20084-2×12A	24.8	22.00	26.0
TJC20084-2×11A	22.8	20.00	24.0
TJC20084-2×10A	20.8	18.00	22.0
TJC20084-2×9A	18.8	16.00	20.0
TJC20084-2×8A	16.8	14.00	18.0
TJC20084-2×7A	14.8	12.00	16.0
TJC20084-2×6A	12.8	10.00	14.0
TJC20084-2×5A	10.8	8.00	12.0
TJC20084-2×4A	8.80	6.00	10.0
Part No.	A	B	C
	Dimension		

Notes:

1.Material:

Wafer: PA66+GF UL94 V-0

Post: brass, tin Plated

2. Matched housing: TJC20084-2XnY

3. Packaging: packing bag

4.Compliant to the current RoHS

CUSTOMER DRAWING

Title:

2.0mm pitch WTB header

Drawn	Pei.Yang 2022.5.21
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Unit	Scale
mm	2:1

Approved	Dongxu.Liu 2022.05.21
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Sheet No. 1 Of 1

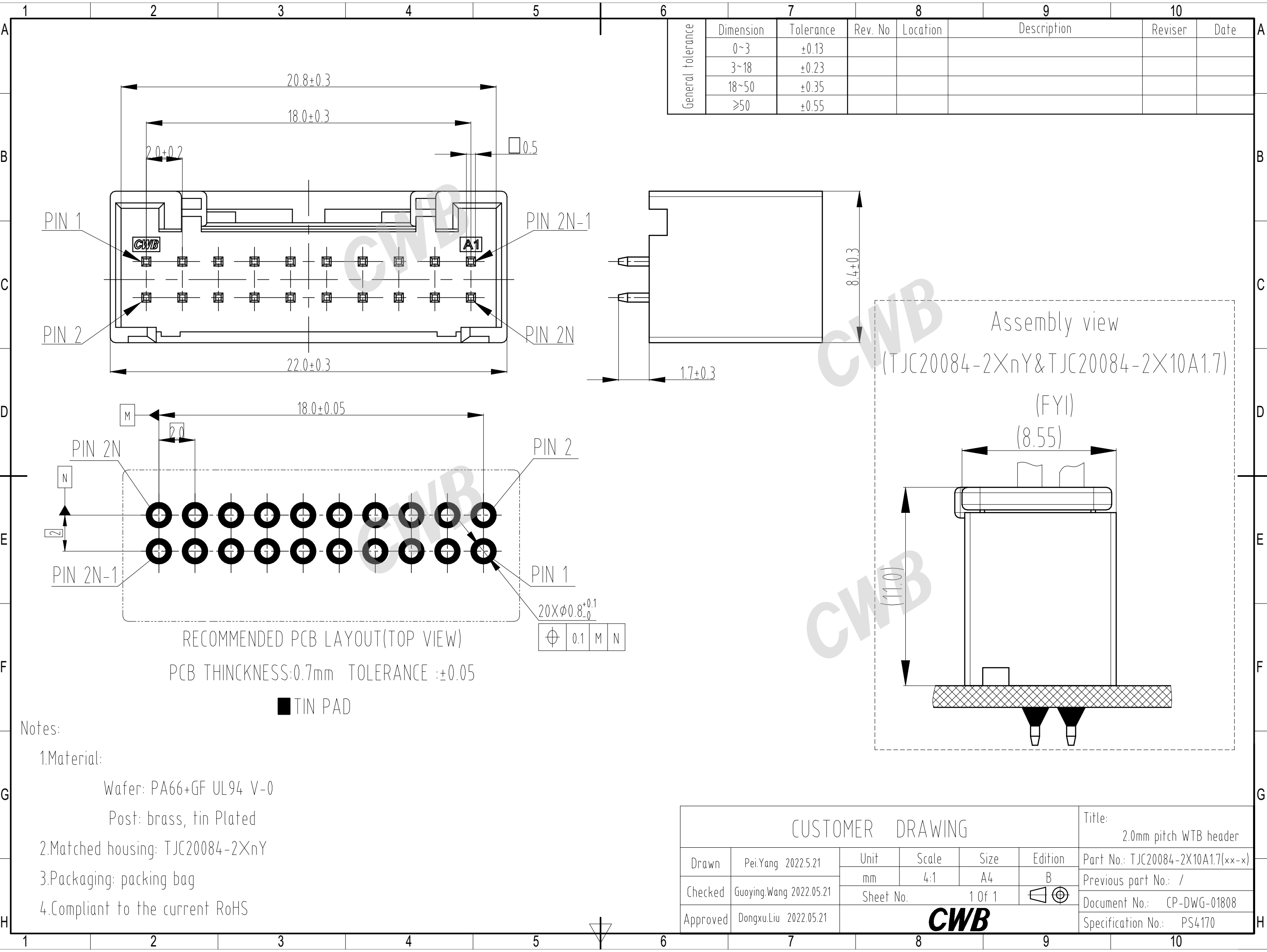
CWB

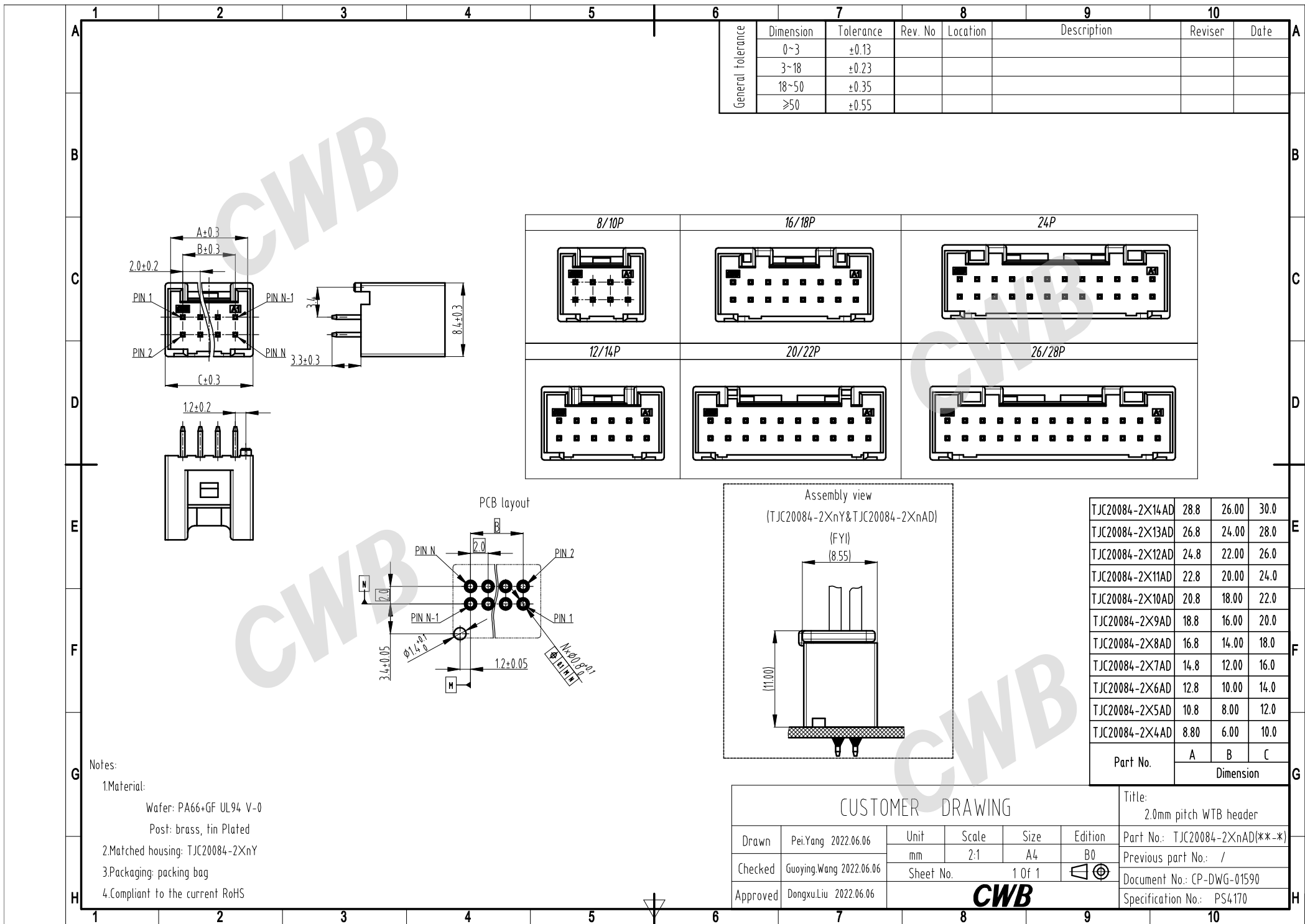
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Part No.:	TJC20084-2XnA(**-*)

Part No.: JLCZ0004-ZX11A(**-*)
Previous part No.: /

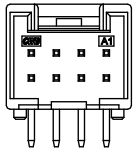
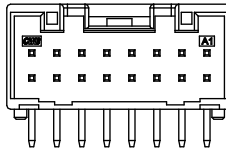
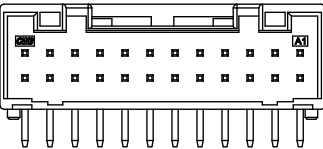
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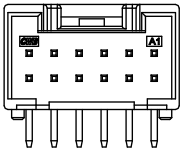
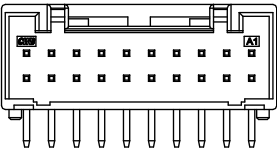
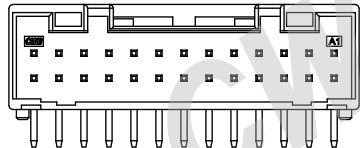
Specification No.: PS4170

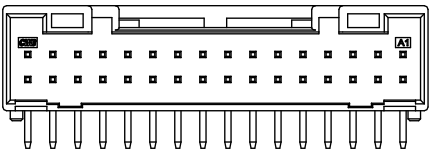
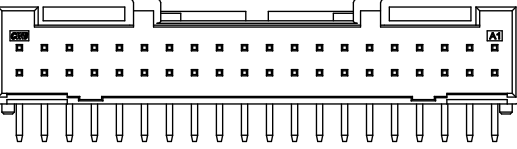


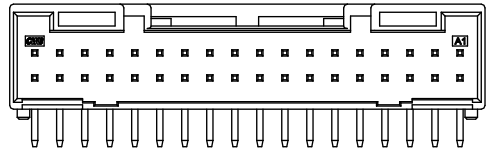


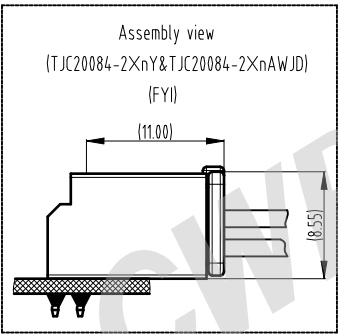
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General tolerance	Dimension	Tolerance	Rev. No	Location	Description		Reviser	Date
	0~3	±0.13	△		Add TJC20084-2X15~20AWJD header		Jiawei.Ni	2025.4.28
	3~18	±0.23						
	18~50	±0.35						
	≥50	±0.55						

		8/10P	16/18P	24P
C	A			

		12/14P	20/22P	26/28P
C	A			

		30/32P	38/40P
C	A		

		34/36P
C	A	

		Assembly view (TJC20084-2XnY&TJC20084-2XnAWJD) (FYI)
C	A	

Notes:

1.Material:
Wafer: PA66+GF UL94 V-0
Post: brass, tin Plated
2.Matched housing: TJC20084-2XnY
3.Packaging: packing bag
4.Compliant to the current RoHS

CUSTOMER DRAWING

Drawn

Pei.Yang 2022.06.06

Checked

Guoying.Wang 2022.06.06

Approved

Dongxu.Liu 2022.06.06

Unit

mm

Scale

2:1

Size

A4

Edition

B1

Sheet No.

1 Of 1



CWB

Title:

2.0mm pitch WTB header

Part No.:

TJC20084-2XnAWJD(**.*)

Previous part No.:

/

Document No.:

CP-DWG-01591

Specification No.:

PS4170

Dimension

General tolerance	Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
	0~3	±0.13	△		Add TJC20084-2X15,17,19 housing	Jiawei.Ni	2025.4.28
	3~18	±0.23					
	18~50	±0.35					
	≥50	±0.55					

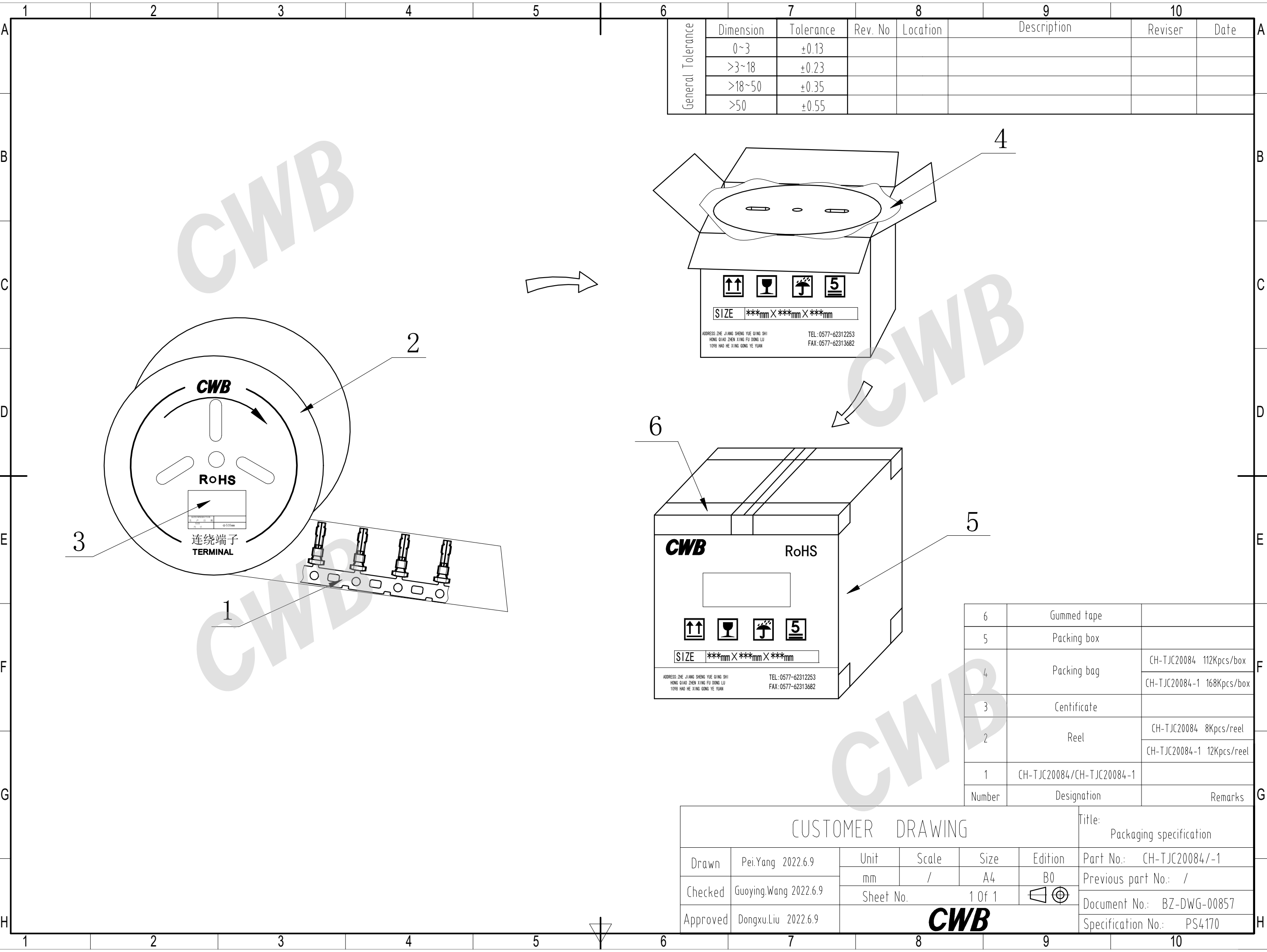
8/10P		16/18P		24P		△ 30/32/34/36P	
12/14P		20/22P		26/28P		△ 38/40P	

△	TJC20084-2×20Y	40.70	38.00
△	TJC20084-2×19Y	38.70	36.00
	TJC20084-2×18Y	36.70	34.00
△	TJC20084-2×17Y	34.70	32.00
△	TJC20084-2×16Y	32.70	30.00
△	TJC20084-2×15Y	30.70	28.00
	TJC20084-2×14Y	28.70	26.00
	TJC20084-2×13Y	26.70	24.00
	TJC20084-2×12Y	24.70	22.00
	TJC20084-2×11Y	22.70	20.00
	TJC20084-2×10Y	20.70	18.00
	TJC20084-2×9Y	18.70	16.00
	TJC20084-2×8Y	16.70	14.00
	TJC20084-2×7Y	14.70	12.00
	TJC20084-2×6Y	12.70	10.00
	TJC20084-2×5Y	10.70	8.00
	TJC20084-2×4Y	8.70	6.00
Part No.		A	B
		Dimension	

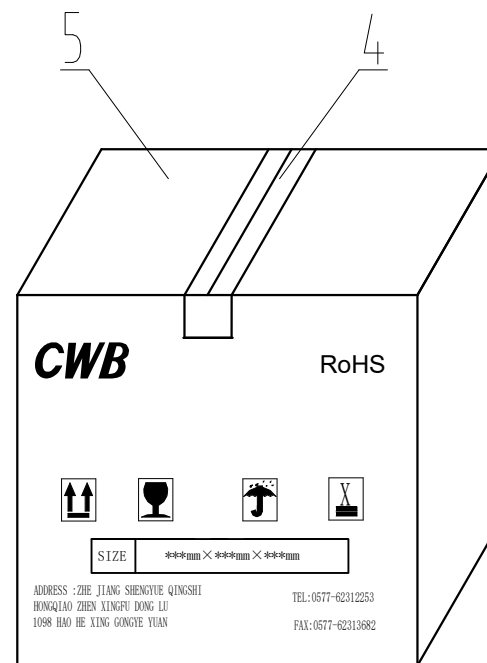
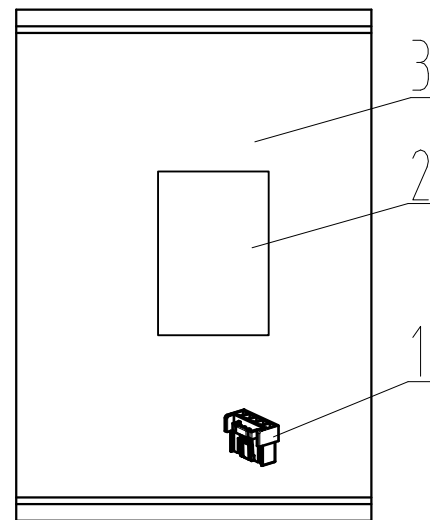
- Notes:
- 1.Material: PA66 UL94 V-0
 - 2.Matched header: TJC20084-2XnA/TJC20084-2XnAD/TJC20084-2XnAWJseries header
 - 3.Matched contact: CH-TJC20084/CH-TJC20084-1
 - 4.Packaging: packing bag
 - 5.Compliant to the current RoHS

CUSTOMER DRAWING						Title: 2.0mm pitch WTB housing	
Drawn	Pei.Yang 2022.06.06	Unit	Scale	Size	Edition	Part No.: TJC20084-2XnY(*-*-*)	
		mm	2:1	A4	B1	Previous part No.: /	
Checked	Guoying.Wang 2022.06.06	Sheet No.		1 Of 1		Document No.: CP-DWG-01592	
Approved	Dongxu.Liu 2022.06.06					Specification No.: PS4170	

CWB



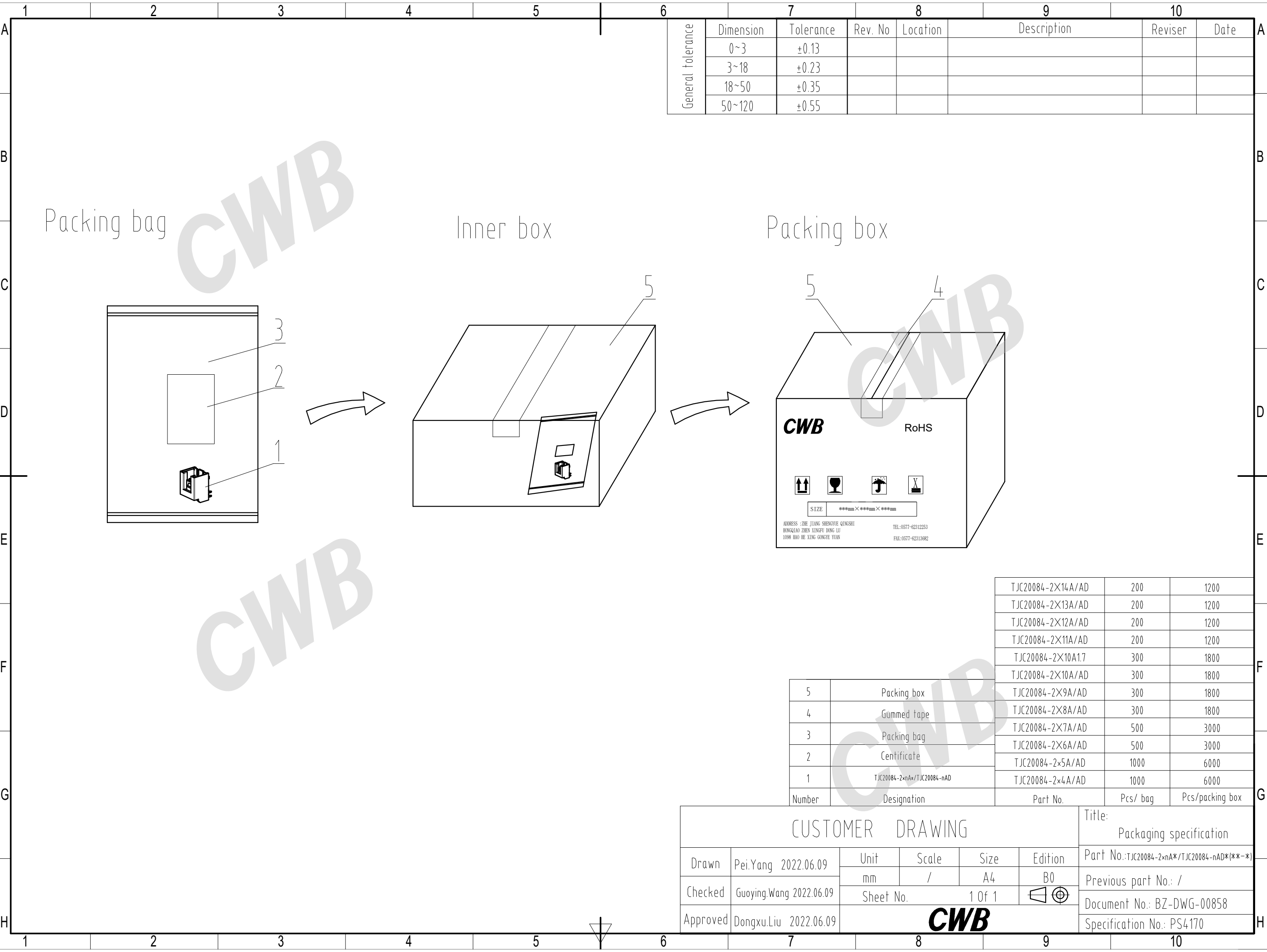
6		7		8		9		10	
General tolerance	Dimension	Tolerance	Rev. No	Location	Description		Reviser	Date	
	0~3	±0.13			New model added		Jiawei.Ni	2025.5.8	
	3~18	±0.23							
	18~50	±0.35							
	50~120	±0.55							

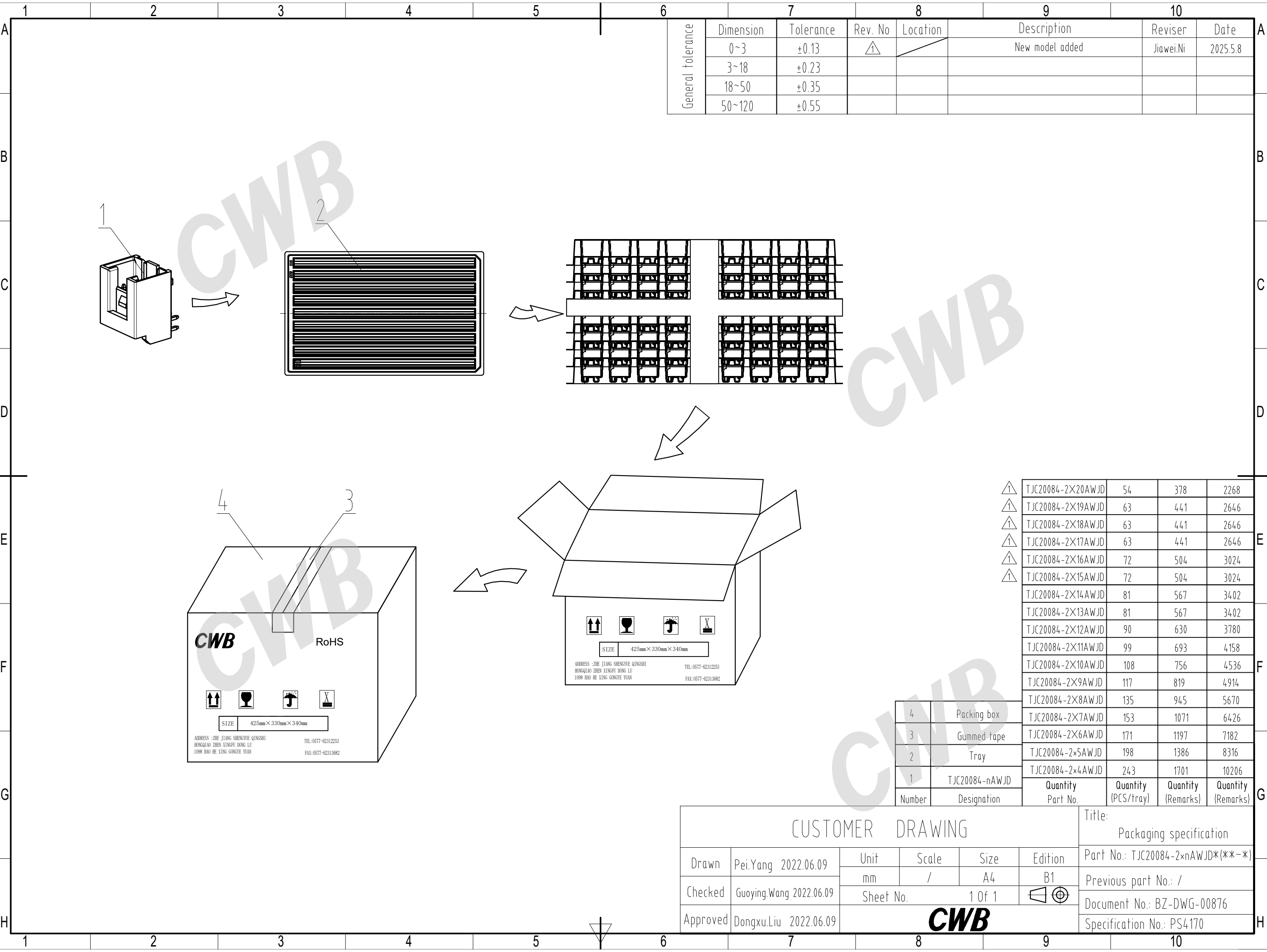


①	TJC20084-2×20Y	200	
	TJC20084-2×19Y	200	
	TJC20084-2×18Y	200	
①	TJC20084-2×17Y	200	
	TJC20084-2×16Y	200	
①	TJC20084-2×15Y	200	
	TJC20084-2×14Y	200	
	TJC20084-2×13Y	200	
	TJC20084-2×12Y	200	
	TJC20084-2×11Y	200	
	TJC20084-2×10Y	300	
	TJC20084-2×9Y	300	
	TJC20084-2×8Y	300	
	TJC20084-2×7Y	500	
	TJC20084-2×6Y	500	
	TJC20084-2×5Y	1000	
	TJC20084-2×4Y	1000	
	Part No.	Pcs/ bag	Remarks

5	Packing box	TJC20084-2x10Y	300	
4	Gummed tape	TJC20084-2x9Y	300	
3	Packing bag	TJC20084-2x8Y	300	
2	Certificate	TJC20084-2x7Y	500	
1		TJC20084-2x6Y	500	
		TJC20084-2x5Y	1000	
		TJC20084-2x4Y	1000	
Number	Designation	Part No.	Pcs/ bag	Remarks

CUSTOMER DRAWING						Title: Packaging specification
Drawn	Pei.Yang 2022.6.9	Unit	Scale	Size	Edition	Part No.: TJC20084-2XnY(**-*)
Checked	Guoying.Wang 2022.6.9	mm	/	A4	B1	Previous part No.: /
		Sheet No. 1 Of 1				Document No.: BZ-DWG-00861
Approved	Dongxu.Liu 2022.6.9	CWB				Specification No.: PS4170





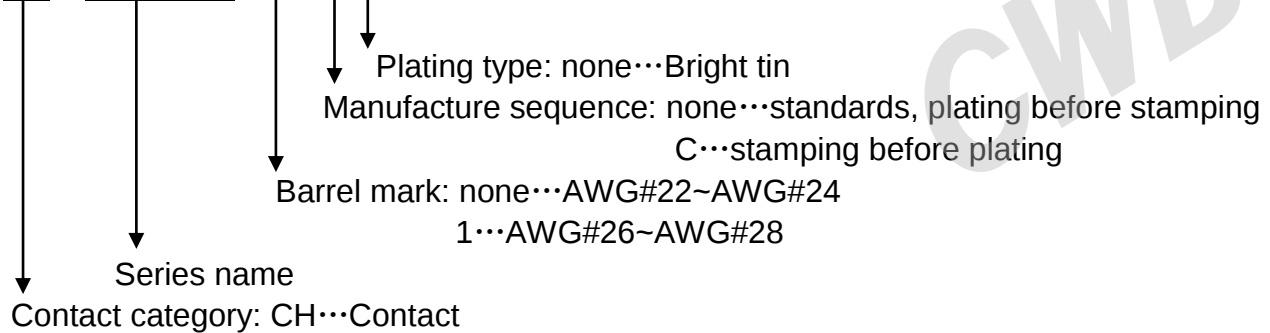
TJC20084 系列命名规则

TJC20084 series naming conventions

1. Contact

CH-TJC20084-*-*

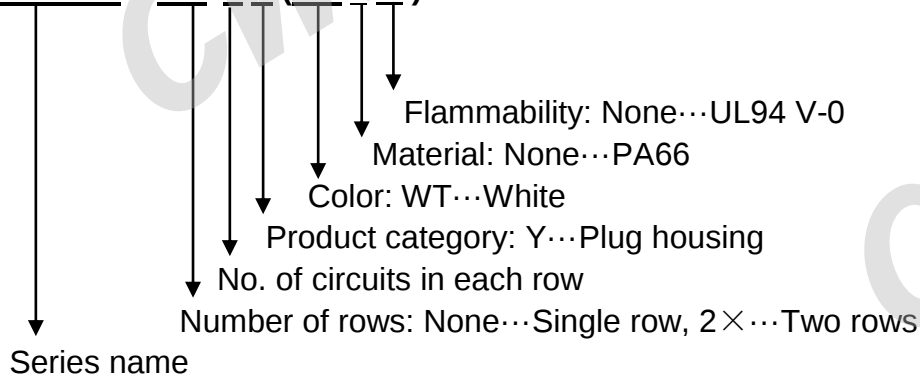
CH - TJC20084 - * - * *



2. Housing

TJC20084-2×nY (***)

TJC20084 - 2× n Y (WT * - *)



3. Header

TJC20084-2×nA(**-*)、TJC20084-2×nA1.7(**-*)、TJC20084-2×nAD(**-*)、
TJC20084-2×nAWJD(**-*)

TJC20084 - 2 × n A * * * * (NL * -*)

