

标题: SM 系列连接器

Title: SM Connector

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	审核 Check: <u>吴吉 2022. 3. 12</u>	编号 <u>Document No.:</u> <u>PS4114</u>
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版本号 Version No.	更改前描述 Description before modification	更改后描述 Description after modification	更改人/日期 Reviser/Date
V0	/	首版发布 First release	王曲 2021/09/01 Qu.Wang 2021/09/01
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	张博 2022/03/11 Bo.Zhang 2022/03/11
V2	/	新增SM-AS-1型号 SM-AS-1 model added	胡杰斌2023/01/30 Jiebin.Hu 2023/01/30
V3	/	新增SM-2Y型号 SM-2Y model added	胡杰斌2023/02/06 Jiebin.Hu 2023/02/06
V4	/	CZ-SM-2增加1.0mm线径的导线 CZ-SM-2 Added 1.0mm wire diameter	徐秋秋2024/08/23 Qiuqiu.Xu 2024/08/23
V5	/	CH-SM 前后压线脚尺寸更改 Change the size of the front and rear pin of CH-SM	徐秋秋2024/09/29 Qiuqiu.Xu 2024/09/29
V6	/	CH-SM 前后压线脚尺寸恢复为 V4 版本状态；新增 CH-SM-3 型号 The size of the front and rear presser pins of CH-SM is restored to the original state.New CH-SM-3 model	徐秋秋2024/12/09 Qiuqiu.Xu 2024/12/09

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2.适用范围 Scope

本产品规格书适用于浙江合兴电子元件有限公司生产的 WTW 2.5 阴型 & 阳型电子连接器, 产品名称: SM 系列连接器。

This product specification covers the requirement for wire to wire 2.5mm pitch Receptacle & Plug connector, which are designed and manufactured by CWB Electronics(ZheJiang) Co.,LTD. P/N: SM Connector.

3.产品描述 Product description

SM 系列连接器产品为家电连接器产品, 产品部件组成如下:

The SM 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
插针 Pin contact	CZ-SM-**-*	SM-A	AWG#24~AWG#22
插针 Pin contact	CZ-SM-2-**-*	SM-A-2	AWG#28~AWG#26
插簧 Socket contact	CH-SM-**-*	SM-Y	AWG#24~AWG#22
插簧 Socket contact	CH-SM-2-**-*	SM-Y-2	AWG#28~AWG#26
插簧 Socket contact	CH-SM-3-**-*	/	AWG#24
针座 (含锁紧片保持结构) Receptacle housing (W/Retainer)	SM-nAR (**-*)	SM-nA	PA66 UL94 V-0 GWT750℃ PA66 UL94 V-0 PA66 UL94 V-2
孔座 (面板安装, 含锁紧片保持结构, 带外锁扣) Plug housing (Panel mount, W/Retainer, W/Lock)	SM-nYP (**-*)	SM-nY	PA66 UL94 V-0 GWT750℃ PA66 UL94 V-0 PA66 UL94 V-2
孔座 (含锁紧片保持结构, 带外锁扣) Plug housing (W/Retainer, W/Lock)	SM-2Y (**-*)	SM1-2Y	PA66 UL94 V-2
锁紧片 Retainer	SM-nAS (**-*)	SM-nAS	PA66 UL94 V-0 PA66 UL94 V-2
锁紧片 Retainer	SM-nYS (**-*)	SM-nYS	PA66 UL94 V-0 PA66 UL94 V-2
锁紧片 Retainer	SM-AS-1 (**-*)	SM-AS-1	PA66 UL94 V-0

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

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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 Electromrchanical 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 Solderabilith Tests for Component Leads, Terminations, Lugs, Terminals and Wires

产品符合 RoHS 标准。

The product should comply with RoHS.

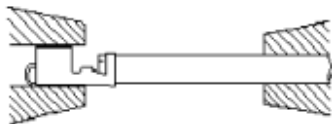
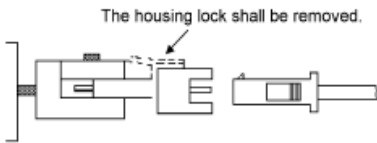
5.参数范围 Parameter ratings:

额定电流 [AC(有效值)/DC] Rated current [AC(rms)/DC]	AWG#28	AWG#26	AWG#24	AWG#22
	1A Max.	1.5A Max.	2A Max.	3A Max.
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)	-30 °C~+105 °C			
适用线型（具体适用线型请参考压接规格书） Applicable wires(Please refer to the crimping specification for details)	CH-SM&CZ-SM Wire size: AWG#24~AWG#22(0.2mm ±0.32 mm) Insulation diameter: φ 1.4mm- φ 1.6mm			
	CH-SM-2 Wire size: AWG#28~AWG#26(0.08mm ±0.13 mm) Insulation diameter: φ 1.2mm- φ 1.3mm			
	CH-SM-3 Wire size: AWG#24(0.2mm) Insulation diameter: φ 1.4mm			
	CZ-SM-2 Wire size: AWG#28~AWG#26(0.08mm ±0.13 mm) Insulation diameter: φ 1.0mm- φ 1.3mm			

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6. 产品性能 Performance

6.1 机械性能 Mechanical

序号 No.	项 目 Item	测试条件 Test condition	规 格 Requirement			
6.1.1	外观 Appearance	目测 Checking by eyes 视力: 1.0 以上 Eyesight: > 1.0 照明: (200~300) lx Lamp: (200~300) lx 目测距离: (0.3~0.5) m Space: (0.3~0.5) m GB/T 5095.2 Method 1a	1.塑料件表面应无明显疤痕、凹陷、开裂及影响使用的变形。 Plastic part: smooth and flat surface without discolor, broken, crack, and distortion, etc. 2 金属件表面无锈蚀、氧化 、无明显的机械损伤及电镀层脱落等缺陷。 Metal part: bright and even surface without rust, oxide, fog and obvious physical damage, etc.			
6.1.2	端子插入力与 固定力 Insertion force and retention force for contact	应测量将端子沿轴线方向插入孔座和拔出孔座的力, 测试速度不大于25 mm/min.。 The force of inserting and pulling the contact into and out of the housing along the axis shall be measured (Testing speed: <25 mm/min.) GB/T 5095.8 Method 15d / EIA-364-29B	插入力 (最大值) Insertion force (Max.)	固定力 (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.)	
			9.8N	19.6N	29.4N	
6.1.3	压着部位抗张强度 Crimp tensile strength	在已压接端子的头部和导线上施加拉力, 并测量将导线从端子拉出或导线断裂所需的力, 测试速度不大于 25 mm/min.。 Pulling load shall be applied to a correctly crimped contact and a wire. The load required to pull the wire out of the contact or break the wire shall be measured. (Testing speed: <25 mm/min.) GB/T5095.8 Method 16d / EIA-364-08B 	AWG#28: 10N Min. AWG#26: 20N Min. AWG#24: 30N Min. AWG#22: 40N Min.			
6.1.4	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装有已压接端子的针座做插入和拔出, 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 receptacle housing with crimped contacts 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  The housing lock shall be removed.	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	19.6N	1N	0.8N
			3	24.5N	1.5N	1N
			4	29.4N	2N	1.2N
			5	34.3N	2.5N	1.5N
			6	39.2N	2.9N	2N
			7	44.1N	3.4N	2.5N
			8	49N	3.9N	2.9N
			9	49N	4.4N	3.4N
			10	53.9N	4.9N	3.9N
			11	53.9N	5.4N	4.4N
			12	58.8N	5.9N	5.9N
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			13	63.7N	6.4N	6.4N
			14	68.6N	6.9N	6.9N
6.1.5	机械振动 Vibration	插合连接器, 串联在直流电源上, 电流100 mA; 并模拟正常工作状态: 振频为(10~55~10) Hz, 每个循环时间为1分钟, 振幅1.52 mm。沿XYZ三轴正反方向各循环2小时。 Mate connectors subjected them to following vibration conditions, for a period of 2 hours in each of 3 mutually perpendicular axes, 100 mA current shall be applied. Frequency: (10~55~10) Hz/min. Cycling time: 1min. Amplitude: 1.52 mm. GB/T 5095.4 Method 6d / EIA-364-28D	外观: 无损伤(参照6.1.1) Appearance: no damage.(refer to 6.1.1) 接触电阻: 20 mΩ Max. Contact resistance: 20 mΩ Max. 电流中断时间: 1 μsec Max. Current interruption: 1 μsec Max.			
6.1.6	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100 mA电流。 冲击强度: 490 m/s² 持续时间: 11 ms 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	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.			
6.1.7	机械寿命 Durability	以每分钟 10 次的速度插拔 30 次。 30 cycles for mating and unmating test at the speed of 10 cycles per minute GB/T 5095.5 Method 9a / EIA-364-09C	外观: 无损伤(参照6.1.1) Appearance: no damage.(refer to 6.1.1) 接触电阻: 20mΩ Max. Contact resistance: 20mΩ Max.			
6.1.8	锁扣强度 Lock strength	固定连接器和测力计, 在连接器轴线方向将配合后的连接器拔出, 速度不大于25 mm/min., 测量时连接器应无端子或端子不影响锁扣强度的测量结果。 Apply axial withdraw force on the connector which without contact or the contacts shall not affect lock strength at a rate less than 25 mm/min. GB/T 5095.8 Method 15f / EIA-364-29B	9.8 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。 Mate connectors with dry circuit to test contact resistance GB/T 5095.2 Method 2a / EIA-364-23B	10 mΩ Max. (Initial) 20 mΩ Max. (Final)
6.2.2	绝缘电阻 Insulation resistance	在相邻接触件之间或地线之间,用 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	1000 MΩ Min. (Initial) 500 MΩ Min. (Final)

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6.2.3	耐电压 Withstand voltage	相邻接触件之间或地线之间施加 1500 V AC (有效值),漏电流 1 mA 的电压作用,时间 1min。 Apply a voltage of 1500 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	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	$\Delta 30^{\circ}\text{C}$ Max.

6.3 环境性能 Environmental

序号 No.	项 目 Item	测试条件 Test condition	规 格 Requirement										
6.3.1	耐高温 Heat resistance	连接器配合后, 于 (105±2) °C 的空气中放置 250 小时, 再回到室温中放置 (1~2) 小时测定。 Mated connectors exposed to the condition of (105±2) °C 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: 20 mΩ Max. Contact resistance: 20 mΩ Max. 绝缘电阻: 500 MΩ Min. Insulation resistance:500 MΩ Min. 耐电压: 1500 V Min. Withstand voltage: 1500 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 96 小时, 再回到室温中放置 (1~2) 小时测定。 Mated connectors exposed to the condition of (-40±2) °C for 96hours, recovery time (1~2) hours GB/T 5095.6 Method 11j / EIA-364-17B	外观: 无损伤 (参照6.1.1) Appearance: no damage.(refer to 6.1.1) 接触电阻: 20 mΩ Max. Contact resistance: 20 mΩ Max. 绝缘电阻: 500 MΩ Min. Insulation resistance:500 MΩ Min. 耐电压: 1500 V Min. Withstand voltage: 1500 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: 1500 V Min. Withstand voltage: 1500 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><tr><td>Temperature °C</td><td>Duration</td></tr><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></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: 1500 V Min. Withstand voltage: 1500 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.												

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6.3.5	盐雾 Salt spray	把试验样品从试验箱顶悬挂下来, 采用浓度为(5±1)%(质量百分比)的氯化钠溶液, 在(35±2)℃温度下连续雾化 48 小时, 试验后用流动的蒸馏水轻轻洗去表面沉积物。在常温常湿条件下恢复 (1~2) 小时。 48 hours spray, at temp (35±2) °C, NaCl mist concentration (5±1) %. After test wash parts and put it into room ambient for (1~2) hours GB/T 5095.6 Method 11f / EIA-364-26B	外观: 无损伤(五金件应无露出底金属的严重锈蚀; 使用预镀好的型材, 其落料面允许有不影响其性能的轻微腐蚀。) Appearance: no damage (no erosion on material exposed, and plating material, slight erosion on the cutting surface is acceptable) 接触电阻: 20 mΩ Max. Contact resistance: 20 mΩ Max.
6.3.6	硫化氢气体 测试 (H ₂ S gas test)	连接器配合后, 在温度 (40±3)℃、湿度 75±5 %、H₂S 气体浓度为 3±1ppm 的环境中放置 96 小时。 Mated connectors exposed to the condition of temperature (40±3) °C, humidity 75±5 %, H₂S gas concentration of 3±1ppm for 96 hours	接触电阻: 20 mΩ Max. Contact resistance: 20 mΩ Max.

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7.测试分组 Test sequences (Samples:5PCS)

测试组 Group number	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
外观 Appearance	1	1	1	1	1,5	1,3	1,5	1	1	1,3	1	1,7	1,7	1,7	1,7	1,5	1,5
端子插入力与固定力 Insertion force and retention force for contact	2																
成品插入力与拔出力（去锁扣） Insertion force and withdrawal force(without lock)		2															
锁扣强度 Lock strength			2														
压着部位抗张强度 Crimp tensile strength				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									2			5	5	5	5		
耐电压 Withstand voltage										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	
硫化氢气体测试 (H ₂ S gas test)																	3

产品名称
Product name

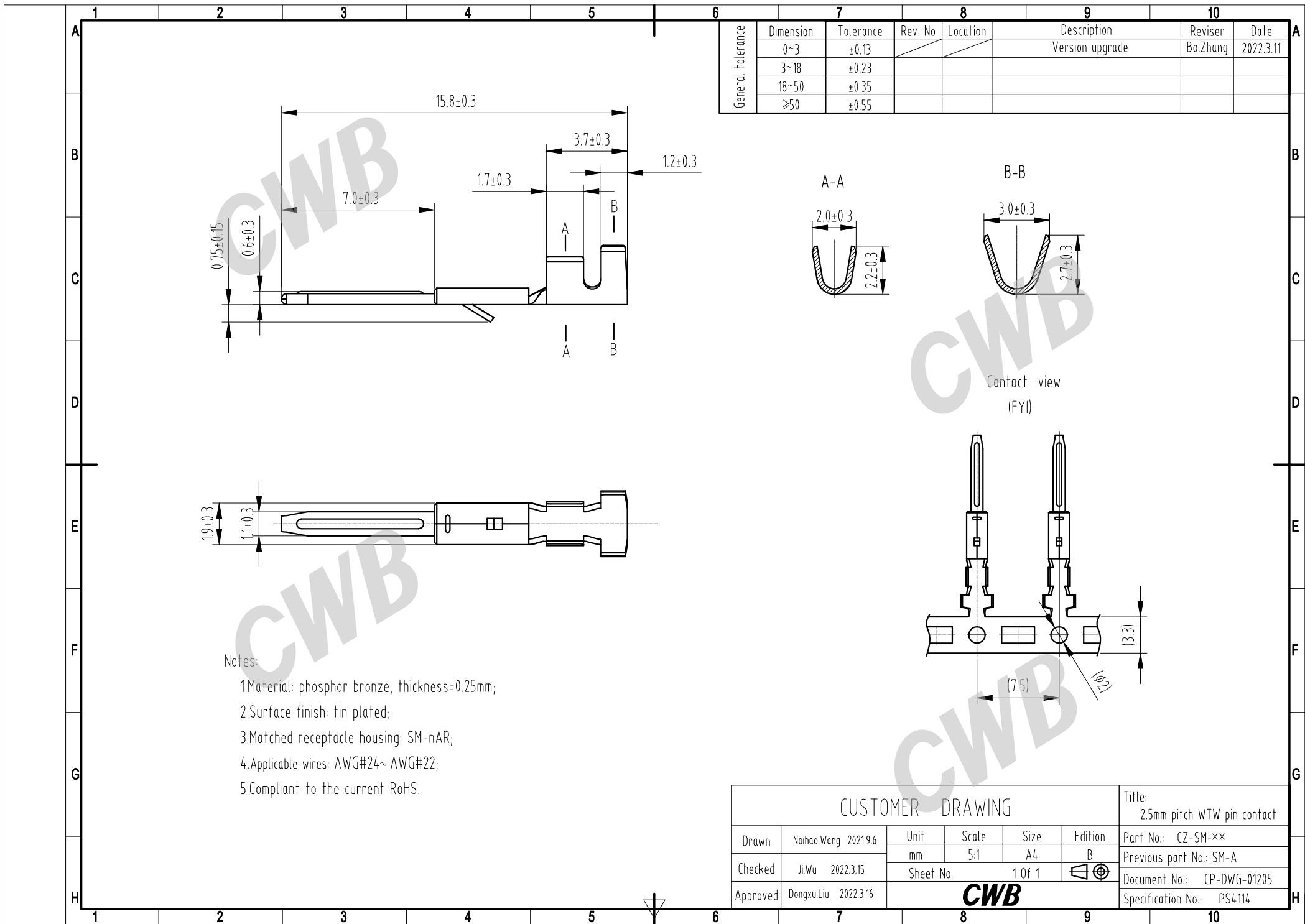
SM 系列连接器

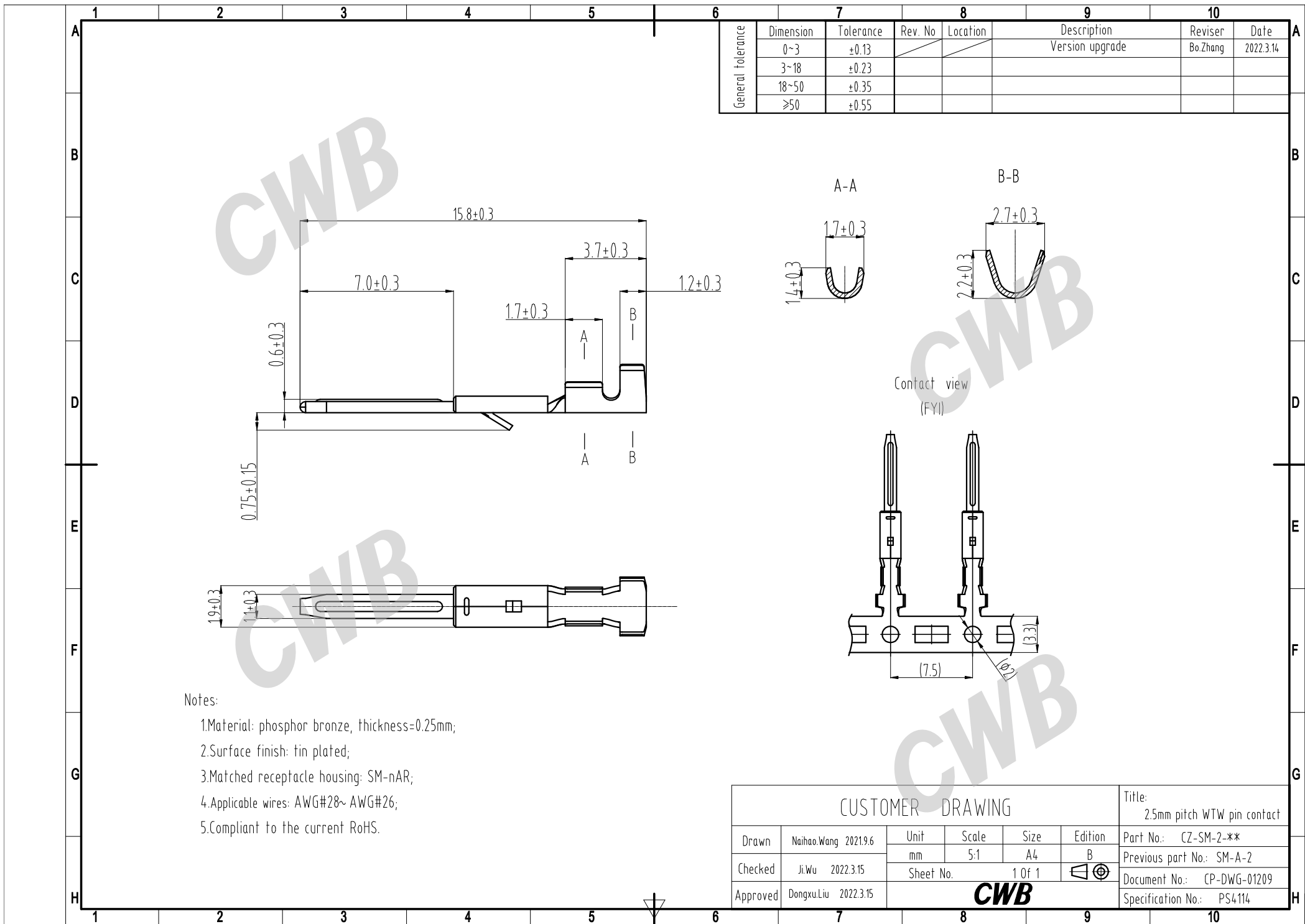
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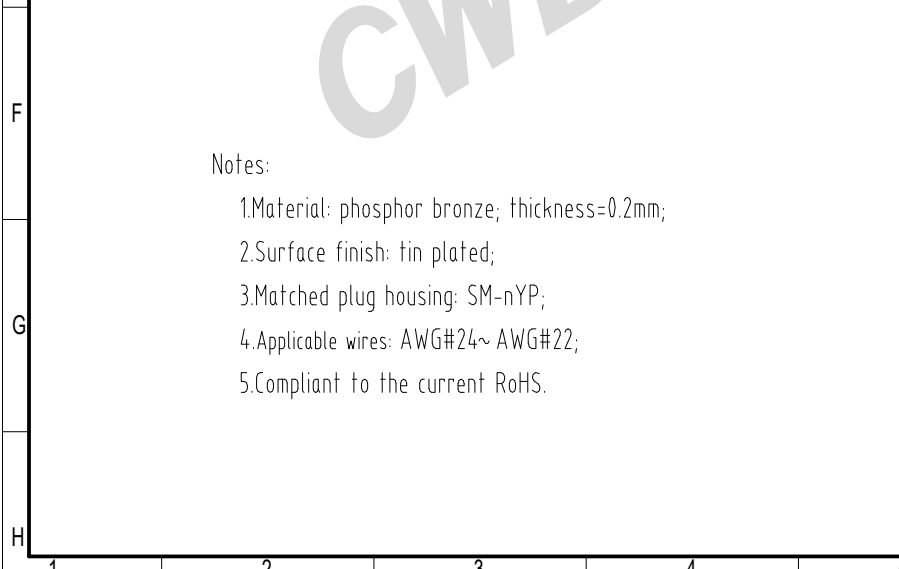
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V6

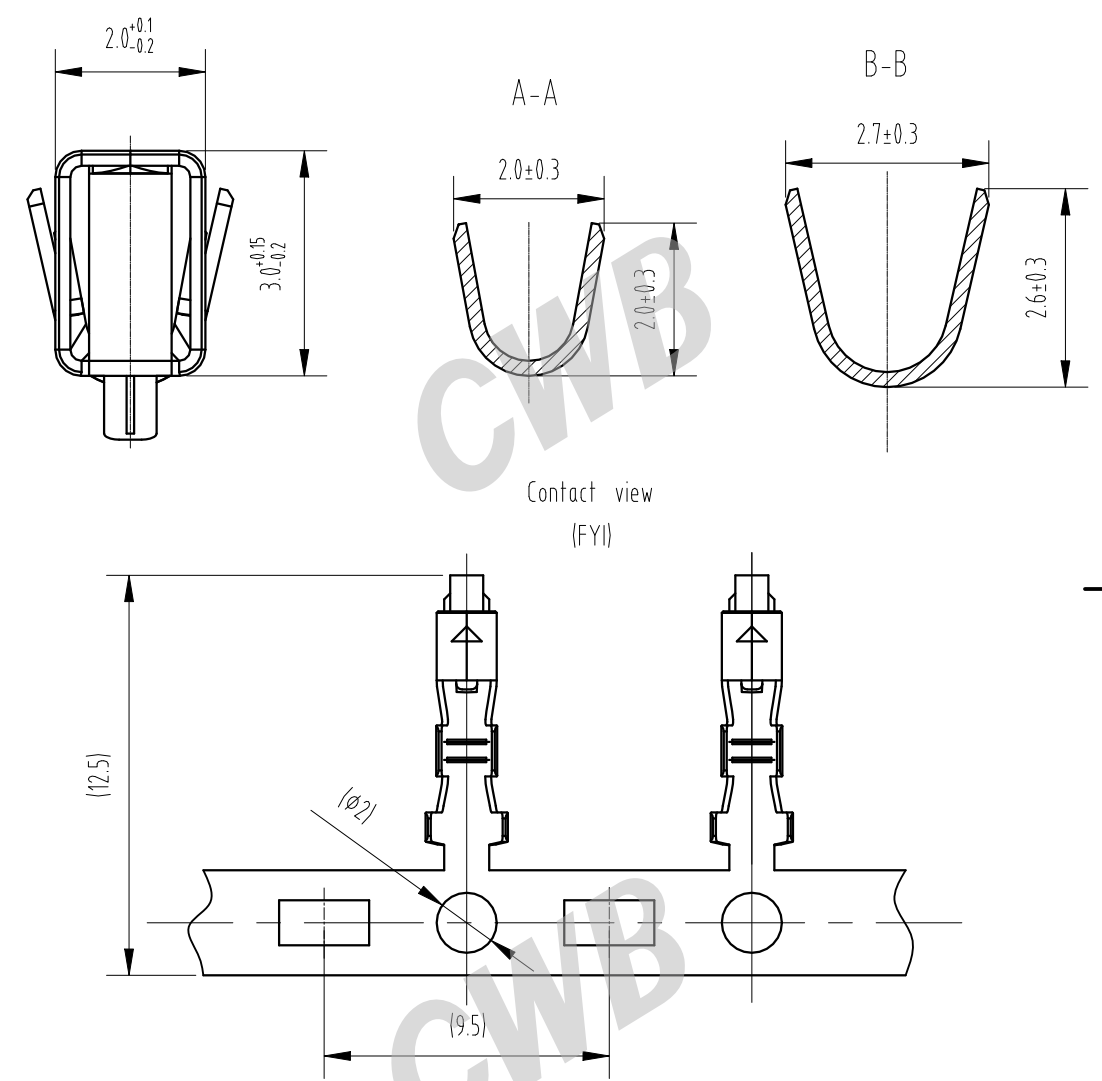




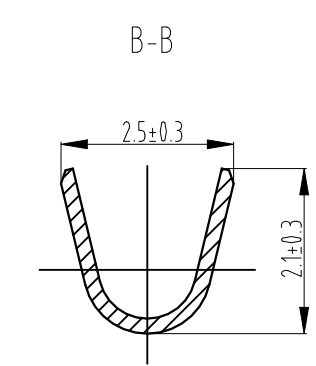
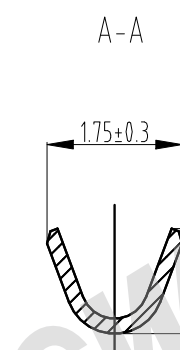
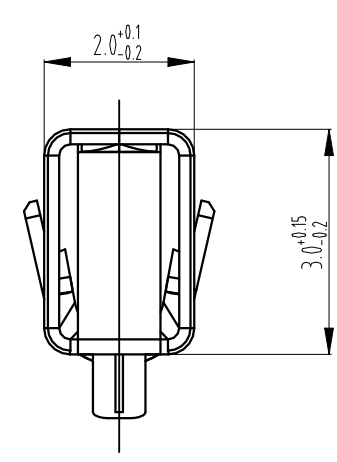
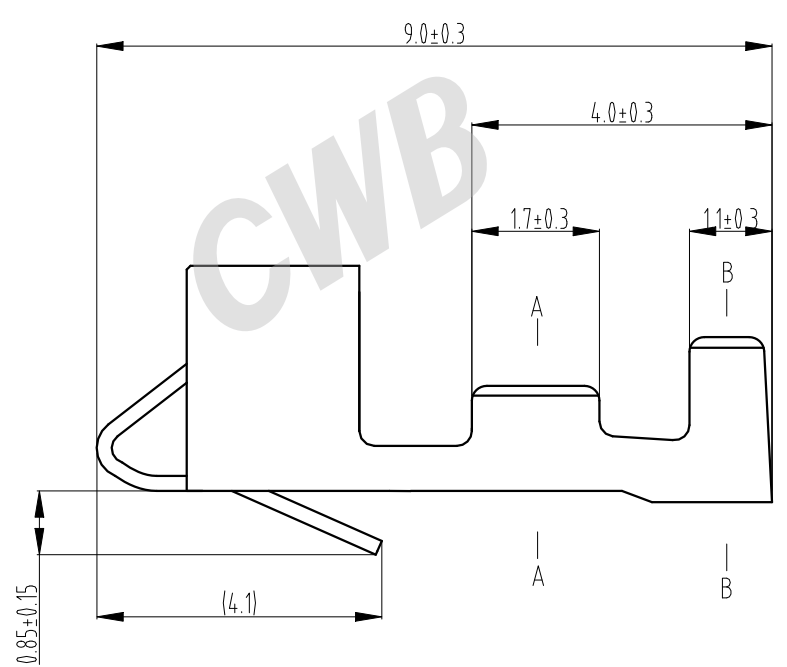
Technical drawing of a 2.5mm pitch WTW socket contact. The drawing includes a side view, two cross-sections (A-A and B-B), a contact view (FYI), and a top view. Dimensions are provided for various parts: side view (0.1 to 0.2, 3.0 to 0.15), cross-section A-A (2.0 to 0.3, 2.0 to 0.3), cross-section B-B (2.7 to 0.3, 2.6 to 0.3), contact view (FYI), and top view (10.2, 9.5).



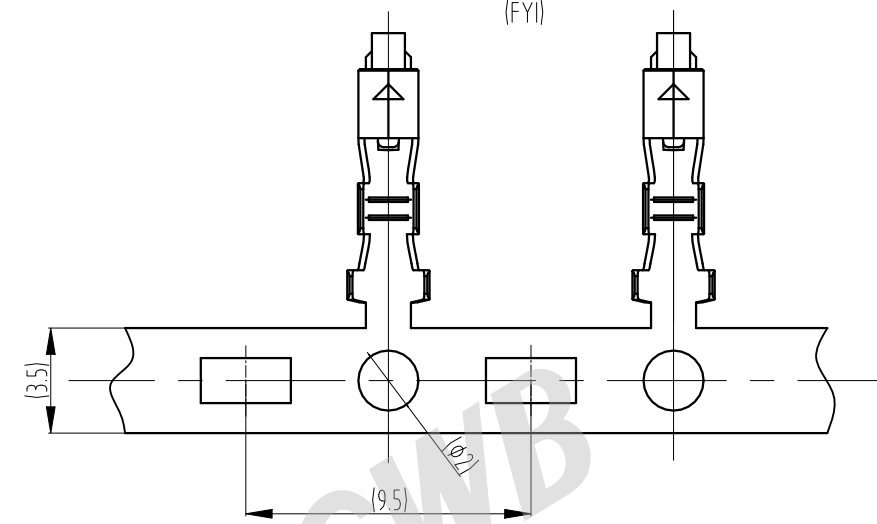
- 1.Material: phosphor bronze; thickness=0.2mm;
- 2.Surface finish: tin plated;
- 3.Matched plug housing: SM-nYP;
- 4.Applicable wires: AWG#24~AWG#22;
- 5.Compliant to the current RoHS.



General tolerance	Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
	0~3	±0.13			Version upgrade	Bo.Zhang	2022.3.14
	3~18	±0.23					
	18~50	±0.35					
	≥50	±0.55					

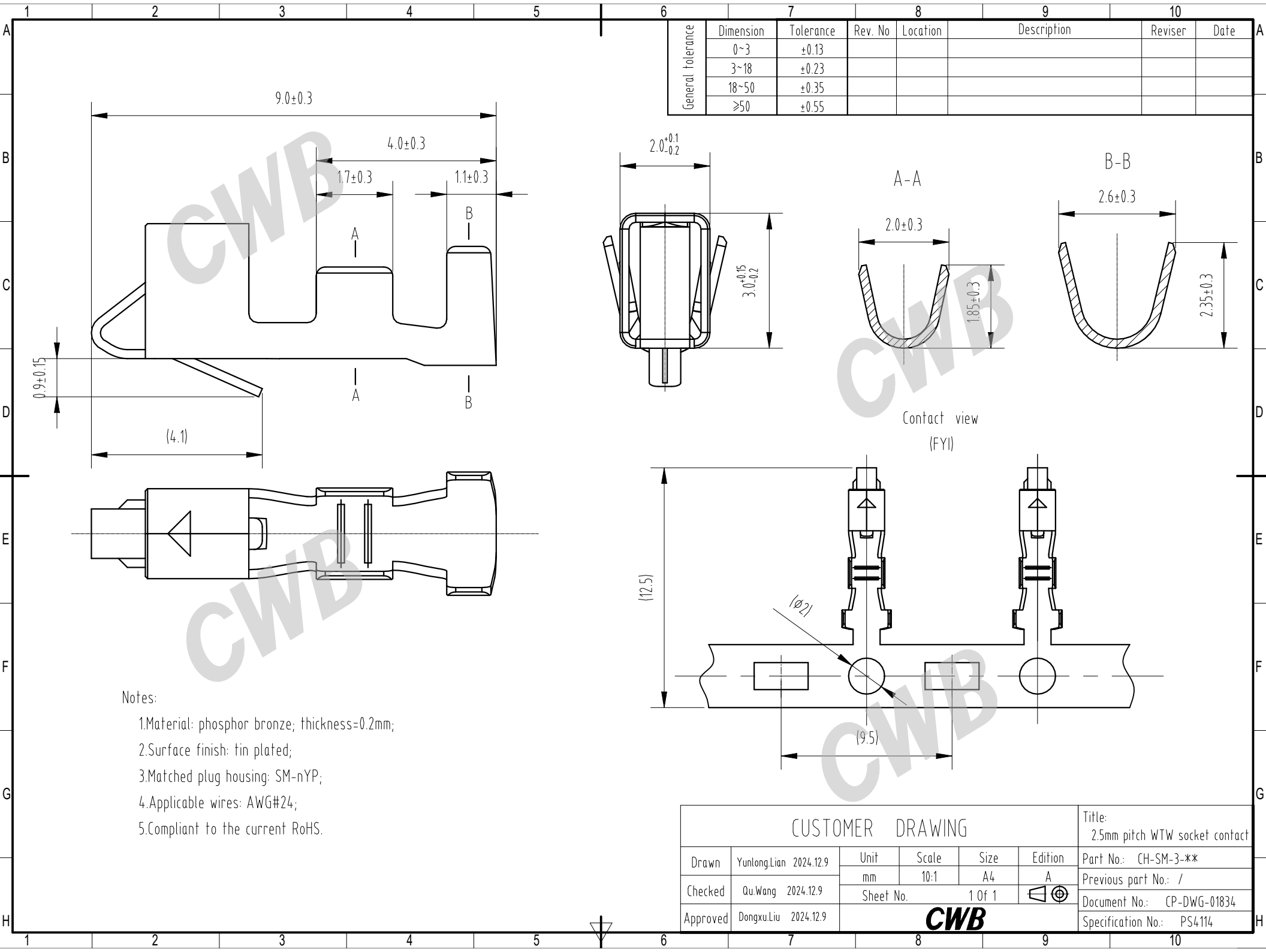


Contact view
(FYI)

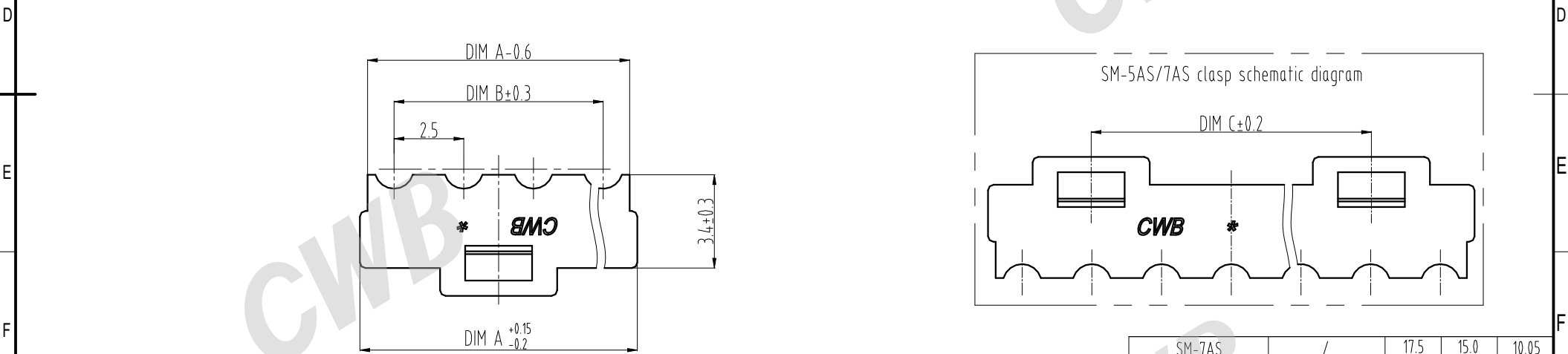
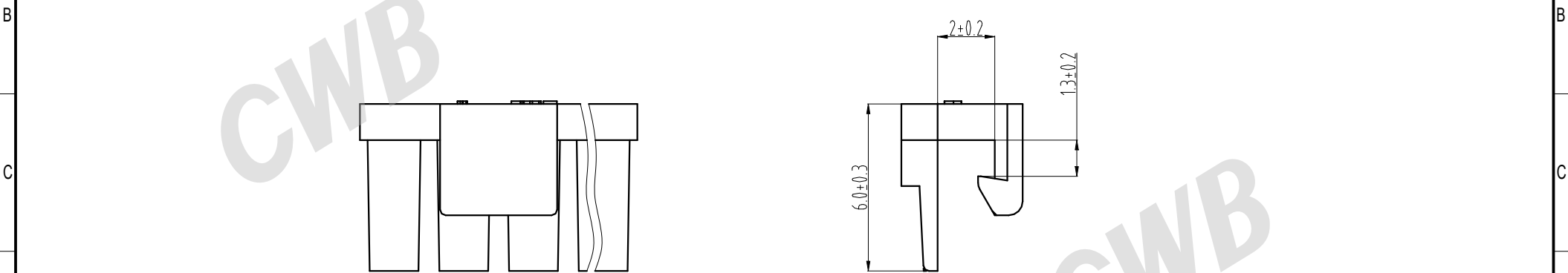


- Notes:
- 1.Material: phosphor bronze, thickness=0.2mm;
 - 2.Surface finish: tin plated;
 - 3.Matched receptacle housing: SM-nYP;
 - 4.Applicable wires: AWG28~AWG26
 - 5.Compliant to the current RoHS.

CUSTOMER DRAWING						Title: 2.5mm pitch WTW socket contact	
Drawn	Naihao.Wang 2021.9.6	Unit	Scale	Size	Edition	Part No.: CH-SM-2-**	
		mm	10:1	A4	B	Previous part No.: SM-Y-2	
Checked	Ji.Wu 2022.3.15	Sheet No.		1 Of 1			Document No.: CP-DWG-01210
Approved	Dongxu.Liu 2022.3.15	CWB					Specification No.: PS4114



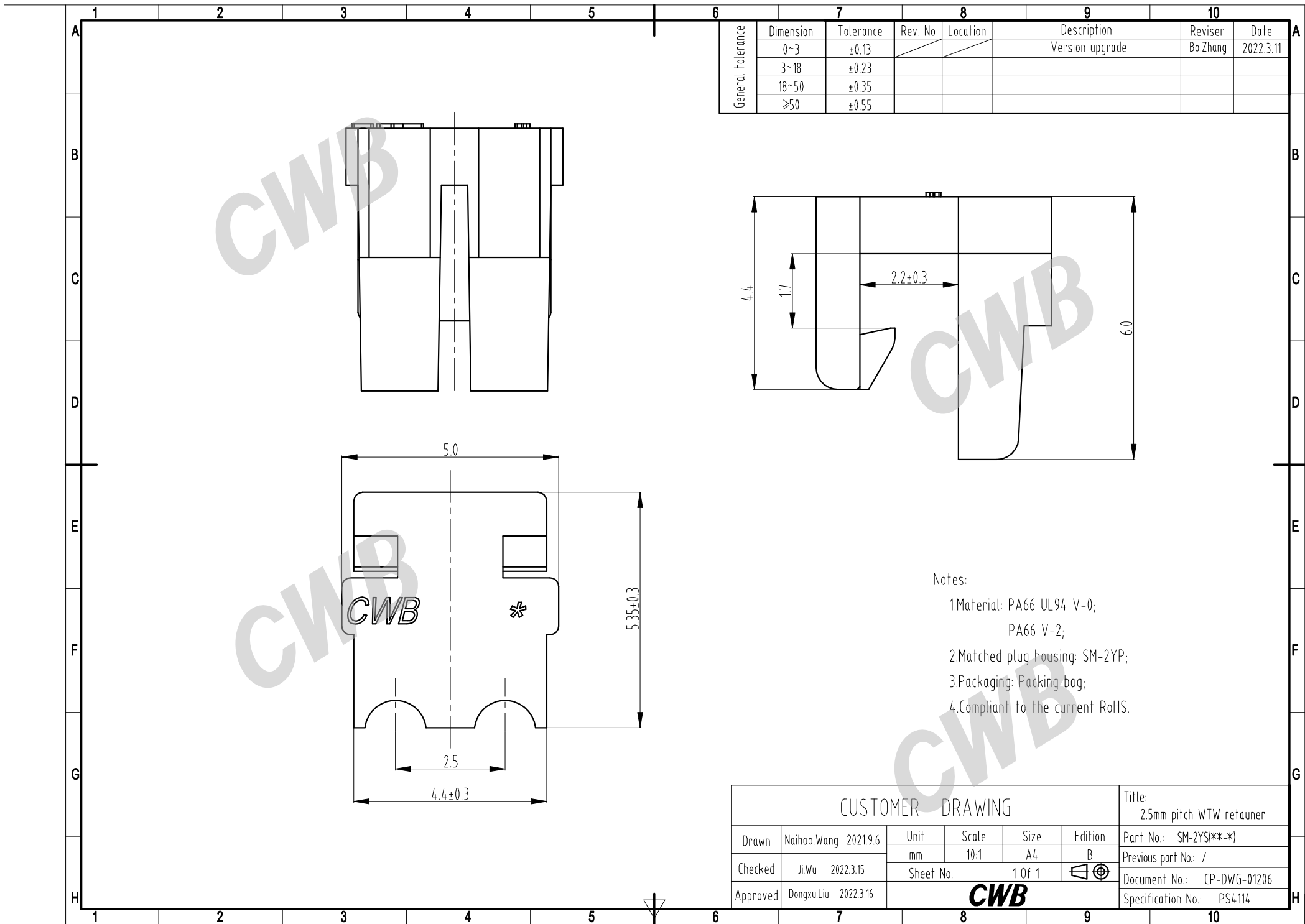
General tolerance	Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
	0~3	±0.13					
	3~18	±0.23					
	18~50	±0.35					
	≥50	±0.55					

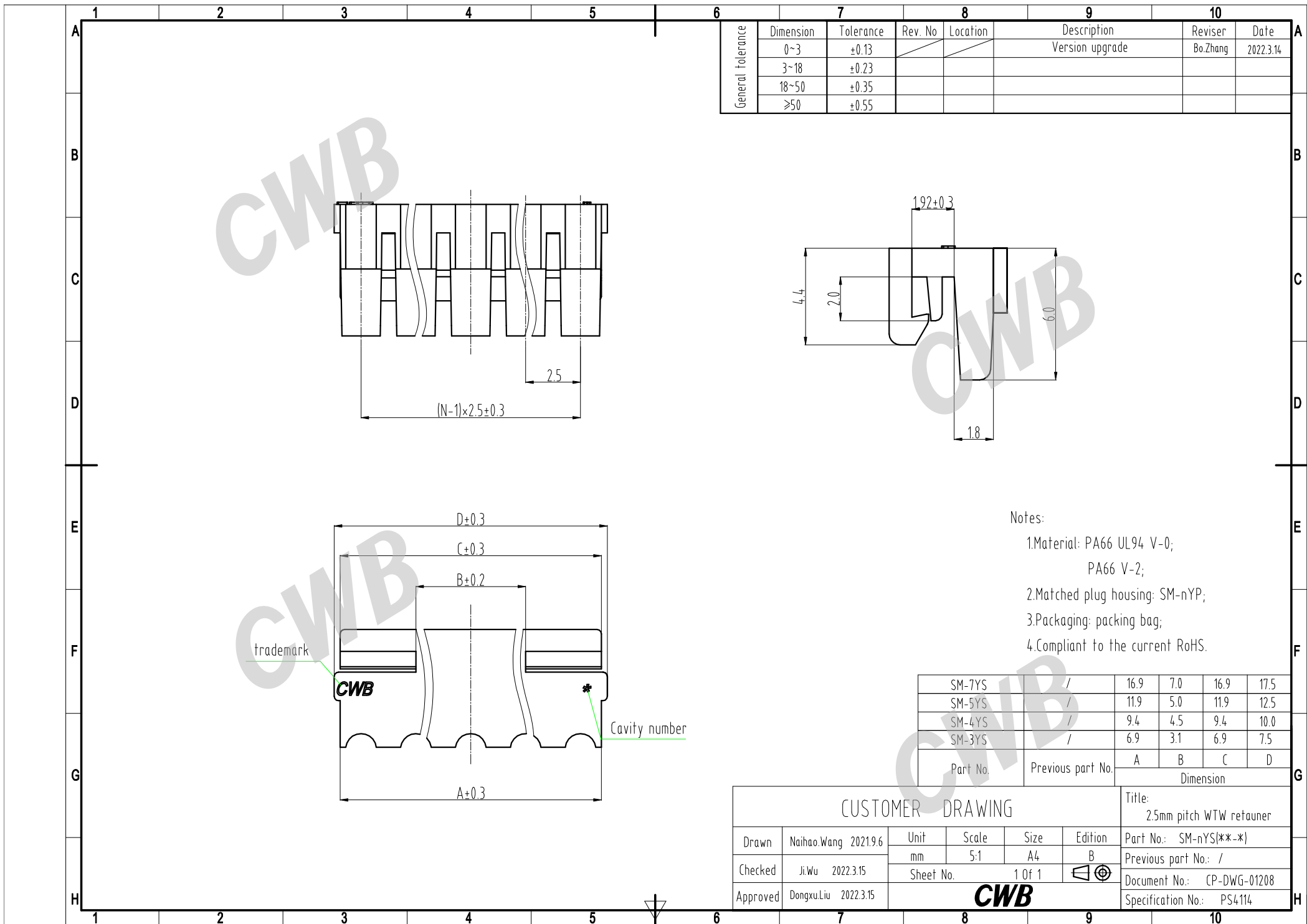


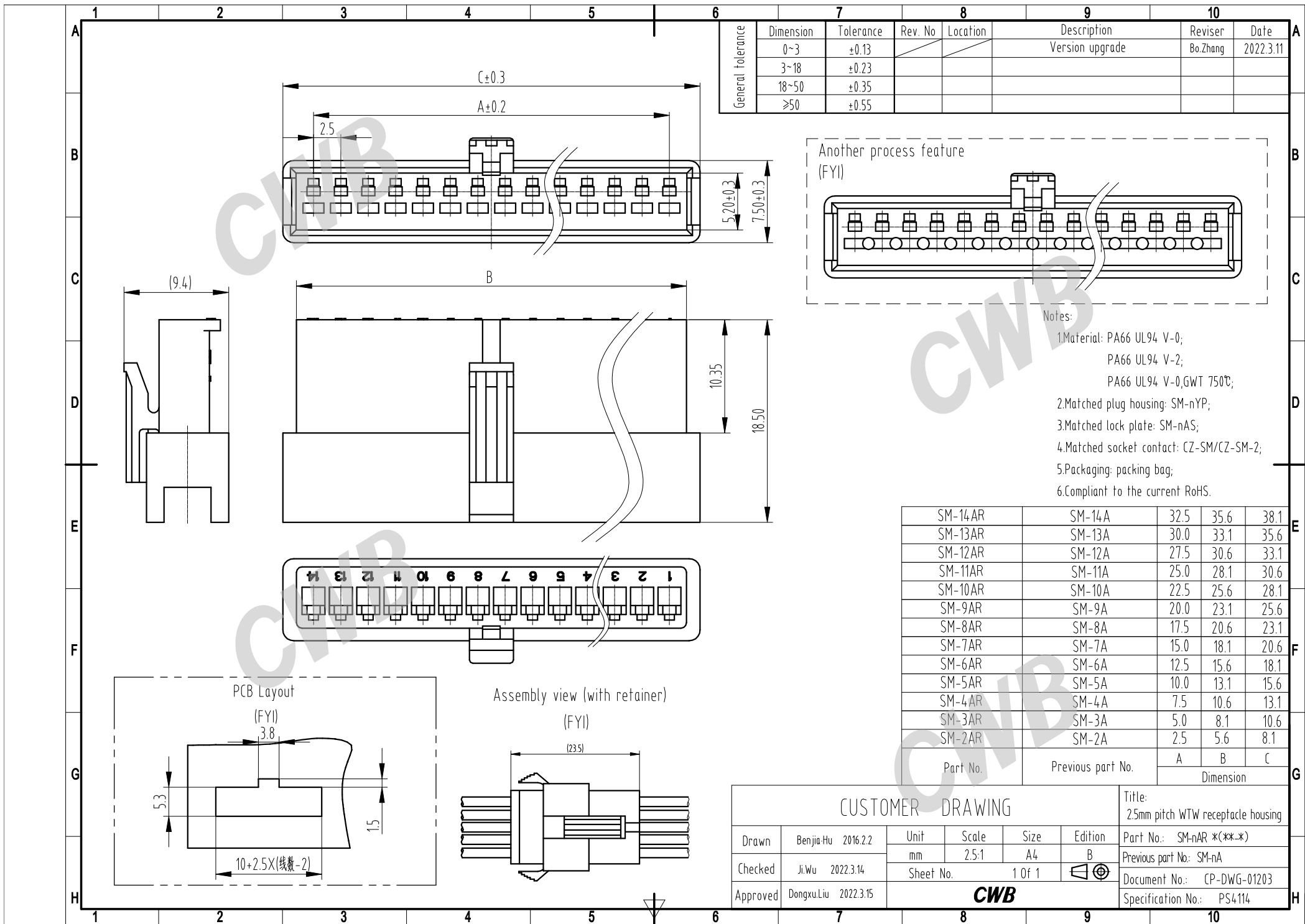
Notes:

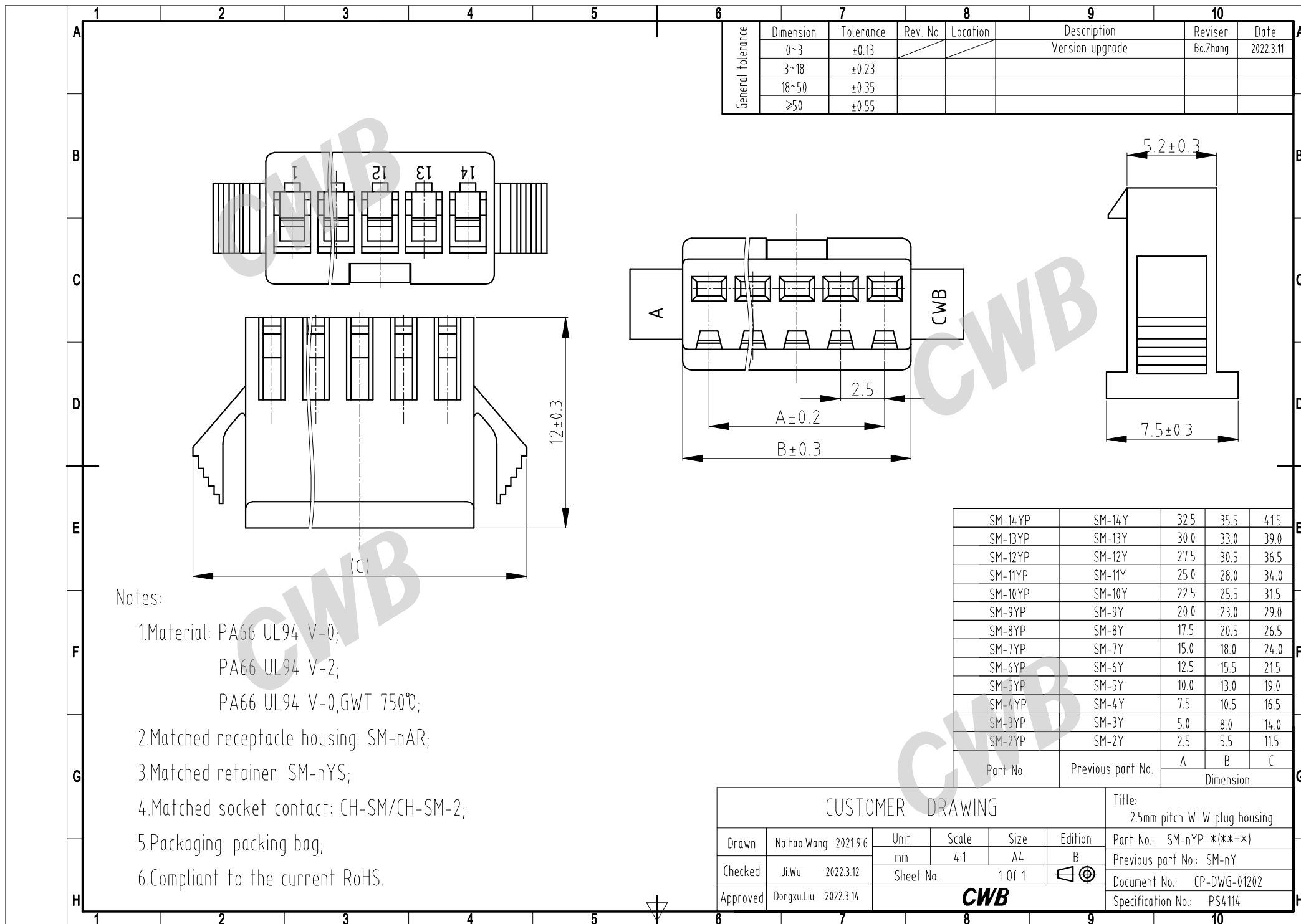
- 1.Material: PA66 UL94 V-0;
PA66 V-2;
- 2.Matched receptacle housing: SM-nAR;
- 3.Packaging: packing bag;
- 4.Compliant to the current RoHS.

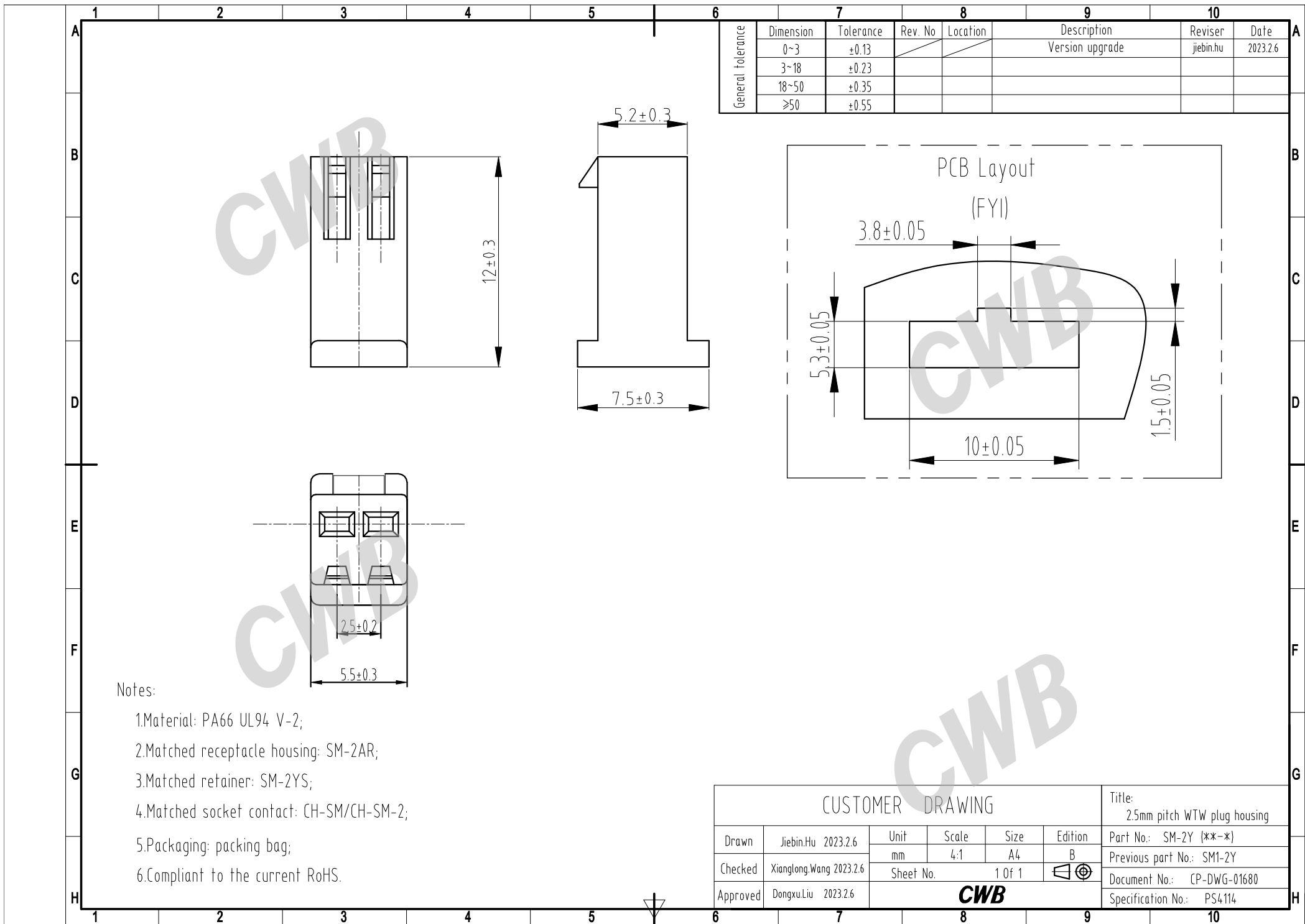
		SM-7AS		/	17.5	15.0	10.05
		SM-5AS		/	12.5	10.0	/
		SM-4AS		/	10.0	7.5	/
		SM-3AS		/	7.5	5.0	/
		SM-2AS		/	5.0	2.5	/
		Part No.		Previous part No.	A	B	C
				Dimension			
CUSTOMER DRAWING					Title: 2.5mm pitch WTW retainer		
Drawn	Naihao.Wang 2021.9.6	Unit	Scale	Size	Edition	Part No.: SM-nAS(**-*)	
Checked	Ji.Wu 2022.3.15	mm	5:1	A4	B	Previous part No.: /	
		Sheet No.		1 Of 1		Document No.: CP-DWG-01207	
Approved	Dongxu.Liu 2022.3.15	CWB				Specification No.: PS4114	

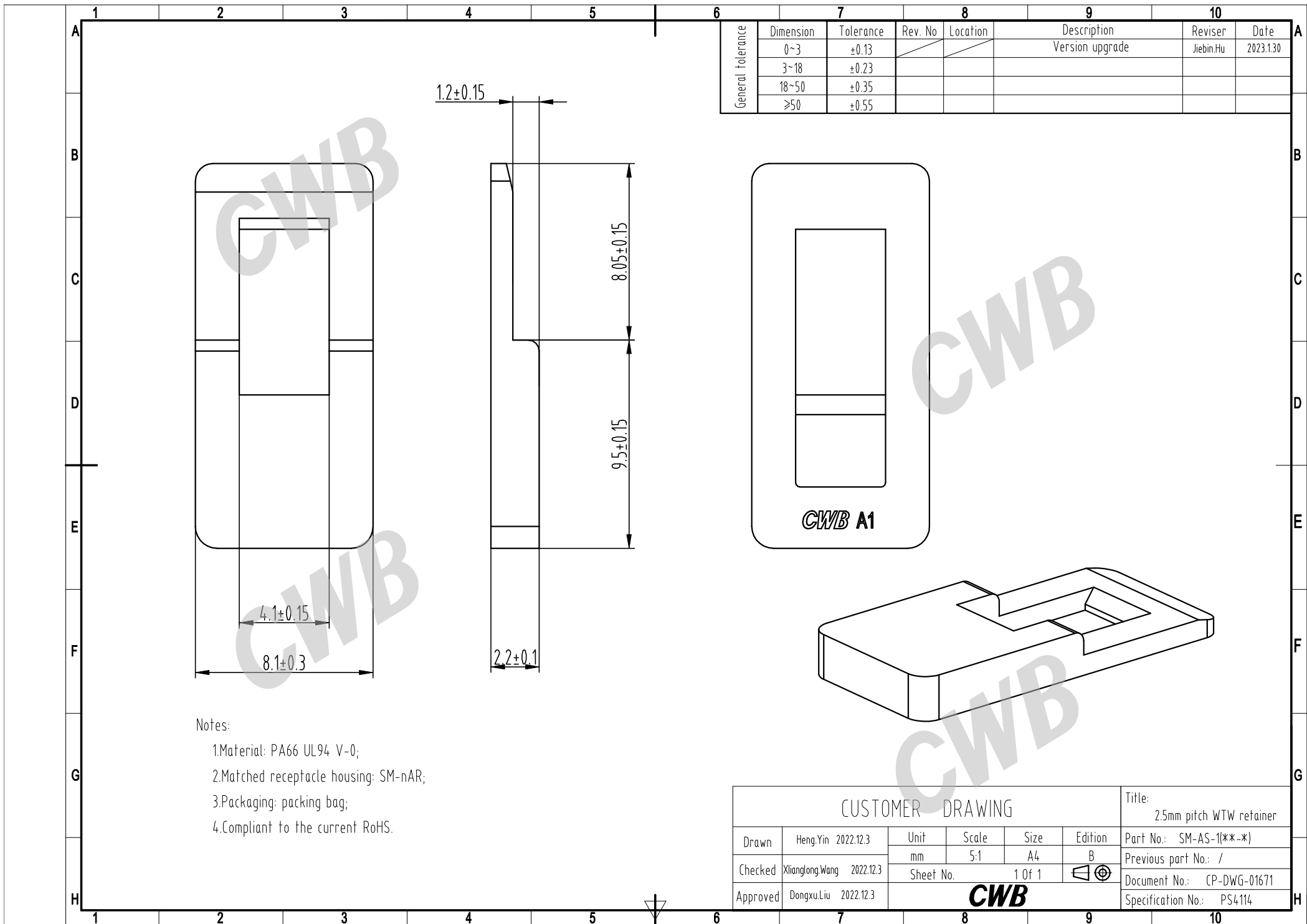


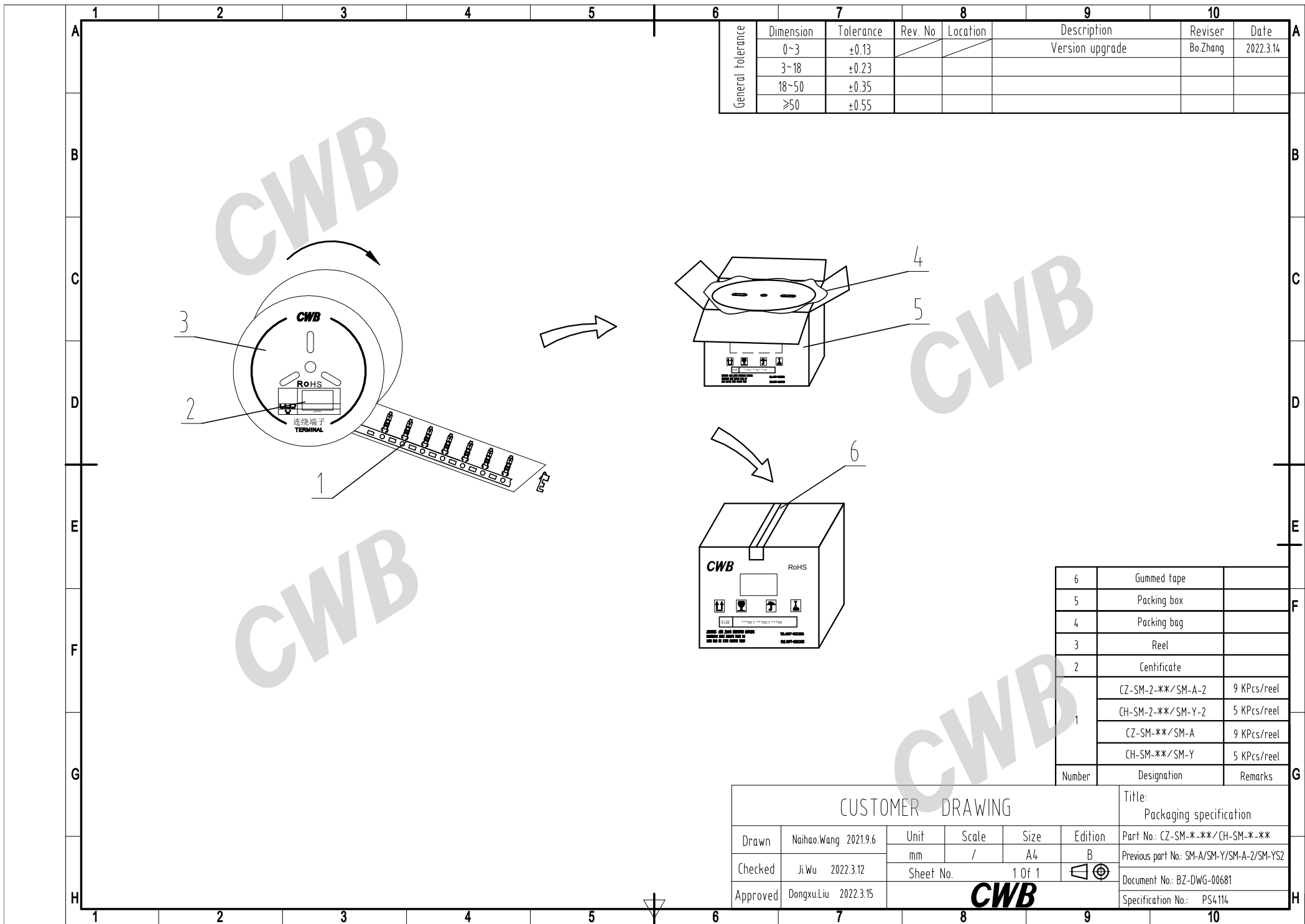


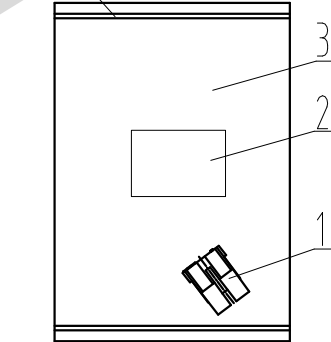
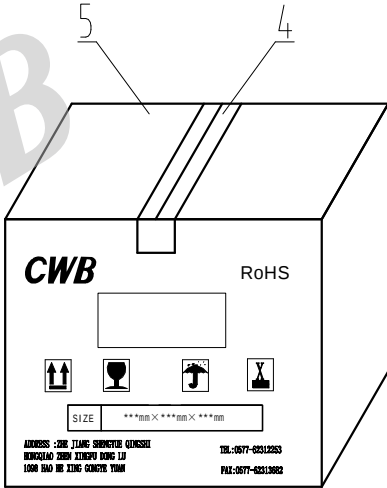










	1	2	3	4	5	6	7	8	9	10			
A	Packing bag  Packing box 					General Tolerance	Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
B							0~3	±0.13			Version upgrade	Bo.Zhang	2022.3.14
C							3~18	±0.23			Version upgrade	Jiebin.Hu	2023.1.30
D							18~50	±0.35					
E							≥50	±0.55					
F						6	Packing box	SM-AS-1	/	1000			
G						5	Gummed tape	SM-7AS	/	1000			
H						3	Packing bag	SM-5AS	/	1000			
						2	Certificate	SM-4AS	/	1000			
						1	SM-nAS series retainer	SM-3AS	/	1000			
							SM-nYS series retainer	SM-2AS	/	1000			
						Number	Designation	SM-7YS	/	1000			
								SM-5YS	/	1000			
								SM-4YS	/	1000			
								SM-3YS	/	1000			
								SM-2YS	/	1000			
						CUSTOMER DRAWING			Title: Packaging specification				
						Drawn	Naihao.Wang 2021.9.6	Unit	Scale	Size	Edition	Part No: SM-nYS***-X/SM-nAS***-X/SM-AS-1***-X	
						Checked	Ji.Wu 2022.3.12	mm	/	A4	B3	Previous part No: /	
						Approved	Dongxu.Liu 2022.3.15	Sheet No.	1 Of 1			Document No.: BZ-DWG-00683	
											Specification No.: PS4114		

	1	2	3	4	5	6	7	8	9	10				
A						General Tolerance	Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date	A
							0~3	±0.13			Version upgrade	Bo.Zhang	2022.3.11	
B							3~18	±0.23			Version upgrade	Jiebin.Hu	2023.2.6	
C							18~50	±0.35						
D							≥50	±0.55						
E														
F														
G														
H														

Packing bag

Sealed

3

2

1

Packing box

5

4

CWB

RoHS

SIZE **mm×**mm×**mm

ADDRESS : 2008 JIANG SHIMINER QINSHI

WONGSAP 2008 KONGPU WONG LI

1000 HAO HE XING GONGYE YUAN

Tel.:0677-6211253

Fax:0677-6211382

5	Packing box
4	Gummed tape
3	Packing bag
2	Certificate
1	SM series housing
Number	Designation

SM-2Y	SM1-2Y	500	SM-14YP	SM-14Y	500	SM-14AR	SM-14A	300
SM-13YP	SM-13Y	500	SM-13AR	SM-13A	300	SM-12YP	SM-12Y	500
SM-12YP	SM-12Y	500	SM-12AR	SM-12A	500	SM-11YP	SM-11Y	500
SM-11YP	SM-11Y	500	SM-11AR	SM-11A	500	SM-10YP	SM-10Y	1000
SM-10YP	SM-10Y	1000	SM-10AR	SM-10A	500	SM-9YP	SM-9Y	1000
SM-9YP	SM-9Y	1000	SM-9AR	SM-9A	500	SM-8YP	SM-8Y	1000
SM-8YP	SM-8Y	1000	SM-8AR	SM-8A	500	SM-7YP	SM-7Y	1000
SM-7YP	SM-7Y	1000	SM-7AR	SM-7A	500	SM-6YP	SM-6Y	1000
SM-6YP	SM-6Y	1000	SM-6AR	SM-6A	500	SM-5YP	SM-5Y	1000
SM-5YP	SM-5Y	1000	SM-5AR	SM-5A	1000	SM-4YP	SM-4Y	1000
SM-4YP	SM-4Y	1000	SM-4AR	SM-4A	1000	SM-3YP	SM-3Y	1000
SM-3YP	SM-3Y	1000	SM-3AR	SM-3A	1000	SM-2YP	SM-2Y	1000
SM-2YP	SM-2Y	1000	SM-2AR	SM-2A	1000	Part No.	Previous part No.	Pcs/bag
Part No.	Previous part No.	Pcs/bag	Part No.	Previous part No.	Pcs/bag	Part No.	Previous part No.	Pcs/bag

CUSTOMER DRAWING

Drawn

Naihao.Wang 2021.9.6

Unit

mm

Scale

/

Size

A4

Edition

B

Checked

Ji.Wu 2022.3.12

Sheet No.

1 Of 1

Approved

Dongxu.Liu 2022.3.15

CWB

Title:

Packaging specification

Part No.: SM-nY* *(**..*)/SM-nAR *(**..*)

Previous part No.: SM1-2Y/SM-nY/SM-nA

Document No.: BZ-DWG-00679

Specification No.: PS4114

SM 系列命名规则

SM series naming conventions

1. Contact

CH-SM-**, CZ-SM-**, CZ-SM-2-**, CH-SM-2-**, CH-SM-3-**

CH - SM - * - * *



Plating type: none...Bright tin

Manufacture sequence: none...standards, plating before stamping

C...stamping before plating

Barrel mark: none...AWG#22~AWG#24

2...AWG#26~AWG#28

3...AWG#24

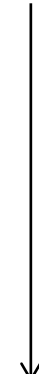
Series name

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

2. Housing

SM-nYP * (**-*) SM-2Y (**-*)

SM - n Y * * (** - *)



Flammability: None...UL94 V-0, -2...V-2

Material: None...PA66

Color: WT...White, BK...Black, GN...Green, BL...Blue, RD...Red, YW...Yellow,

GY...Gray, NL...Natural, BN...Brown

Glow wire: None...Standards, GW...GWT 750°C

None...Standards, P...Panel mount

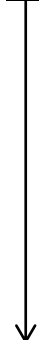
Product category: Y...Plug housing

No. of circuits: 2~14

Series name

SM-nAR * (**-*)

SM - n AR * (** - *)



Flammability: None...UL94 V-0, -2...V-2

Material: None...PA66

Color: WT...White, BK...Black, BL...Blue, RD...Red, YW...Yellow, GY...Gray,

BN...Brown

Glow wire: None...Standards, GW...GWT 750°C

Product category: AR...Receptacle housing

No. of circuits: 2~14

Series name

3. Retainer

SM-nYS (**-*) SM-nAS (**-*) SM-AS-1 (**-*)

SM - n Y S - * (* * - *)

