

标题: TJC20082 系列连接器

Title: TJC20082 Connector

目录

Content

1. 更改履历 Change record
2. 范围 Scope
3. 产品描述 Product description
4. 相关标准 Related standards
5. 参数范围 Parameter ratings
6. 产品性能 Performance
7. 测试分组 Test sequences

中国·浙江省乐清市虹桥镇幸福东路 1098 号 合兴工业园 1098, Xingfu`Road(East), CWB Industrial Zone, Hongqiao, Yueqing, Zhejiang 325608, China Tel: 86-577-61313157 (Research & Development Dept.) Tel: 86-577-62312253 (Sales Dept.)	制定 Edit: 吴吉 2022.01.18	产品名称 Product name: TJC20082 系列连接器
	审核 Check: 吴吉 2023.1.30	编号 Document No.: PS4153
	批准 Approval: 刘冬旭 2023.1.30	版本 Revision: V4

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	吴吉 2022/01/18 Ji Wu 2022/01/18
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	吴吉 2022/01/18 Ji Wu 2022/01/18
V2	/	更新产品名称和规格 Update specifications and part no	胡杰斌 2022/07/28 Jiebin Hu 2022/07/28
V3	/	新增图纸尺寸 Update the size	王智彬 2022/11/07 Zhibin Wang 2022/11/07
V4	/	TJC20082-nAB/ABD/AWB/AWBD 材料由 PA10T 改为 PA9T The material of TJC20082-nAB/ABD/AWB/AWBD are changed from PA10T to PA9T	王智彬 2023/1/30 Zhibin Wang 2023/1/30

产品名称 Product name	TJC20082 系列连接器	编号 Document No.	PS4153	版本号 Version No.	V4
----------------------	----------------	--------------------	--------	--------------------	----

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 2.0 阴型 & 阳型电子连接器，产品名称：TJC20082 系列连接器。

This product specification covers the requirement for wire to board & wire to wire 2.0mm pitch Receptacle & Plug connector, which are designed and manufactured by CWB Electronics(ZheJiang) Co.,LTD. P/N: TJC20082 Connector.

3.产品描述 Product description

TJC20082 系列连接器产品为家电连接器产品，产品部件组成如下：

The TJC20082 series connector designed for home appliances connection. part checklist as following form:

产品名称 Product name	TJC20082 系列连接器	编号 Document No.	PS4153	版本号 Version No.	V4
----------------------	----------------	--------------------	--------	--------------------	----

零件名称 Part name	规格型号 Part No.	曾用规格型号 Previous part No.	描述 Description
孔座 (带外锁扣) Housing(W/Lock)	TJC20082-nY(**-*)	TJC20082-nY	PA66 UL94 V-0
孔座 (含锁紧片保持结构, 带外锁扣) Housing(W/Retainer,W/Lock)	TJC20082-nY-1(**-*)	TJC20082-nY-1	PA66 UL94 V-0
锁紧片 Retainer	TJC20082-nS (**(**-*)	TJC20082-nS	PA66+GF UL94 V-0 GWT 750°C
插簧 Contact	CH-TJC20085-**	PHD	AWG#28~AWG#24
插簧 Contact	CH-TJC20085-1-**	PHD-1	AWG#22
插簧 Contact	CH-TJC20082-1-**	CH-TJC20082-1	AWG#24~AWG#22
阳连接器 (立式, 直插, 含定位柱, 含小弯) Header (V,DIP,W/Boss,W/Kink)	TJC20082-nADK **(**-*)	TJC20082-nADK	Wafer:PA66+GF UL94 V-0 GWT 750°C Post:Brass, tin plating
阳连接器 (立式, 直插, 含小弯) Header (V,DIP,W/Kink)	TJC20082-nAK (**(**-*)	TJC20082-nAK	Wafer:PA66+GF UL94 V-0 GWT 750°C Post:Brass, tin plating
阳连接器 (卧式, 直插, 含定位柱, 含小弯, 带挡板) Header (H,DIP,W/Boss,W/Kink,W/PCB stabilizer)	TJC20082-nAWJDK **(**-*)	TJC20082-nAWJDK	Wafer:PA66+GF UL94 V-0 GWT 750°C Post:Brass, tin plating
阳连接器 (卧式, 直插, 含小弯, 带挡板) Header (H,DIP,W/Kink,W/PCB stabilizer)	TJC20082-nAWJK **(**-*)	TJC20082-nAWJK	Wafer:PA66+GF UL94 V-0 GWT 750°C Post:Brass, tin plating
阳连接器 (卧式, 表面装贴, 含定位柱) Header (H,SMT,W/Boss)	TJC20082-nAWBD(**-*)	TJC20082-nAWBD	Wafer:PA9T+GF UL94 V-0 Post:Brass, tin plating
阳连接器 (卧式, 表面装贴) Header (H,SMT)	TJC20082-nAWB(**-*)	TJC20082-nAWB	Wafer:PA9T+GF UL94 V-0 Post:Brass, tin plating
阳连接器 (立式, 表面装贴, 含定位柱) Header (V,SMT,W/Boss)	TJC20082-nABD(**-*)	TJC20082-nABD	Wafer:PA9T+GF UL94 V-0 Post:Brass, tin plating
阳连接器 (立式, 表面装贴) Header (V,SMT)	TJC20082-nAB(**-*)	TJC20082-nAB	Wafer:PA9T+GF UL94 V-0 Post:Brass, tin plating
针座 (自由悬挂, 含锁紧片保持结构) Receptacle housing (Free hanging,W/Retainer)	TJC20082-nAR(**-*)	TJC20082-nAR	Wafer:PA66 UL94 V-0
针座 (面板安装, 含锁紧片保持结构) Plug housing (Panel mount,W/Retainer)	TJC20082-nARP(**-*)	TJC20082A-nAR	Wafer:PA66 UL94 V-0
插针Pin contact	CZ-TJC20082-1-**	CZ-TJC20082-1	AWG#24~AWG#22
插针Pin contact	CZ-TJC20082-2-**	/	AWG#28~AWG#26

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

产品名称 Product name	TJC20082 系列连接器	编号 Document No.	PS4153	版本号 Version No.	V4
----------------------	----------------	--------------------	--------	--------------------	----

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 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 mm Hole diameter: $\phi 0.8(+0.05/-0.05)$ mm				
额定电压[AC(有效值)/DC] Rated voltage [AC(rms)/DC]	250 V				
使用温度范围（包含温升） Operating temperature range (include temperature rise)	-25 °C~+85 °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-TJC20085	Wire size:AWG#28~AWG#24(0.08mm ² -0.20mm ²) Insulation diameter:1.2mm-1.4mm			
	CH-TJC20085-1	Wire size:AWG#22 0.32mm ² Insulation diameter:1.6mm			
	CH-TJC20082-1	Wire size:AWG#24~AWG#22(0.20mm ² -0.32mm ²) Insulation diameter:1.4mm-1.6mm			
	CZ-TJC20082-1	Wire size:AWG#24~AWG#22(0.20mm ² -0.32mm ²) Insulation diameter:1.4mm-1.6mm			
	CZ-TJC20082-2	Wire size:AWG#28~AWG#26(0.08mm ² -0.13mm ²) Insulation diameter:1.2mm-1.4mm			
产品名称 Product name	TJC20082 系列连接器	编号 Document No.	PS4153	版本号 Version No.	V4

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 (不带锁紧片测试) (最小值) Retention force (Test without locking plate) (Min.)	固定力 (带锁紧片测试) (最小值) Retention force (Test with locking plate) (Min.)	
			10N	15N	15N	
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.) GB/T 5095.8 Method 15a / EIA-364-29B	10 N Min.			
6.1.4	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#28: 10N Min. AWG#26: 20N Min. AWG#24: 30N Min. AWG#22: 50N 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	极数 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 30 次 30th.
			2	13 N	0.24 N	0.16 N
			3	18 N	0.36 N	0.24 N
			4	23 N	0.48 N	0.32 N
			5	28 N	0.60 N	0.40 N
			6	33 N	0.72 N	0.48 N
			7	38 N	0.84 N	0.56 N
			8	43 N	0.96 N	0.64 N
			9	48 N	1.08 N	0.72 N
			10	53 N	1.20 N	0.80 N
			11	58 N	1.32 N	0.88 N
12	63 N	1.44 N	0.96 N			
产品名称 Product name	TJC20082 系列连接器	编号 Document No.	PS4153	版本号 Version No.	V4	

			13	68 N	1.56 N	1.04 N
			14	73 N	1.68 N	1.12 N
			15	78 N	1.80 N	1.20 N
6.1.6	机械振动 Vibration	<p>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。</p> <p>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</p>	<p>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. 电流中断时间：1 μsec Max. Current interruption: 1 μsec Max.</p>			
6.1.7	机械冲击 Shock	<p>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100 mA电流。 冲击强度：490 m/s² 持续时间：11 ms</p> <p>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: 490 m/s² Duration: 11 ms GB/T 5095.4 Method 6c / EIA-364-27B</p>	<p>外观：无损伤（参照6.1.1） Appearance: no damage.(refer to 6.1.1) 电流中断时间：1 μsec Max. Current interruption: 1 μsec Max.</p>			
6.1.8	机械寿命 Durability	<p>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</p>	<p>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.</p>			

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	<p>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</p>	10 mΩ Max. (Initial) 20 mΩ Max. (Final)			
6.2.2	绝缘电阻 Insulation resistance	<p>在相邻接触件之间或地线之间,用 500 V DC 电压进行测试。 Apply a voltage of 500 V DC between adjacent contacts and between contacts to ground. GB/T 5095.2 Method 3a / EIA-364-21C</p>	1000 MΩ Min. (Initial) 500 MΩ Min. (Final)			
6.2.3	耐电压 Withstand voltage	<p>相邻接触件之间或地线之间施加 1000 V AC (有效值),漏电流 1 mA 的电压作用,时间 1min。 Apply a voltage of 1000 V AC (rms) and leakage current of 1 mA between adjacent contacts or ground cables for 1 minute. GB/T 5095.2 Method 4a / EIA-364-20B</p>	外观：无击穿和飞弧现象 Appearance: no breakdown or flashover			
6.2.4	温升 Temperature rise	<p>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</p>	Δ30°C Max.			

产品名称 Product name	TJC20082 系列连接器	编号 Document No.	PS4153	版本号 Version No.	V4
----------------------	----------------	--------------------	--------	--------------------	----

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: 20 mΩ Max. Contact resistance: 20 mΩ Max. 绝缘电阻: 500 MΩ Min. Insulation resistance:500 MΩ Min. 耐电压: 500 V Min. Withstand voltage: 500 V Min.										
6.3.2	耐低温 Cold resistance	连接器配合后, 于 (-40±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 (-40±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: 20 mΩ Max. Contact resistance: 20 mΩ Max. 绝缘电阻: 500 MΩ Min. Insulation resistance:500 MΩ Min. 耐电压: 500 V Min. Withstand voltage: 500 V Min.										
6.3.3	恒定湿热 Humidity	温度(40±2) °C, 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: 20 mΩ Max. Contact resistance: 20 mΩ Max. 绝缘电阻: 500 MΩ Min. Insulation resistance: 500 MΩ Min. 耐电压: 500 V Min. Withstand voltage: 500 V 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) °C 的恒温条件下放置 0.5 小时; b) 在(85±2) °C 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 border="1" style="margin-left: 20px;"> <thead> <tr> <th>Temperature °C</th> <th>Duration</th> </tr> </thead> <tbody> <tr> <td>1 -55±2</td> <td>0.5 h</td> </tr> <tr> <td>2 Room Temp.</td> <td>5 minutes Max.</td> </tr> <tr> <td>3 +85±2</td> <td>0.5 h</td> </tr> <tr> <td>4 Room Temp.</td> <td>5 minutes Max.</td> </tr> </tbody> </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	0.5 h	2 Room Temp.	5 minutes Max.	3 +85±2	0.5 h	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: 20 mΩ Max. Contact resistance: 20 mΩ Max. 绝缘电阻: 500 MΩ Min. Insulation resistance: 500 MΩ Min. 耐电压: 500 V Min. Withstand voltage: 500 V Min.
Temperature °C	Duration												
1 -55±2	0.5 h												
2 Room Temp.	5 minutes Max.												
3 +85±2	0.5 h												
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) °C 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: 20 mΩ Max. Contact resistance: 20 mΩ Max.										

产品名称 Product name	TJC20082 系列连接器	编号 Document No.	PS4153	版本号 Version No.	V4
----------------------	----------------	--------------------	--------	--------------------	----

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±5) °C, 时间 (4~5) 秒。 Dip solder tails into the molten solder held at (245±5) °C for (4~5) seconds IPC EIA IPC JEDEC J STD 002E	上锡率≥95 % Solder coverage: ≥95 %
6.3.7	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.回流焊形式(适合 SMT 类产品): 按下图 2 的条件测试耐焊接热。 3.手工焊接: 温度 (350±10) °C, 时间(1~2) seconds。 1.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. (The temperature curve is shown in Figure 1) 2.Reflow soldering form (suitable for SMT products): Test welding heat resistance according to the conditions in Figure 2. 3.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)
6.3.8	灼热丝 Glow wire (只针对 GWT750°C 产品 Only for GWT750°C products)	750°C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。 The time that mated connector burns is not more than 2s. 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.

Pb-free Wave soldering Temperature profile



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

图 1 波峰焊曲线图

Recommended IR Reflow Temperature Profile:
1 Using Lead-Free Solder Paste

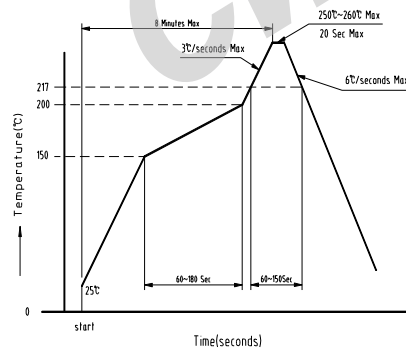


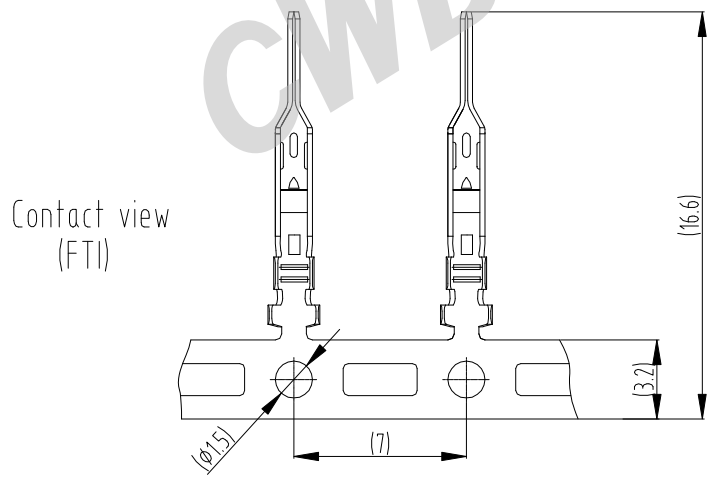
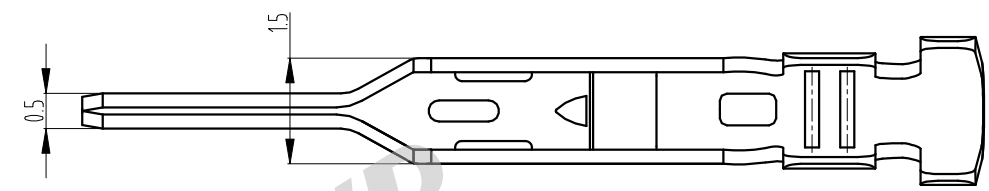
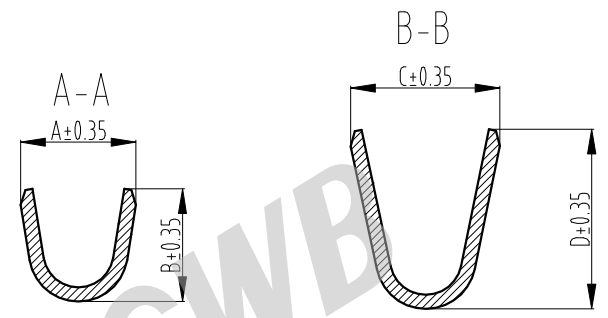
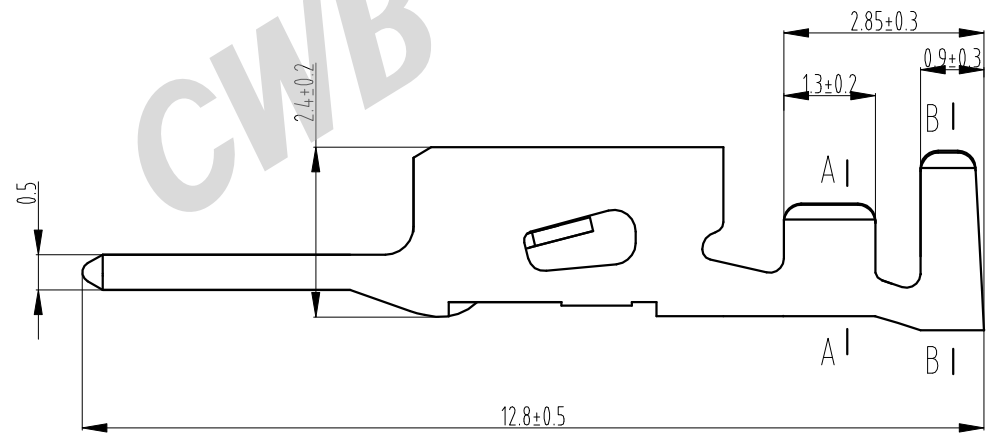
图 2 回流焊曲线图

产品名称 Product name	TJC20082 系列连接器	编号 Document No.	PS4153	版本号 Version No.	V4
----------------------	----------------	--------------------	--------	--------------------	----

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, 5	1	1, 7	1	1	1	1	1, 7	1, 7	1, 7	1, 7	1, 5	1	1, 3	1
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																	
压着部位抗张强度 Crimp tensile strength			2																
成品插入力与拔出力（去锁扣） Insertion force and withdrawal force(without lock)				2															
机械振动Vibration					3														
机械冲击 Shock						2													
机械寿命 Durability							5												
接触电阻 Contact resistance					2, 4		2, 6	2				2, 4	2, 4	2, 4	2, 4	2, 4			
绝缘电阻 Insulation resistance							3		2			5	5	5	5				
耐电压 Withstand voltage							4			2		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																3			
可焊性 Solderability																	2		
耐焊接热 Resistance to soldering heat																		2	
灼热丝 Glow wire																			2

General Tolerance	Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
	0~3		±0.13			Version updating	Rong Zheng
3~18		±0.23	△		New product model code	Jiebin.Hu	2022.7.28
18~50		±0.35					
≥50		±0.55					

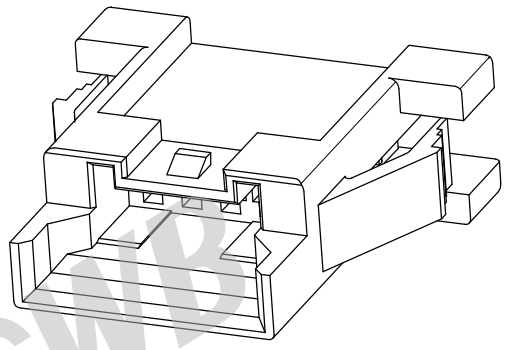
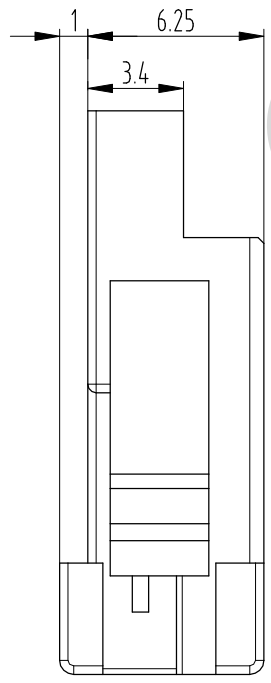
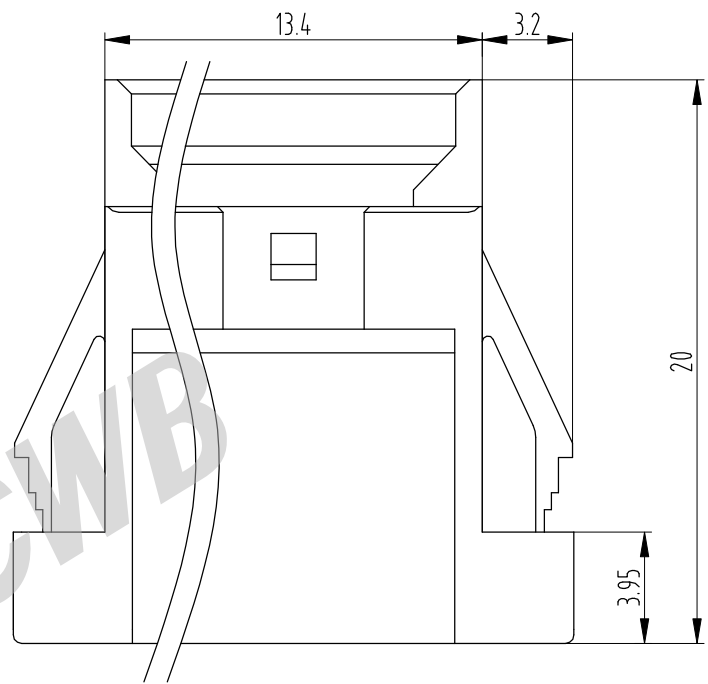
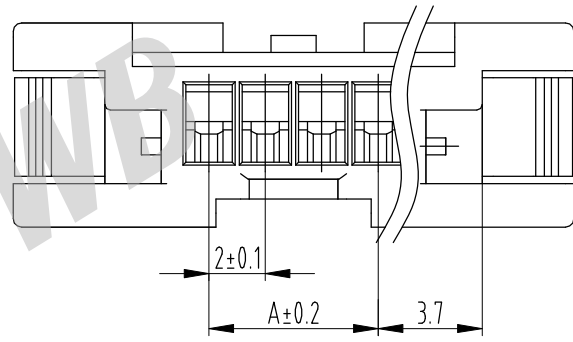


- Notes:
- 1.Material: Phosphor bronze,thickness=0.2mm
 - 2.Surface finish: tin plated
 - 3.Matched housing: TJC20082-nAR/TJC20082-nARP
 - 4.Applicable wires:
 - CZ-TJC20082-1:AWG#24~ AWG#22
 - CZ-TJC20082-2:AWG#28~ AWG#26
 - 5.Compliant to the current RoHS

Part No.	Previous part No.	Dimension			
		A	B	C	D
CZ-TJC20082-2	CZ-TJC20082-2-D	1.55	1.25	1.95	2.15
CZ-TJC20082-1	CZ-TJC20082-1-D	1.7	1.6	2.2	2.55

CUSTOMER DRAWING						Title:	
Drawn	Ji.Wu 2022.1.18	Unit	Scale	Size	Edition	2.0mm pitch WTB&WTW Contact	
Checked	Ji.Wu 2022.7.28	mm	10:1	A4	B	Part No.: CZ-TJC20082-*-*	
Approved	Dongxu.Liu 2022.7.28	Sheet No.	1 Of 1		Previous part No.: CZ-TJC20082-*D		Document No.: CP-DWG-01433
CWB						Specification No.: PS4153	

General Tolerance	Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
	0~3	±0.13			Version updating	Rong.Zheng	2022.3.8
	3~18	±0.23	△		New product model code	Jiebin.Hu	2022.7.28
	18~50	±0.35					
	≥50	±0.55					



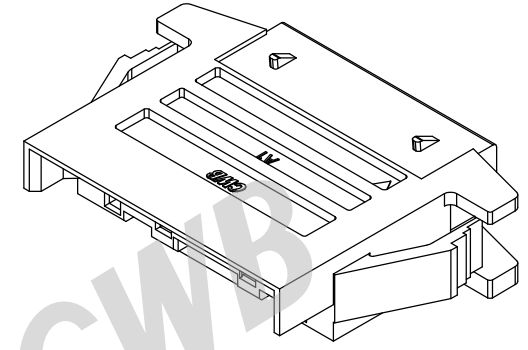
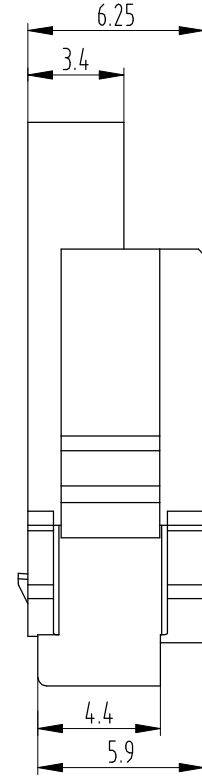
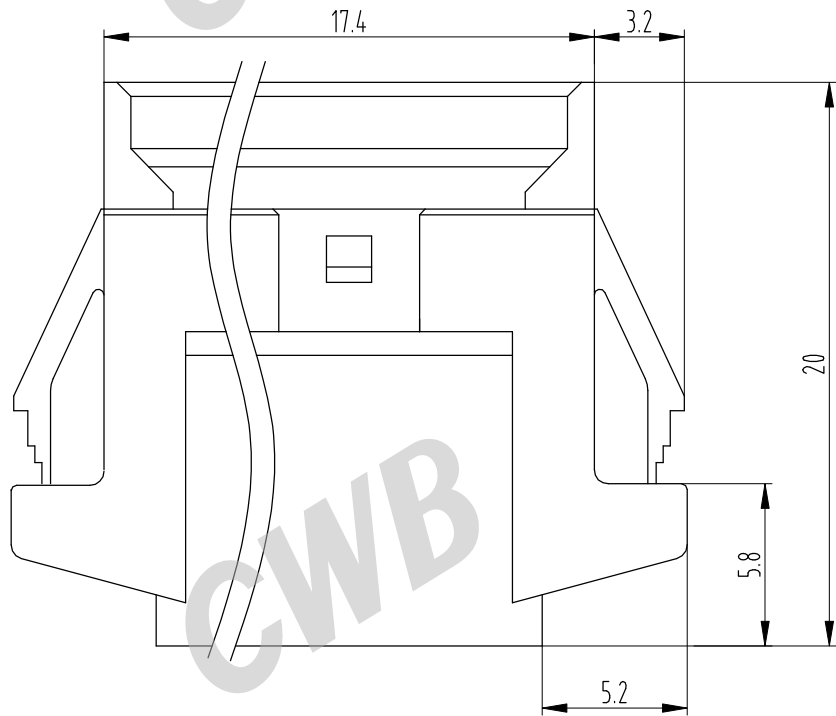
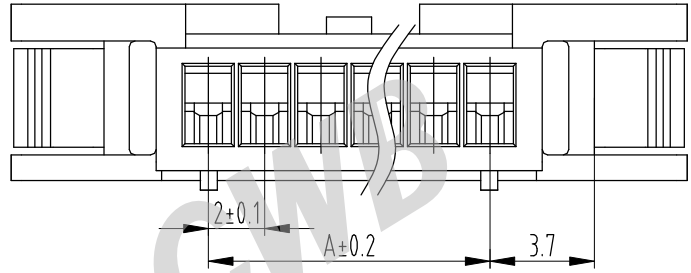
Notes:

- 1.Material: PA66 UL94 V-0;
- 2.Matched housing: TJC20082-nY/TJC20082-nY-1;
- △3.Matched contact: CZ-TJC20082-1,CZ-TJC20082-2;
- 4.Packaging: Packing bag;
- 5.Compliant to the current RoHS.

5	TJC20082-5A-2	TJC20082-5ARP	8	15.4
4	TJC20082-4A-2	TJC20082-4ARP	6	13.4
3	TJC20082-3A-2	TJC20082-3ARP	4	11.4
2	TJC20082-2A-2	TJC20082-2ARP	/	9.4
Ckts(n)	Previous part No.	Part No.	A	B
			Dimensions	

CUSTOMER DRAWING						Title:	
Drawn	Ji.Wu 2022.1.18	Unit	Scale	Size	Edition	2.0mm Pitch WTW Header	
Checked	Ji.Wu 2022.7.28	mm	4:1	A4	B	Part No.:TJC20082-nARP(**-*) n=2,3,4,5	
Approved	Dongxu.Liu 2022.7.28	Sheet No.	1 of 1		Previous part No.: TJC20082-nA-2		Document No.: CP-DWG-01436
CWB						Specification No.: PS4153	

General Tolerance	Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
	0~3	±0.13			Version updating	Rong.Zheng	2022.3.8
	3~18	±0.23	△		New product model code	Jiebin.Hu	2022.7.28
	18~50	±0.35					
	≥50	±0.55					

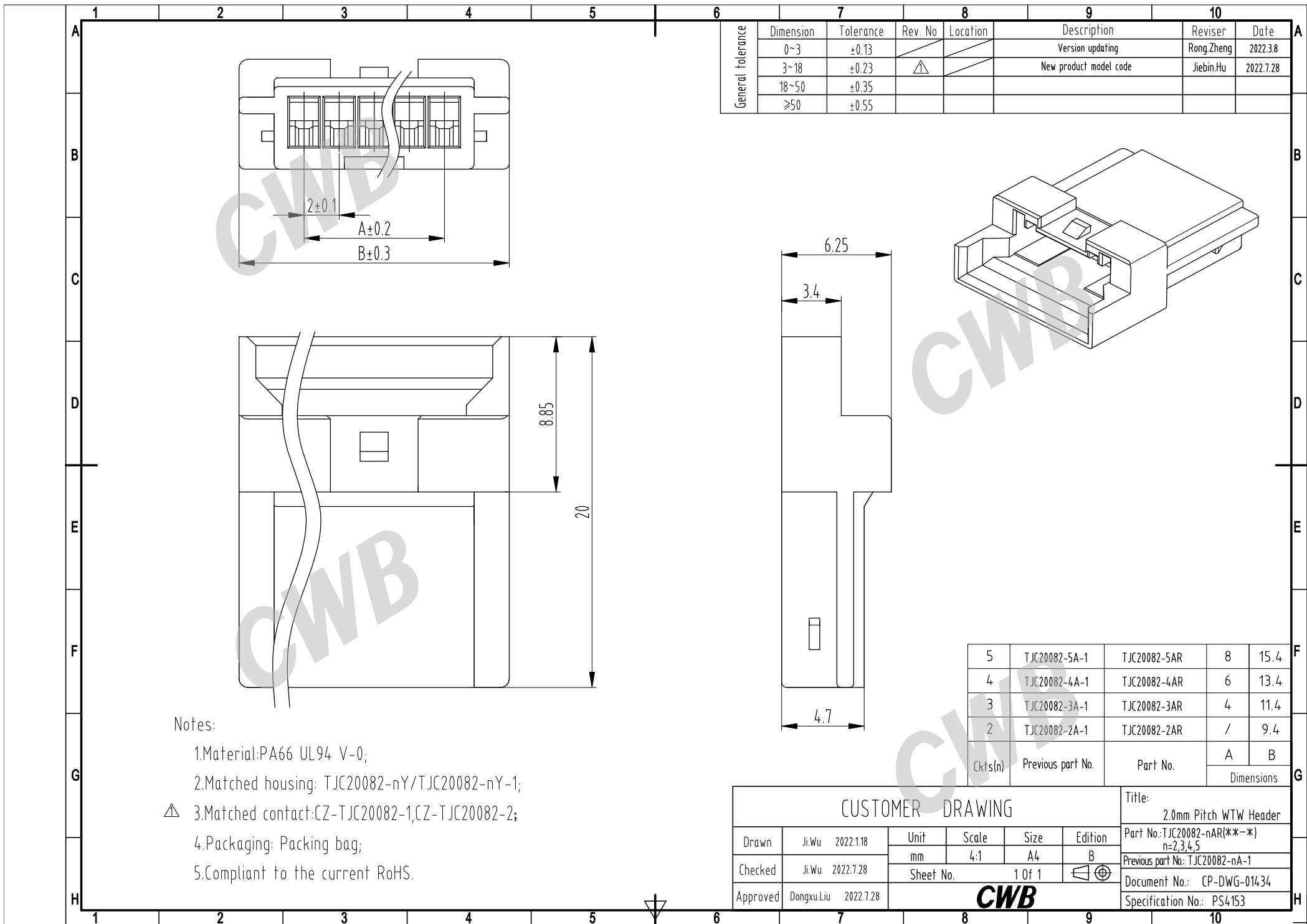


Notes:

- 1.Material: PA66 UL94 V-0;
- 2.Matched housing: TJC20082-nY/TJC20082-nY-1;
- △ 3.Matched contact: CZ-TJC20082-1,CZ-TJC20082-2;
- 4.Packaging: Packing bag;
- 5.Compliant to the current RoHS.

8	TJC20082-8A-2	TJC20082-8ARP	14	21.4
7	TJC20082-7A-2	TJC20082-7ARP	12	19.4
6	TJC20082-6A-2	TJC20082-6ARP	10	17.4
Ckts(n)	Previous part No.	Part No.	A	B
			Dimensions	

CUSTOMER DRAWING						Title:	
Drawn	Ji.Wu 2022.1.18	Unit	Scale	Size	Edition	2.0mm Pitch WTW Header	
Checked	Ji.Wu 2022.7.28	mm	4:1	A4	B	Part No.:TJC20082-nARP(**-*) n=6,7,8	
Approved	Dongxu.Liu 2022.7.28	Sheet No.	1 of 1		Previous part No.: TJC20082-nA-2		Document No.: CP-DWG-01437
CWB						Specification No.: PS4153	



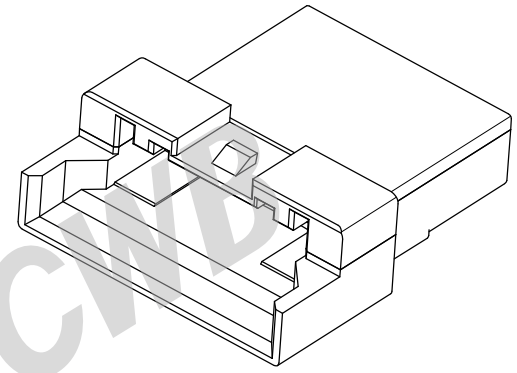
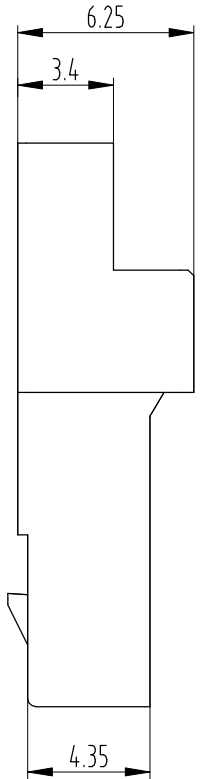
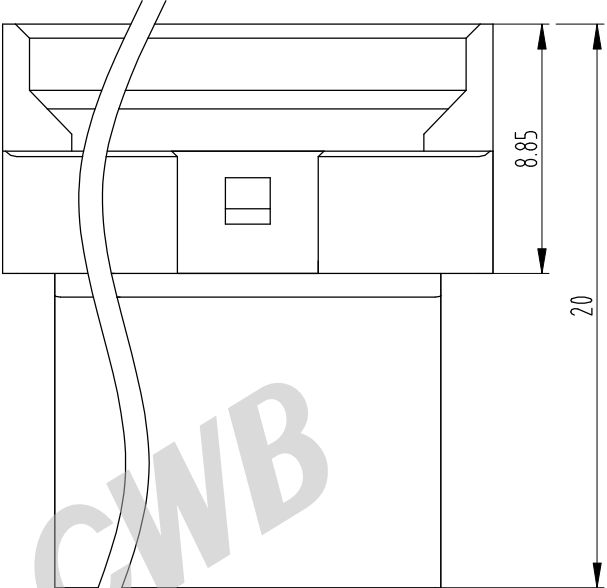
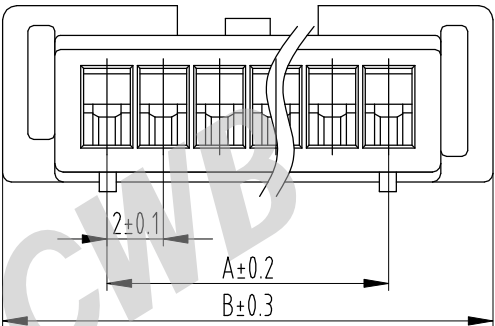
Notes:

1. Material: PA66 UL94 V-0;
2. Matched housing: TJC20082-nY/TJC20082-nY-1;
- \triangle 3. Matched contact: CZ-TJC20082-1, CZ-TJC20082-2;
4. Packaging: Packing bag;
5. Compliant to the current RoHS.

5	TJC20082-5A-1	TJC20082-5AR	8	15.4
4	TJC20082-4A-1	TJC20082-4AR	6	13.4
3	TJC20082-3A-1	TJC20082-3AR	4	11.4
2	TJC20082-2A-1	TJC20082-2AR	/	9.4
Ckts(n)	Previous part No.	Part No.	A	B
			Dimensions	

CUSTOMER DRAWING						Title:	
Drawn	Ji.Wu	2022.1.18	Unit	Scale	Size	2.0mm Pitch WTW Header	
Checked	Ji.Wu	2022.7.28	mm	4:1	A4	Part No.: TJC20082-nAR(**-*) n=2,3,4,5	
Approved	Dongxu.Liu	2022.7.28	Sheet No.	1 of 1	B	Previous part No.: TJC20082-nA-1	
CWB						Document No.: CP-DWG-01434	
						Specification No.: PS4153	

General Tolerance	Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
	0~3	±0.13			Version updating	Rong.Zheng	2022.3.8
	3~18	±0.23	△		New product model code	Jiebin.Hu	2022.7.28
	18~50	±0.35					
	≥50	±0.55					



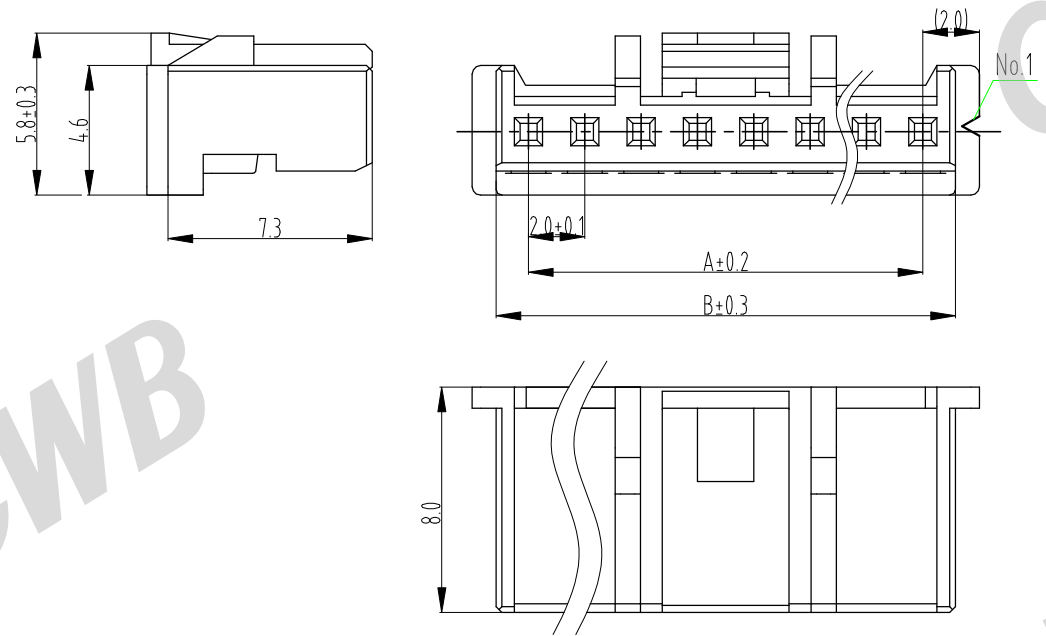
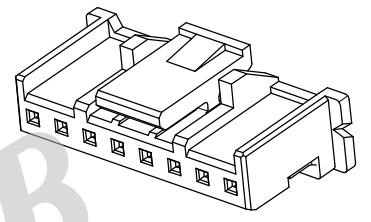
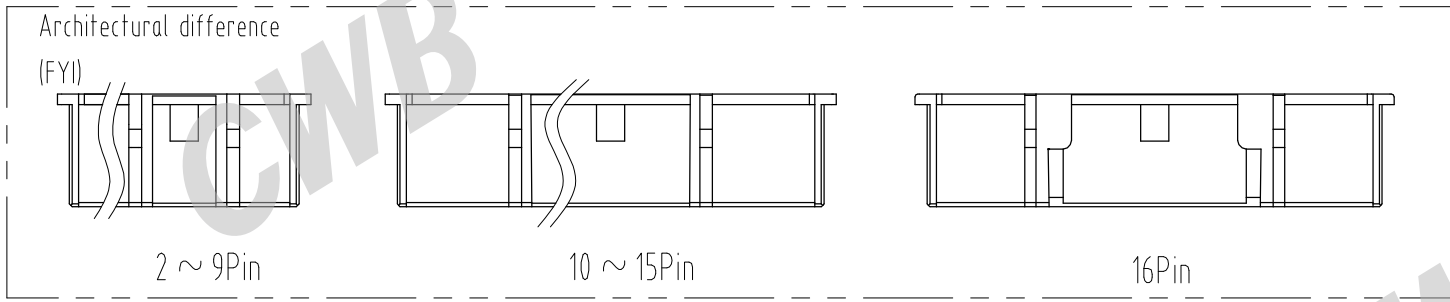
Notes:

- 1.Material: PA66 UL94 V-0;
- 2.Matched housing: TJC20082-nY/TJC20082-nY-1;
- △ 3.Matched contact: CZ-TJC20082-1,CZ-TJC20082-2;
- 4.Packaging: Packing bag;
- 5.Compliant to the current RoHS.

8	TJC20082-6A-1	TJC20082-8ARP	14	21.4
7	TJC20082-6A-1	TJC20082-7ARP	12	19.4
6	TJC20082-6A-1	TJC20082-6ARP	10	17.4
Ckts(n)	Previous part No.	Part No.	A	B
			Dimensions	

CUSTOMER DRAWING						Title:	
Drawn	Ji.Wu 2022.1.18	Unit	Scale	Size	Edition	2.0mm Pitch WTW Header	
Checked	Ji.Wu 2022.7.28	mm	4:1	A4	B	Part No.:TJC20082-nAR(**-*) n=6,7,8	
Approved	Dongxu.Liu 2022.7.28	Sheet No.	1 of 1		Previous part No.: TJC20082-nA-1		Document No.: CP-DWG-01435
CWB						Specification No.: PS4153	

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

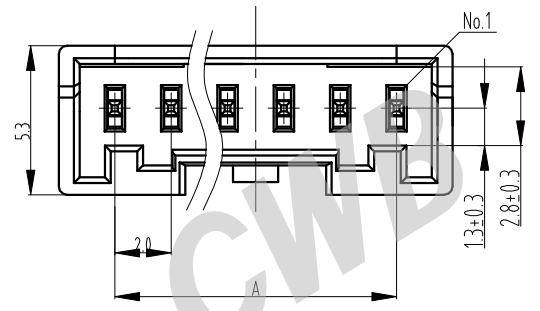
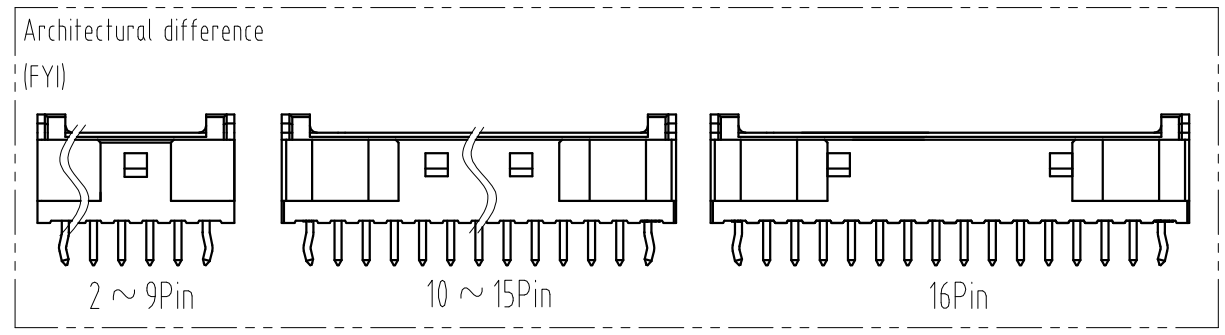
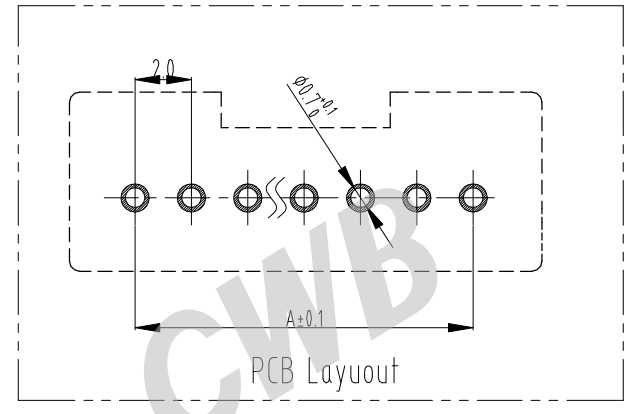
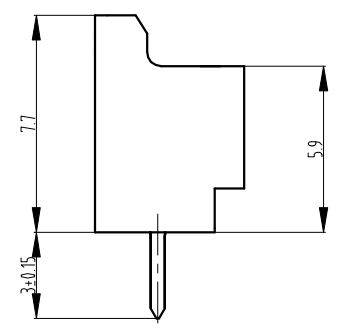
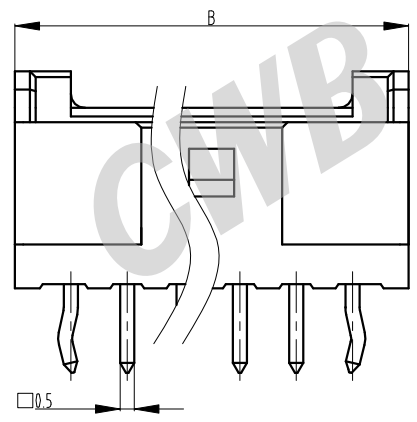


16	/	TJC20082-16Y	30	32.3
15	/	TJC20082-15Y	28	30.3
14	/	TJC20082-14Y	26	28.3
13	/	TJC20082-13Y	24	26.3
12	/	TJC20082-12Y	22	24.3
11	/	TJC20082-11Y	20	22.3
10	/	TJC20082-10Y	18	20.3
9	/	TJC20082-9Y	16	18.3
8	/	TJC20082-8Y	14	16.3
7	/	TJC20082-7Y	12	14.3
6	/	TJC20082-6Y	10	12.3
5	/	TJC20082-5Y	8	10.3
4	/	TJC20082-4Y	6	8.3
3	/	TJC20082-3Y	4	6.3
2	/	TJC20082-2Y	/	4.3
Ckts(n)	Previous part No.	Part No.	A	B
			Dimensions	

- Notes:
- 1.Material: PA66 UL94 V-0;
 - 2.Matched header: TJC20082-nADK/nAK/nAWJDK/nAWJK/nAWBD/nAWB/nABD/nAB; TJC20082-nAR, TJC20082-nARP;
 - 3.Matched contact: CH-TJC20085, CH-TJC20085-1;
 - 4.Packaging: Packing bag;
 - 5.Compliant to the current RoHS.

CUSTOMER DRAWING						Title: 2.0mm pitch WTB&WTW Housing	
Drawn	Ji.Wu 2022.1.18	Unit	Scale	Size	Edition	Part No.:TJC20082-nY(**-*)	
Checked	Qu.Wang 2022.3.8	mm	4:1	A4	B	Previous part No.: /	
Approved	Dongxu.Liu 2022.3.8	Sheet No.	1 of 1			Document No.: CP-DWG-01418	
CWB						Specification No.: PS4153	

General Tolerance	Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
	0~3		±0.13			Version updating	Rong.Zheng
3~18		±0.23			Version updating	Rong.Zheng	2022.5.5
18~50		±0.35					
≥50		±0.55					



- Notes:
- 1.Material: Wafer: PA66+GF UL94 V-0; Post:Brass,tin plated;
 - 2.Matched housing: TJC20082-nY/TJC20082-nY-1;
 - 3.Packaging: Packing bag;
 - 4.Compliant to the current RoHS.

16	TJC20082-16AK	/	30	34					
15	TJC20082-15AK	/	28	32	8	TJC20082-8AK	/	14	18
14	TJC20082-14AK	/	26	30	7	TJC20082-7AK	/	12	16
13	TJC20082-13AK	/	24	28	6	TJC20082-6AK	/	10	14
12	TJC20082-12AK	/	22	26	5	TJC20082-5AK	/	8	12
11	TJC20082-11AK	/	20	24	4	TJC20082-4AK	/	6	10
10	TJC20082-10AK	/	18	22	3	TJC20082-3AK	/	4	8
9	TJC20082-9AK	/	16	20	2	TJC20082-2AK	/	/	6
Ckts(n)	Part No.	Previous part No.	Dimensions A B		Ckts(n)	Part No.	Previous part No.	Dimensions A B	

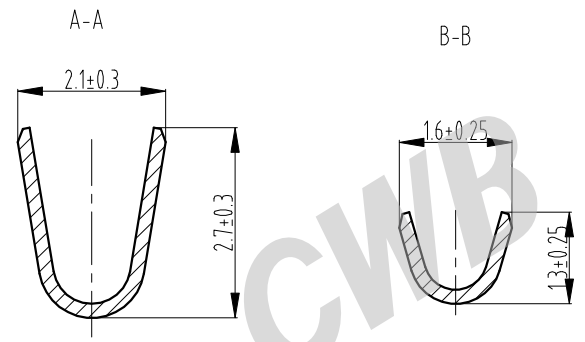
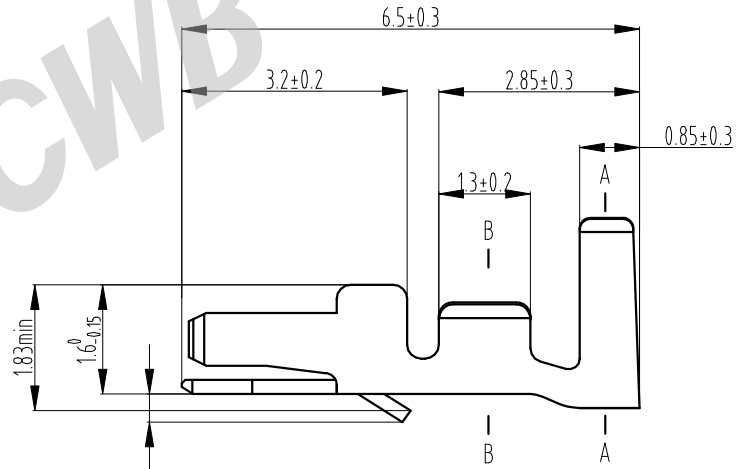
CUSTOMER DRAWING

Title: 2.0mm pitch WTB Header

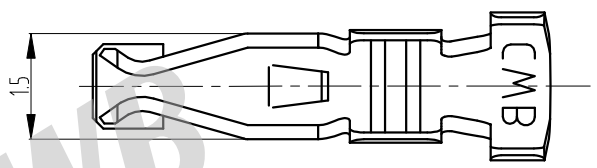
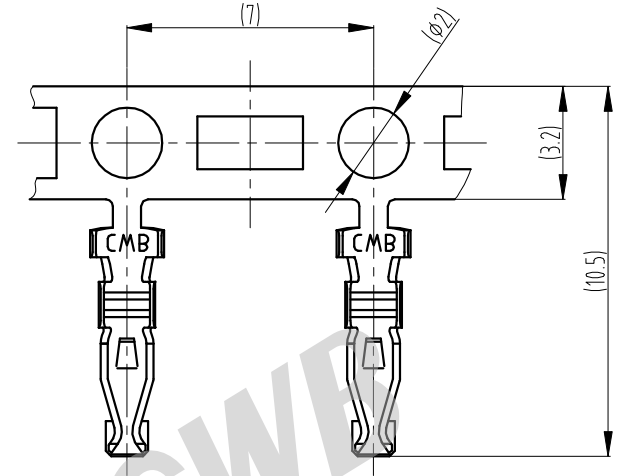
Drawn	Ji.Wu 2022.1.18	Unit	Scale	Size	Edition	Part No.:TJC20082-nAK **(**-*)
Checked	Qu.Wang 2022.5.5	mm	4:1	A4	B	Previous part No.: /
Approved	Dongxu.Liu 2022.5.5	Sheet No.	1 of 1			Document No.: CP-DWG-01419
CWB						Specification No.: PS4153

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

CWB



Contact view (FTI)
(7)



Notes:

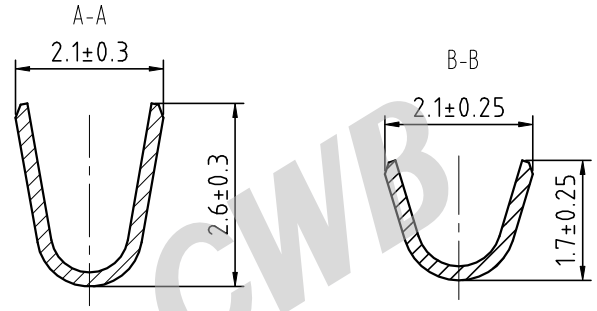
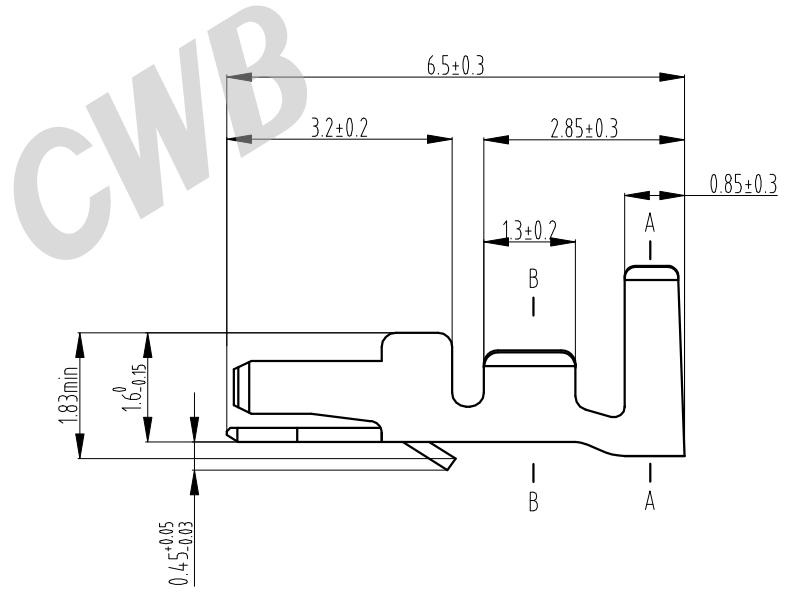
1. Material: Phosphor bronze, thickness=0.2mm;
2. Surface finish: Tin plated;
3. Matched housing: TJC20085-nY, TJC20082-nY, TJC20082-nY-1;
4. Applicable wires: AWG28~AWG24;
5. Compliant to the current RoHS.

CUSTOMER DRAWING						Title: 2.0mm pitch WTB&WTW Contact	
Drawn	Ji Wu 2022.1.18	Unit	Scale	Size	Edition	Part No.: CH-TJC20085-**	
Checked	Qu Wang 2022.3.8	mm	10:1	A4	B	Previous part No: PHD	
Approved	Dongxu.Liu 2022.3.8	Sheet No.	1 of 1			Document No.: CP-DWG-01420	
CWB						Specification No.: PS4118/PS4153	

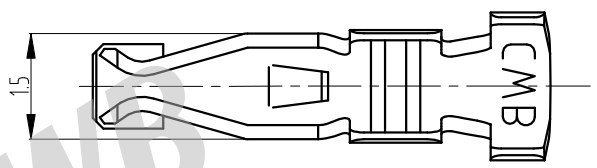
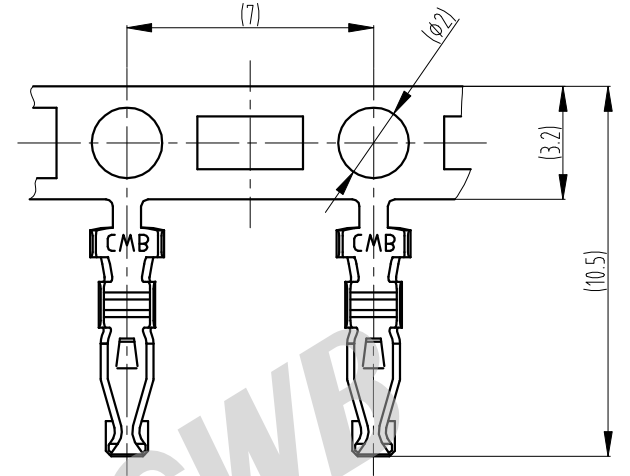
CWB



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



Contact view (FTI)
(7)

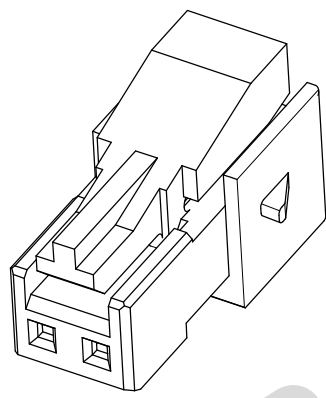
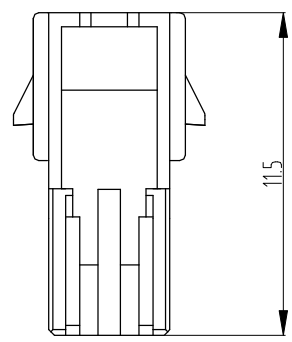
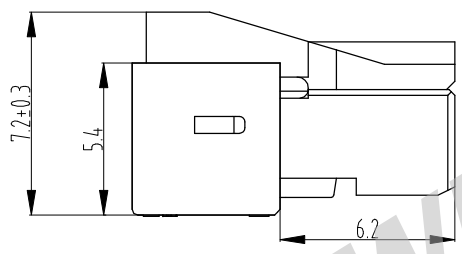
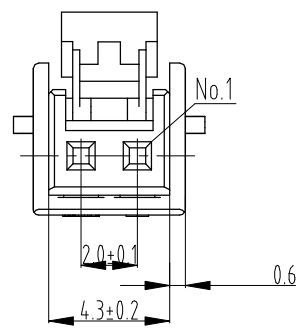


Notes:

1. Material: Phosphor bronze, thickness=0.2mm;
2. Surface finish: Tin plated;
3. Matched housing: TJC20085-nY, TJC20082-nY, TJC20082-nY-1;
4. Applicable wires: AWG#22;
5. Compliant to the current RoHS.

CUSTOMER DRAWING						Title: 2.0mm pitch WTB&WTW Contact	
Drawn	Ji Wu 2022.1.18	Unit	Scale	Size	Edition	Part No.: CH-TJC20085-1-**	
Checked	Qu Wang 2022.3.8	mm	10:1	A4	B	Previous part No: PHD-1	
Approved	Dongxu.Liu 2022.3.8	Sheet No.	1 of 1			Document No.: CP-DWG-01421	
CWB						Specification No.: PS4118/PS4153	

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

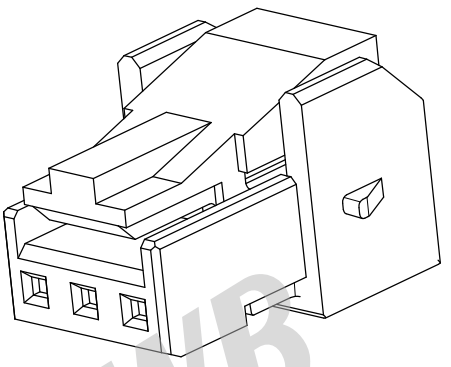
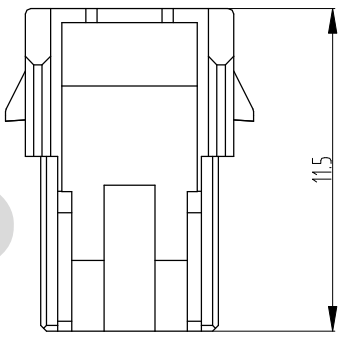
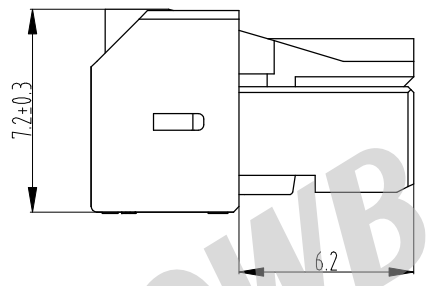
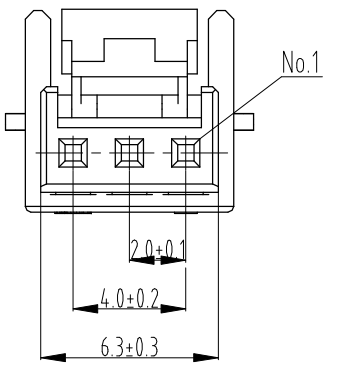


Notes:

- 1.Material: PA66 UL94V-0;
- 2.Matched plug housing: TJC20082-nADK/nAK/nAWJDK/nAWJK/nABD/nAB/nAWBD/nAWB
TJC20082-nAR, TJC20082-nARP;
- 3.Matched contact: CH-TJC20082-1;
- 4.Packing: Packing bag;
- 5.Compliant to the current RoHS.

CUSTOMER DRAWING						Title: 2.0mm pitch WTB&WTW Housing	
Drawn	Ji.Wu 2022.1.18	Unit	Scale	Size	Edition	Part No.: TJC20082-2Y-1(※※-※)	
Checked	Qu.Wang 2022.3.8	mm	4:1	A4	B	Previous part No.: TJC20082-2Y-1	
		Sheet No.		1 of 1		Document No.: CP-DWG-01424	
Approved	Dongxu.Liu 2022.3.8	CWB				Specification No.: PS4153	

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

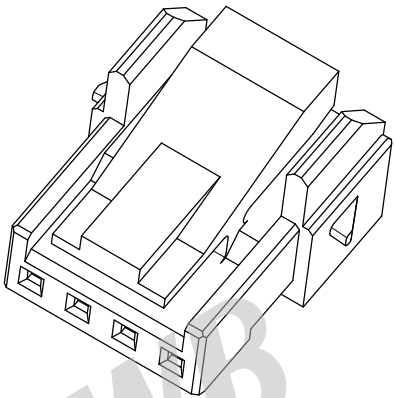
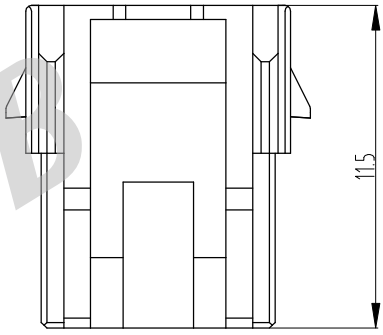
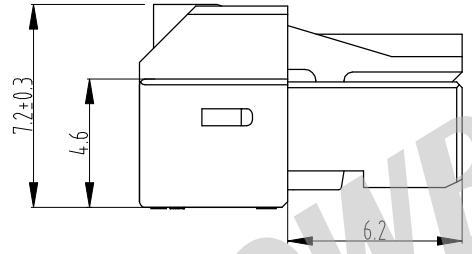
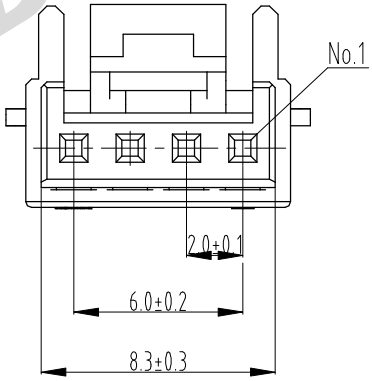


Notes:

- 1.Material: PA66 UL94V-0;
- 2.Matched plug housing: TJC20082-nADK/nAK/nAWJDK/nAWJK/nABD/nAB/nAWBD/nAWB
TJC20082-nAR, TJC20082-nARP;
- 3.Matched contact: CH-TJC20082-1;
- 4.Packing: Packing bag;
- 5.Compliant to the current RoHS.

CUSTOMER DRAWING						Title: 2.0mm pitch WTB&WTW Housing	
Drawn	Ji.Wu 2022.1.18	Unit	Scale	Size	Edition	Part No.:TJC20082-3Y-1 (**-*)	
Checked	Qu.Wang 2022.3.8	mm	4:1	A4	B	Previous part No.: TJC20082-3Y-1	
		Sheet No.		1 of 1		Document No.: CP-DWG-01425	
Approved	Dongxu.Liu 2022.3.8	CWB				Specification No.: PS4153	

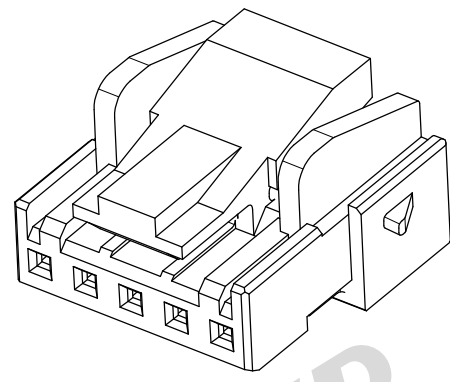
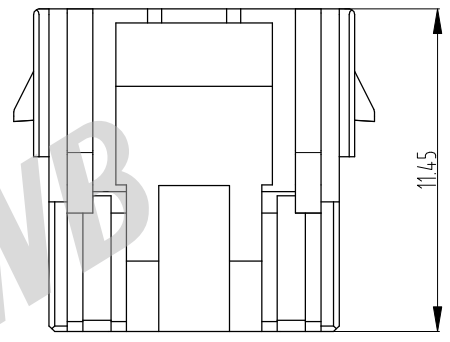
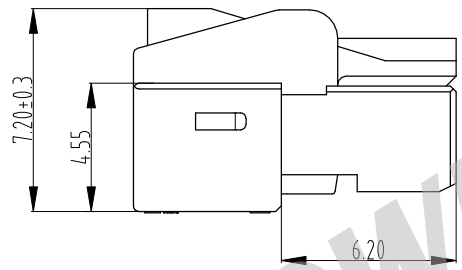
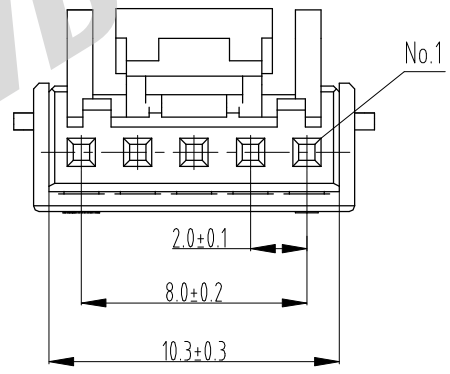
General Tolerance	Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
	0~3		±0.13			Version updating	Rong.Zheng
3~18		±0.23					
18~50		±0.35					
≥50		±0.55					



- Notes:
- 1.Material: PA66 UL94V-0;
 - 2.Matched plug housing: TJC20082-nADK/nAK/nAWJDK/nAWJK/nABD/nAB/nAWBD/nAWB
TJC20082-nAR, TJC20082-nARP;
 - 3.Matched contact: CH-TJC20082-1;
 - 4.Packing: Packing bag;
 - 5.Compliant to the current RoHS.

CUSTOMER DRAWING						Title: 2.0mm pitch WTB&WTW Housing	
Drawn	Ji.Wu 2022.1.18	Unit	Scale	Size	Edition	Part No.:TJC20082-4Y-1 (**-*)	
Checked	Qu.Wang 2022.3.8	mm	4:1	A4	B	Previous part No.: TJC20082-4Y-1	
Approved	Dongxu.Liu 2022.3.8	Sheet No.	1 of 1			Document No.: CP-DWG-01426	
CWB						Specification No.: PS4153	

General Tolerance	Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
	0~3	±0.13			Version updating	Rong.Zheng	2022.3.8
	3~18	±0.23					
	18~50	±0.35					
	≥50	±0.55					

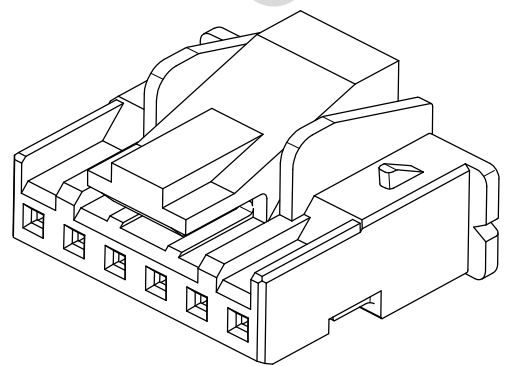
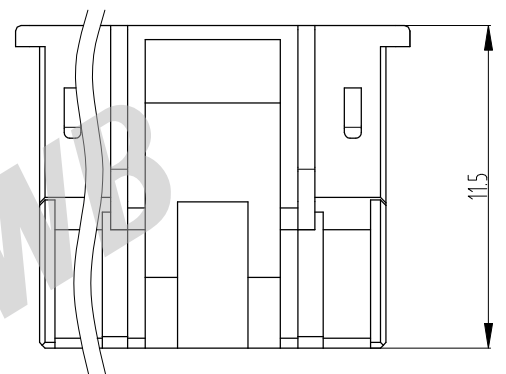
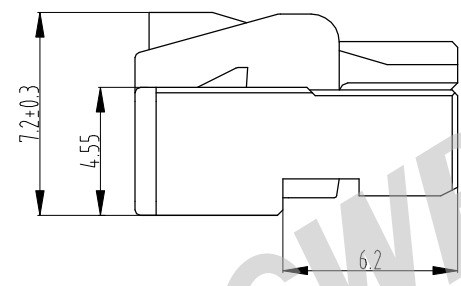
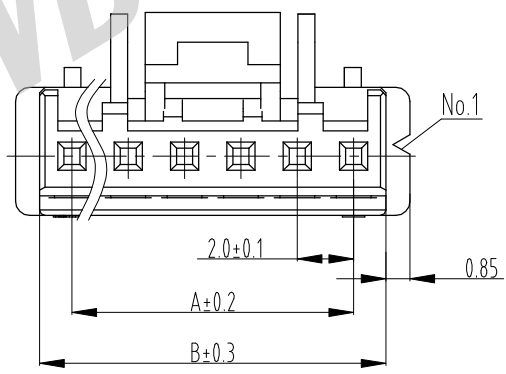


Notes:

- 1.Material: PA66 UL94V-0;
- 2.Matched plug housing: TJC20082-nADK/nAK/nAWJDK/nAWJK/nABD/nAB/nAWBD/nAWB
TJC20082-nAR, TJC20082-nARP
- 3.Matched contact: CH-TJC20082-1;
- 4.Matched retainer: TJC20082-nS;
- 5.Packing: Packing bag;
- 6.Compliant to the current RoHS.

CUSTOMER DRAWING						Title: 2.0mm pitch WTB&WTW Housing	
Drawn	Ji.Wu 2022.1.18	Unit	Scale	Size	Edition	Part No.:TJC20082-5Y-1(**-*)	
Checked	Qu.Wang 2022.3.8	mm	4:1	A4	B	Previous part No.: TJC20082-5Y-1	
		Sheet No.		1 of 1		Document No.: CP-DWG-01427	
Approved	Dongxu.Liu 2022.3.8	CWB				Specification No.: PS4153	

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



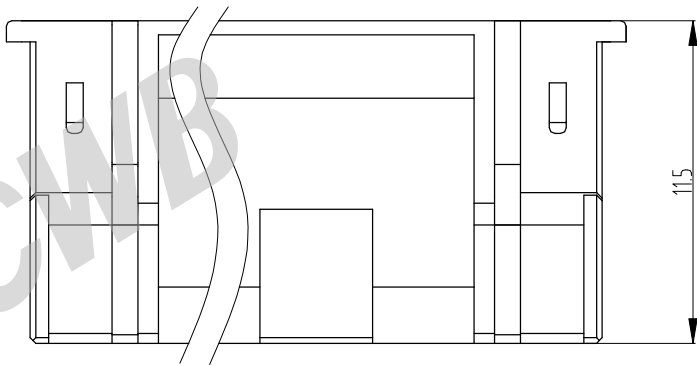
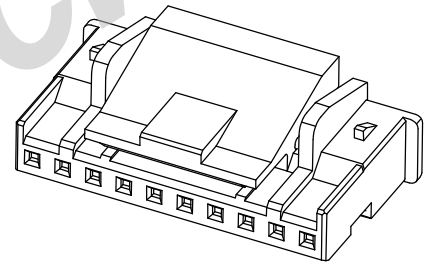
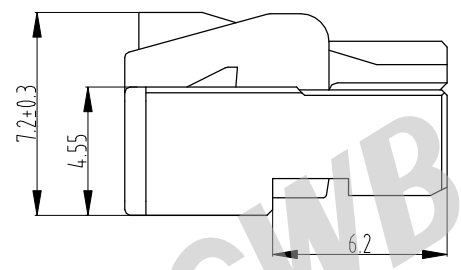
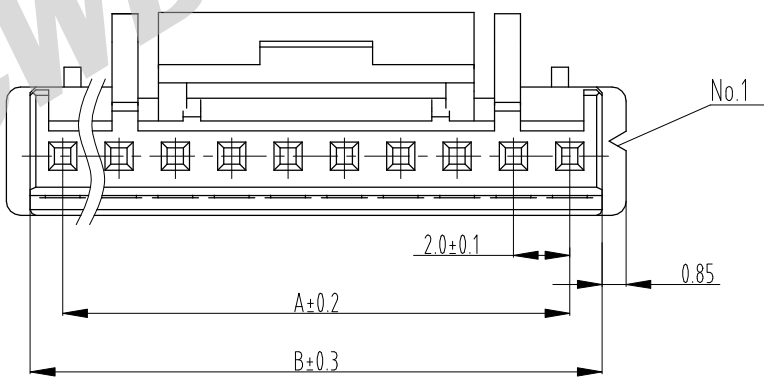
Notes:

- 1.Material: PA66 UL94V-0;
- 2.Matched plug housing: TJC20082-nADK/nAK/nAWJDK/nAWJK/nABD/nAB/nAWBD/nAWB
TJC20082-nAR, TJC20082-nARP;
- 3.Matched contact: CH-TJC20082-1;
- 4.Matched retainer: TJC20082-nS;
- 5.Packing: Packing bag;
- 6.Compliant to the current RoHS.

9	TJC20082-9Y-1	TJC20082-9Y-1	16	18.3
8	TJC20082-8Y-1	TJC20082-8Y-1	14	16.3
7	TJC20082-7Y-1	TJC20082-7Y-1	12	14.3
6	TJC20082-6Y-1	TJC20082-6Y-1	10	12.3
kts(n)	Part No.	Previous part No.	A	B
			Dimensions	

CUSTOMER DRAWING						Title: 2.0mm pitch WTB&WTW Housing	
Drawn	Ji.Wu 2022.1.18	Unit	Scale	Size	Edition	Part No.:TJC20082-nY-1(※-※)	
Checked	Qu.Wang 2022.3.8	mm	4:1	A4	B	Previous part No.: TJC20082-nY-1	
Approved	Dongxu.Liu 2022.3.8	Sheet No.	1 of 1			Document No.: CP-DWG-01428	
CWB						Specification No.: PS4153	

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



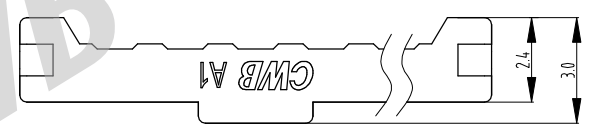
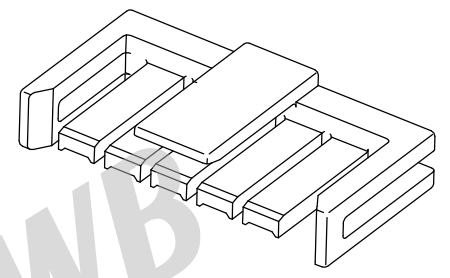
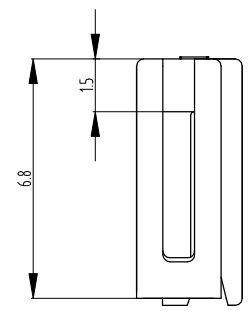
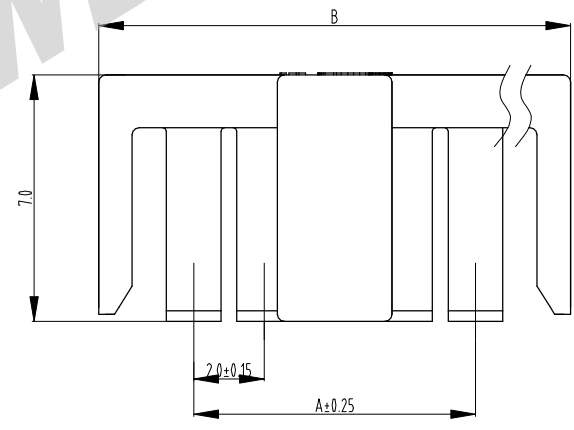
Notes:

- 1.Material: PA66 UL94V-0;
- 2.Matched plug housing: TJC20082-nADK/nAK/nAWJDK/nAWJK/nABD/nAB/nAWBD/nAWB
TJC20082-nAR, TJC20082-nARP;
- 3.Matched contact: CH-TJC20082-1;
- 4.Matched retainer: TJC20082-nS;
- 5.Packing: Packing bag;
- 6.Compliant to the current RoHS.

15	TJC20082-15Y-1	TJC20082-15Y-1	28	30.3
13	TJC20082-13Y-1	TJC20082-13Y-1	24	26.3
12	TJC20082-12Y-1	TJC20082-12Y-1	22	24.3
11	TJC20082-11Y-1	TJC20082-11Y-1	20	22.3
10	TJC20082-10Y-1	TJC20082-10Y-1	18	20.3
Ckts(n)	Part No.	Previous part No.	A	B
			Dimensions	

CUSTOMER DRAWING						Title: 2.0mm pitch WTB&WTW Housing	
Drawn	Ji.Wu 2022.1.18	Unit	Scale	Size	Edition	Part No.:TJC20082-nY-1(**-*)	
Checked	Qu.Wang 2022.3.8	mm	4:1	A4	B	Previous part No.: TJC20082-nY-1	
		Sheet No.		1 of 1		Document No.: CP-DWG-01429	
Approved	Dongxu.Liu 2022.3.8	CWB				Specification No.: PS4153	

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



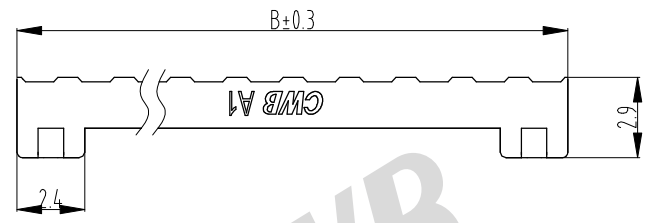
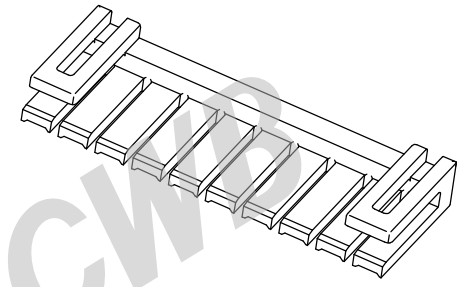
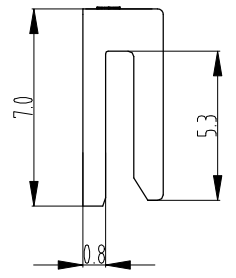
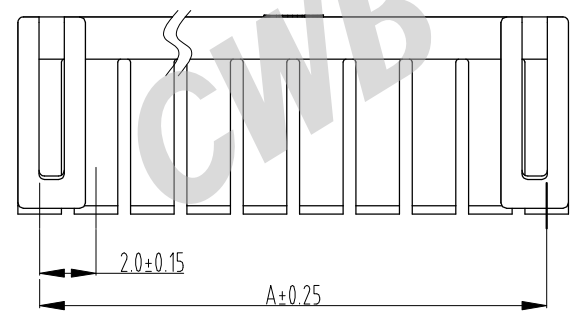
Notes:

- 1.Material: PA66+GF UL94V-0;
- 2.Matched receptacle housing: TJC20082-nAR,TJC20082-nARP;
- 3.Matched plug housing: TJC20082-nY-1;
- 4.Packing: Packing bag;
- 5.Compliant to the current RoHS.

5	TJC20082-5YS-1	TJC20082-5S	8	13.4
4	TJC20082-4YS-1	TJC20082-4S	6	11.4
3	TJC20082-3YS-1	TJC20082-3S	4	9.4
2	TJC20082-2YS-1	TJC20082-2S	/	7.4
Ck'ts	Previous part No.	Part No.	Dimension	
			A	B

CUSTOMER DRAWING						Title: 2.0mm pitch WTB&WTW Retainer	
Drawn	Ji.Wu 2022.1.18	Unit	Scale	Size	Edition	Part No.:TJC20082-nS **(**-*)	
Checked	Qu.Wang 2022.3.8	mm	5:1	A4	B	Previous part No.:TJC20082-nYS-1	
Approved	Dongxu.Liu 2022.3.8	Sheet No.	1 of 1			Document No.: CP-DWG-01430	
CWB						Specification No.: PS4153	

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



Architectural difference (FYI)

- Notes:
- 1.Material: PA66+GF UL94V-0;
 - 2.Matched receptacle housing: TJC20082-nAR/TJC20082-nARP;
 - 3.Matched plug housing: TJC20082-nY-1;
 - 4.Packing: Packing bag;
 - 5.Compliant to the current RoHS.

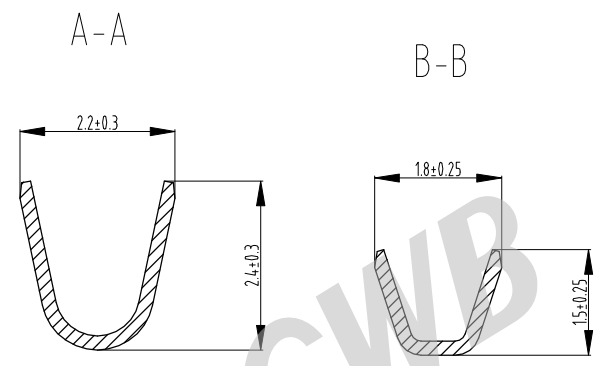
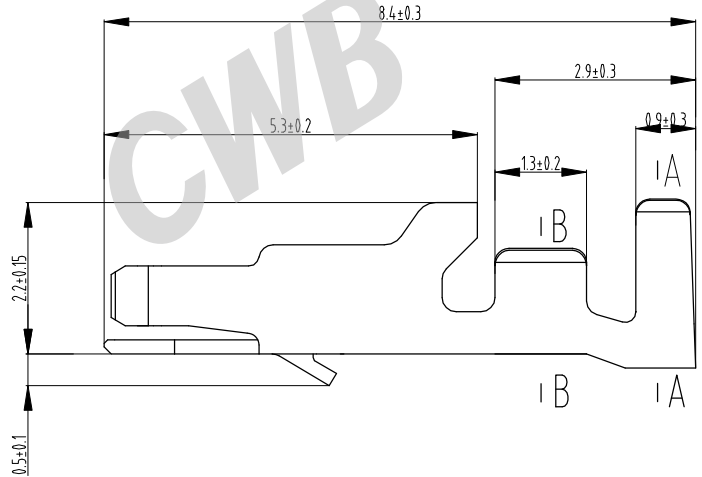
Ckts	Previous part No.	Part No.	A	B	Dimension	Ckts	Previous part No.	Part No.	A	B	Dimension
10		TJC20082-10YS-1				18		TJC20082-18S			19.55
9		TJC20082-9YS-1				16		TJC20082-9S			17.55
13		TJC20082-13YS-1	28	29.55		8		TJC20082-8YS-1			15.55
12		TJC20082-12YS-1	24	25.55		7		TJC20082-8S			14
11		TJC20082-11YS-1	22	23.55		6		TJC20082-7YS-1			12
		TJC20082-11S	20	21.55		10		TJC20082-7S			13.55
		TJC20082-11S	20	21.55		6		TJC20082-6YS-1			10
		TJC20082-11S	20	21.55		10		TJC20082-6S			11.55

CUSTOMER DRAWING

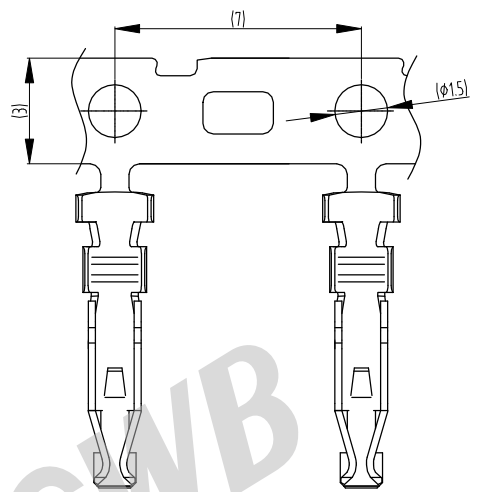
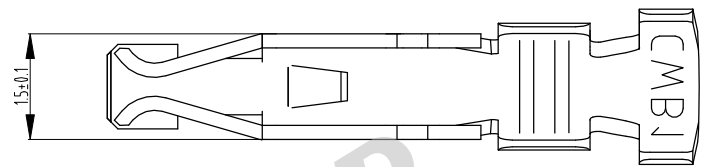
Title: 2.0mm pitch WT&WTW Retainer

Drawn	Ji.Wu 2022.1.18	Unit	Scale	Size	Edition	Part No.:TJC20082-nS **(**-*)
Checked	Qu.Wang 2022.3.8	mm	4:1	A4	B	Previous part No.: TJC20082-nYS-1
Approved	Dongxu.Liu 2022.3.8	Sheet No.	1 of 1			Document No.: CP-DWG-01431
CWB						Specification No.: PS4153

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



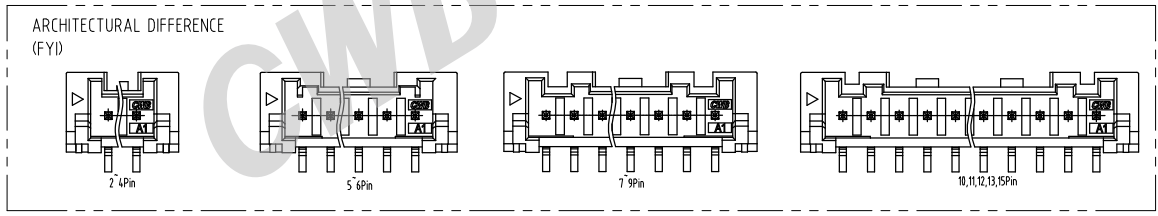
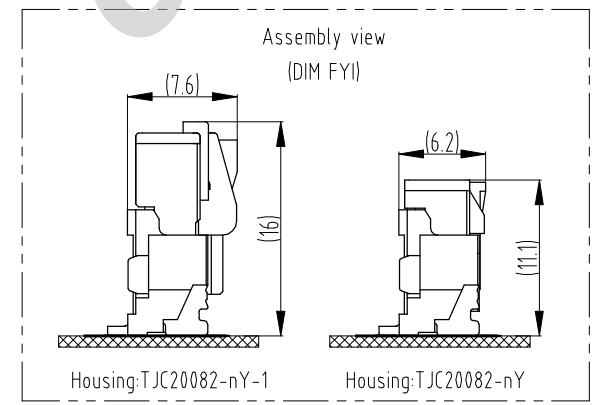
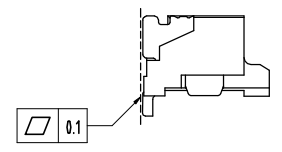
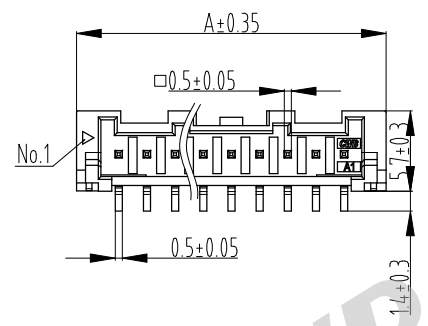
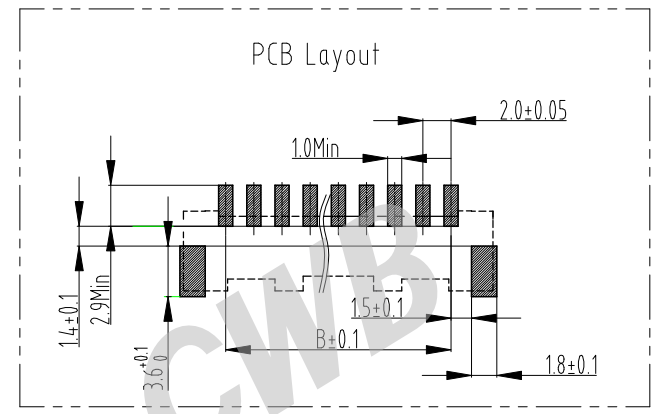
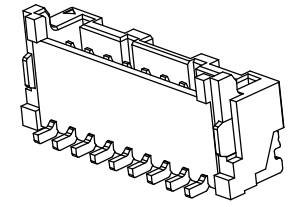
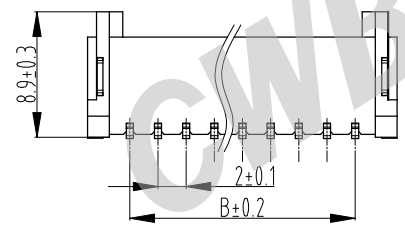
Contact view (FYI)



- Notes:
1. Material: Phosphor bronze, thickness=0.2mm
 2. Surface finish: Tin plated
 3. Matched housing: TJC20082-nY-1
 4. Applicable wires: AWG#24~ AWG#22
 5. Compliant to the current RoHS

CUSTOMER DRAWING						Title: 2.0mm pitch WTB&WTW Contact	
Drawn	Ji Wu 2022.1.18	Unit	Scale	Size	Edition	Part No.: CH-TJC20082-1-***	
Checked	Qu Wang 2022.3.8	mm	10:1	A4	B	Previous part No.: CH-TJC20082-1-D	
		Sheet No.		1 of 1		Document No.: CP-DWG-01432	
Approved	Dongxu.Liu 2022.3.8	CWB				Specification No.: PS4153	

General Tolerance	Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
	0~3	±0.13	/	/	Version updating	Rong.Zheng	2022.3.8
	3~18	±0.23	/	/	Version updating	Zhibin.Wang	2022.11.3
	18~50	±0.35	/	/	Version updating	Zhibin.Wang	2023.1.30
	≥50	±0.55	/	/			



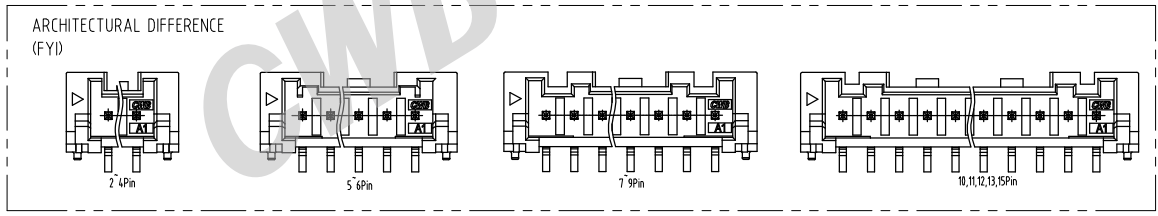
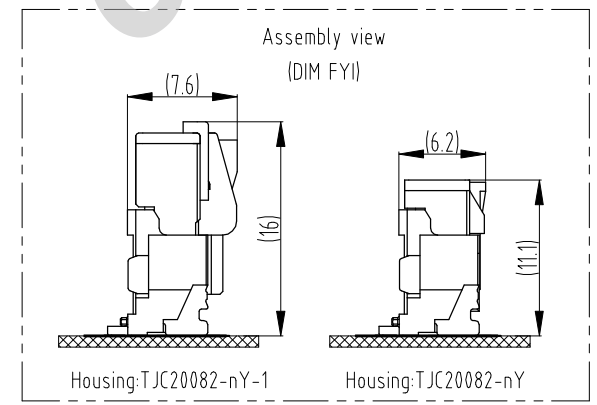
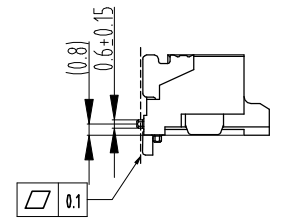
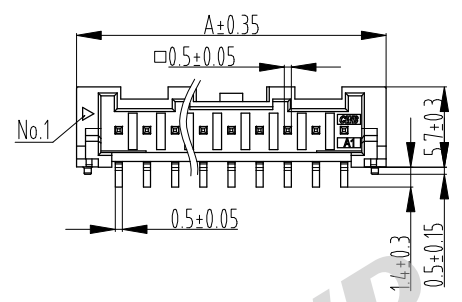
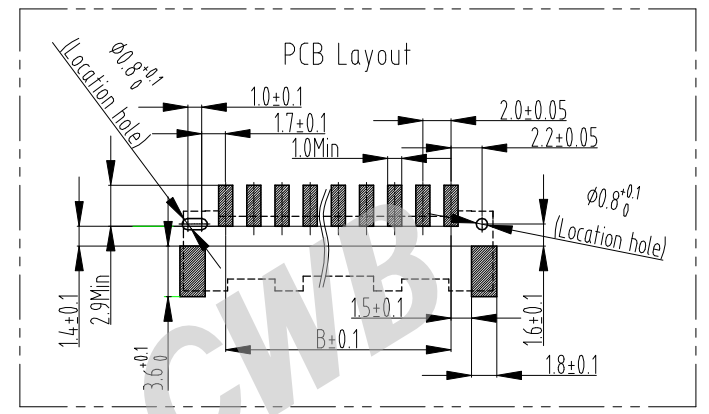
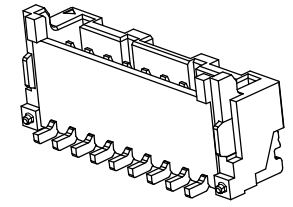
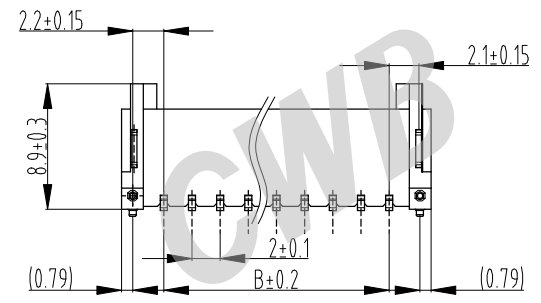
Notes:

- Material:
Wafer: PA9T UL94 V-0
Post: Brass, tin plated
- Matched housing: TJC20082-nY/TJC20082-nY-1
- Packaging: Carrier tape
- Compliant to the current RoHS.

15	/	TJC20082-15AB	34	28	8	/	TJC20082-8AB	20	14
14	/	TJC20082-14AB	32	26	7	/	TJC20082-7AB	18	12
13	/	TJC20082-13AB	30	24	6	/	TJC20082-6AB	16	10
12	/	TJC20082-12AB	28	22	5	/	TJC20082-5AB	14	8
11	/	TJC20082-11AB	26	20	4	/	TJC20082-4AB	12	6
10	/	TJC20082-10AB	24	18	3	/	TJC20082-3AB	10	4
9	/	TJC20082-9AB	22	16	2	/	TJC20082-2AB	8	4
Ckts	Previous part No.	Part No.	A B Dimension		Ckts	Previous part No.	Part No.	A B Dimension	

CUSTOMER DRAWING						Title: 2.0mm pitch SMT Header			
Drawn	Ji.Wu 2022.1.18	Unit	Scale	Size	Edition	Part No.:TJC20082-nAB(**-*)			
Checked	Qu.Wang 2023.1.30	mm	2:1	A4	B	Previous part No.: /			
Approved	Dongxu.Liu 2023.1.30	Sheet No.		1 Of 1		Document No.: CP-DWG-01438			
CWB						Specification No.: PS4153			

General Tolerance	Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
	0~3		±0.13			Version updating	Rong.Zheng
3~18		±0.23			Version updating	Zhibin.Wang	2022.11.3
18~50		±0.35			Version updating	Zhibin.Wang	2023.1.30
≥50		±0.55					



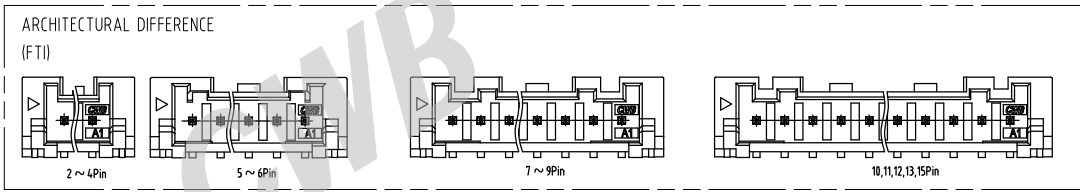
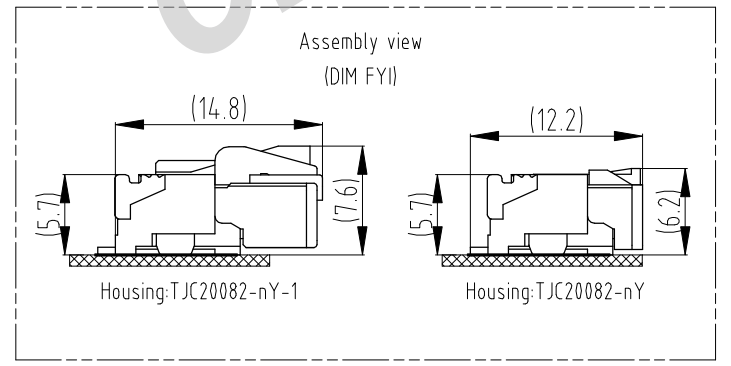
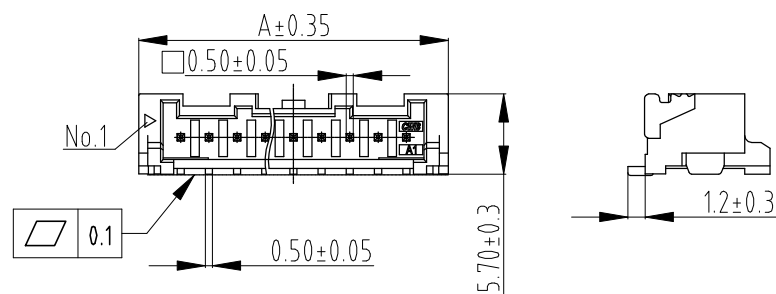
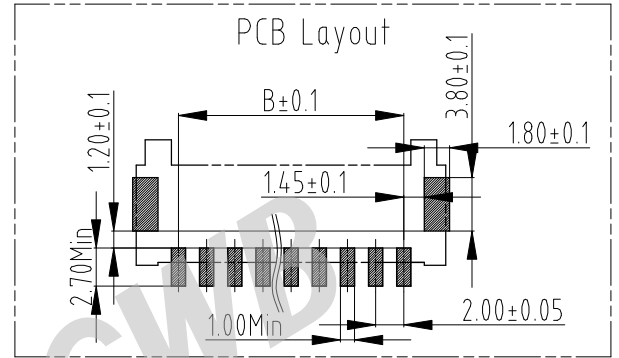
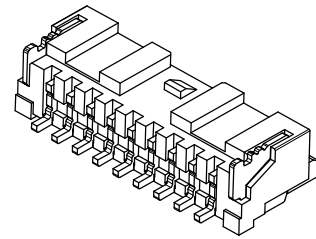
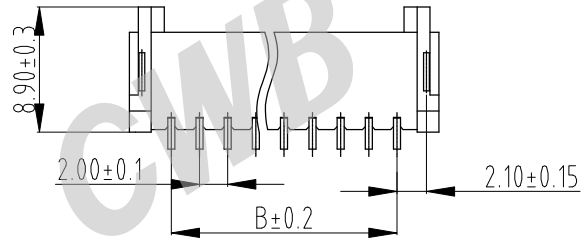
15	/	TJC20082-15ABD	34	28	8	/	TJC20082-8ABD	20	14
14	/	TJC20082-14ABD	32	26	7	/	TJC20082-7ABD	18	12
13	/	TJC20082-13ABD	30	24	6	/	TJC20082-6ABD	16	10
12	/	TJC20082-12ABD	28	22	5	/	TJC20082-5ABD	14	8
11	/	TJC20082-11ABD	26	20	4	/	TJC20082-4ABD	12	6
10	/	TJC20082-10ABD	24	18	3	/	TJC20082-3ABD	10	4
9	/	TJC20082-9ABD	22	16	2	/	TJC20082-2ABD	8	
Ckts	Previous part No.	Part No.	A B Dimension		Ckts	Previous part No.	Part No.	A B Dimension	

Notes:

- Material:
Wafer: PA9T UL94 V-0
Post: Brass,tin plated
- Matched housing: TJC20082-nY/TJC20082-nY-1
- Packaging: Carrier tape
- Compliant to the current RoHS.

CUSTOMER DRAWING						Title: 2.0mm pitch SMT Header	
Drawn	Ji.Wu 2022.1.18	Unit	Scale	Size	Edition	Part No.:TJC20082-nABD[*-*-*]	
Checked	Qu.Wang 2023.1.30	mm	2:1	A4	B	Previous part No.: /	
Approved	Dongxu.Liu 2023.1.30	Sheet No.	1 Of 1			Document No.: CP-DWG-01439	
						Specification No.: PS4153	

General tolerance	Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
	0~3	±0.13	/	/	Version updating	Rong.Zheng	2022.3.8
	3~18	±0.23	/	/	Version updating	Zhibin.Wang	2022.11.3
	18~50	±0.35	/	/	Version updating	Zhibin.Wang	2023.1.30
	≥50	±0.55	/	/			



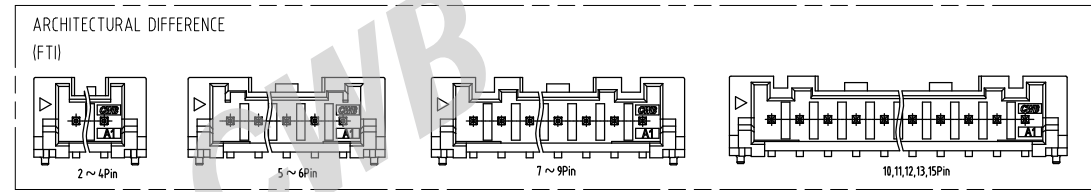
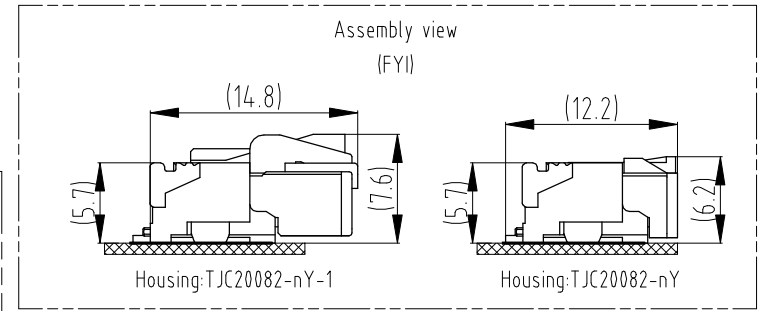
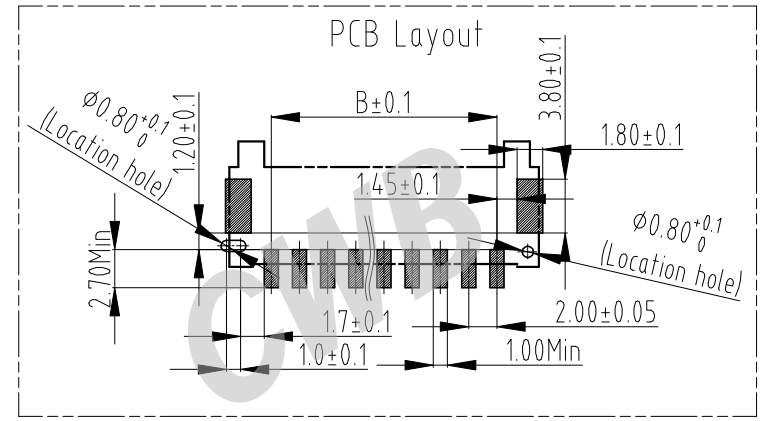
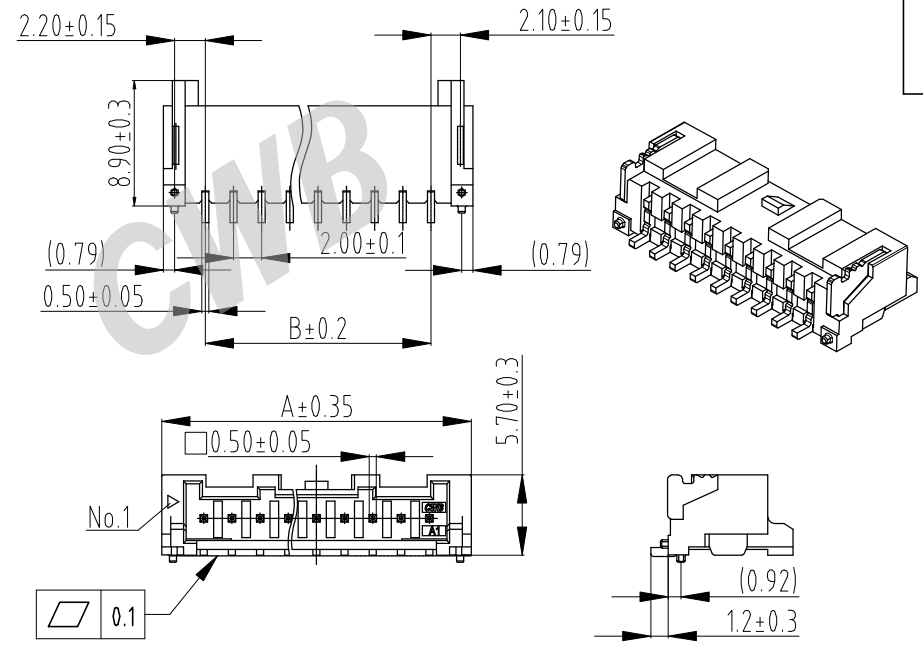
Notes:

- 1.Material:
Wafer: PA9T UL94 V-0
Post: Brass,tin plated
- 2.Matched housing: TJC20082-nY/TJC20082-nY-1
- 3.Packaging: Carrier tape
- 4.Compliant to the current RoHS.

15	/	TJC20082-15AWB	34	28	8	/	TJC20082-8AWB	20	14
14	/	TJC20082-14AWB	32	26	7	/	TJC20082-7AWB	18	12
13	/	TJC20082-13AWB	30	24	6	/	TJC20082-6AWB	16	10
12	/	TJC20082-12AWB	28	22	5	/	TJC20082-5AWB	14	8
11	/	TJC20082-11AWB	26	20	4	/	TJC20082-4AWB	12	6
10	/	TJC20082-10AWB	24	18	3	/	TJC20082-3AWB	10	4
9	/	TJC20082-9AWB	22	16	2	/	TJC20082-2AWB	8	4
Ckts	Previous part No.	Part No.	A B		Ckts	Previous part No.	Part No.	A B	
			Dimension					Dimension	

CUSTOMER DRAWING						Title: 2.0mm pitch SMT Header	
Drawn	Ji.Wu 2022.1.18	Unit	Scale	Size	Edition	Part No.:TJC20082-nAWB(**-*)	
Checked	Qu-Wang 2023.1.30	mm	2:1	A4	B	Previous part No.: /	
Approved	Dongxu-Liu 2023.1.30	Sheet No.	1 Of 1			Document No.: CP-DWG-01440	
						Specification No.: PS4153	

Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
0~3	±0.13	/	/	Version updating	Rong.Zheng	2022.3.8
3~18	±0.23	/	/	Version updating	Zhibin.Wang	2022.11.3
18~50	±0.35	/	/	Version updating	Zhibin.Wang	2023.1.30
≥50	±0.55	/	/			



Notes:

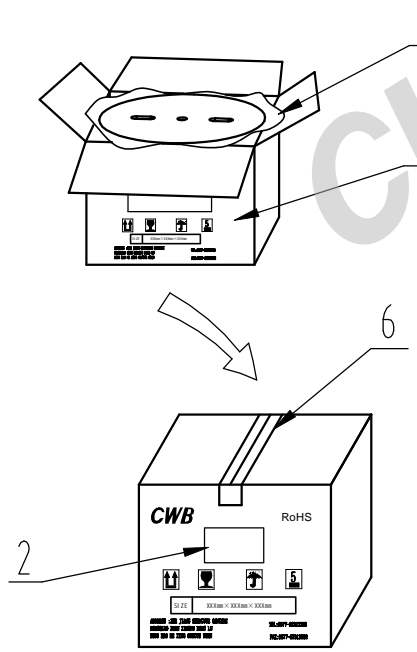
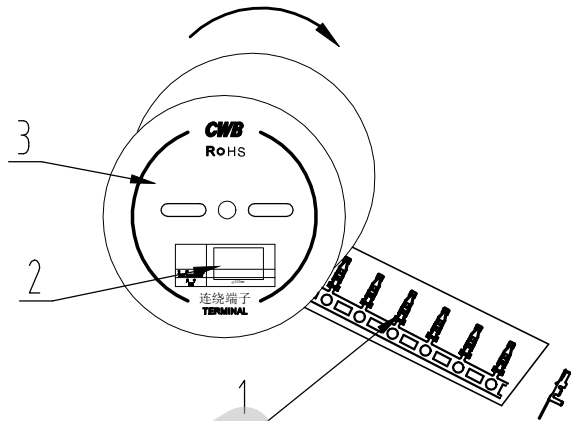
- Material:
Wafer: PA9T UL94 V-0
Post: Brass,tin plated
- Matched housing: TJC20082-nY/TJC20082-nY-1
- Packaging: Carrier tape
- Compliant to the current RoHS.

15	/	TJC20082-15AWBD	34	28	8	/	TJC20082-8AWBD	20	14
14	/	TJC20082-14AWBD	32	26	7	/	TJC20082-7AWBD	18	12
13	/	TJC20082-13AWBD	30	24	6	/	TJC20082-6AWBD	16	10
12	/	TJC20082-12AWBD	28	22	5	/	TJC20082-5AWBD	14	8
11	/	TJC20082-11AWBD	26	20	4	/	TJC20082-4AWBD	12	6
10	/	TJC20082-10AWBD	24	18	3	/	TJC20082-3AWBD	10	4
9	/	TJC20082-9AWBD	22	16	2	/	TJC20082-2AWBD	8	4
Ckts	Previous part No.	Part No.	A B		Ckts	Previous part No.	Part No.	A B	
			Dimension					Dimension	

CUSTOMER DRAWING						Title: 2.0mm pitch SMT Header	
Drawn	Ji.Wu 2022.1.18	Unit	Scale	Size	Edition	Part No.:TJC20082-nAWBD(*-*-*)	
Checked	Qu-Wang 2023.1.30	mm	2:1	A4	B	Previous part No.: /	
Approved	Dongxu-Liu 2023.1.30	Sheet No.	1 Of 1		Document No.: CP-DWG-01441		Specification No.: PS4153

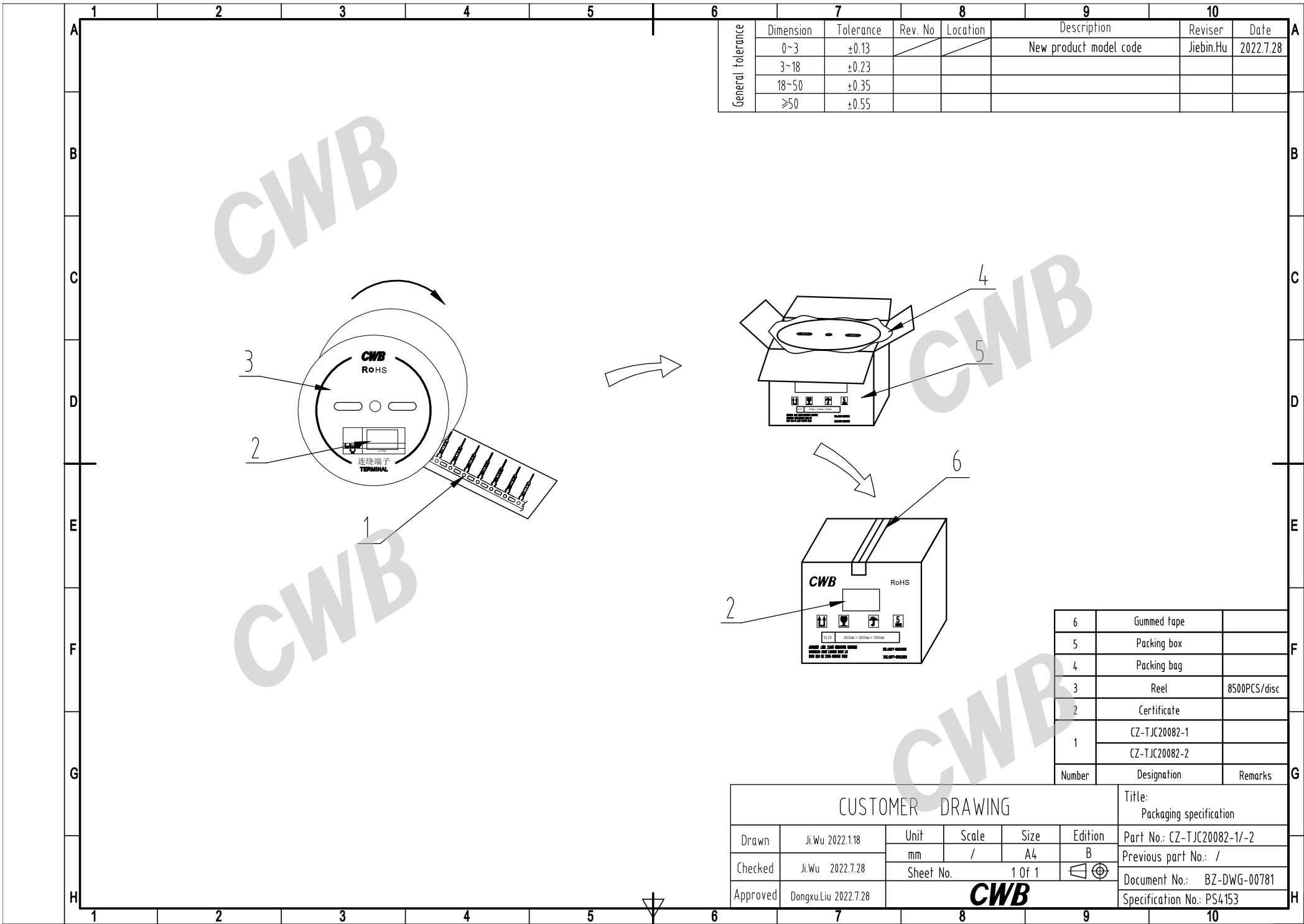


General Tolerance	Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
	0~3	±0.13			Version updating	Rong.Zheng	2022.3.8
	3~18	±0.23					
	18~50	±0.35					
	≥50	±0.55					



6	Gummed tape	
5	Packing box	120000PCS/box
4	Packing bag	120000PCS/bag
3	Reel	8000PCS/disc
2	Certificate	
1	CH-TJC20085 Terminal	
Number	Designation	Remarks

CUSTOMER DRAWING						Title: Packaging specification	
Drawn	Ji.Wu 2022.1.18	Unit	Scale	Size	Edition	Part No.: CH-TJC20085/CH-TJC20085-1	
Checked	Qu. Wang 2022.3.8	mm	/	A4	B	Previous part No.: PHD/PHD-1	
Approved	Dongxu.Liu 2022.3.8	Sheet No.		1 of 1		Document No.: BZ-DWG-00780	
CWB						Specification No.: PS4.118/PS4.153	



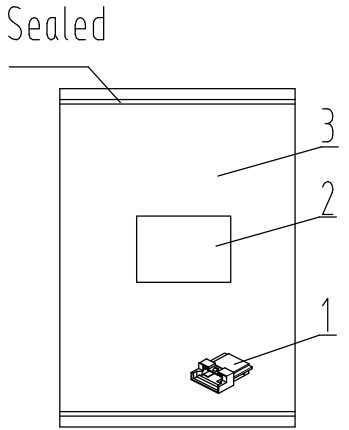
General Tolerance	Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
	0~3	±0.13	/	/	New product model code	Jiebin.Hu	2022.7.28
	3~18	±0.23					
	18~50	±0.35					
	≥50	±0.55					

6	Gummed tape	
5	Packing box	
4	Packing bag	
3	Reel	8500PCS/disc
2	Certificate	
1	CZ-TJC20082-1	
	CZ-TJC20082-2	
Number	Designation	Remarks

CUSTOMER DRAWING						Title: Packaging specification	
Drawn	Ji.Wu 2022.1.18	Unit	Scale	Size	Edition	Part No.: CZ-TJC20082-1/-2	
Checked	Ji.Wu 2022.7.28	mm	/	A4	B	Previous part No.: /	
Approved	Dongxu.Liu 2022.7.28	Sheet No.		1 of 1	Document No.: BZ-DWG-00781		
CWB						Specification No.: PS4153	

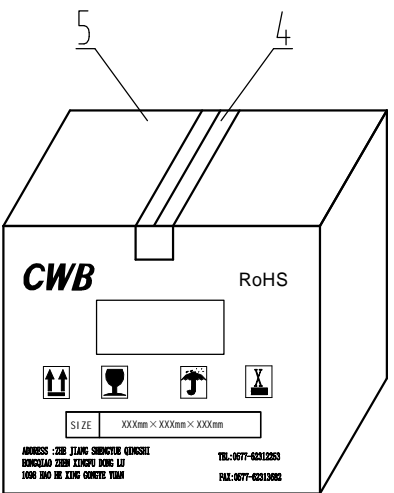
General Tolerance	Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
	0~3		±0.13	/	/	Version updating	Rong.Zheng
3~18		±0.23					
18~50		±0.35					
≥50		±0.55					

Packing bag



Sealed

Packing box



5	Packing box	
4	Gummed tape	
3	Packing bag	1000pcs/bag
2	Certification	
1	TJC20082 Series header	
Number	Designation	Remarks

CUSTOMER DRAWING						Title Packaging specification	
Drawn	Ji.Wu	2022.1.18	Unit	Scale	Size	Edition	Part No.: TJC20082-nAR/TJC20082-nARP
Checked	Qu.Wang	2022.1.18	mm	/	A4	B	Previous part No.: TJC20082-nA-1/TJC20082A-nA-2
Approved	Dongxu.Liu	2022.1.18	Sheet No.	1 of 1			Document No.: BZ-DWG-00782
CWB							Specification No.: PS4.153

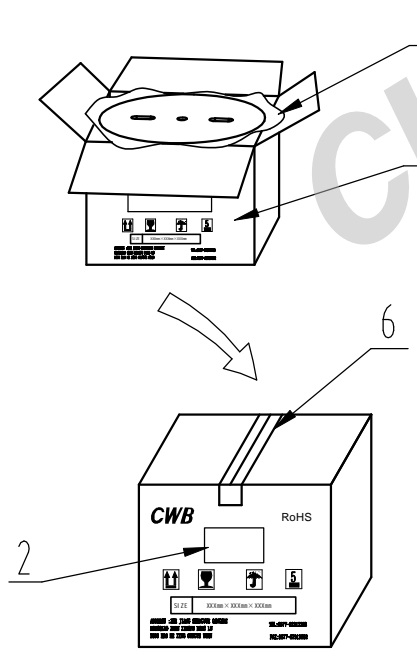
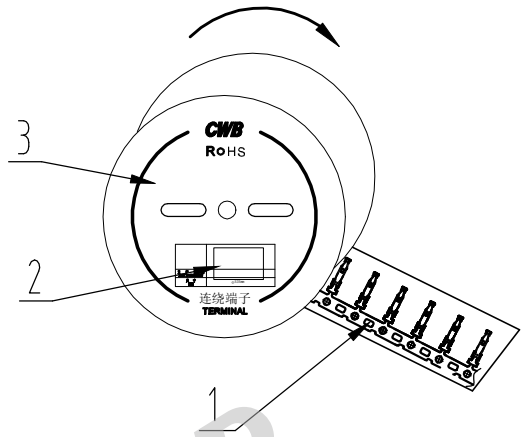
CWB

CWB

CWB

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					

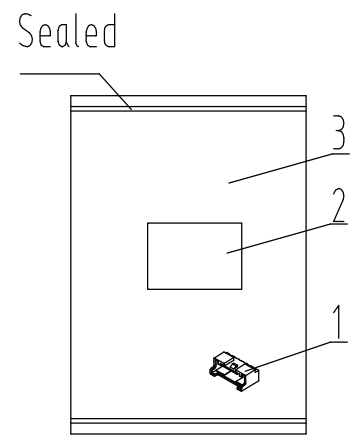


6	Gummed tape	
5	Packing box	150000PCS/box
4	Packing bag	150000PCS/bag
3	Reel	10000PCS/disc
2	Certificate	
1	CH-TJC20082-1 Terminal	
Number	Designation	Remarks

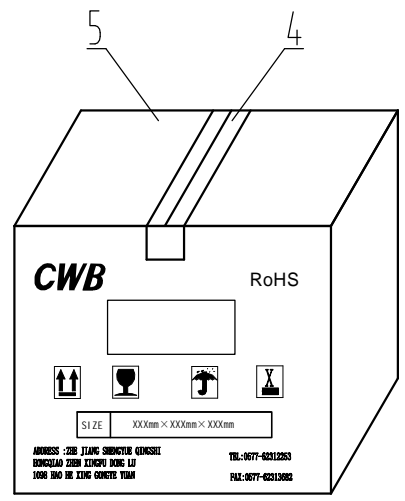
CUSTOMER DRAWING						Title: Packaging specification	
Drawn	Ji.Wu 2022.1.18	Unit	Scale	Size	Edition	Part No.: CH-TJC20082-1	
Checked	Qu.Wang 2022.1.18	mm	/	A4	B	Previous part No.: /	
Approved	Dongxu.Liu 2022.1.18	Sheet No.		1 of 1	Document No.: BZ-DWG-00783		
CWB						Specification No.: PS4153	

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					

Packing bag



Packing box

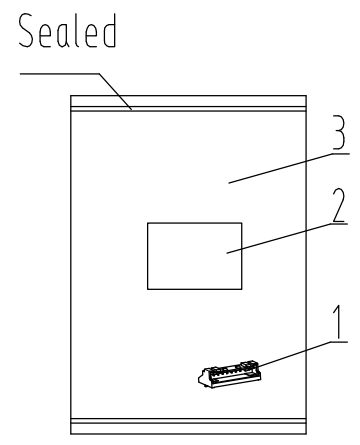


5	Packing box	
4	Gummed tape	
3	Packing bag	1000pcs/bag
2	Certification	
1	TJC20082 Series header	
Number	Designation	Remarks

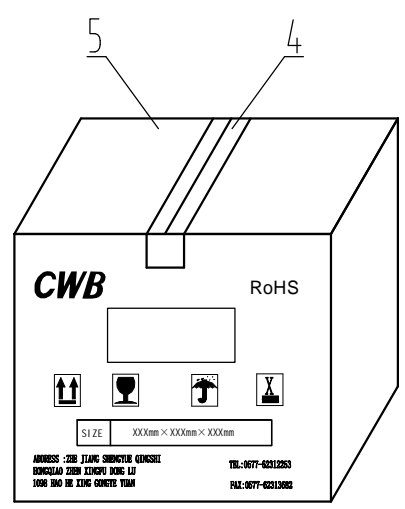
CUSTOMER DRAWING						Title: Packaging Specification	
Drawn	Ji.Wu 2022.1.18	Unit	Scale	Size	Edition	Part No.: TJC20082-nADK/nAK	
Checked	Qu.Wang 2022.1.18	mm	/	A4	B	Previous part No: /	
		Sheet No.		1 of 1		Document No.: BZ-DWG-00784	
Approved	Dongxu.Liu 2022.1.18	CWB				Specification No.: PS4.153	

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					

Packing bag



Packing box

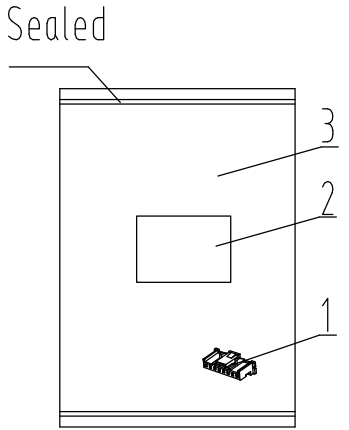


5	Packing box				
4	Gummed tape				
3	Packing bag	TJC20082-10AWJK 16AWJK	/	500	
2	Certification	TJC20082-10AWJDK 16AWJDK	/	500	
1	TJC20082 Series header	TJC20082-2AWJK 9AWJK	/	1000	
1	TJC20082-2AWJDK 9AWJDK		/	1000	
Number	Designation	Part No.	Part No.	Pcs/bag	Remarks

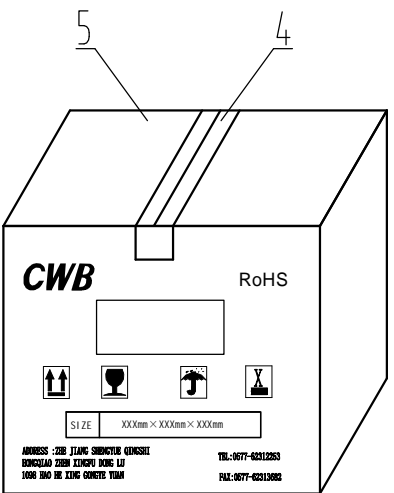
CUSTOMER DRAWING						Title: Packaging Specification	
Drawn	Ji.Wu 2022.1.18	Unit	Scale	Size	Edition	Part No.: TJC20082-nAWJDK/nAWJK	
Checked	Qu.Wang 2022.1.18	mm	/	A4	B	Previous part No.: /	
Approved	Dongxu.Liu 2022.1.18	Sheet No.	1 of 1		Document No.: BZ-DWG-00785		
CWB						Specification No.: PS4.153	

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					

Packing bag



Packing box

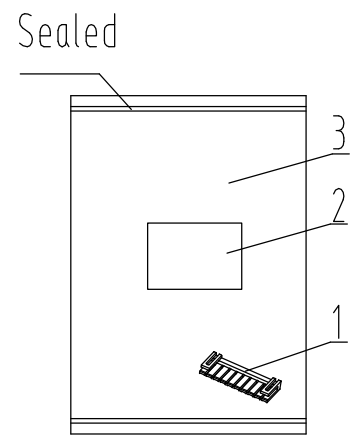


5	Packing box	
4	Gummed tape	
3	Packing bag	1000pcs/bag
2	Certification	
1	TJC20082 Housing	
Number	Designation	Remarks

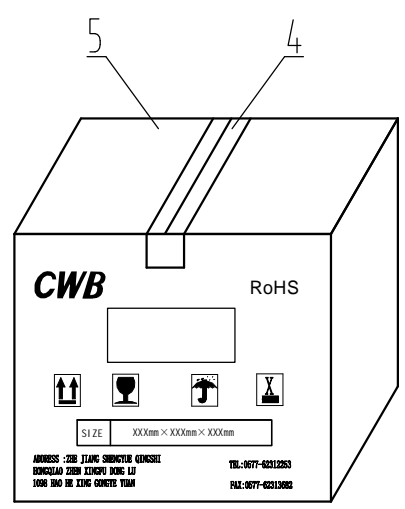
CUSTOMER DRAWING						Title: Packaging specification	
Drawn	Ji.Wu 2022.1.18	Unit	Scale	Size	Edition	Part No.: TJC20082-nY/nY-1	
Checked	Qu.Wang 2022.1.18	mm	/	A4	B	Previous part No: /	
		Sheet No.		1 of 1		Document No.: BZ-DWG-00786	
Approved	Dongxu.Liu 2022.1.18	CWB				Specification No.: PS4.153	

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					

Packing bag



Packing box



TJC20082-15S	/	1000			
TJC20082-13S	/	1000			
TJC20082-12S	/	1000			
TJC20082-11S	/	1000			
TJC20082-10S	/	1000			
TJC20082-9S	/	1000			
TJC20082-8S	/	1000			
TJC20082-7S	/	1000			
TJC20082-6S	/	1000			
TJC20082-5S	/	1000			
TJC20082-4S	/	1000			
TJC20082-3S	/	1000			
TJC20082-2S	/	1000			
Number	Designation	Part No.	Previous part No.	Pcs/bag	Remarks
5	Packing box	TJC20082-7S	/	1000	
4	Gummed tape	TJC20082-6S	/	1000	
3	Packing bag	TJC20082-5S	/	1000	
2	Certification	TJC20082-4S	/	1000	
1	TJC20082 Series retainer	TJC20082-2S	/	1000	

CUSTOMER DRAWING						Title: Packaging specification	
Drawn	Ji.Wu 2022.1.18	Unit	Scale	Size	Edition	Part No.: TJC20082-nS	
Checked	Qu.Wang 2022.1.18	mm	/	A4	B	Previous part No.: /	
Approved	Dongxu.Liu 2022.1.18	Sheet No. 1 of 1				Document No.: BZ-DWG-00787	
						Specification No.: PS4.153	

CWB

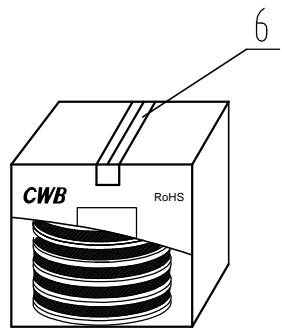
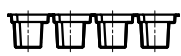
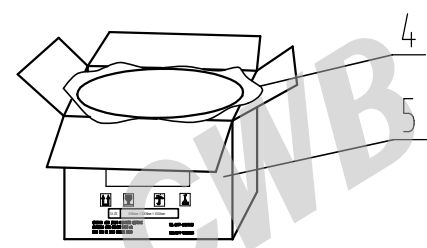
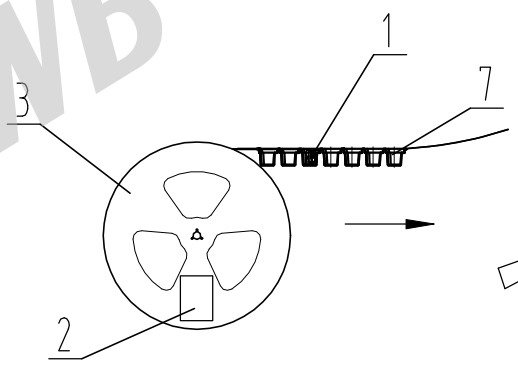
CWB

CWB

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					

CWB



CWB

7	Carrier tape	
6	Gummed tape	
5	Packing box	
4	Packing bag	
3	Reel	
2	Certification	
1	TJC20082-nABD/nAB Connector	500/reel
	TJC20082-nAWBD/nAWB Connector	750/reel
Number	Designation	Remarks

CUSTOMER DRAWING						Title: Packaging Specification	
Drawn	Ji.Wu 2022.1.18	Unit	Scale	Size	Edition	Part No.:TJC20082-nABD/nAWBD/nAB/nAWB	
Checked	Ou.Wang 2022.3.8	mm	/	A4	B	Previous part No.: /	
		Sheet No.		1 Of 1		Document No.: BZ-DWG-00788	
Approved	Dongxu.Liu 2022.3.8	CWB				Specification No.: PS4.153	

CWB

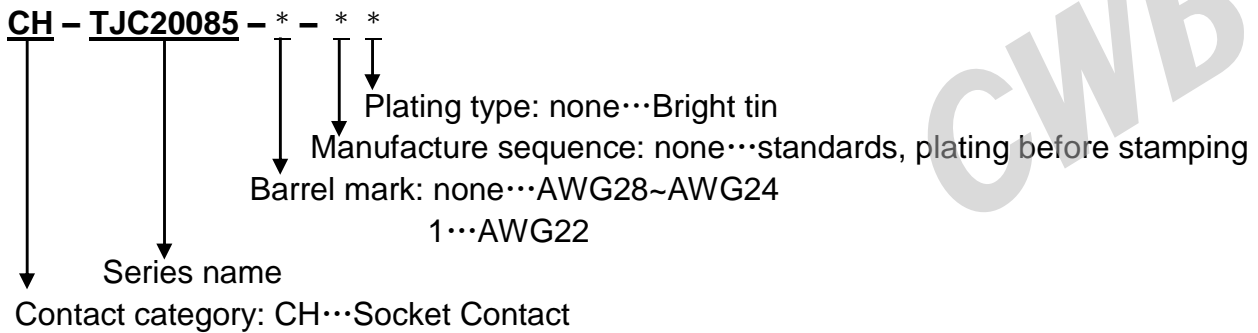


TJC20082, TJC20085 系列命名规则

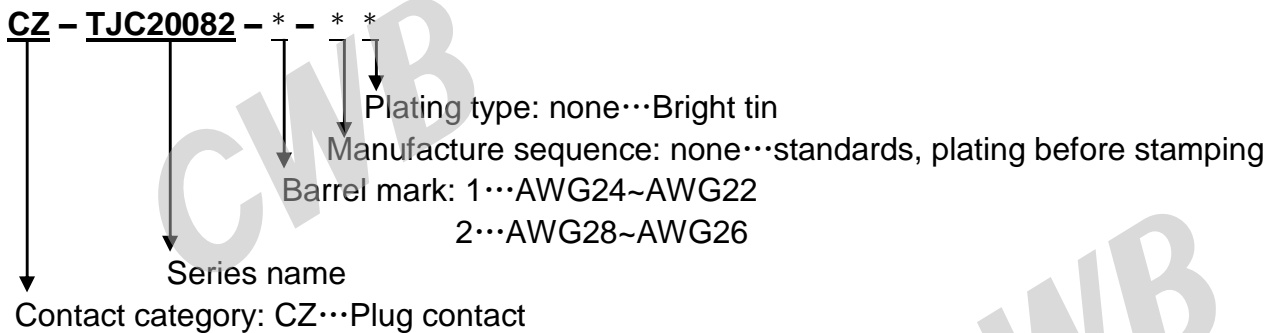
TJC20082, TJC20085 series naming conventions

1. Contact

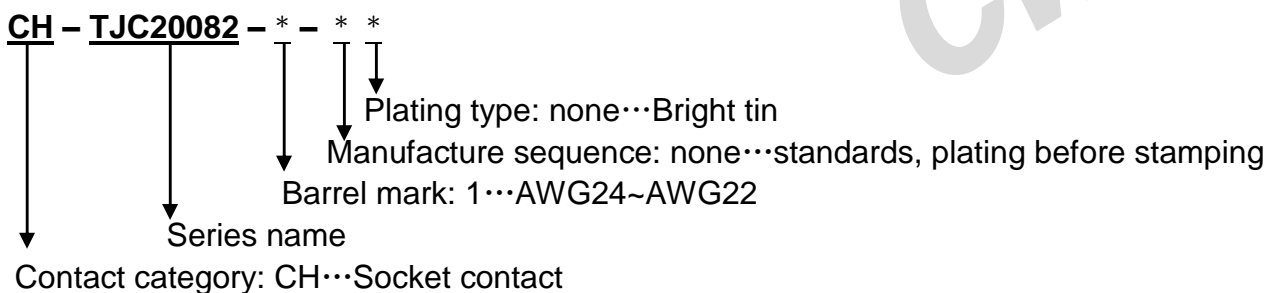
CH-TJC20085-**, CH-TJC20085-1-**



CZ- TJC20082-1-**, CZ-TJC20082-2-**



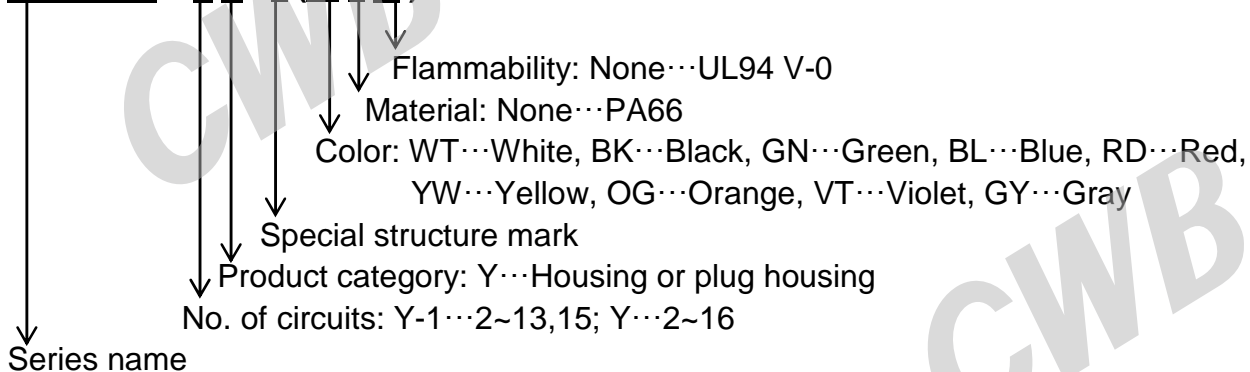
CH-TJC20082-1-**



2. Housing

TJC20082-nY(**), TJC20082-nY-1 (**)

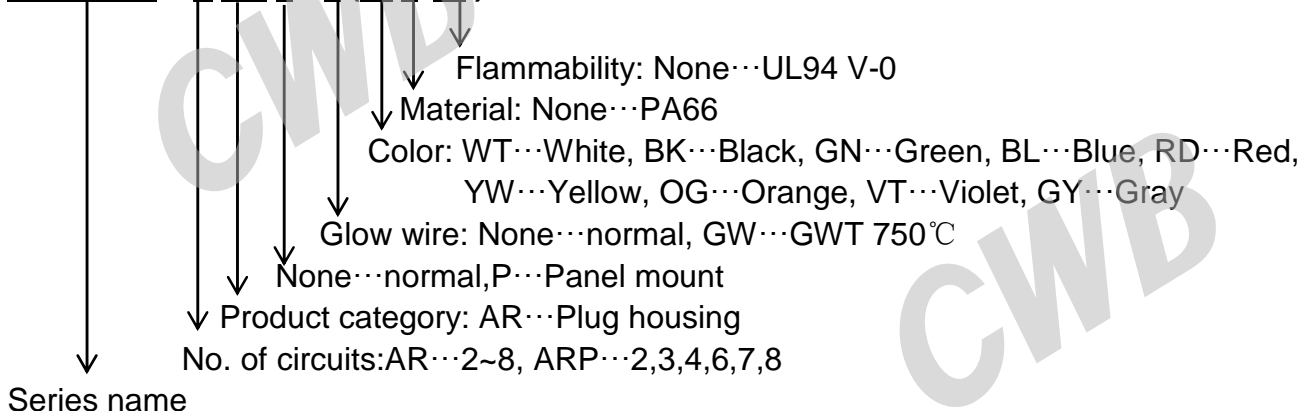
TJC20082 - n Y - * (* * * - *)



3. Plug housing

TJC20082-nAR(**-*), TJC20082-nARP(**-*)

TJC20082 - n AR *...* (* * * - *)

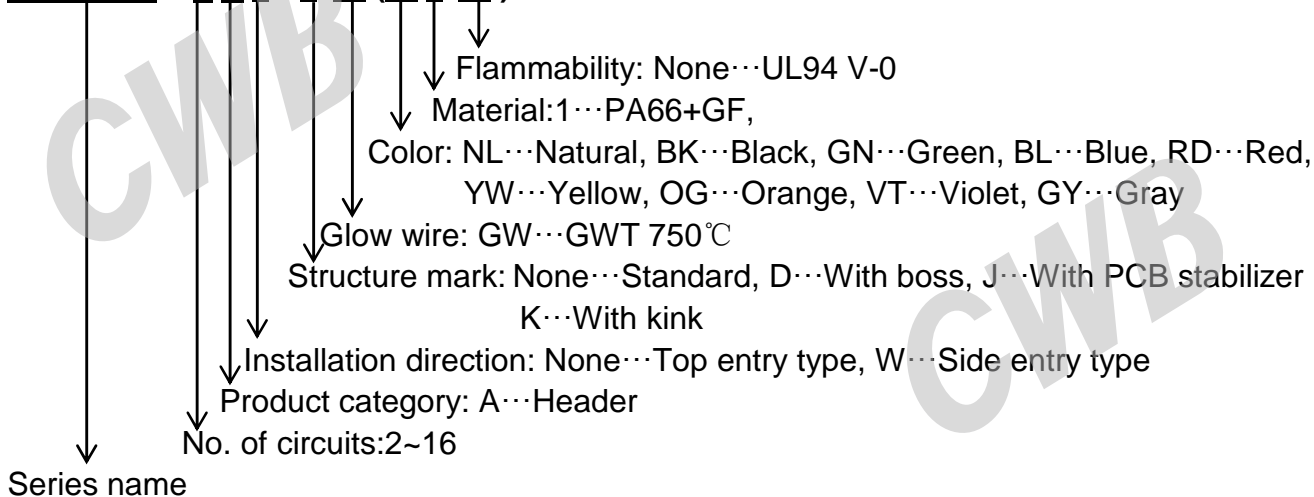


4. DIP Header

TJC20082-nADK **(**-*), TJC20082-nAK **(**-*)

TJC20082-nAWJDK **(**-*), TJC20082-nAWJK **(**-*)

TJC20082 - n A *...* ** (* * * - *)

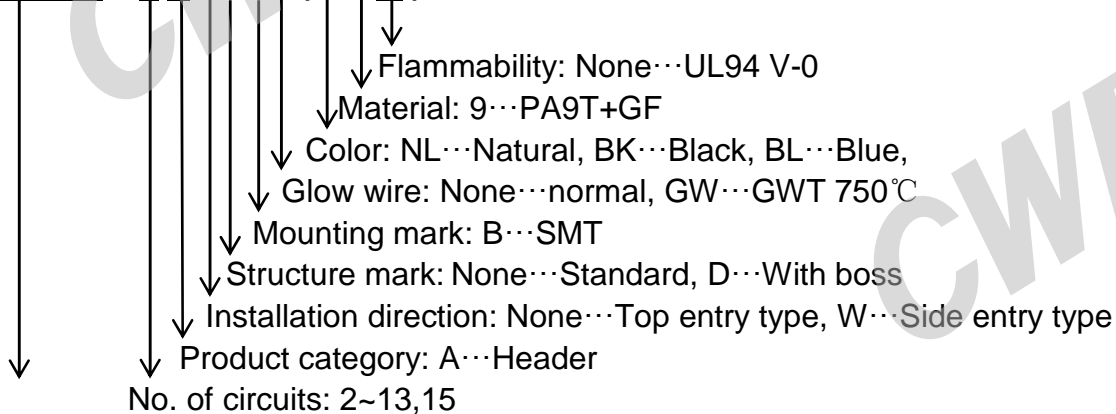


5. SMT Header

TJC20082-nAB(**-*),TJC20082-nABD(**-*);

TJC20082-nAWB(**-*),TJC20082-nAWBD(**-*)

TJC20082 - n A * * * * (* * * - *)



Series name