



产品规格书

PRODUCT SPECIFICATION

标题: VH 系列连接器

Title: VH Connector

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1. 更改履历 Change record

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	<u>审核 Check:</u> <u>王 曲 2025.3.11</u>	<u>编号 Document No.:</u> <u>PS4101</u>
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CWB 产品规格书 PRODUCT SPECIFICATION					
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 路欢 2021/08/26 Huan.Lu 2021/08/26	
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 尹恒 2022/03/24 Heng.Yin 2022/03/24	
V2		/		版本升级，新增 CH-VH-1 Version upgrade and added CH-VH-1 尹恒 2022/04/21 Heng.Yin 2022/04/21	
V3		/		压接适用导线名称更新、版本升级 Crimp applicable wire name update, version upgrade 尹恒 2022/11/12 Heng.Yin 2022/11/12	
V4		/		产品适用温度更新 Product applicable temperature update 尹恒 2023/01/11 Heng.Yin 2023/01/11	
V5		/		插簧增加尺寸描述 Insert spring to add dimension description 胡云峰 2023/05/26 Yunfeng.Hu 2023/05/26	
V6		/		CH-VH-3 端子适用线型新增双线 CH-VH-3 terminal is suitable for adding two new lines 徐秋秋 2024/04/09 Qiuqiu.Xu 2024/04/09	
V7		/		修改 VH 系列日本客户和其他客户包规区分和数量 Modified VH series package specification and quantity for Japanese customers and other customers 吴纪高 2024/04/22 Jigao.Wu 2024/04/22	
V8		/		新增 VH-11AD6Z(2.4.6.8.10), VHB-9Y/9YS 型号 Added VH-11AD6Z(2.4.6.8.10), VHB-9Y/9YS models 徐秋秋 2024/07/16 Qiuqiu.Xu 2024/07/16	
V9		/		命名规则更新 Naming convention update 徐秋秋 2024/09/09 Qiuqiu.Xu 2024/09/09	
V10		/		VH-nAW-X 增加材料 VH-nAW-X added material 徐秋秋 2024/10/08 Qiuqiu.Xu 2024/10/08	
V11		/		新增 VHC-nYS Added VHC-nYS 吴纪高 2024/12/06 Jigao.Wu 2024/12/06	
V12		/		新增 VHB-2/4/8ADG,VHB-8Y/VHB/8YS Added VHB-2/4/8ADG,VHB-8Y/VHB/8YS 吴纪高 2025/02/17 Jigao.Wu 2025/02/17	
V13		/		新增 VH-11AD-X Added VH-11AD-X 吴纪高 2025/03/08 Jigao.Wu 2025/03/08	
V14		/		新增 VHB-5YS3P(2.4) Added VHB-5YS3P(2.4) 胡杰斌 2025/03/11 Jiebin.Hu2025/03/11	
V15		/		增加 9A Max(3pin) Added 9A Max(3pin) 吴纪高 2025/07/11 Jigao.Wu 2025/07/11	
V16		/		新增 CH-VHC,VHC-5Y,VHD-5YS 型号 Add CH-VHC,VHC-5Y,VHD-5YS model 倪嘉伟 2025/07/15 Jiawei.Ni 2025/07/15	
V17		/		新增 CH-VH-5 型号 Add CH-VH-5 model 吴纪高 2025/07/28 Jigao.Wu 2025/07/28	
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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 3.96 阴型 & 阳型电子连接器, 产品名称: VH 系列连接器。

This product specification covers the requirement for wire to board 3.96mm pitch Receptacle & Plug connector, which is designed and manufactured by CWB Electronics(ZheJiang) Co.,LTD. P/N: VH Connector.

3. 产品描述 Product description

VH 系列连接器产品为家电连接器产品, 产品部件组成如下:

The VH 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-VH-**-	CH-VH	AWG#20~AWG#18
插簧 Contact	CH-VHB-**-	CH-VH-2	AWG#20~AWG#18
插簧 Contact	CH-VHC-**-	/	AWG#22
插簧 Contact	CH-VH-1-**-	/	AWG#18~AWG#16
插簧 Contact	CH-VH-3-**-	CH-VH-3	AWG#18, RV-90 0.75mm ² AWG#20+AWG#20 AWG#22+AWG#20 AWG#22+AWG#22
插簧 Contact	CH-VH-4-**-	CH-VH-4	AWG#24~AWG#22
插簧 Contact	CH-VH-5-**-	CH-VH-5	AWG#24~AWG#22
孔座(含锁紧片保持结构) Housing(W/Retainer)	VH-nY*(***)	VH-nY/VH-nY-1	PA66 UL94 V-0,PA66 UL94 V-2, PA66 UL94 V-0 GWT 750℃
孔座(含锁紧片保持结构,带锁扣) Housing(W/Retainer, W/Lock)	VHB-nY*(***)	TJC39614-nY	PA66 UL94 V-0 GWT 750℃
孔座(含锁紧片保持结构,带锁扣) Housing(W/Retainer, W/Lock)	VHB-nY-1*(***)	TJC39614-nY-1	PA66 UL94 V-0 GWT 750℃
孔座(含锁紧片保持结构,带锁扣) Housing(W/Retainer, W/Lock)	VHC-nY*(***)	/	PA66 UL94 V-0 GWT 750℃
锁紧片 Retainer	VHB-nYS*(***)	TJC39614-nYS	PA66 UL94 V-0 GWT 750℃
锁紧片 Retainer	VHC-nYS*(***)	/	PA66 UL94 V-0 GWT 750℃
锁紧片 Retainer	VHD-nYS*(***)	/	PA66 UL94 V-0 GWT 750℃
阳连接器(立式,直插) Header (V, DIP)	VH-nA-X*(***)	VH-nA-X	Wafer: PA66 UL94 V-0,PA66 UL94 V-2, PA66 UL94 V-0 GWT 750℃, PA66+GF V-2 Post: Brass, tin plated
阳连接器(立式,直插,含定位柱) Header (V, DIP, W/Boss)	VH-nAD-X*(***)	VH-nAD-X	Wafer: PA66 UL94 V-0,PA66 UL94 V-2, PA66 UL94 V-0 GWT 750℃, PA66+GF V-2 Post: Brass, tin plated
阳连接器(立式,直插) Header (V, DIP)	VH-nA*(***)	VH-nA	Wafer: PA66 UL94 V-0,PA66 UL94 V-2, PA66 UL94 V-0 GWT 750℃, PA66+GF V-2

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			Post: Brass, tin plated
阳连接器(卧式, 直插) Header (H, DIP)	VH-nAW-X *((**-*))	VH-nAW-X	Wafer: PA66 UL94 V-0, PA66 UL94 V-2 , PA66 UL94 V-0 GWT 750℃, PA66+GF V-2, PA66+GF V-0 GWT 750℃ Post: Brass, tin plated
阳连接器(立式, 直插, 含定位柱) Header (V, DIP, W/Boss)	VH-nAD *((**-*))	VH-nAD	Wafer: PA66 UL94 V-2 , PA66 UL94 V-0 GWT 750℃ Post: Brass, tin plated
阳连接器(卧式, 直插, 带挡板) Header (H, DIP, W/PCB stabilizer)	VH-nAWJ *((**-*))	VH-nAWJ	Wafer: PA66 UL94 V-0 GWT 750℃ Post: Brass, tin plated
阳连接器(立式, 直插, 含定位柱) Header (V, DIP, W/Boss)	VHB-nADG * (**-*)	TJC39614-nADG	Wafer: PA66 UL94 V-0 GWT 750℃ Post: Brass, tin plated

4.相关标准 Related standards

以下参考文件是本规格书的一个组成部份。若本规格书中的要求与产品图纸发生冲突, 以产品图中的要求为优先; 若本规格书中的要求与参考文件中的要求冲突, 以本规格书要求为优先。

The following documents form a part of this specification. In the event of conflict between the requirements of this specification and the product drawing, the product drawing shall take precedence. In the event of conflict between the requirements of this specification and the referenced documents, this specification shall take precedence.

GB/T 2421	环境试验 概述和指南 Environmental testing —— General and guidance
GB/T 2423	环境试验 试验方法 Environmental testing —— Test methods
GB/T 2424	环境试验 支持文件及导则 Environmental testing —— Supporting documentation and guidance
GB/T 5095	电子设备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#16	AWG#18	AWG#20	AWG#22	AWG#24
	8A Max.	7A Max.	4A Max.	3A Max.	2A Max.
	9A Max(3pin)				
适用 PCB 板 Applicable PCB	Board thickness:1.6 mm Hole diameter: φ 1.65mm～ φ 1.75mm				
额定电压[AC(有效值)/DC] Rated voltage [AC(rms)/DC]	250V				
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使用温度范围（包含温升） Operating temperature range (include temperature rise)	-40℃～+105℃	
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-VH CH-VHB	Wire size: AWG#20～AWG#18 (0.52mm ² -0.82mm ²) Insulation diameter: φ 1.75mm- φ 2.85mm
	CH-VHC	Wire size: AWG#22 (0.3mm ²) Insulation diameter: φ 2.4mm
	CH-VH-1	Wire size: AWG#18～AWG#16 (0.82mm ² -1.31mm ²) Insulation diameter: φ 2.0mm- φ 2.85mm
	CH-VH-3	Wire size: AWG#18(0.82mm ²) RV-90 0.75mm ² Insulation diameter: φ 2.0mm- φ 2.85mm AWG#20+AWG#20 AWG#22+AWG#20 AWG#22+AWG#22 (压接参数由压接厂家自行定义) (The crimping parameters comply with the requirements of the crimping manufacturer)
	CH-VH-4	Wire size: AWG#24～AWG#22 (0.20mm ² -0.33mm ²) Insulation diameter: φ1.40mm-φ2.40mm
	CH-VH-5	Wire size: AWG#24～AWG#22 (0.20mm ² -0.33mm ²) Insulation diameter: φ1.40mm-φ2.40mm

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 (Insertion force) Max.	固定力 (Retention force) Min.
			14.7N	29.4N
6.1.3	插簧与插针的插拔力	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。	插入力 (Insertion force) Max.	拔出力 (Withdrawal force) Min.

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	Insertion and withdrawal force for pin in the contact	Insert the pin contact into and pull out the socket contact in the direction of the terminal axis (Testing speed: <25 mm/min.) GB/T 5095.7 Method 13b / EIA-364-13B	9.8N		0.2N		
6.1.4	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	20N Min.				
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#24: 30N Min. AWG#22: 45N Min. AWG#20: 65N Min. AWG#18: 80N Min. AWG#16: 120N Min. RV-90 0.75mm² : 75N Min.				
6.1.6	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	2pin: 14.7 N Min. 3pin~15pin: 49 N Min.				
6.1.7	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50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 50th. shall be measured. (Testing speed: <25 mm/min.) GB/T 5095.7 Method 13b / EIA-364-13B	极数 No.	插入力（最大值） Insertion (Max.)		拔出力（最小值） Withdrawal (Min.)	
			of poles	初次 1st.	初次 1st.	第五十次 50th.	
			2P	19.6N	3.9N	2.0N	
			3P	29.4N	5.9N	2.9N	
			4P	39.2N	7.8N	3.9N	
			5P	44.1N	9.8N	4.9N	
			6P	53.9N	12.7N	6.9N	
			7P	58.8N	15.7N	8.8N	
			8P	68.6N	18.6N	10.8N	
			9P	73.5N	21.6N	12.7N	
			10P	78.4N	24.5N	14.7N	
			11P	88.2N	27.5N	16.6N	
			12P	93.1N	30.4N	18.6N	
13P	102.9N	33.3N	20.5N				



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6.1.8	机械振动 Vibration	插合连接器，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
6.1.9	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
6.1.10	机械寿命 Durability	以每分钟 10 次的速度插拔 50 次 50 cycles for mating and unmating test at the speed of 10 cycles per minute GB/T 5095.5 Method 9a / EIA-364-09C	外观：无损伤（参照6.1.1） Appearance: no damage.(refer to 6.1.1) 接触电阻：20mΩ Max. Contact resistance: 20mΩ Max.

6.2 电气性能 Electrical

序号 No.	项目 Item	测试条件 Test condition	规格 Requirement
6.2.1	接触电阻 Contact resistance	插配阴阳连接器后，用小功率电路进行测试 Mate connectors with dry circuit to test contact resistance GB/T 5095.2 Method 2a / EIA-364-23B	10mΩ Max. (Initial) 20mΩ 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) 800 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 2000V AC （有效值），漏电流 1mA 的电压作用，时间 1min. Apply a voltage of 2000V AC (rms) and leakage current of 1mA between adjacent contacts or ground cables for 1 minute. GB/T 5095.2 Method 4a / EIA-364-20B	外观：无击穿和飞弧现象 Appearance: no breakdown or flashover
6.2.4	温升 Temperature rise	插合连接器，通以最大允许电流，测温度的差值 Mate connectors and measure the temperature rise of contact when the maximum AC rated current is passed. GB/T 5095.3 Method 5a / EIA-364-70A	Δ30°C Max.

6.3 环境性能 Environmental

序号 No.	项 目 Item	测试条件 Test condition	规 格 Requirement
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6.3.1	耐高温 Heat resistance	连接器配合后，于（105±2）℃的空气中放置 240 小时，再回到室温中放置（1~2）小时测定。 Mated connectors exposed to the condition of (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：20mΩ Max. Contact resistance: 20mΩ Max. 绝缘电阻：800 MΩ Min. Insulation resistance:800 MΩ Min. 耐电压：1500V Min. Withstand voltage: 1500V Min.										
6.3.2	耐低温 Cold resistance	连接器配合后，于（-40±2）℃的空气中放置 240 小时，再回到室温中放置（1~2）小时测定。 Mated connectors exposed to the condition of (-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：20mΩ Max. Contact resistance: 20mΩ Max. 绝缘电阻：800 MΩ Min. Insulation resistance:800 MΩ Min. 耐电压：1500V Min. Withstand voltage: 1500V Min.										
6.3.3	恒定湿热 Humidity	温度（40±2）℃ 相对湿度（90~95）% 搁置时间 240 小时，取出恢复（1~2）小时后检查。 Mated connectors exposed to the condition of temperature (40±2)°C, humidity (90~95)% for 240 hours, recovery time (1~2) hours GB/T 5095.6 Method 11c / EIA-364-31B	外观：无损伤（参照6.1.1） Appearance: no damage.(refer to 6.1.1) 接触电阻：20mΩ Max. Contact resistance: 20mΩ Max. 绝缘电阻：800 MΩ Min. Insulation resistance: 800 MΩ Min. 耐电压：1500V Min. Withstand voltage: 1500V Min.										
6.3.4	温度循环 Temperature cycling	把试验样品分别放入高、低温试验箱中，按下列步骤调试温度： a) 在（-55±2）℃的恒温条件下放置 0.5 小时； b) 在（85±2）℃的恒温条件下放置 0.5 小时； 从 a)到 b)为一个循环，周期温度转换时间应不大于 5 分钟，共进行 25 个循环，恢复（1~2）小时后检查 Mated connectors shall be tested under the following conditions <table><tr><th>Temperature °C</th><th>Duration</th></tr><tr><td>1 -55±2</td><td>0.5h</td></tr><tr><td>2 Room Temp.</td><td>5 minutes Max.</td></tr><tr><td>3 +85±2</td><td>0.5h</td></tr><tr><td>4 Room Temp.</td><td>5 minutes Max.</td></tr></table> Step 1 to 4 is one cycle,25 cycles shall be tested, recovery time (1~2) hours GB/T 5095.6 method 11d / EIA-364-32C	Temperature °C	Duration	1 -55±2	0.5h	2 Room Temp.	5 minutes Max.	3 +85±2	0.5h	4 Room Temp.	5 minutes Max.	外观：无损伤（参照6.1.1） Appearance: no damage.(refer to 6.1.1) 接触电阻：20mΩ Max. Contact resistance: 20mΩ Max. 绝缘电阻：800 MΩ Min. Insulation resistance: 800 MΩ Min. 耐电压：1500V Min. Withstand voltage: 1500V Min.
Temperature °C	Duration												
1 -55±2	0.5h												
2 Room Temp.	5 minutes Max.												
3 +85±2	0.5h												
4 Room Temp.	5 minutes Max.												
6.3.5	盐雾 Salt spray	把试验样品从试验箱顶悬挂下来，采用浓度为（5±1）%（质量百分比）的氯化钠溶液，在（35±2）℃温度下连续雾化 48 小时，试验后用流动的蒸馏水轻轻洗去表面沉积物。在常温常湿条件下恢复（1~2）小时 48 hours spray, at temp (35±2)°C, NaCl mist concentration (5±1)%. After test wash parts and put it into room ambient for (1~2) hours GB/T 5095.6 Method 11f / EIA-364-26B	外观：无损伤（五金件应无露出底金属的严重锈蚀;使用预镀好的型材，其落料面允许有不影响其性能的轻微腐蚀。） Appearance: no damage (no erosion on material exposed. and plating material, slight erosion on the cutting surface is acceptable) 接触电阻：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										



产品规格书

PRODUCT SPECIFICATION

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±2）℃、湿度（80±5）%、H ₂ S 气体浓度为（3±1）ppm 的环境中放置 96 小时 Mated connectors exposed to the condition of temperature (40±2)°C, humidity (80±5)%, H ₂ S gas concentration of (3±1)ppm for 96 hours	接触电阻：20mΩ Max. Contact resistance: 20mΩ Max.
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±5）℃，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%
6.3.9	耐焊接热 Resistance to soldering heat	耐波峰焊热：把试验样品需要焊接的部位浸入焊锡炉中，锡炉温度（260±5）℃；时间（5±1）秒后，在正常条件下恢复（1~2）小时 手工焊接：温度（350±10）℃，时间(2~3) seconds Resistance to wave soldering heat: Dip solder tails into the molten solder held at (260±5) °C for (5 ±1) seconds, recovery time (1~2) hours Manual soldering: (350±10)°C for (1~2) seconds	外观：无损伤(参照6.1.1) Appearance: no damage. (refer to 6.1.1)
6.3.10	灼热丝 Glow wire (只针对 GWT750℃ 产品 Only for GWT750℃ products)	750℃灼热丝顶部接触试验样品 接触时间：(30±1)秒 接近和离开速率：10mm/s~25mm/s 灼热丝进入或贯穿试验样品深度：(7±0.5)mm。 750℃glow wire contacts with mated connector Time: (30±1)s Speed of closing to and leaving: 10mm/s~25mm/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.

产品名称 Product name:	VH 系列连接器	编号 Document No.	PS4101	版本号 Version No.	V17
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PAGE: 9 / 10

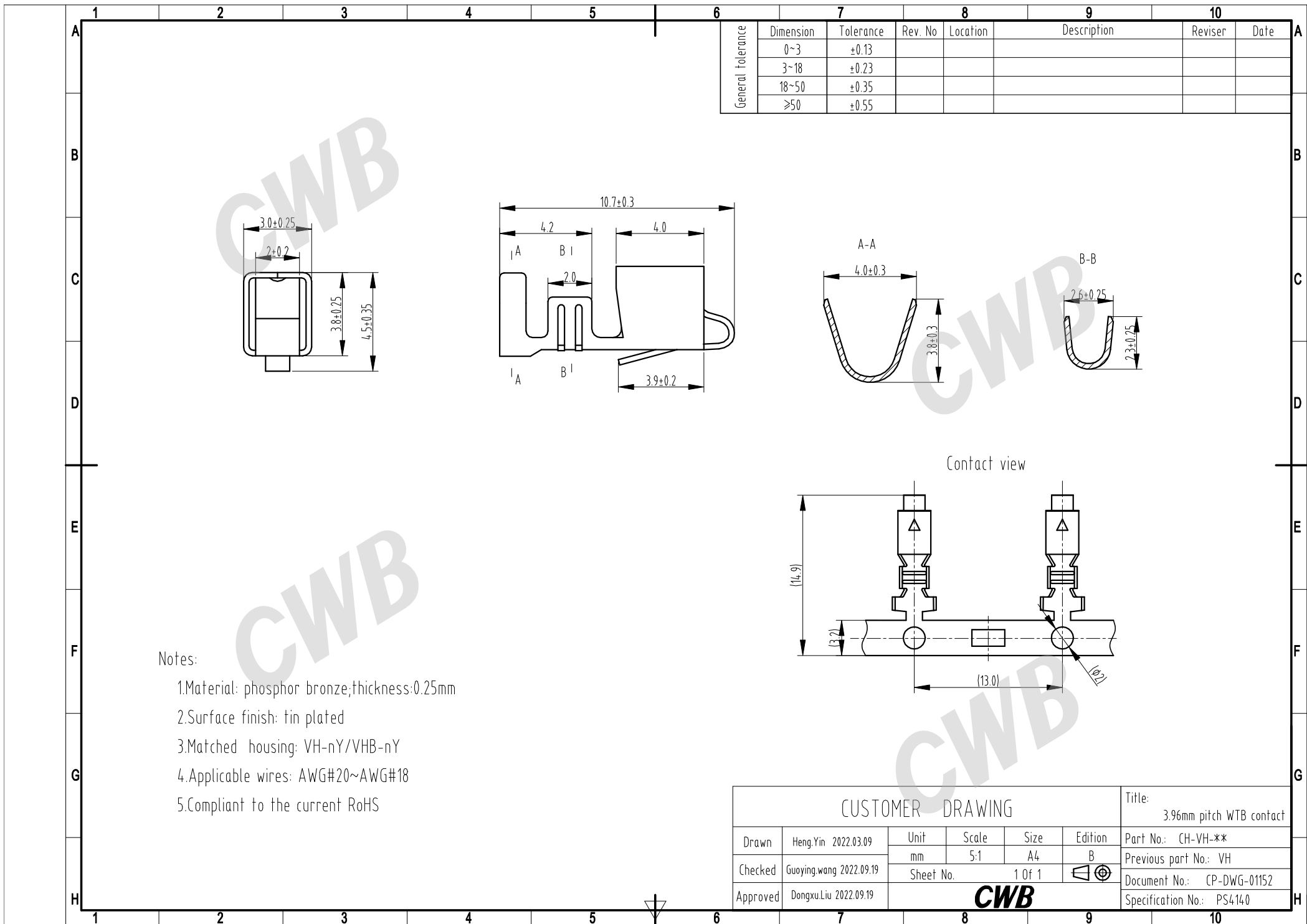


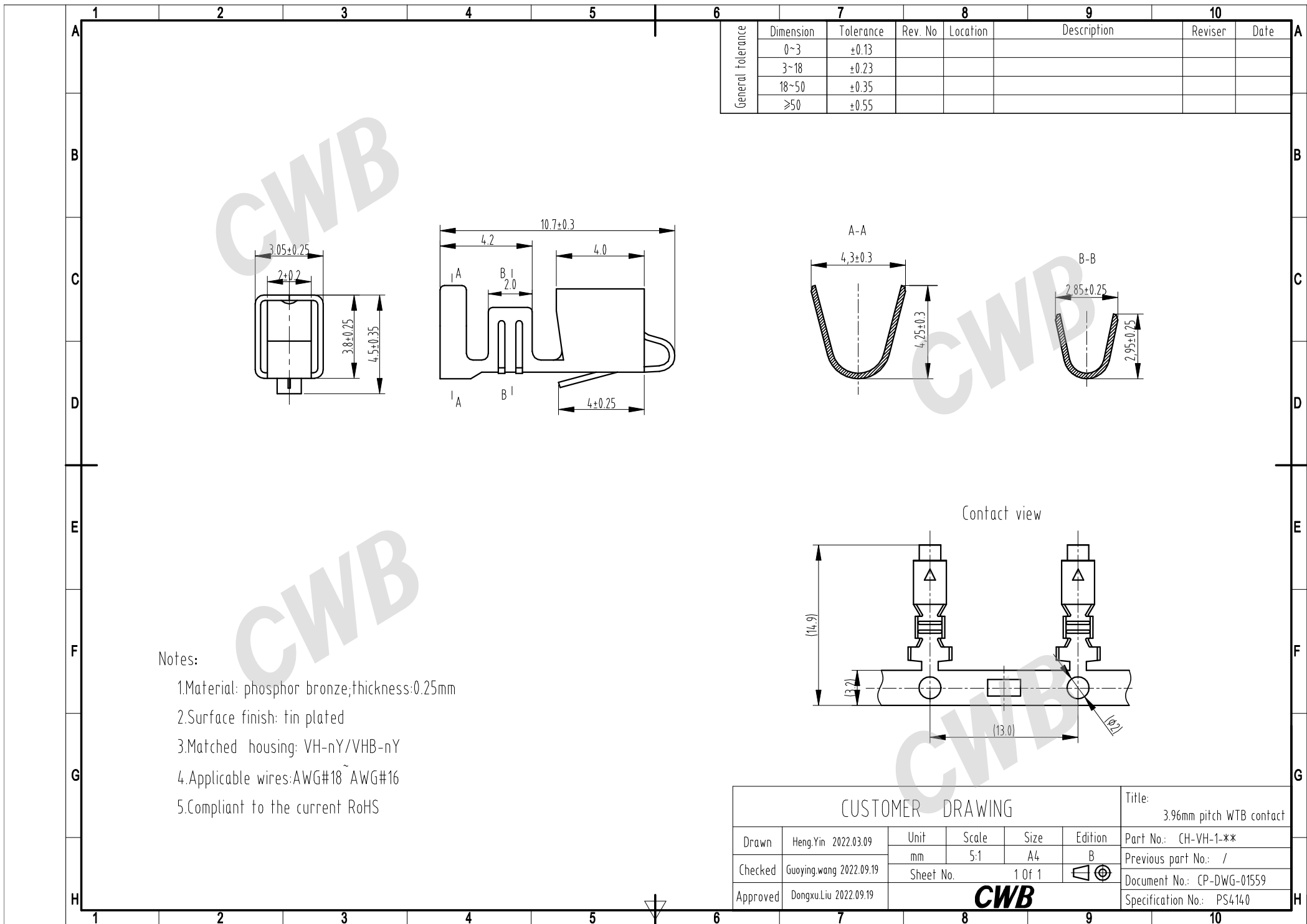
产品规格书

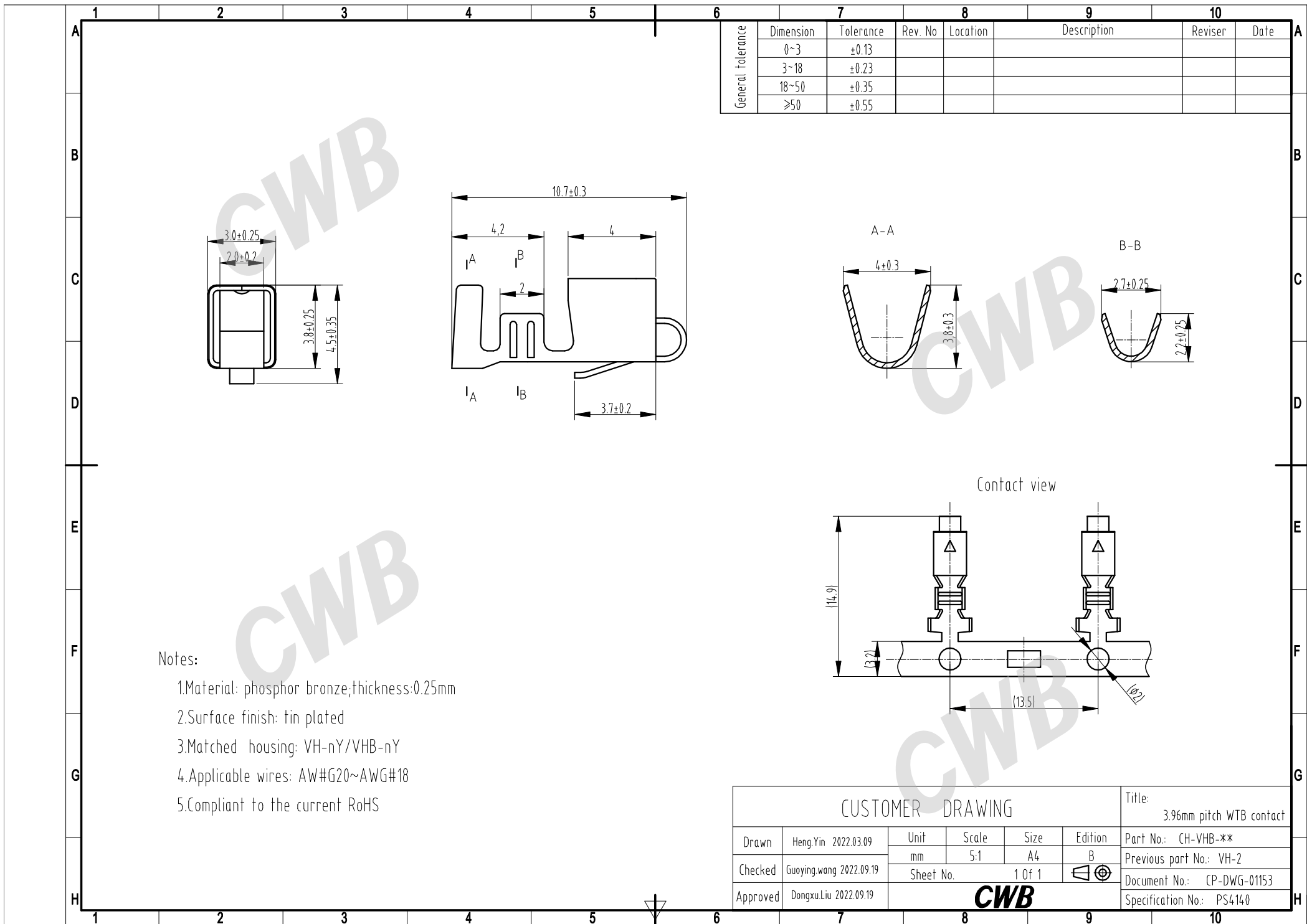
PRODUCT SPECIFICATION

7. 测试分组 Test sequences (Samples: 5PCS)

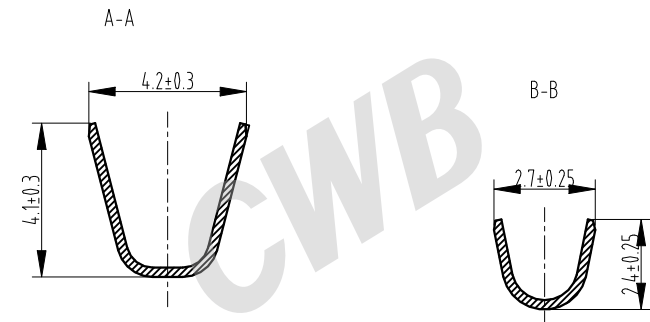
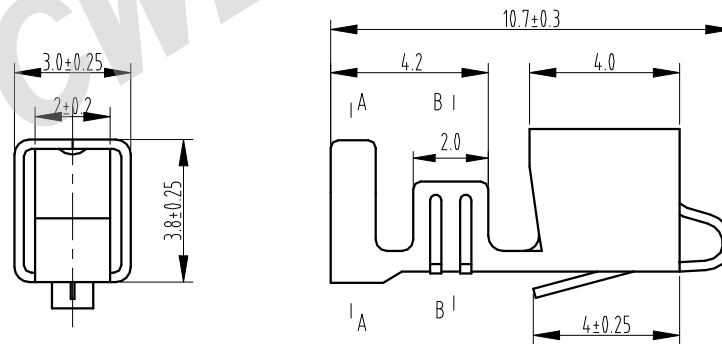
测试组 Group number	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
外观 Appearance	1	1	1	1	1	1,5	1,5	1,7	1	1,7	1,5	1,7	1,7	1,5	1,3	1,5	1,3	1,3	1,3
端子的插入力与固定力 Insertion force and retention force for contact	2																		
针的固定力 Post retention force		2																	
压着部位抗张强度 Crimp tensile strength			2																
锁扣强度 Lock 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							3												
机械寿命 Durability								5											
接触电阻 Contact resistance						2,4	2,4	2,6		2,6	2,4	2,4	2,4	2,4		2,4			
绝缘电阻 Insulation resistance								3		4		5	5						
耐电压 Withstand voltage								4		5		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					
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	
灼热丝 Glow wire																			2





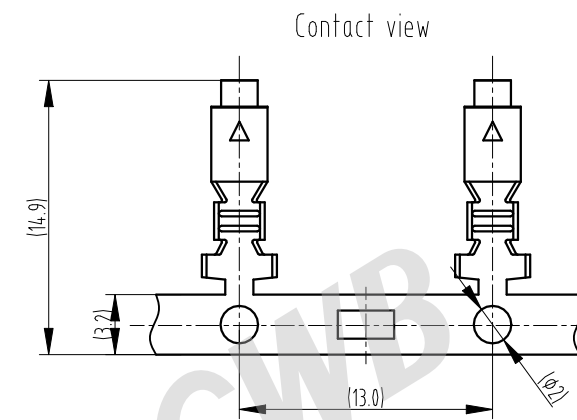


General tolerance	Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
	0~3	±0.13					
	3~18	±0.23					
	18~50	±0.35					
	≥50	±0.55					



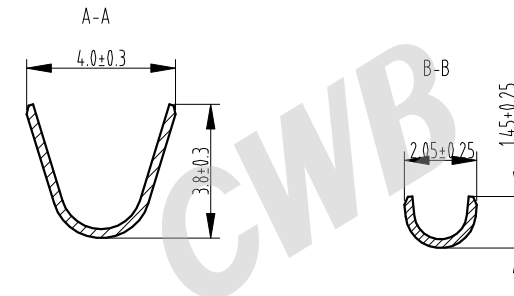
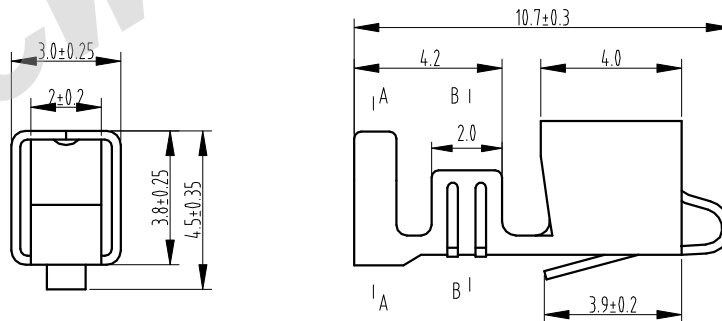
Notes:

- 1.Material: phosphor bronze;thickness:0.25mm
- 2.Surface finish: tin plated
- 3.Matched housing: VH-nY/VHB-nY
- 4.Applicable wires:AWG#18, RV-90 0.75mm²,AWG#20+AWG#20, AWG#22+AWG#20,AWG#22+AWG#22
- 5.Compliant to the current RoHS

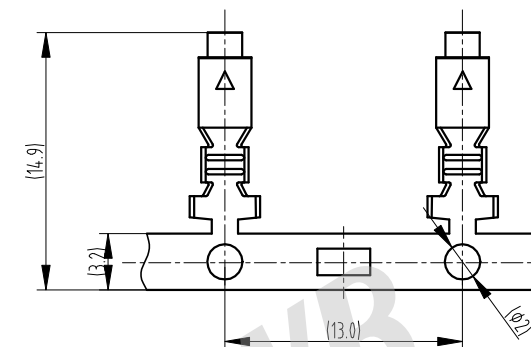


CUSTOMER DRAWING						Title: 3.96mm pitch WTB contact
Drawn	Heng.Yin 2022.03.09	Unit	Scale	Size	Edition	Part No.: CH-VH-3-*
Checked	Guoying.wang 2022.03.09	mm	5:1	A4	B	Previous part No.: VH-3
		Sheet No. 1 Of 1				Document No.: CP-DWG-01154
Approved	Dongxu.Liu 2022.03.09	CWB				Specification No.: PS4178

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



Contact view

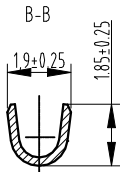
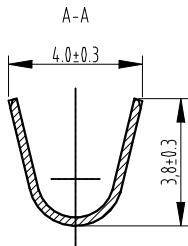
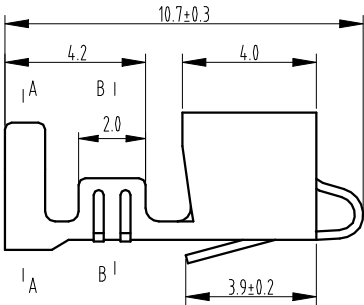
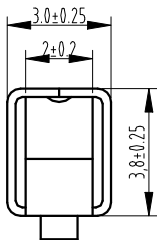


Notes:

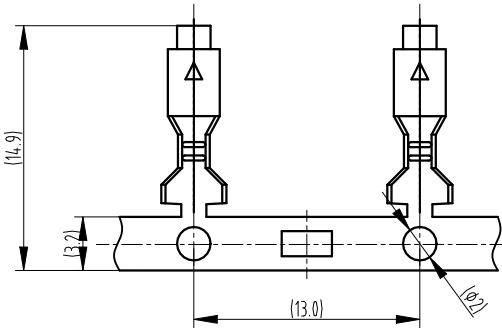
- 1.Material: phosphor bronze;thickness:0.25mm
- 2.Surface finish: tin plated
- 3.Matched housing: VH-nY/VHB-nY
- 4.Applicable wires:AWG#24~AWG#22
- 5.Compliant to the current RoHS

CUSTOMER DRAWING						Title: 3.96mm pitch WTB contact	
Drawn	Heng.Yin 2022.03.09	Unit	Scale	Size	Edition	Part No.: CH-VH-4-xx	
Checked	Guoying.wang 2022.09.19	mm	5:1	A4	B	Previous part No.: VH-4	
		Sheet No.		1 Of 1		Document No.: CP-DWG-01328	
Approved	Dongxu.Liu 2022.09.19	CWB				Specification No.: PS4140	

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					



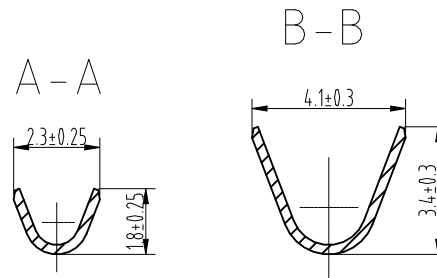
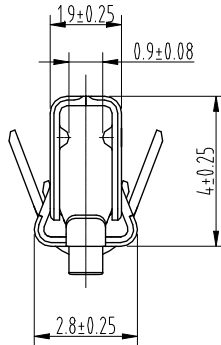
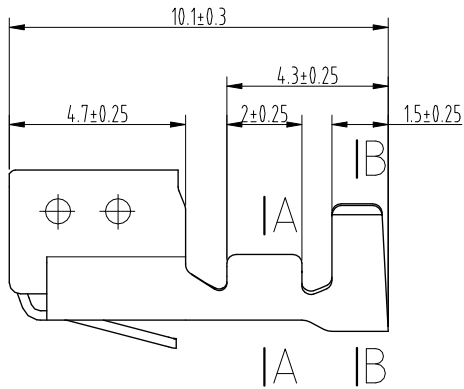
Contact view



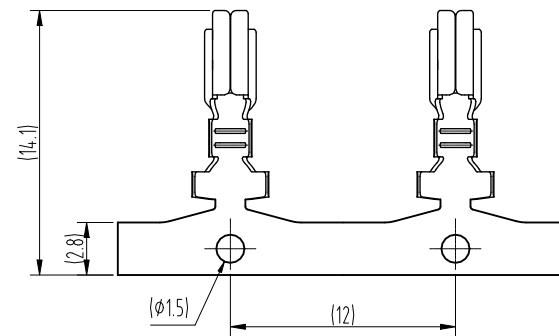
- Notes:
- 1.Material: phosphor bronze;thickness:0.25mm
 - 2.Surface finish: tin plated
 - 3.Matched housing: VH-nY/VHB-nY
 - 4.Applicable wires:AWG#24~AWG#22
 - 5.Compliant to the current RoHS

CUSTOMER DRAWING						Title: 3.96mm pitch WTB contact	
Drawn	JiGao.Wu 2025.07.28	Unit	Scale	Size	Edition	Part No.:	CH-VH-5-**
Checked	Qu.wang 2025.07.28	mm	5:1	A4	B	Previous part No.:	/
		Sheet No.		1 Of 1		Document No.:	CP-DWG-01914
Approved	Dongxu.Liu 2025.07.28	CWB				Specification No.:	PS4101

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

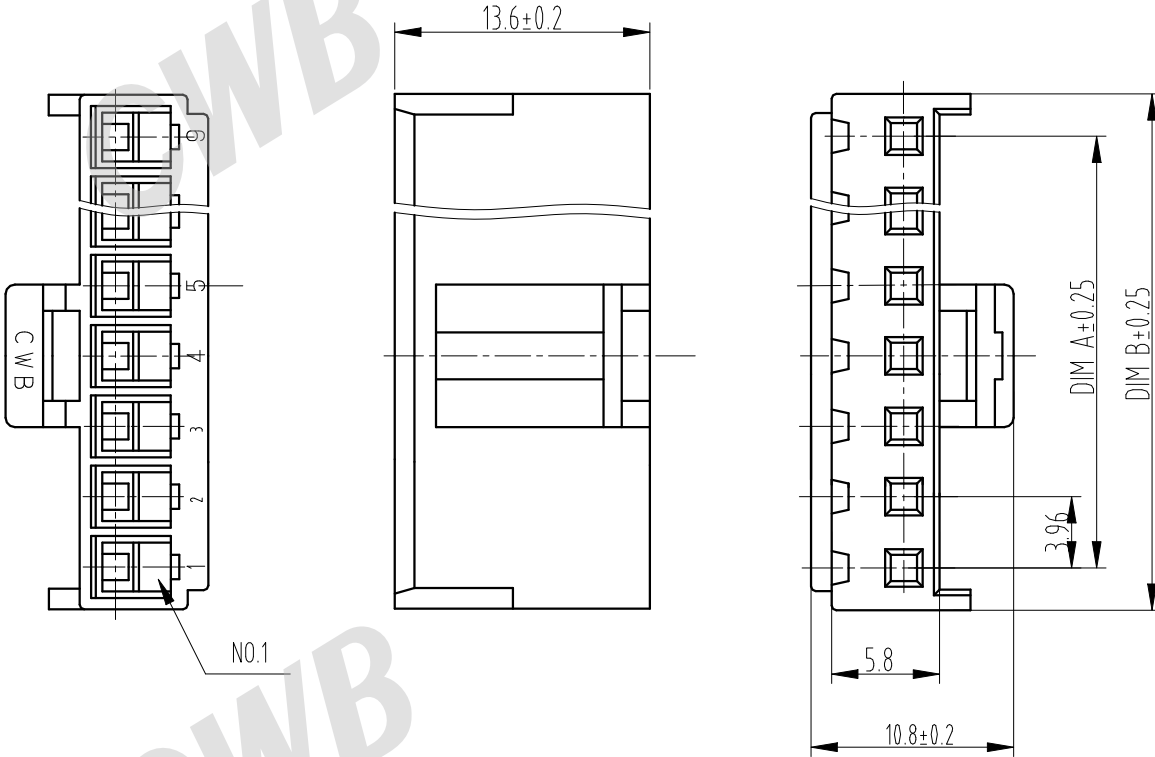


Notes:

- 1.Material: copper alloy;thickness:0.25mm
- 2.Surface finish: tin plated
- 3.Matched housing: VHC-5Y
- 4.Applicable wires: AWG#22
- 5.Compliant to the current RoHS

CUSTOMER DRAWING						Title:
Drawn	jiawei.Ni 2025.7.15	Unit	Scale	Size	Edition	3.96mm pitch WTB contact
Checked	Qu.Wang 2025.7.15	mm	5:1	A4	B	Part No.: CH-VHC-**-**
Approved	Dongxu.Liu 2025.7.15	Sheet No.	1 Of 1			Previous part No.: /
CWB						Document No.: CP-DWG-01901
						Specification No.: PS4101

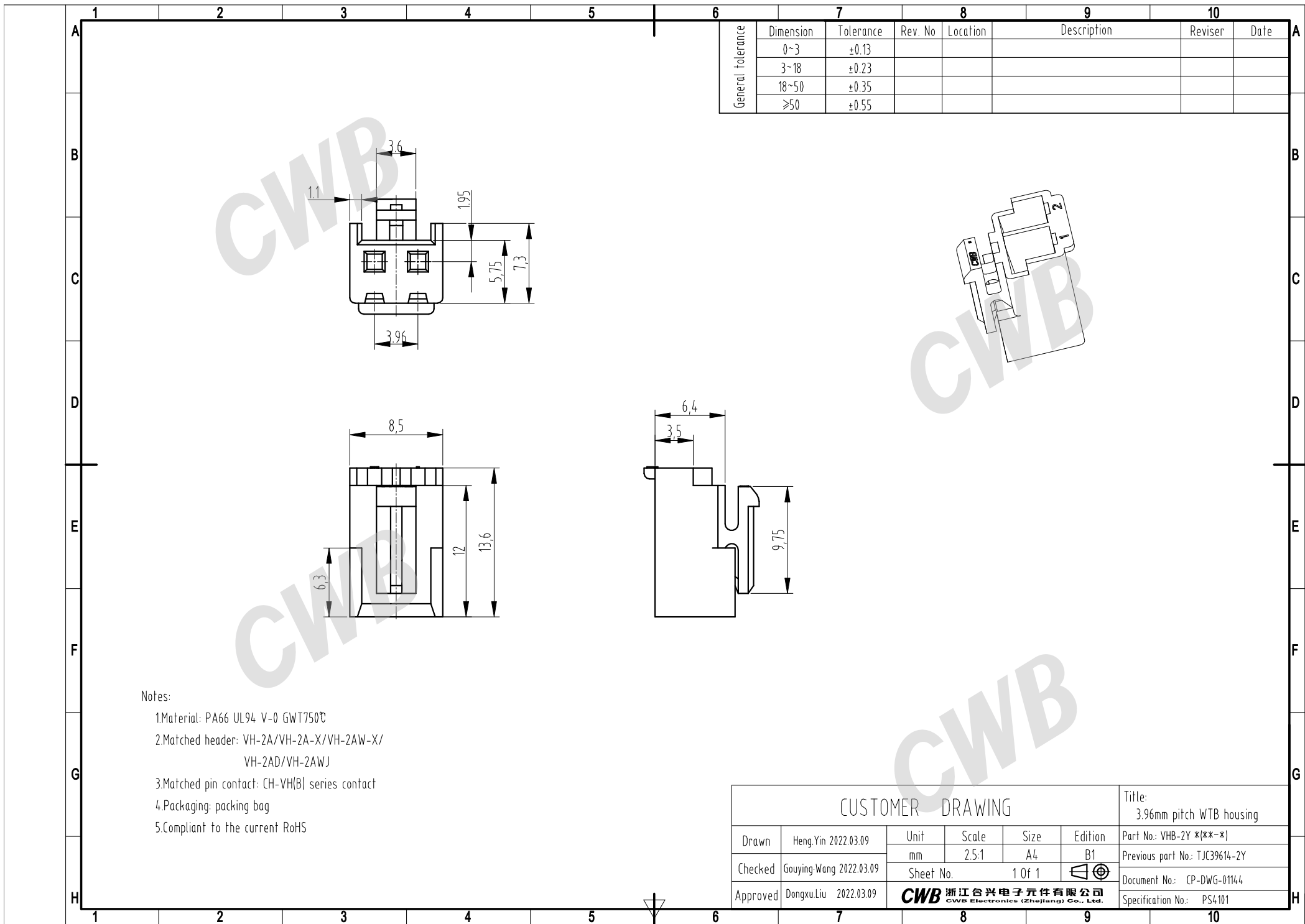
General tolerance	Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
	0~3	±0.13					
	3~18	±0.23					
	18~50	±0.35					
	≥50	±0.55					

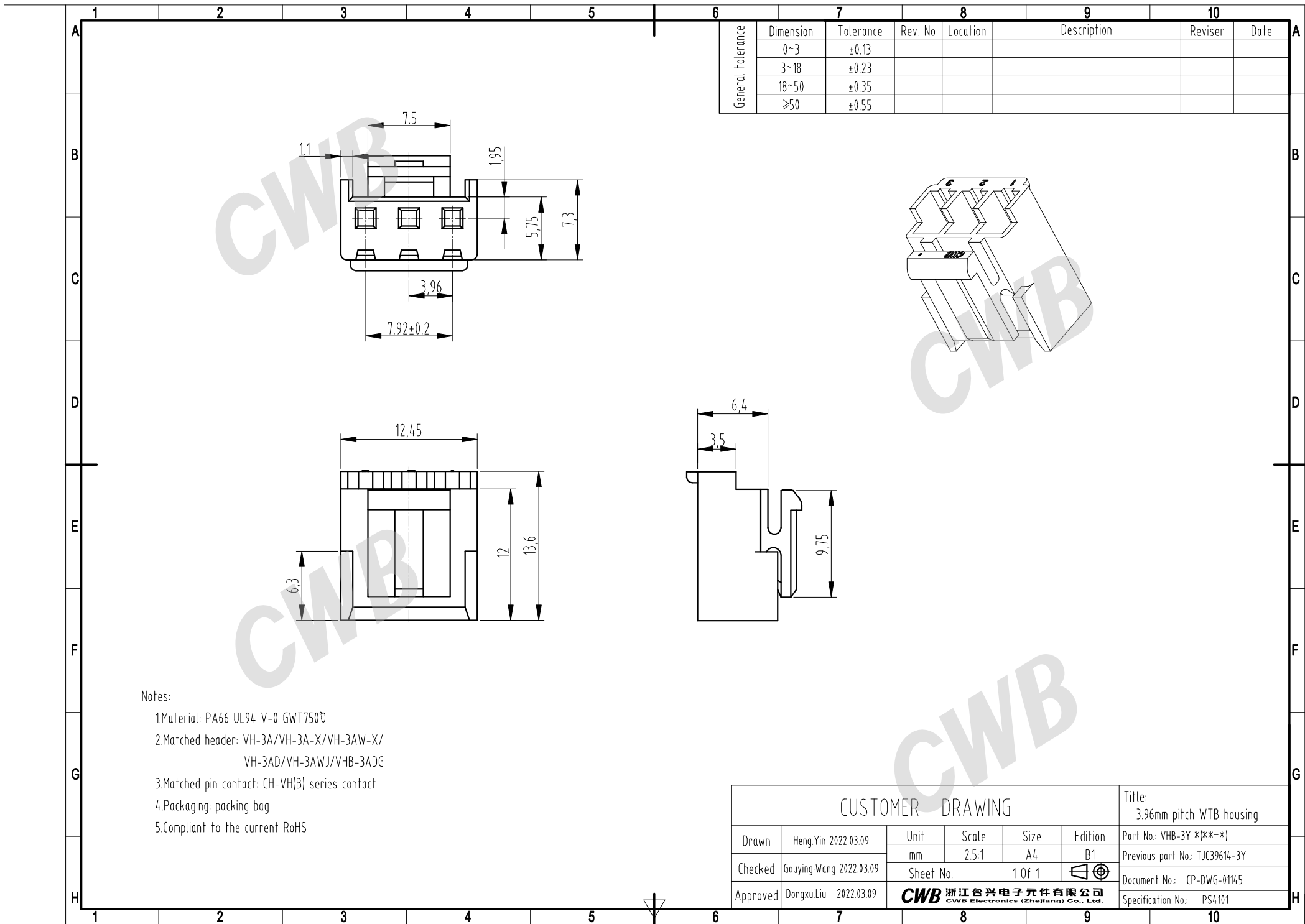


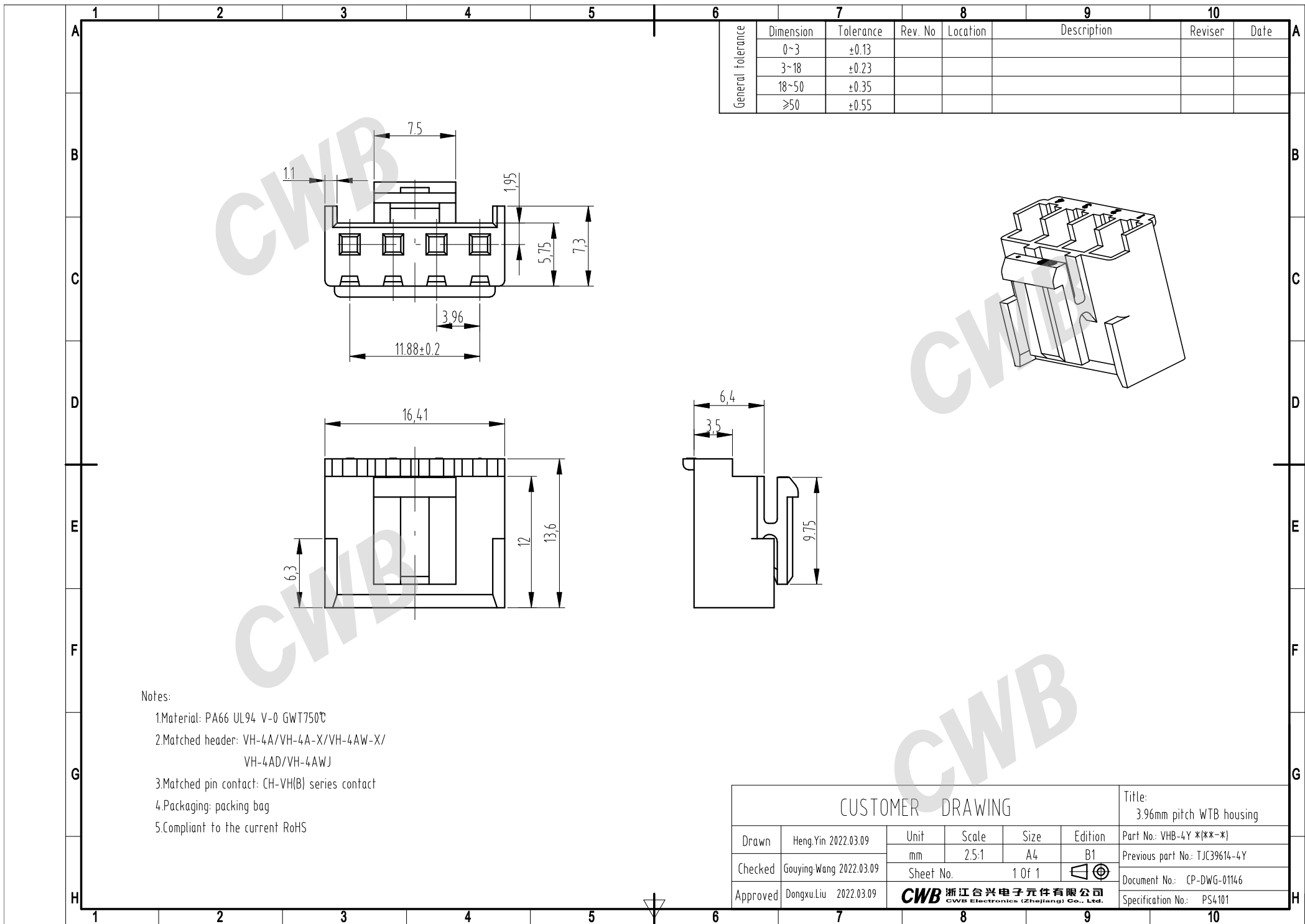
- Notes:
- 1.Material: PA66 UL94 V-0,PA66 UL94 V-2 , PA66 UL94 V-0 GWT750℃
 - 2.Matched header: VH-nA/VH-nA-X/VH-nAW-X/
VH-nAD/VH-nAWJ/VH4B-nADG
 - 3.Matched pin contact: CH-VH(B) series contact
 - 4.Packaging: packing bag
 - 5.Compliant to the current RoHS

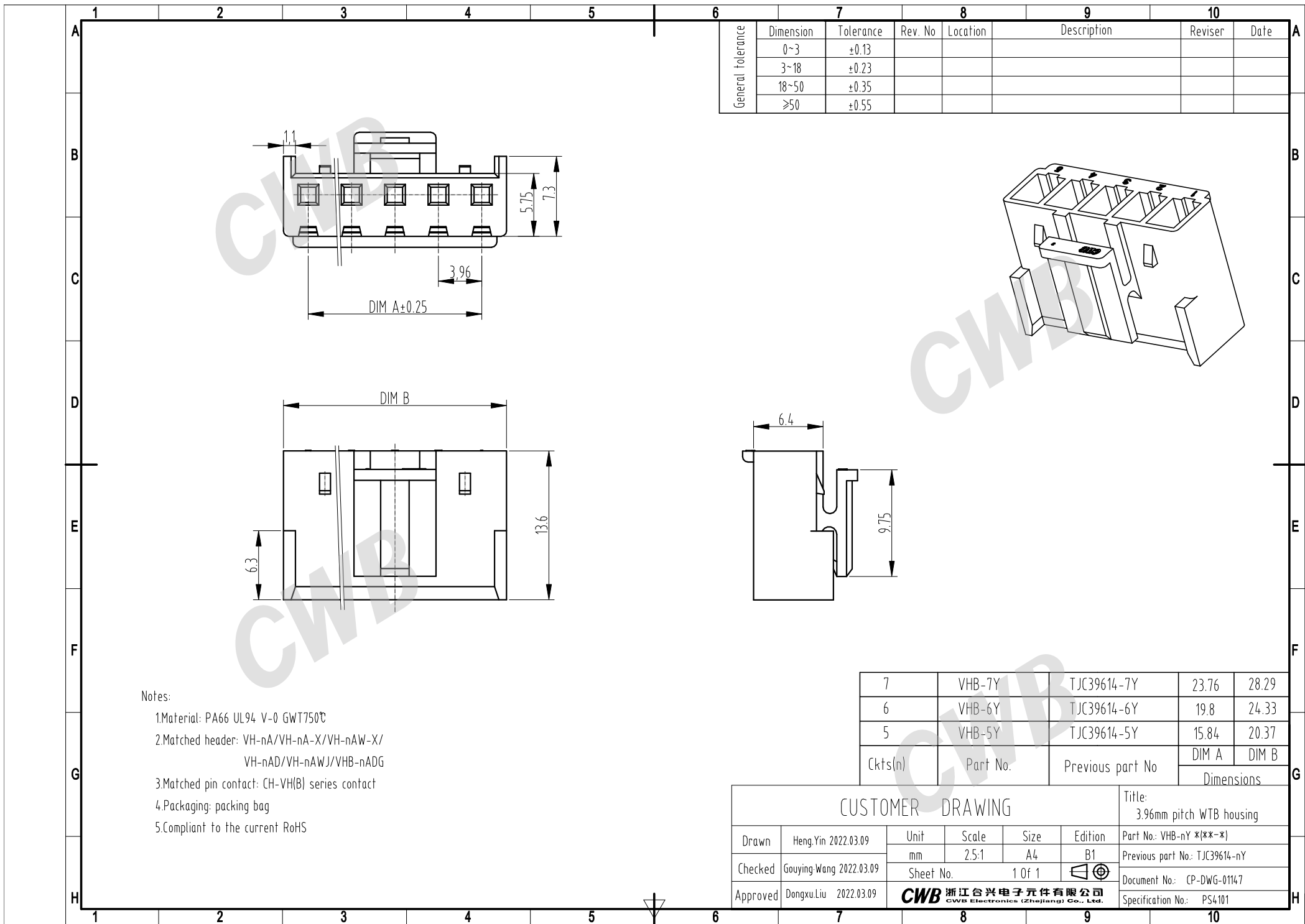
15	VH-15Y	VH-15Y-1	55.44	59.95
13	VH-13Y	VH-13Y-1	47.52	52.03
12	VH-12Y	VH-12Y-1	43.56	48.07
11	VH-11Y	VH-11Y-1	39.60	44.11
10	VH-10Y	VH-10Y-1	35.64	40.15
9	VH-9Y	VH-9Y-1	31.68	36.19
8	VH-8Y	VH-8Y-1	27.72	32.23
7	VH-7Y	VH-7Y-1	23.76	28.27
6	VH-6Y	VH-6Y-1	19.80	24.31
5	VH-5Y	VH-5Y-1	15.84	20.35
4	VH-4Y	VH-4Y-1	11.88	16.39
3	VH-3Y	VH-3Y-1	7.92	12.43
2	VH-2Y	VH-2Y-1	3.96	8.47
Ckts(n)		Part No.	Previous part No	Dimensions
			A	B

CUSTOMER DRAWING						Title: 3.96mm pitch WTB housing	
Drawn	Heng.Yin 2022.03.09	Unit	Scale	Size	Edition	Part No.: VH-nY*(**~*)/VH-nY-1*(**~*)	
		mm	2.5:1	A4	B1	Previous part No.: VH-nY/VH-nY-1	
Checked	Gouying.Wang 2022.03.09	Sheet No.		1 Of 1			
Approved	Dongxu.Liu 2022.03.09	CWB 浙江合兴电子元件有限公司 CWB Electronics (Zhejiang) Co., Ltd.				Document No.: CP-DWG-01143	
						Specification No.: PS4101	

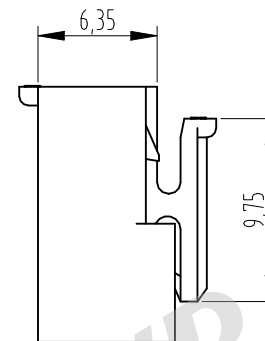
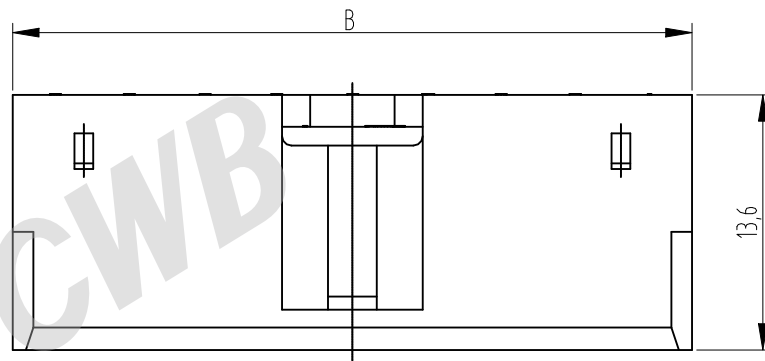
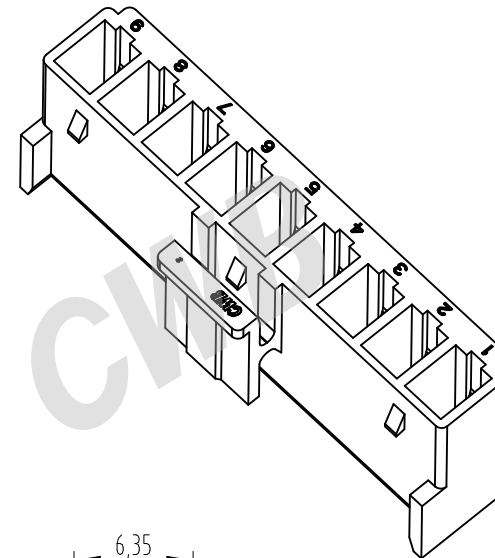
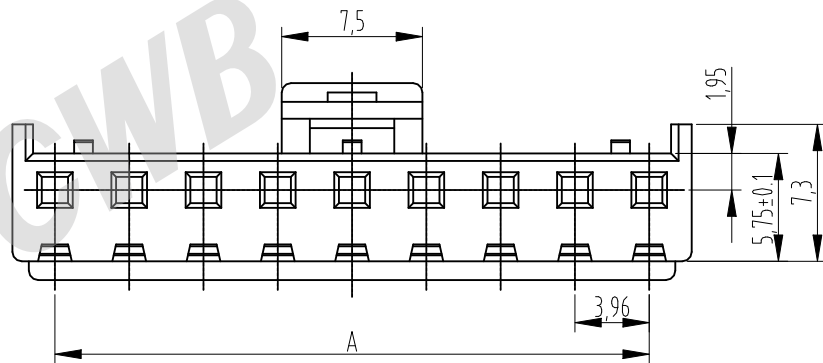








	1	2	3	4	5	6	7	8	9	10				
A						General Tolerance	Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date	A
							0~3	±0.13						
							3~18	±0.23						
							18~50	±0.35						
							≥50	±0.55						

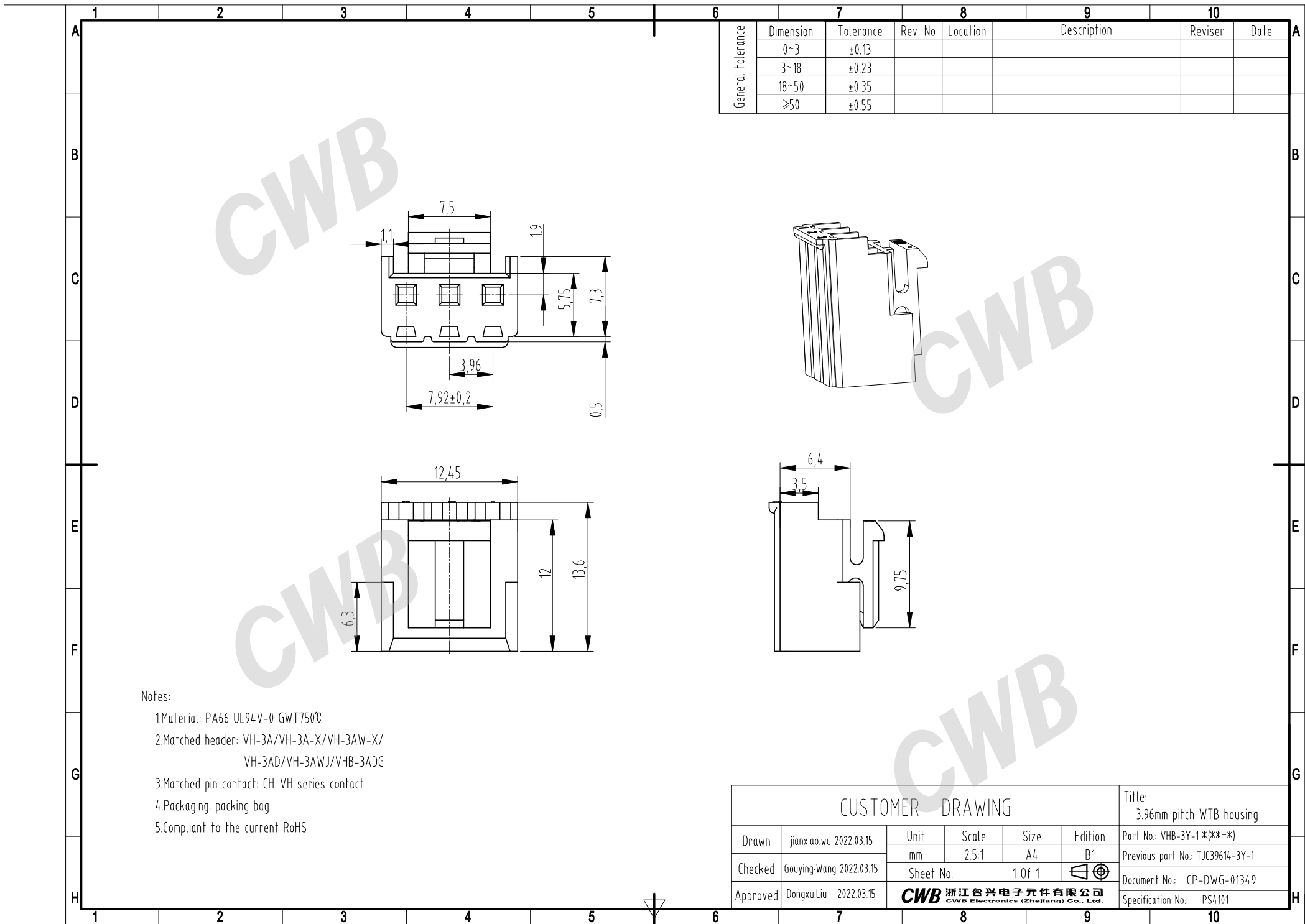


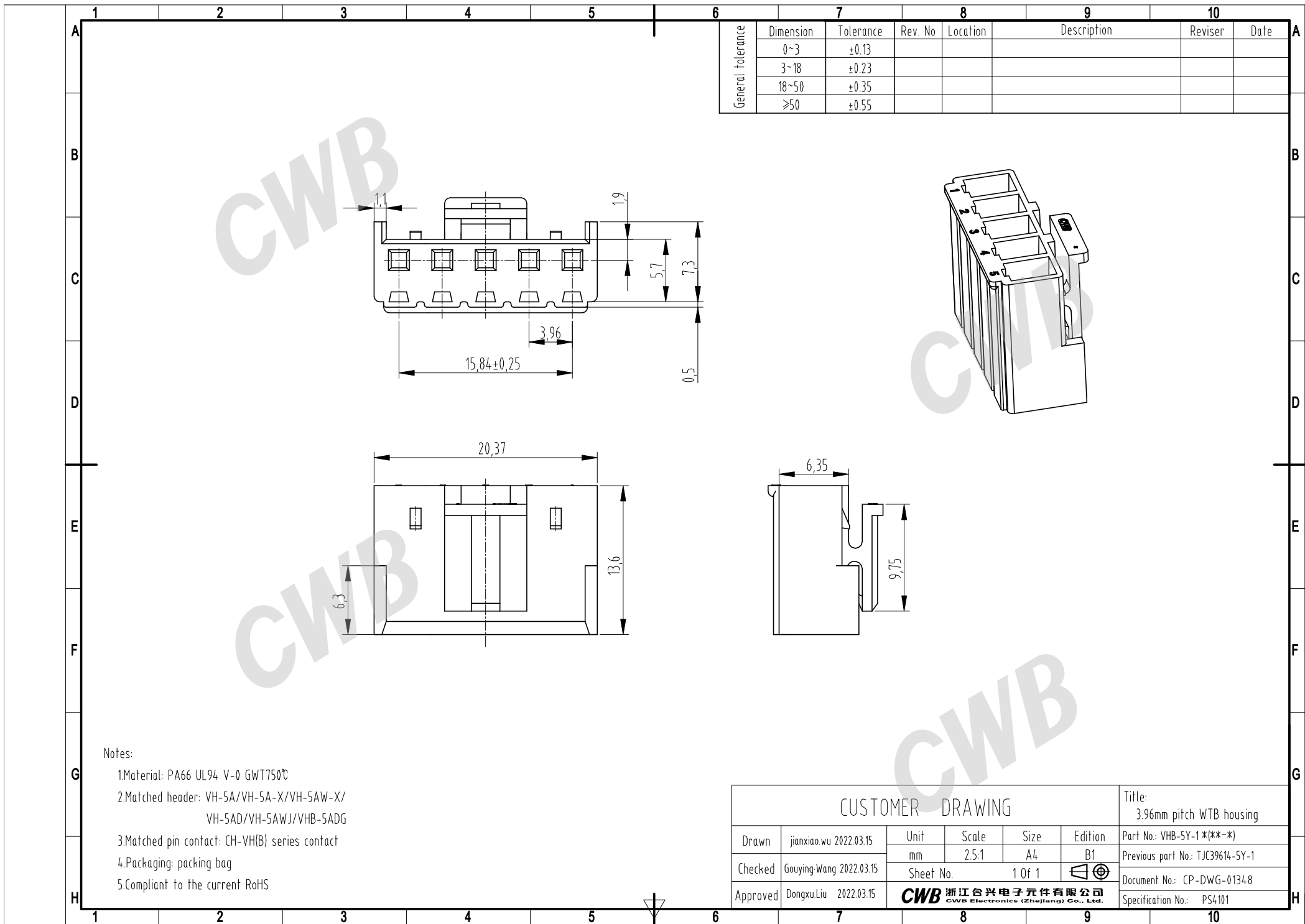
Notes:

- 1.Material: PA66 UL94 V-0 GWT750℃
- 2.Matched header: VH-nA/VH-nA-X/VH-nAW-X/
VH-nAD/VH-nAWJ/VHB-nADG
- 3.Matched pin contact: CH-VH(B) series contact
- 4.Packaging: packing bag
- 5.Compliant to the current RoHS

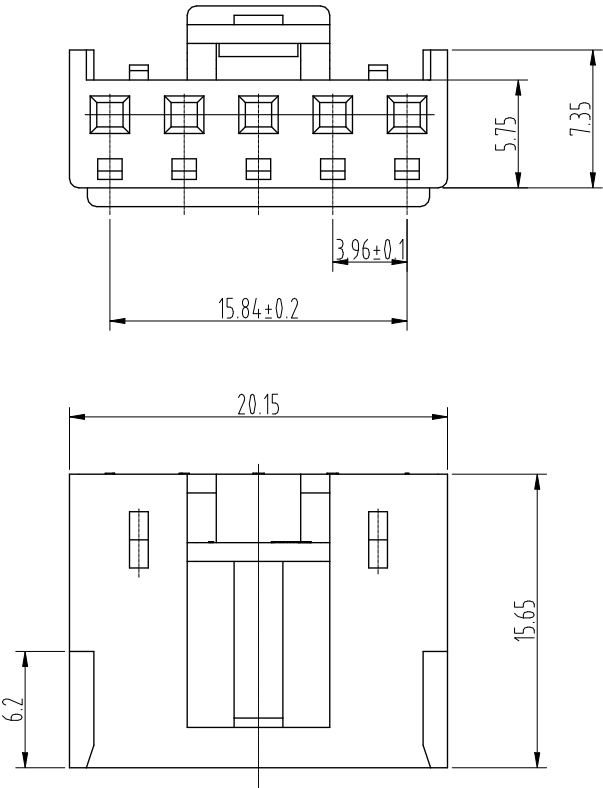
9	VHB-9Y	31.68	36.21
8	VHB-8Y	27.72	32.25
Ckts	Part No.	A	B
		Dimensions	

CUSTOMER DRAWING						Title: 3.96mm pitch WTB housing	
Drawn	Jigao.Wu 2024.07.16	Unit	Scale	Size	Edition	Part No.: VHB-nY *(**~*)	
Checked	Qu.Wang 2024.07.16	mm	2.5:1	A4	B	Previous part No.: /	
		Sheet No.		1 Of 1			Document No.: CP-DWG-01799
Approved	Dongxu.Liu 2024.07.16	CWB				Specification No.: PS4101	



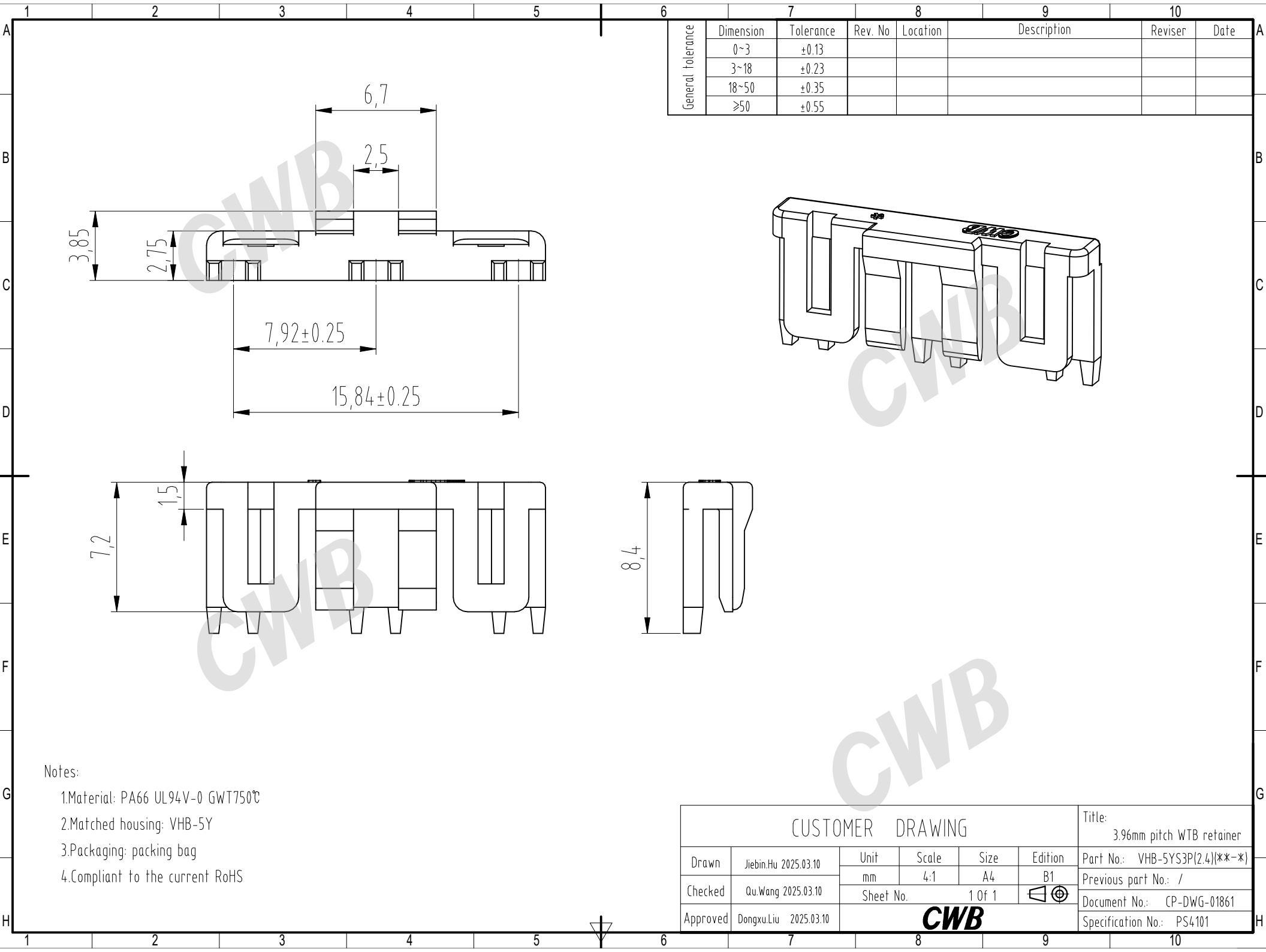


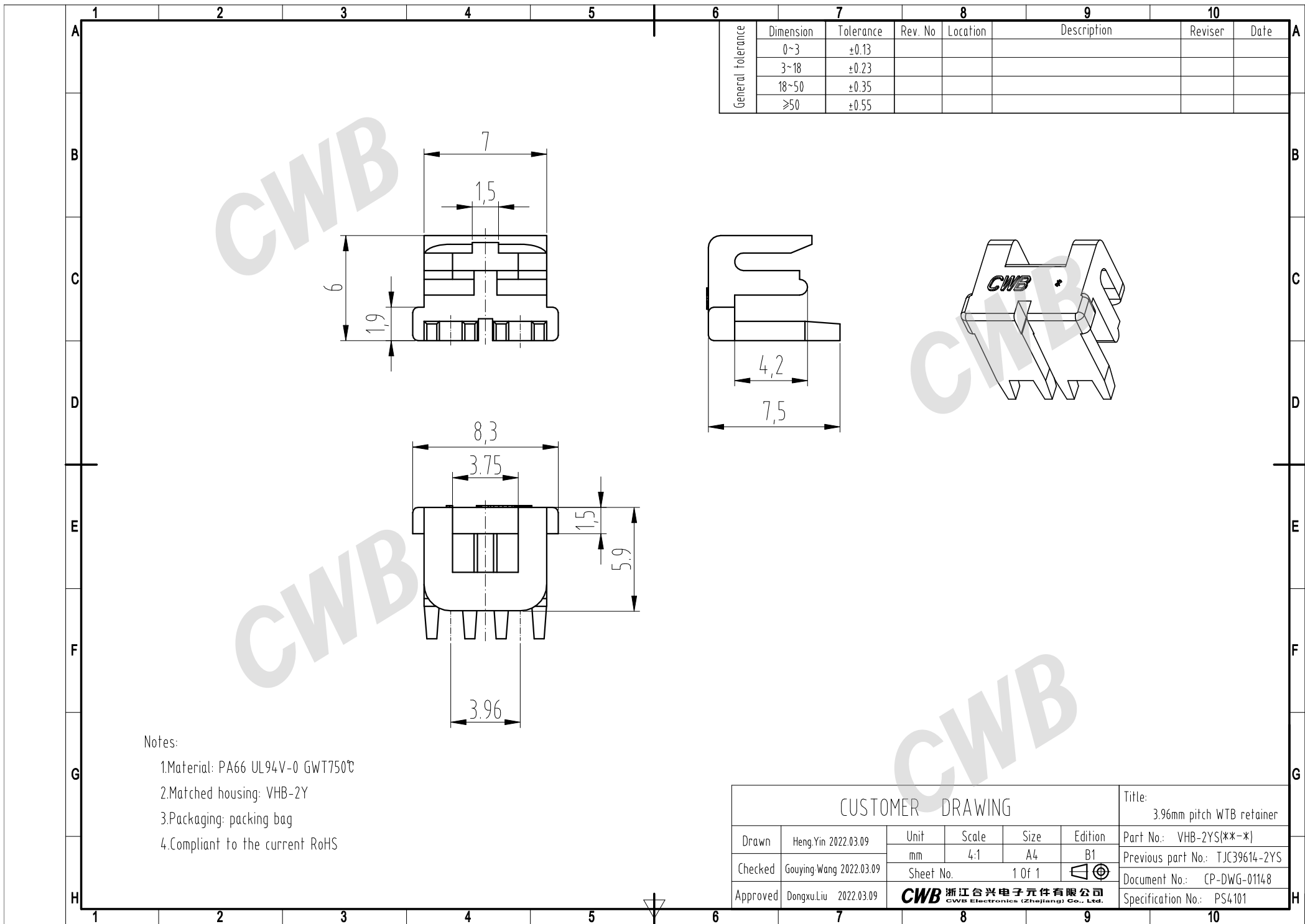
General tolerance	Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
	0~3	±0.13					
	3~18	±0.23					
	18~50	±0.35					
	≥50	±0.55					

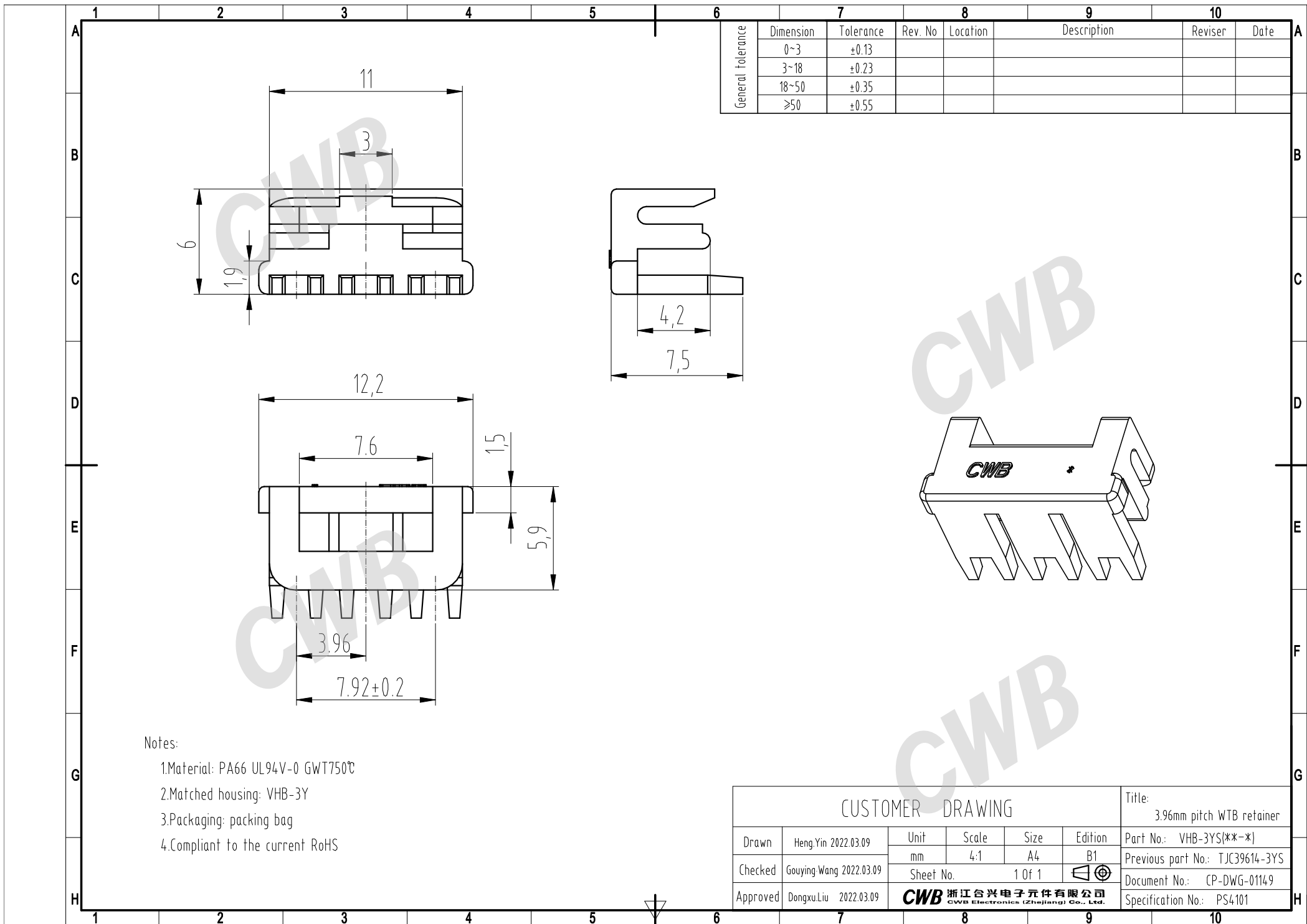


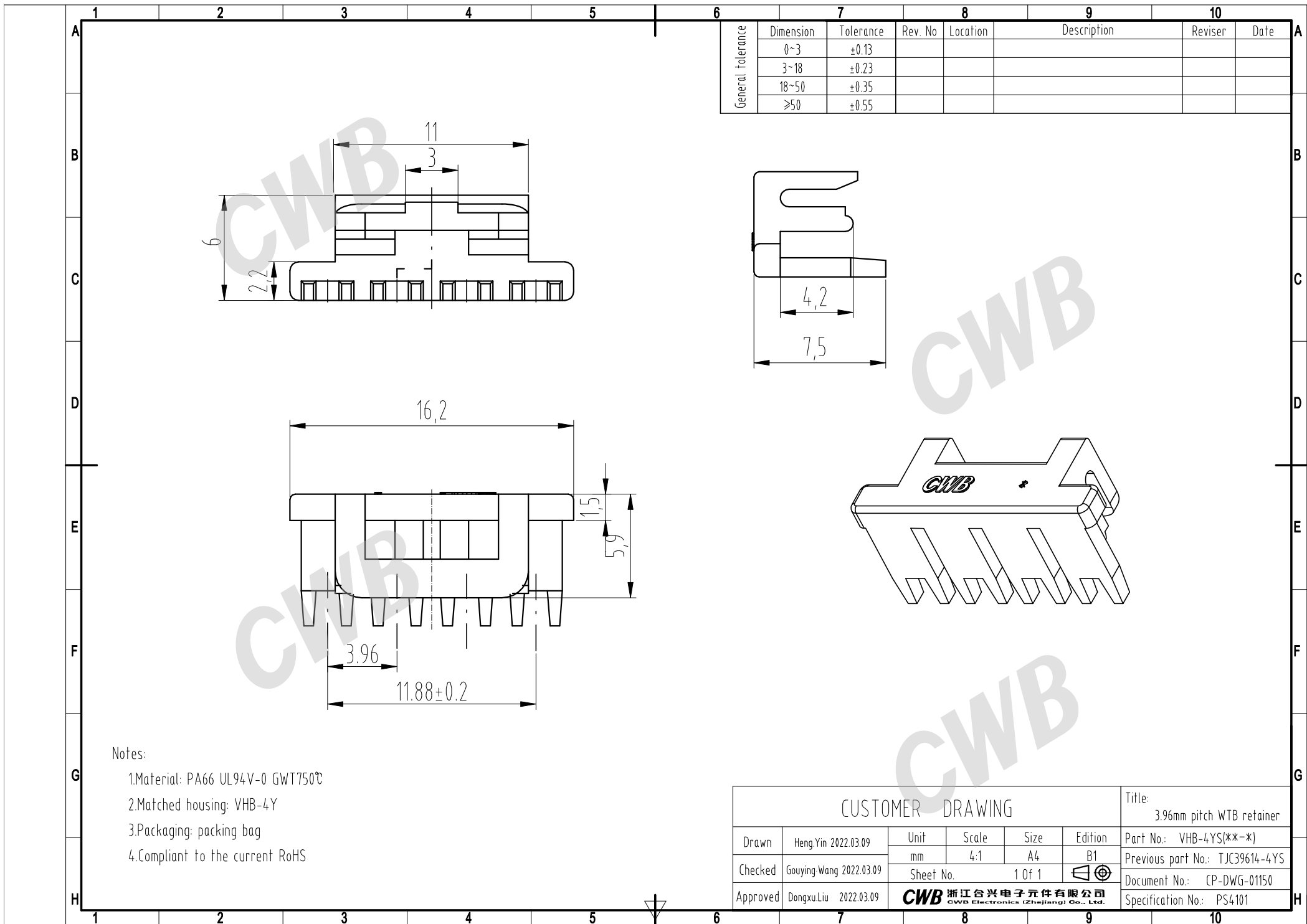
- Notes:
- 1.Material: PA66 UL94 V-0 GWT750℃
 - 2.Matched contact: CH-VHC
 - 3.Matched header: VH series header
 - 4.Matched retainer: VHD-5YS
 - 3.Packaging: packing bag
 - 4.Compliant to the current RoHS

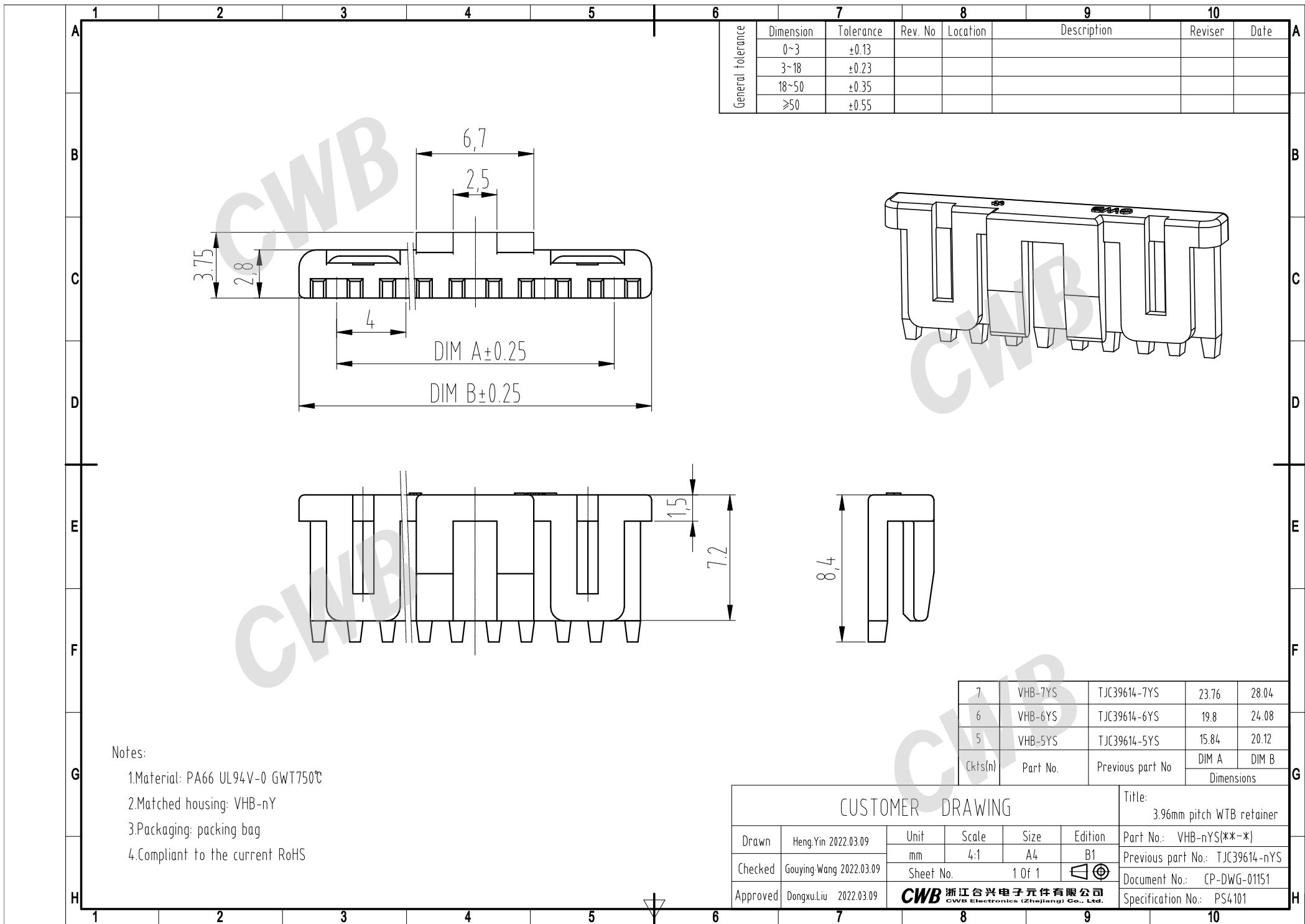
CUSTOMER DRAWING						Title: 3.96mm pitch WTB housing	
Drawn	Jiawei.Ni 2025.7.15	Unit	Scale	Size	Edition	Part No.: VHC-nY *(**~*)	Previous part No.: /
Checked	Qu-Wang 2025.7.15	mm	2.5:1	A4	B1	Document No.: CP-DWG-01902	Specification No.: PS4101
Approved	Dongxu.Liu 2025.7.15	Sheet No. 1 Of 1				CWB	



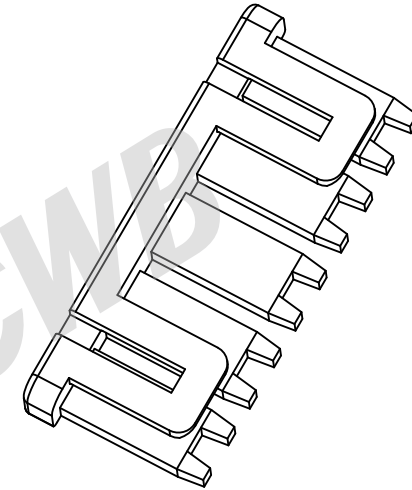
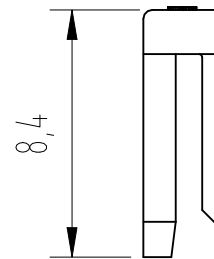
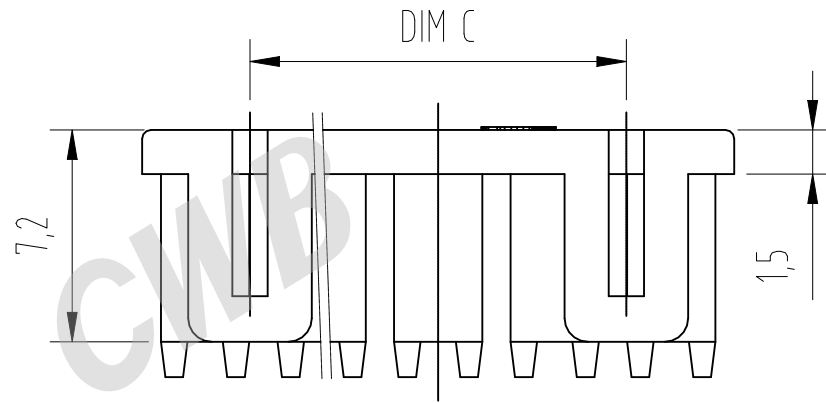
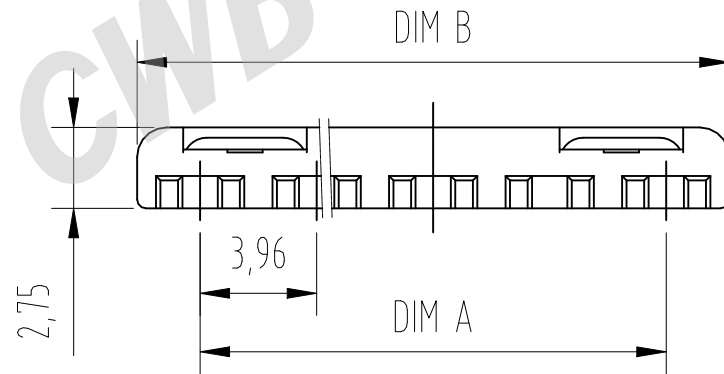








	1	2	3	4	5	6	7	8	9	10	
A											A
	General tolerance		Dimension	Tolerance	Rev. No	Location	Description			Reviser	Date
			0~3	±0.13							
			3~18	±0.23							
			18~50	±0.35							
			≥50	±0.55							



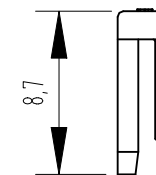
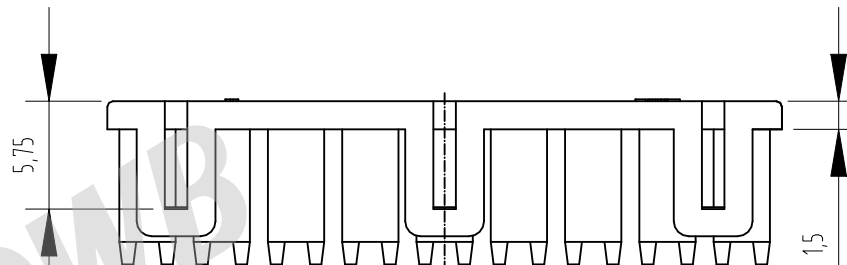
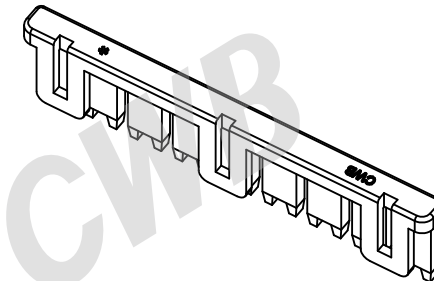
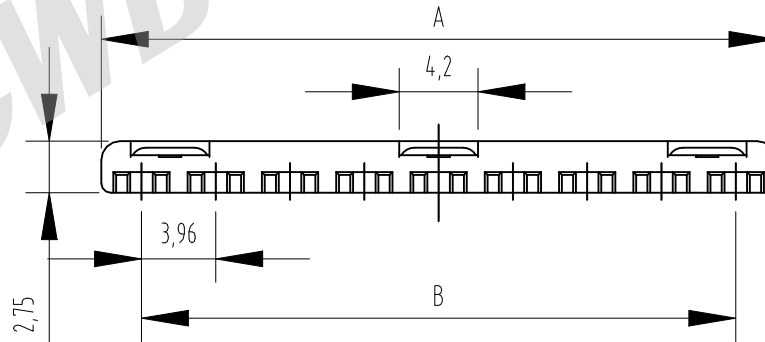
Notes:

- 1.Material: PA66 UL94 V-0 GWT750℃
- 2.Matched housing: VHB-5Y/6Y
- 3.Packaging: packing bag
- 4.Compliant to the current RoHS

6	VHC-6YS	19.8	24.08	16.75
5	VHC-5YS	15.84	20.12	12.79
Ckts	Part No.	DIM A	DIM B	DIM C
Dimensions				

CUSTOMER DRAWING						Title: 3.96mm pitch WTB retainer	
Drawn	GaoJi.Wu 2024.11.27	Unit	Scale	Size	Edition	Part No.: VHC-nYS *(**~*)	
		mm	2.5:1	A4	B1	Previous part No.: /	
Checked	Qu.Wang 2024.11.27	Sheet No.		1 Of 1		Document No.: CP-DWG-01833	
Approved	Dongxu.Liu 2024.11.27	CWB 浙江合兴电子元件有限公司		CWB Electronics (Zhejiang) Co., Ltd.		Specification No.: PS4101	

	1	2	3	4	5	6	7	8	9	10				
A						General Tolerance	Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date	A
							0~3	±0.13						
							3~18	±0.23						
							18~50	±0.35						
							≥50	±0.55						



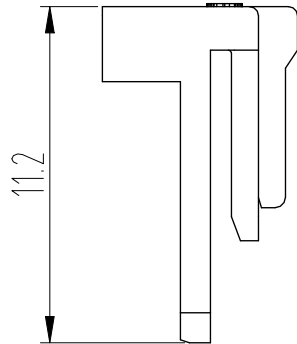
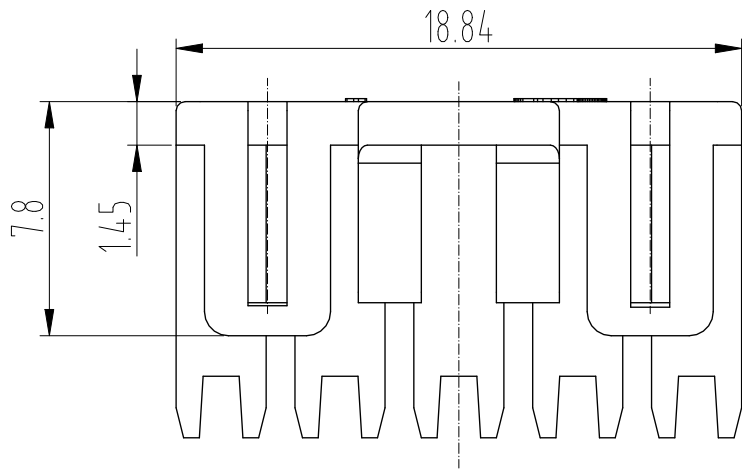
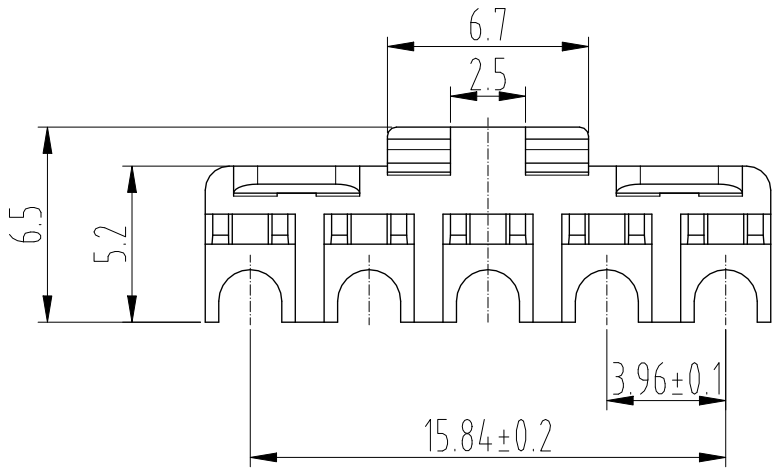
Notes:

- 1.Material: PA66 UL94 V-0 GWT750℃
- 2.Matched housing: VHB-nY
- 3.Packaging: packing bag
- 4.Compliant to the current RoHS

9	VHB-9YS	35.96	31.68
8	VHB-8YS	32.00	27.72
Ckts	Part No.	A	B
		Dimensions	

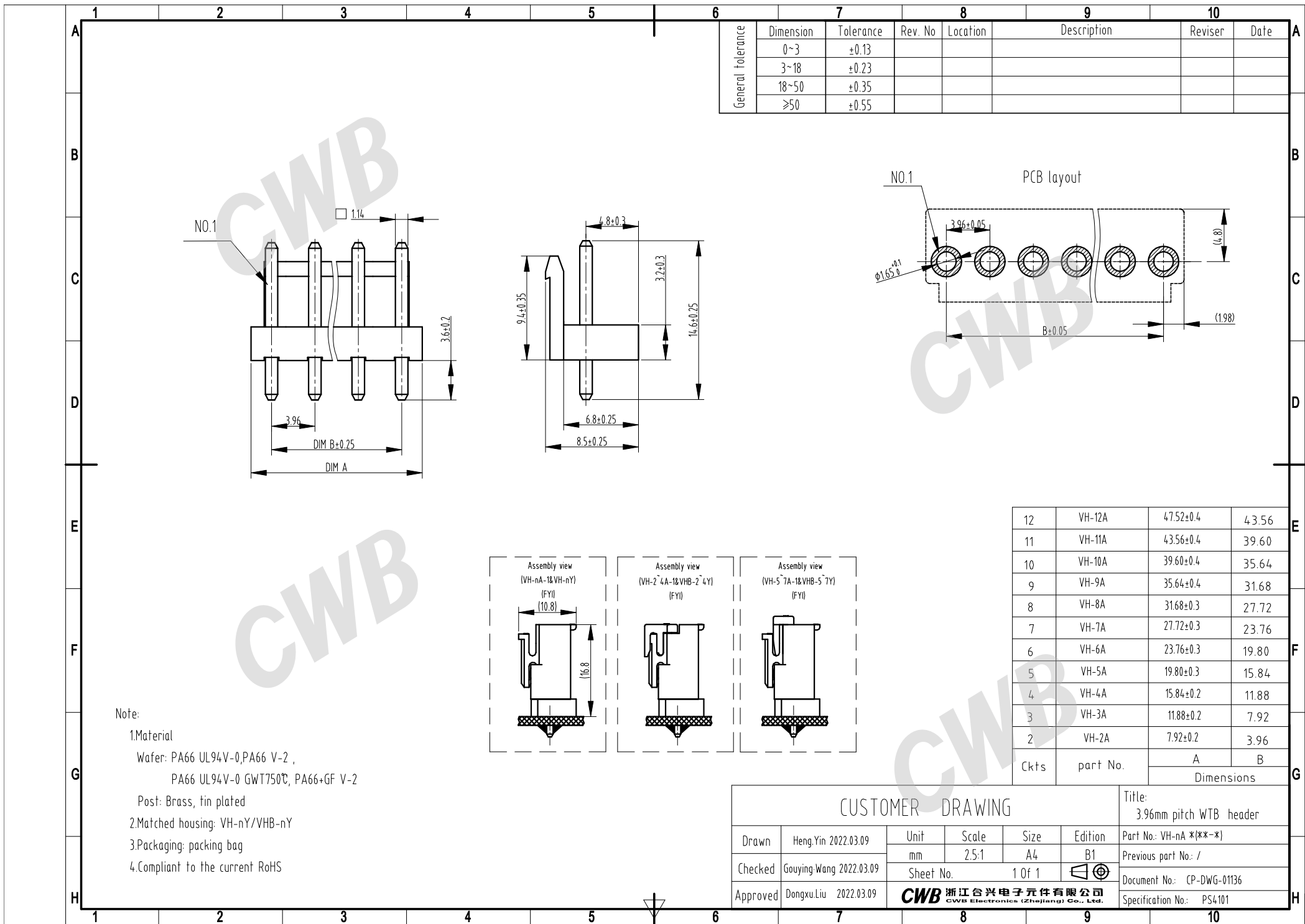
CUSTOMER DRAWING						Title:	
Drawn	Jigao.Wu 2024.07.16	Unit	Scale	Size	Edition	3.96mm pitch WTB retainer	
Checked	Qu.Wang 2024.07.16	mm	2.5:1	A4	B	Part No.: VHB-9YS *((*)-*)	
		Sheet No. 1 Of 1				Previous part No.: /	
Approved	Dongxu.Liu 2024.07.16					Document No.: CP-DWG-01800	
						Specification No.: PS4101	

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					

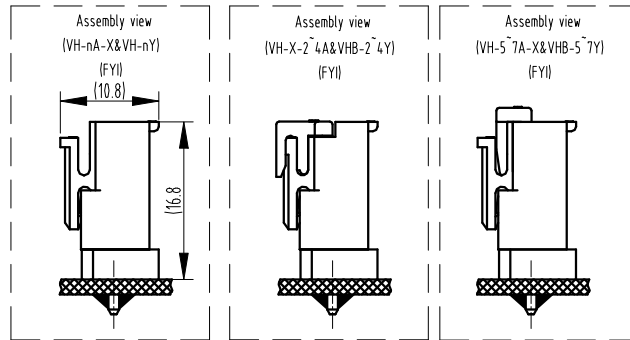
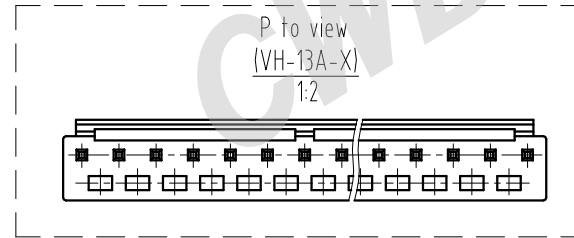
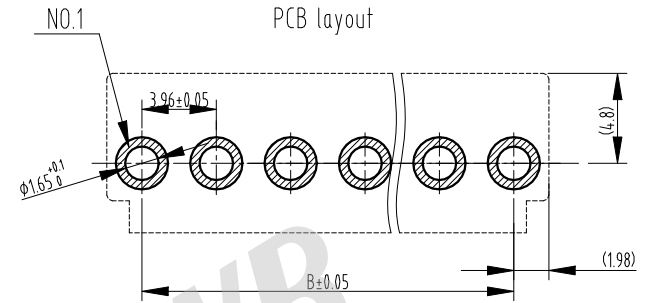
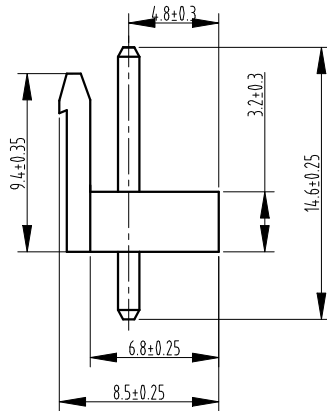
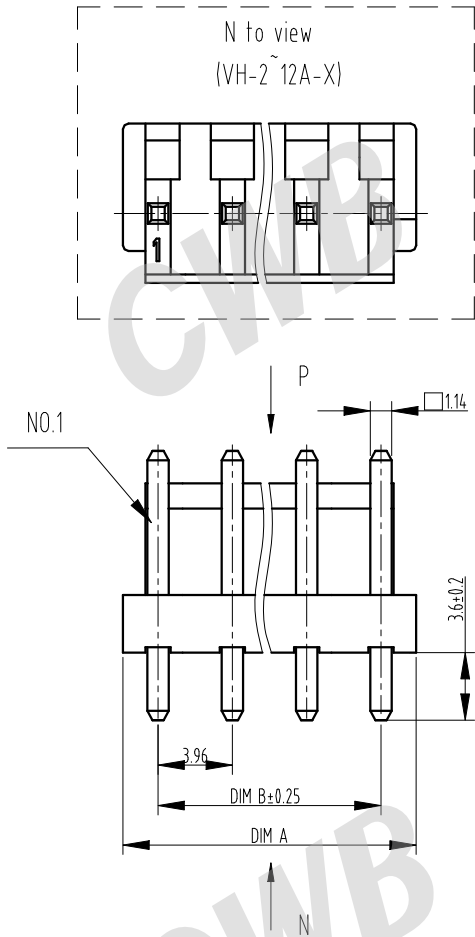


- Notes:
- 1.Material: PA66 UL94V-0 GWT750℃
 - 2.Matched housing: VHC-5Y
 - 3.Packaging: packing bag
 - 4.Compliant to the current RoHS

CUSTOMER DRAWING						Title: 3.96mm pitch WTB retainer	
Drawn	Jiawei.Ni 2025.07.15	Unit	Scale	Size	Edition	Part No.: VHC-5YS*(**~*)	
		mm	4:1	A4	B1	Previous part No.: /	
Checked	Qu.Wang 2025.07.15	Sheet No.		1 Of 1		Document No.: CP-DWG-01903	
Approved	Dongxu.Liu 2025.07.15	CWB				Specification No.: PS4101	



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					



13	VH-13A-X	51.48±0.5	47.52
12	VH-12A-X	47.52±0.4	43.56
11	VH-11A-X	43.56±0.4	39.60
10	VH-10A-X	39.60±0.4	35.64
9	VH-9A-X	35.64±0.4	31.68
8	VH-8A-X	31.68±0.3	27.72
7	VH-7A-X	27.72±0.3	23.76
6	VH-6A-X	23.76±0.3	19.80
5	VH-5A-X	19.80±0.3	15.84
4	VH-4A-X	15.84±0.2	11.88
3	VH-3A-X	11.88±0.2	7.92
2	VH-2A-X	7.92±0.2	3.96
Ckts	Part No.	A	B
		Dimensions	

Note:

1.Material

Wafer: PA66 UL94V-0, PA66 V-2 ,
PA66 UL94V-0 GWT750℃, PA66+GF V-2

Post: Brass, tin plated

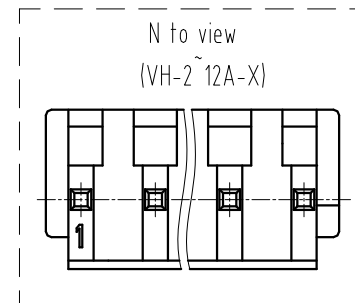
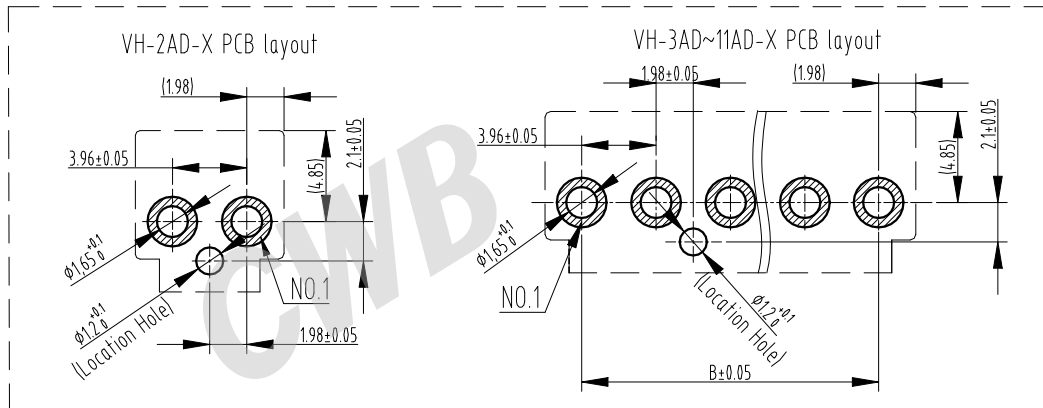
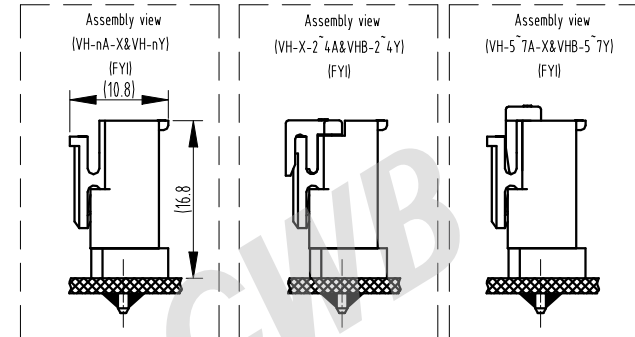
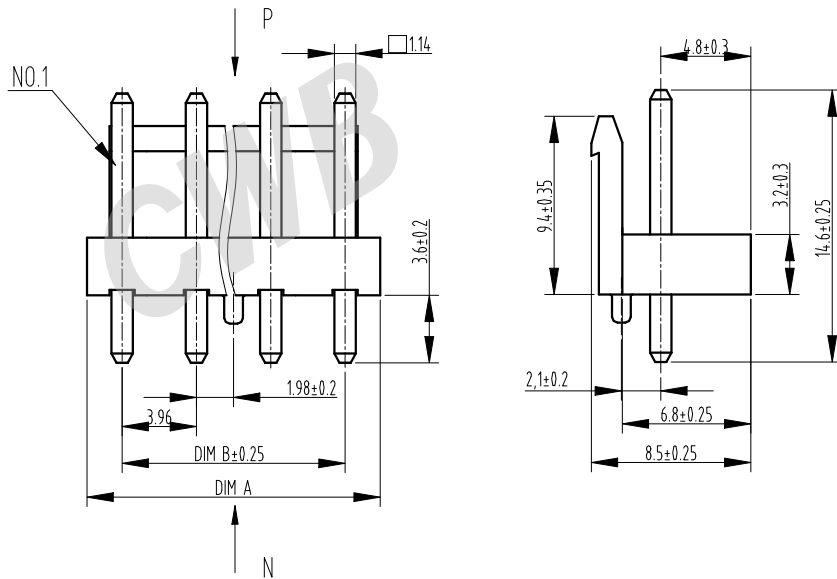
2.Matched housing: VH-nY/VHB-nY/TJC79204-2Y/
TJC79205-2Y

3.Packaging: packing bag

4.Compliant to the current RoHS

CUSTOMER DRAWING						Title: 3.96mm pitch WTB header	
Drawn	Heng.Yin 2022.03.09	Unit	Scale	Size	Edition	Part No.: VH-nA-X *(**~*)	
Checked	Gouying.Wang 2022.03.09	mm	2.5:1	A4	B1	Previous part No.: /	
		Sheet No. 1 Of 1				Document No.: CP-DWG-01137	
Approved	Dongxu.Liu 2022.03.09					Specification No.: PS4101	

		1	2	3	4	5	6	7	8	9	10		
General Tolerance	Dimension											Reviser	Date
	Tolerance												
	Rev. No												
	Location												
		Description											



Note:

1.Material

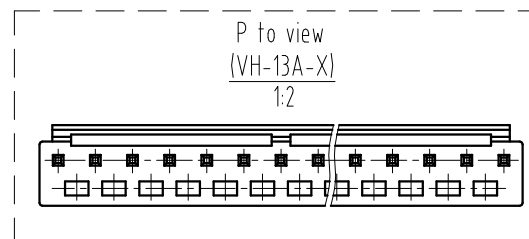
Wafer: PA66 UL94V-0, PA66 V-2 ,
PA66 UL94V-0 GWT750℃, PA66+GF V-2

Post: Brass, tin plated

2.Matched housing: VH-nY/VHB-nY/TJC79204-2Y/
TJC79205-2Y

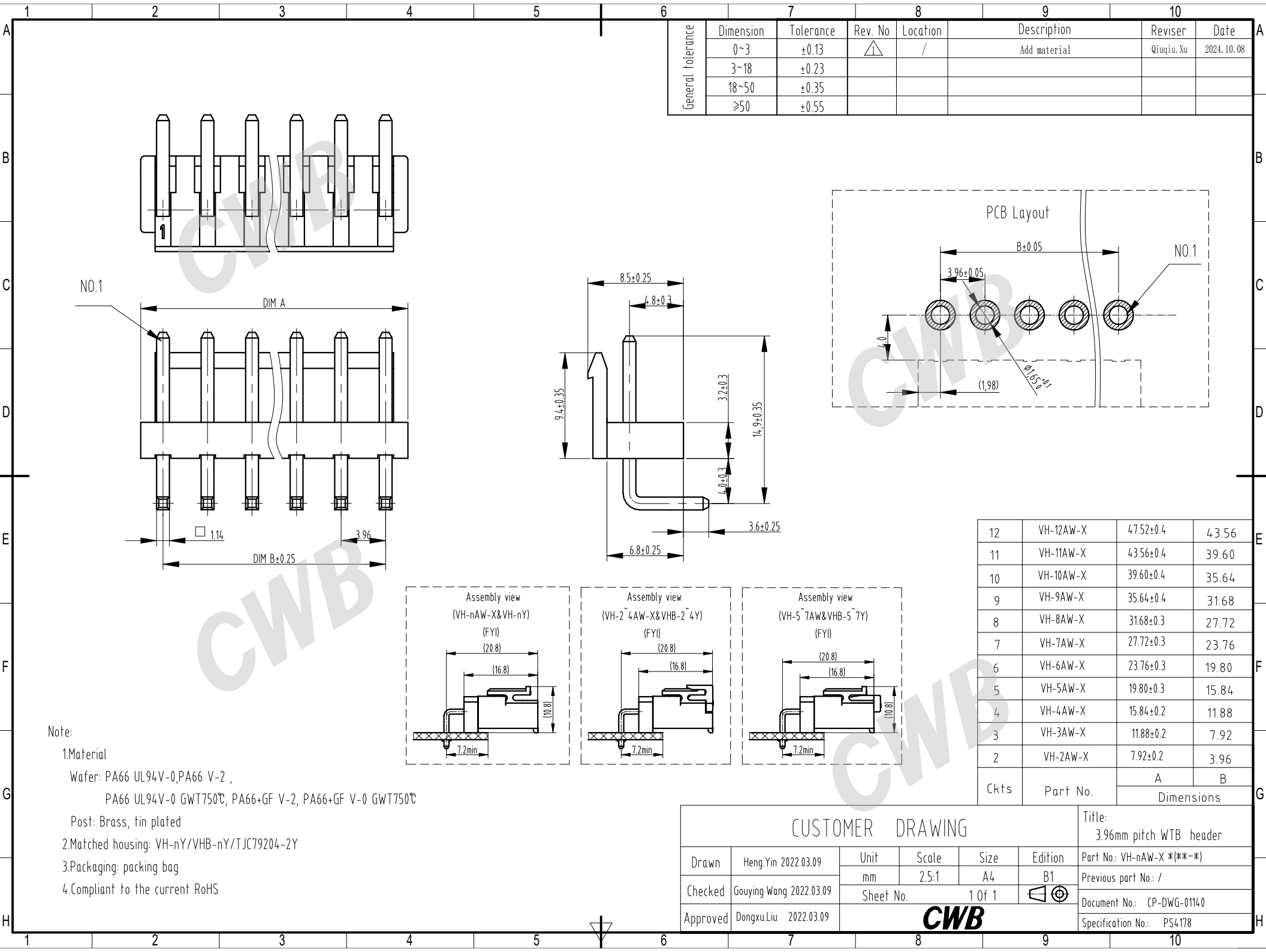
3.Packaging: packing bag

4.Compliant to the current RoHS

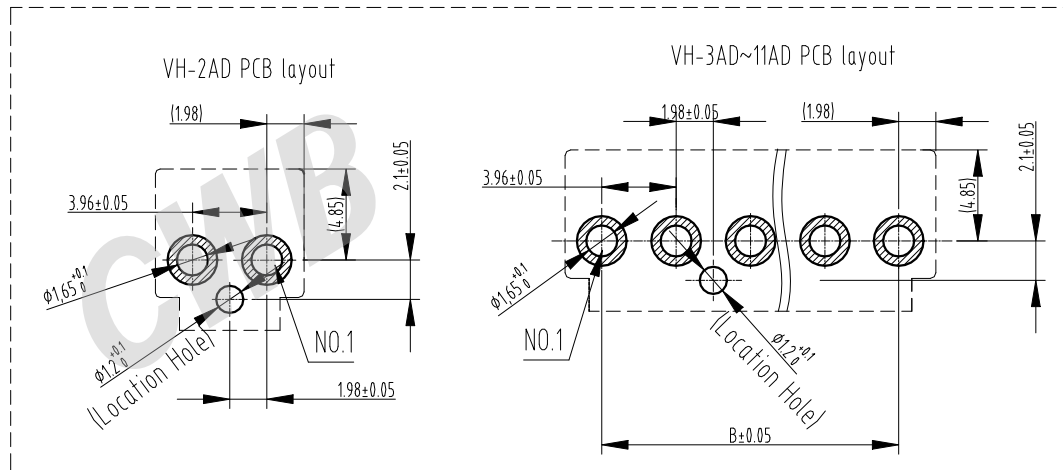
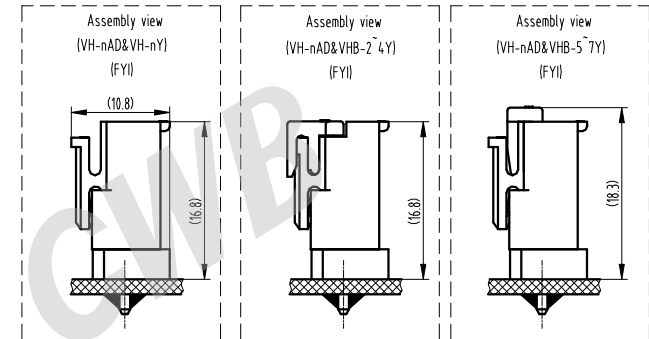
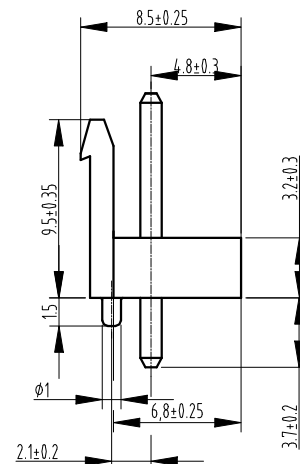
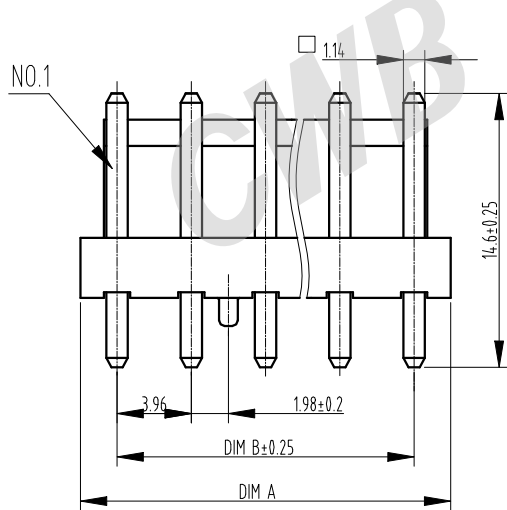


11	VH-11AD-X	4356±0.4	39.60
Ckts	Part No.	A	B
Dimensions			

CUSTOMER DRAWING						Title: 3.96mm pitch WTB header
Drawn	JiGao.Wu 2025.03.08	Unit	Scale	Size	Edition	Part No.: VH-nAD-X *(**~*)
Checked	Qu.Wang 2025.03.08	mm	2.5:1	A4	B0	Previous part No.: /
		Sheet No. 1 Of 1				Document No.: CP-DWG-01860
Approved	Dongxu.Liu 2025.03.08	CWB				Specification No.: PS4101



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					



Note:

1.Material

Wafer: PA66 UL94V-2 , PA66 UL94V-0 GWT750℃

Post: Brass, tin plated

2.Matched housing: VH-nY/VHB-nY/TJC79204-2Y/
TJC79205-2Y

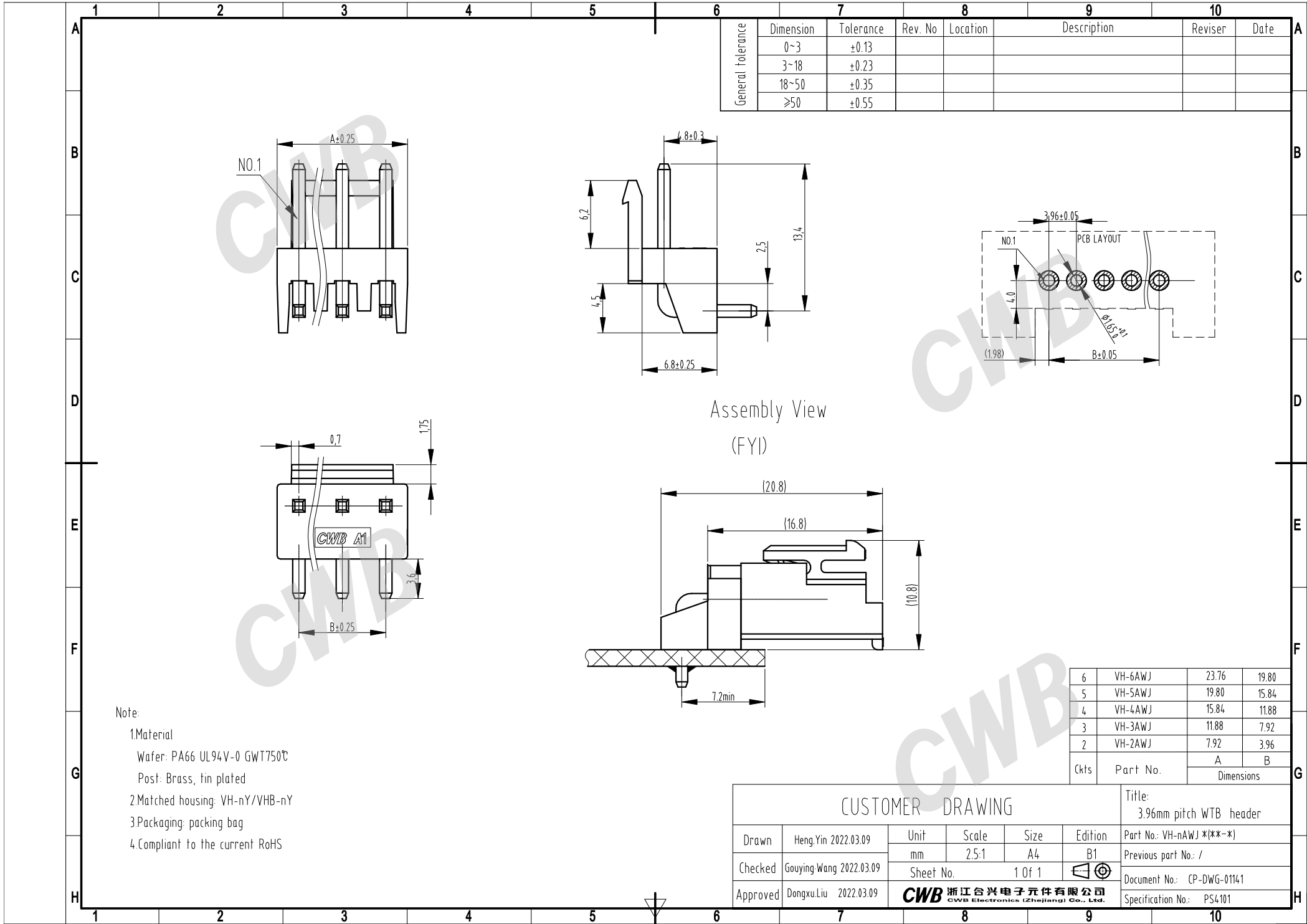
3.Packaging: packing bag

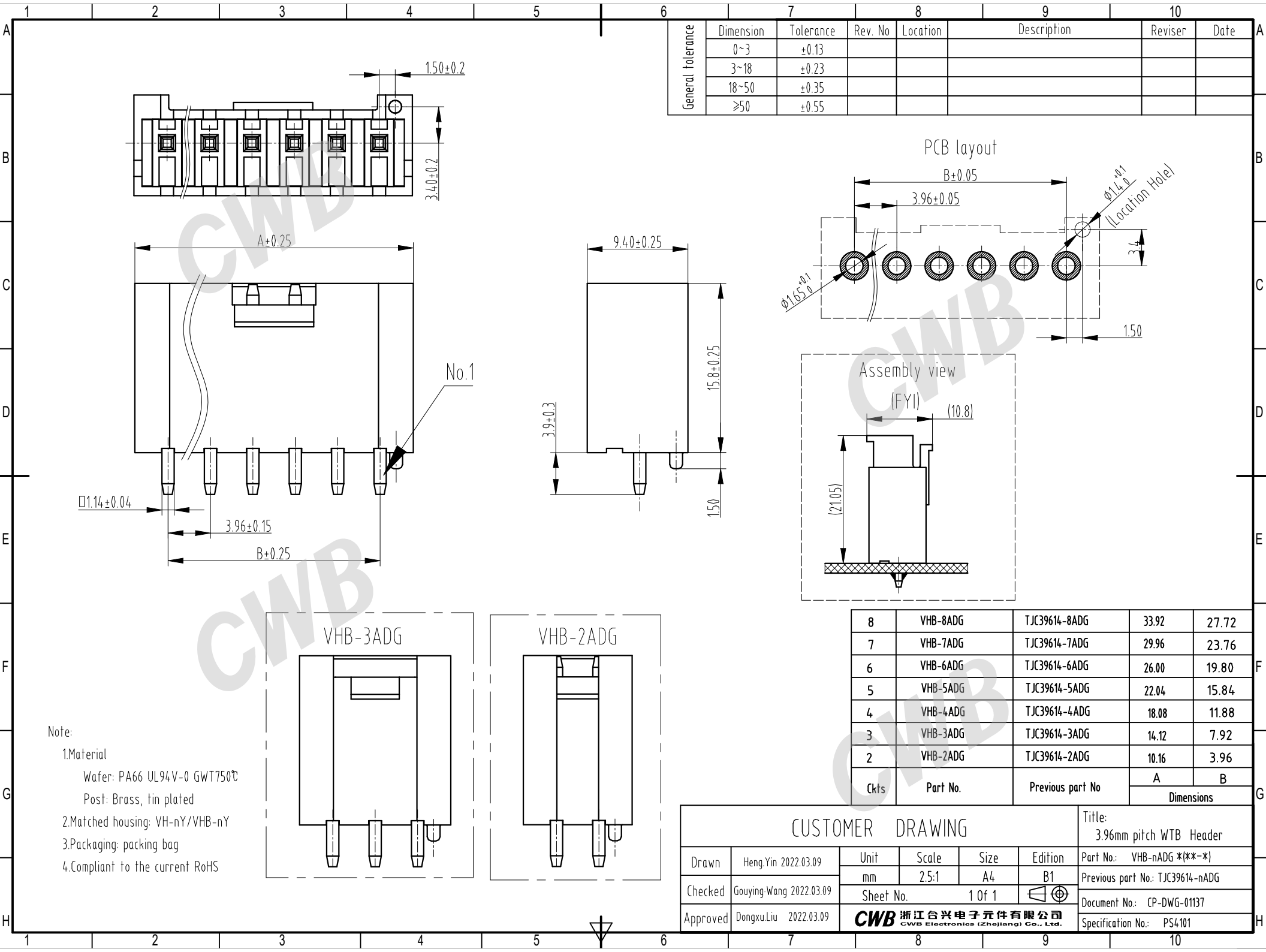
4.Compliant to the current RoHS

11	VH-11AD	43.56±0.4	39.60
10	VH-10AD	39.60±0.4	35.64
9	VH-9AD	35.64±0.4	31.68
8	VH-8AD	31.68±0.3	27.72
7	VH-7AD	27.72±0.3	23.76
6	VH-6AD	23.76±0.3	19.80
5	VH-5AD	19.80±0.3	15.84
4	VH-4AD	15.84±0.2	11.88
3	VH-3AD	11.88±0.2	7.92
2	VH-2AD	7.92±0.2	3.96
Ckts	Part No	Dimensions	
		A	B

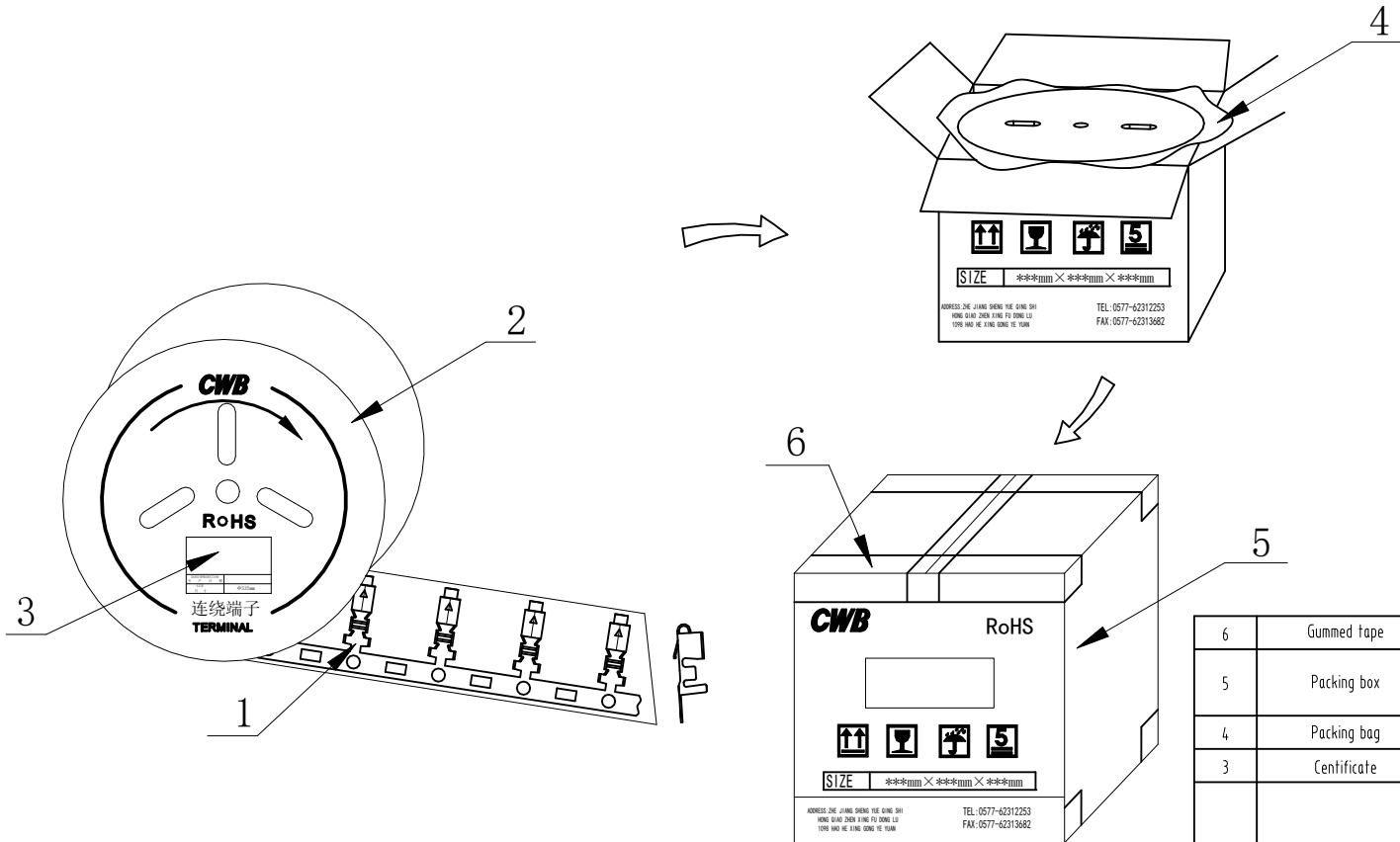
CUSTOMER DRAWING						Title: 3.96mm pitch WTB header	
Drawn	Heng.Yin 2022.03.09	Unit	Scale	Size	Edition	Part No.: VH-nAD *(**~*)	
Checked	Gouying.Wang 2022.03.09	mm	2.5:1	A4	B	Previous part No.: /	
		Sheet No. 1 Of 1				Document No.: CP-DWG-01138	
Approved	Dongxu.Liu 2022.03.09	CWB				Specification No.: PS4179	

CWB





General	Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
	0~3	±0.13	△		update model	Jiawei.Ni	2025.7.15
	3~18	±0.23	△		update model	JiGao.Wu	2025.7.28
	18~50	±0.35					
	50~120	±0.55					



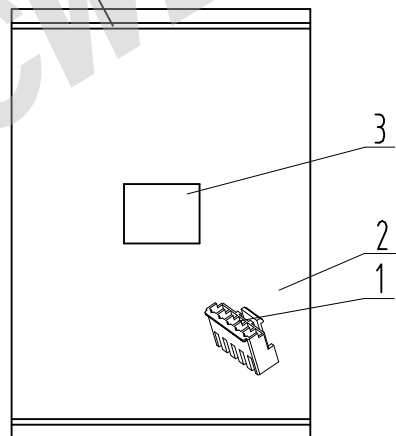
6	Gummed tape		
5	Packing box		
4	Packing bag		
3	Certificate		
2	Reel	CH-VHC-**-**	3Kpcs/reel
		CH-VH-**/CH-VH-3-** /CH-VH-4-**/CH-VH-1-** △/CH-VH-5-**	3.5Kpcs/reel
		CH-VHB-**	3.3Kpcs/reel
1	CH-VH(B) series Contact		
Number	Designation	Remarks	

CUSTOMER DRAWING						Title:
Drawn	HengYin 2022.02.24	Unit	Scale	Size	Edition	Part No.: CH-VH(*)-**-** series contact
Checked	Gouying.Wang 2022.02.24	mm	/	A4	B2	Previous part No.: CH-VH series contact
Approved	Dongxu.Liu 2022.02.25	Sheet No.	1 Of 1			Document No.: BZ-DWG-00654
						Specification No.: PS4101

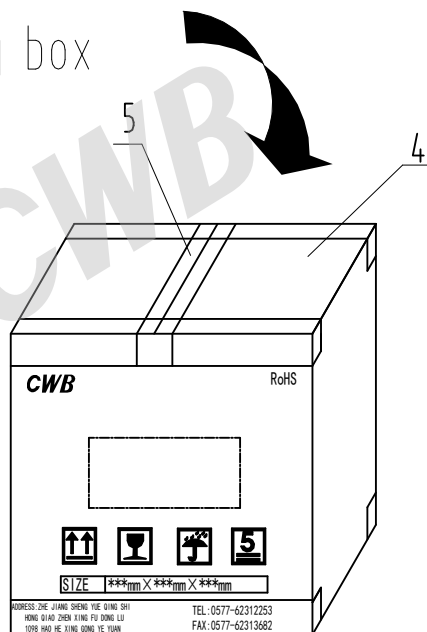
CWB

Packing bag

Sealed



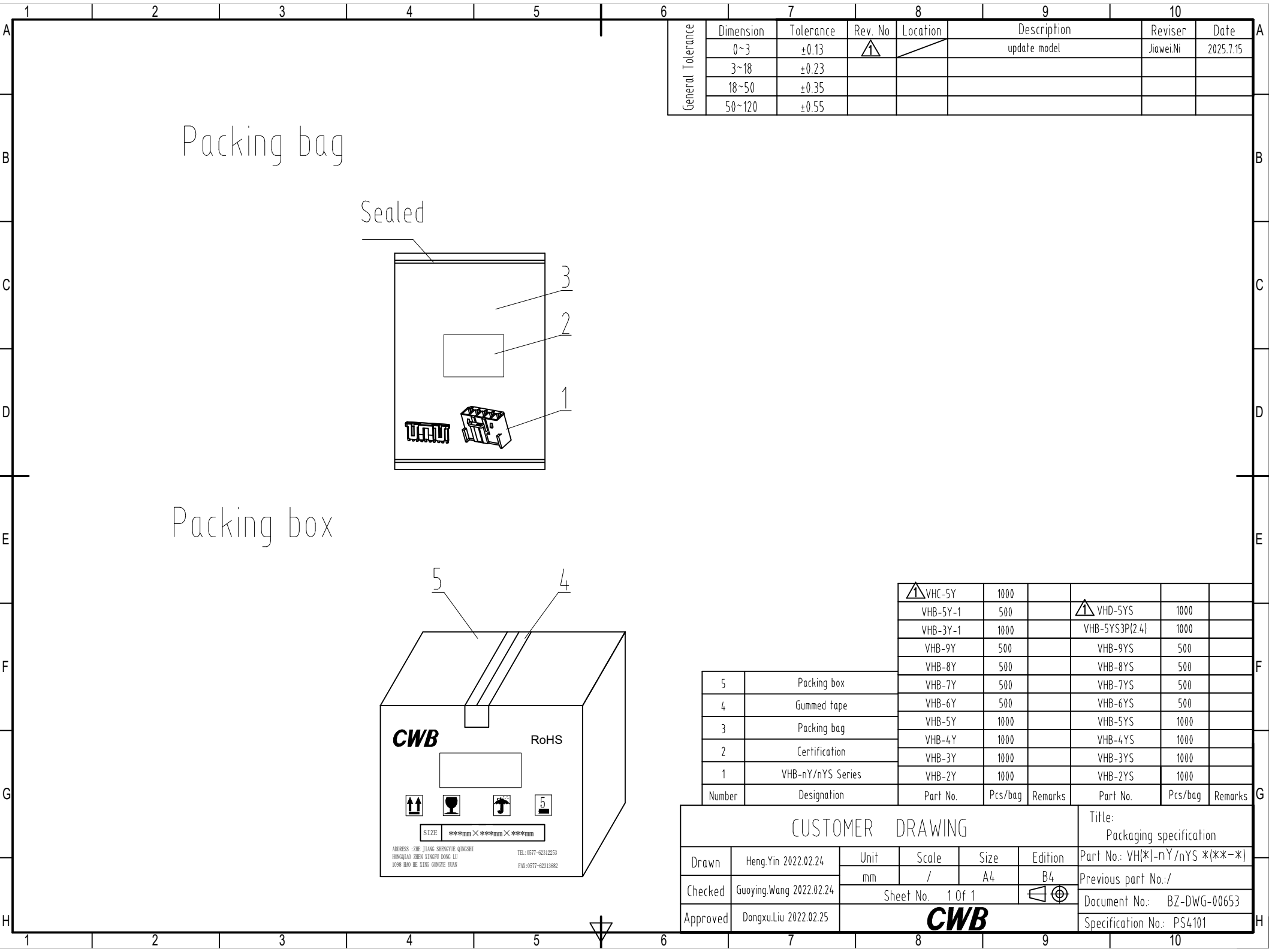
Packing box



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

5	Gummed tape	VH-15Y	200	
4	Packing box	VH-13Y	200	
3	Certificate	VH-12Y	200	
2	Packing bag	VH-11Y	500	
1	VH-nY/VH-nY-1 series housing	VH-10Y	500	
		VH-9Y	500	
		VH-8Y	500	
		VH-7Y	500	
		VH-6Y	500	
		VH-5Y	1000	
		VH-4Y	1000	
		VH-3Y	1000	
		VH-2Y	1000	
Number	Designation	Part No.	Pcs/bag	Remarks

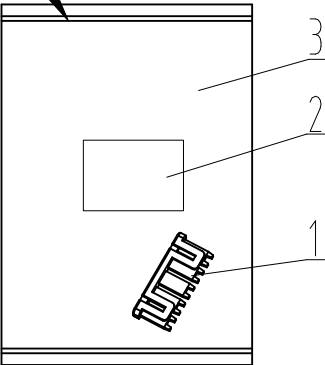
CUSTOMER DRAWING						Title: Packaging specification	
Drawn	Heng.Yin 2022.02.24	Unit	Scale	Size	Edition	Part No.: VH-nY/VH-nY-1*(**~*)	
Checked	Qu.Wang 2022.02.24	mm	/	A4	B1	Previous Part No.:VH-nY/VH-nY-1	
		Sheet No.		1 Of 1			
Approved	Dongxu.Liu 2022.02.25	CWB 浙江合兴电子元件有限公司 CWB Electronics (Zhejiang) Co., Ltd.				Document No.: BZ-DWG-00651 Specification No.: PS4101	



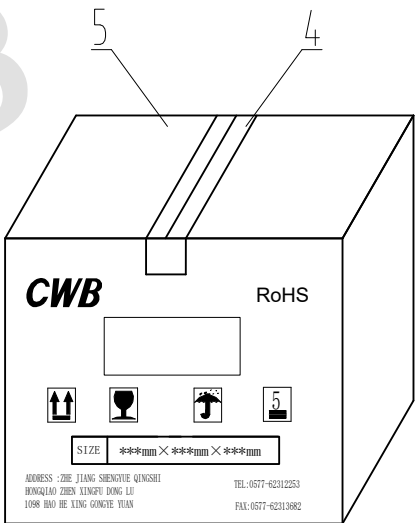
General Tolerance	Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
	0~3	±0.13					
	3~18	±0.23					
	18~50	±0.35					
	50~120	±0.55					

Packing bag

Sealed



Packing box



5	Packing box			
4	Gummed tape			
3	Packing bag			
2	Certification	VHC-6YS	1000	
1	VHC-nYS Series	VHC-5YS	1000	
Number	Designation	Part No.	Pcs/bag	Remarks

CUSTOMER DRAWING						Title: Packaging specification	
Drawn	JiGao.Wu 2024.12.07	Unit	Scale	Size	Edition	Part No.: VHC-nYS *(**~*)	
		mm	/	A4	B	Previous part No.:/	
Checked	Qu.Wang 2024.12.07	Sheet No. 1 Of 1				Document No.: BZ-DWG-00980	
Approved	Dongxu.Liu 2024.12.07	CWB				Specification No.: PS4101	

					General Tolerance	Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
						0~3	±0.13	①	10	Correct packaging quantity	JiGao.Wu	2024.4.18
						3~18	±0.23					
						18~50	±0.35					
						50~120	±0.55					

Packing bag

Sealed

3

2

1

Packing box

5

4

CWB

RoHS

SIZE ***X***X***

ADDRESS: ZHEJIANG SHENG YUE QING SHI
HONG QIAO ZHEN XING FU DONG LU
1000 HAO HE XING DONG YUE TIAN

TEL: 0577-62312253
FAX: 0577-62313682

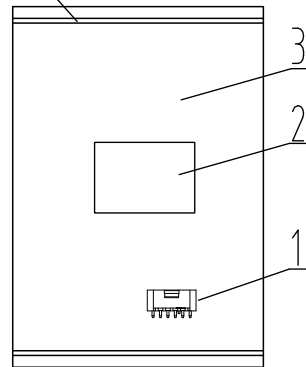
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	/	VH-12AW-X	/	VH-12A-X	VH-12A	200	300		
	/	VH-11AW-X	/			300	300		
VH-11AD-X	/		VH-11AD	VH-11A-X	VH-11A	500	300		
	/	VH-10AW-X	/	VH-10A-X	VH-10A	500	300		
	/	VH-9AW-X	/	/	/	500	500		
	/	VH-8AW-X	VH-9AD	VH-9A-X	VH-9A	500	500		
	/	VH-7AW-X	VH-8AD	VH-8A-X	VH-8A	500	500		
VH-6AWJ	VH-6AW-X	VH-7AD	VH-7A-X	VH-7A	500	500	200		
VH-5AWJ	VH-5AW-X	VH-6AD	VH-6A-X	VH-6A	500	500			
	/	/	VH-5AD	VH-5A-X	VH-5A	1000	1000		
VH-4AWJ	VH-4AW-X	VH-4AD	VH-4A-X	VH-4A	1000	1000			
VH-3AWJ	VH-3AW-X	VH-3AD	VH-3A-X	VH-3A	1000	1000			
VH-2AWJ	VH-2AW-X	VH-2AD	VH-2A-X	VH-2A	1000	1000			

5	Gummed tape	CUSTOMER DRAWING						Title: Packaging specification	
4	Packing box							Part No.: VH series header	
3	Certificate	Drawn	Heng.Yin 2022.02.24	Unit	Scale	Size	Edition	Part No.: VH series header	
2	Packing bag	Checked	Gouying.Wang 2022.02.24	mm	/	A4	B3	Previous part No.: /	
1	VH series Header	Approved	Dongxu.Liu 2022.02.25	Sheet No.		1 Of 1	Document No.: BZ-DWG-00650		
Number	Designation	CWB						Specification No.: PS4179	

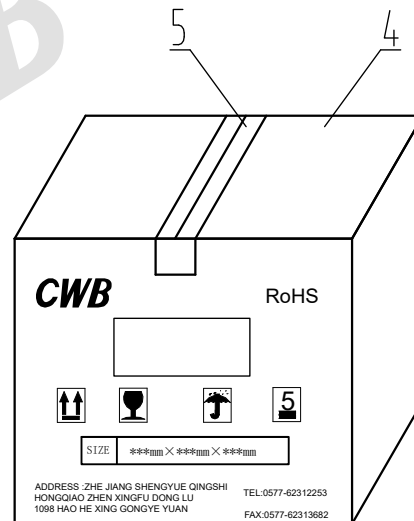
General Tolerance	Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
	0~3	±0.13					
	3~18	±0.23					
	18~50	±0.35					
	50~120	±0.55					

Packing bag

Sealed



Packing box



5	Gummed tape	VHB-8ADG	TJC39614-8ADG	500
		VHB-7ADG	TJC39614-7ADG	500
		VHB-6ADG	TJC39614-6ADG	500
		VHB-5ADG	TJC39614-5ADG	500
		VHB-4ADG	TJC39614-4ADG	500
4	Packing box	VHB-3ADG	TJC39614-3ADG	500
3	Packing bag	VHB-2ADG	TJC39614-2ADG	500
2	Certificate			
1	VHB series header			
Number	Designation	Part No.	Previous part No.	Pcs/bag

CUSTOMER DRAWING						Title: Packaging specification	
Drawn	Heng.Yin 2022.02.24	Unit	Scale	Size	Edition	Part No.: VHB-nADG *(**~*)	
Checked	Guoying.Wang 2022.02.24	mm	/	A4	B0	Previous part No.: TJC39614-nADG	
		Sheet No.		1 Of 1			
Approved	Dongxu.Liu 2022.02.25	CWB 浙江合兴电子元件有限公司 CWB Electronics (Zhejiang) Co., Ltd.				Document No.: BZ-DWG-00652	
						Specification No.: PS4179	

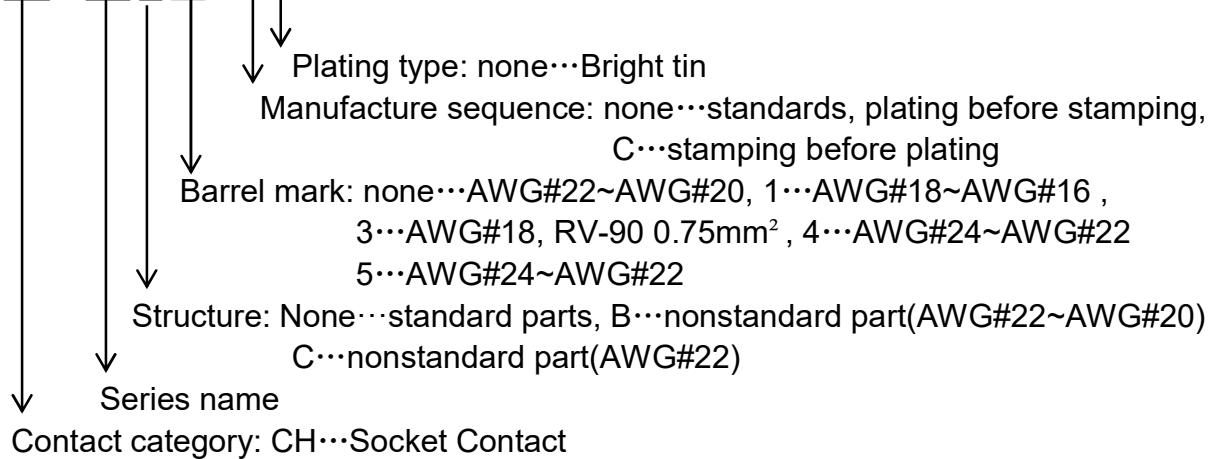
VH 系列命名规则

VH series naming conventions

1. Contact

CH-VH-*-*

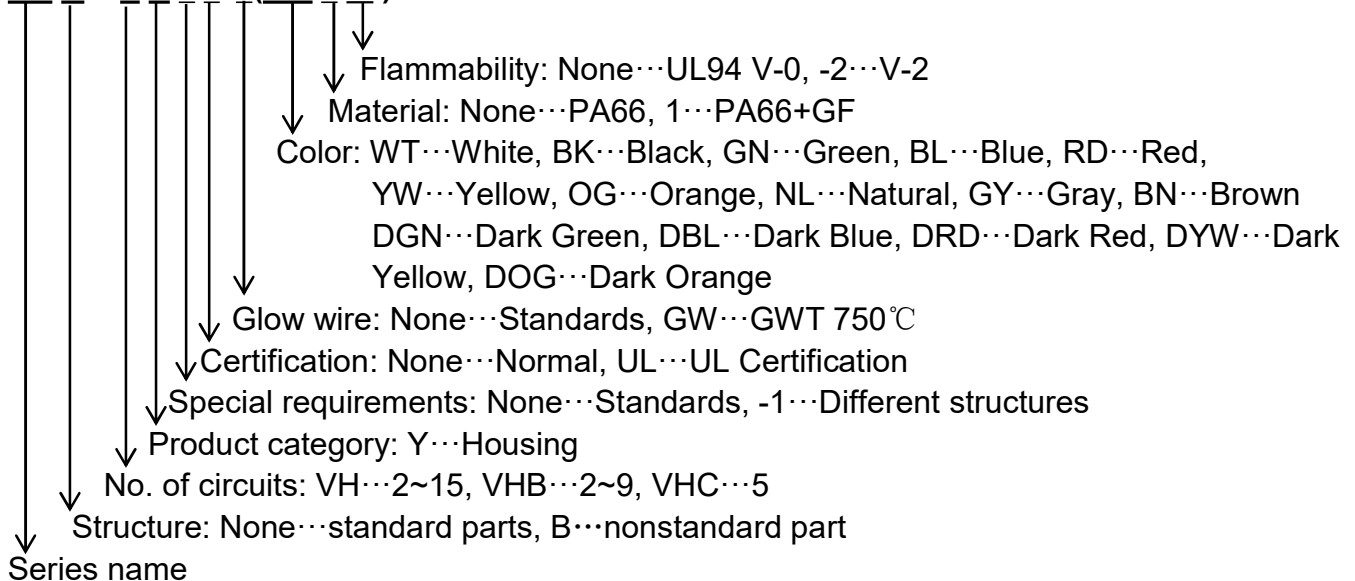
CH - VH B - * - * *



2. Housing

VH-nY *(***)、VHB-nY-* *(***)、VHC-nY-* *(***)

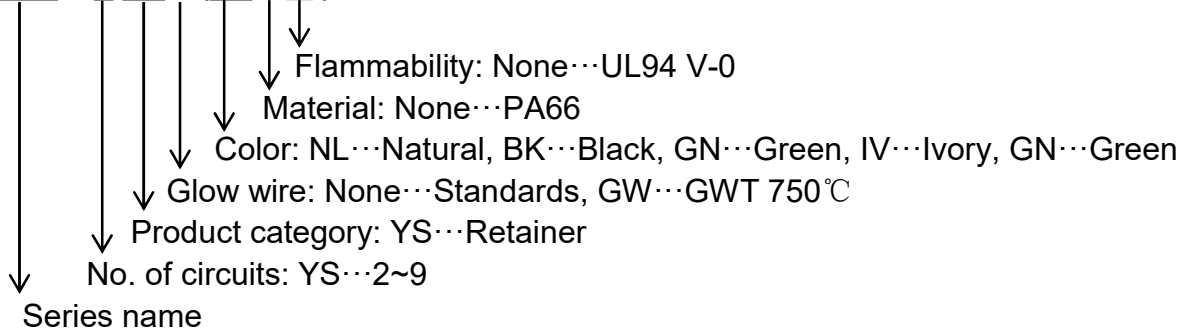
VH B - n Y * * * (WT * - *)



3. Retainer

VHB -nYS (-*)**

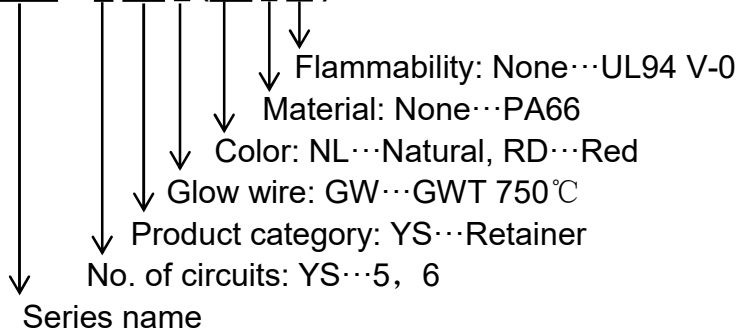
VHB - n YS * (NL * -*)



4. Retainer

VHC -nYS (-*)**

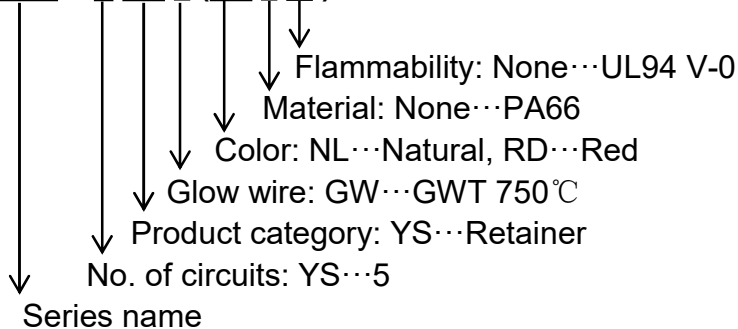
VHC - n YS * (NL * -*)



5. Retainer

VHD -nYS (-*)**

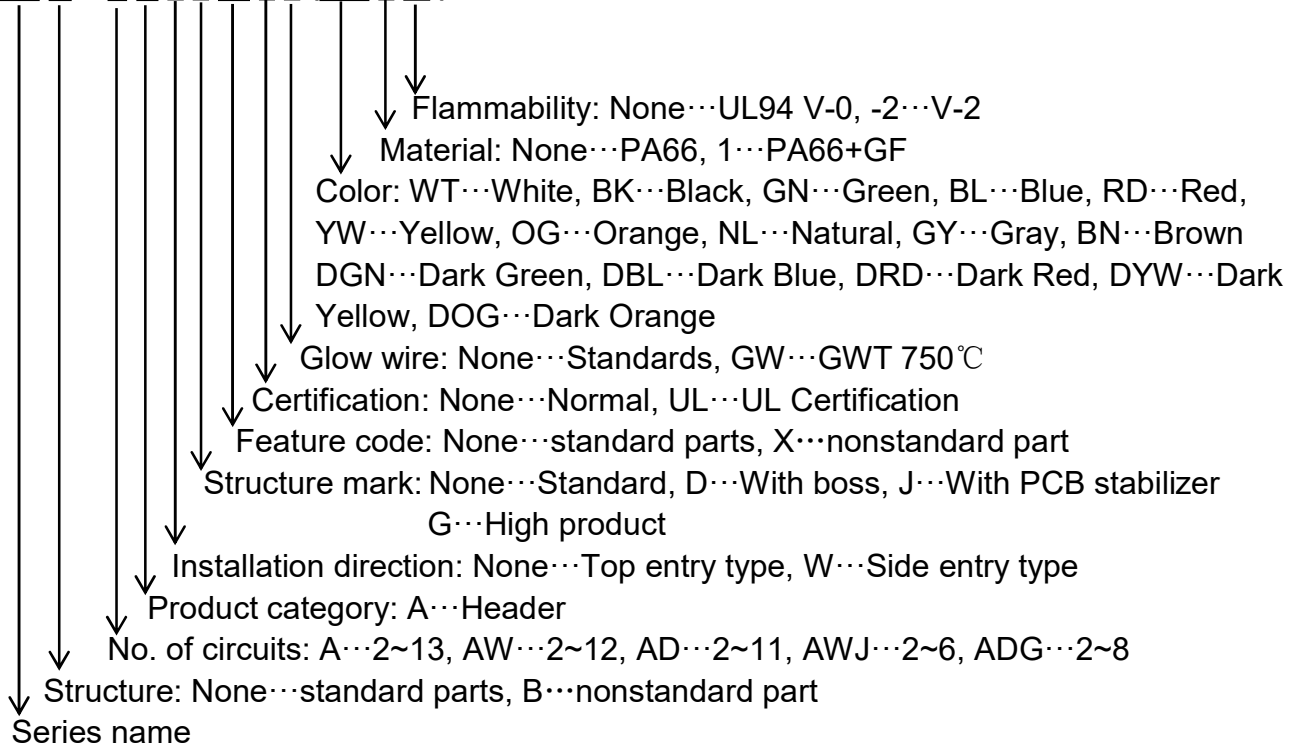
VHD - n YS * (NL * -*)



6. DIP Header

VH-nA (**-*), VH-nA-X (**-*), VH-nAW-X (**-*), VH-nAD (**-*), VH-nAD-X (**-*), VH-nAWJ (**-*), VHB-nADG * (**-*)

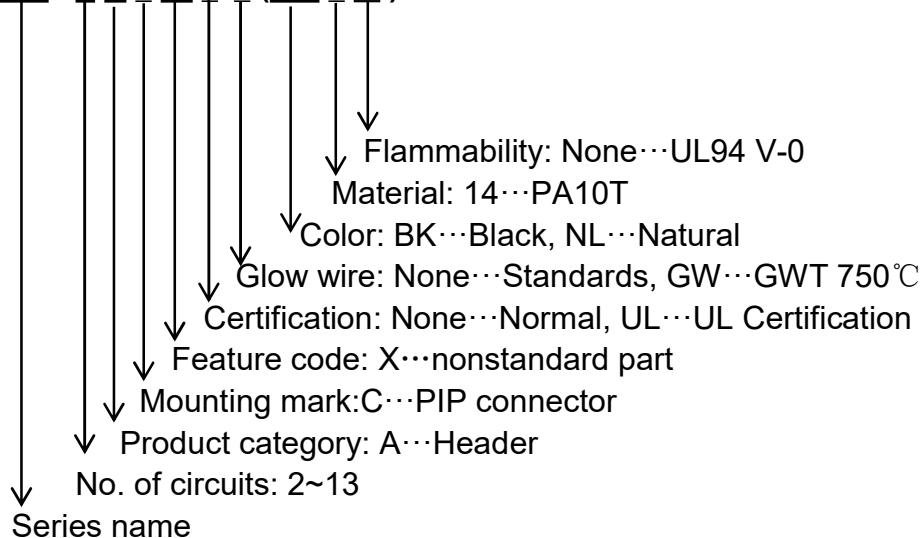
VH B - n A * * - X * * (WT * - *)



7. PIP Header

VH-nAC-X (**-*)

VH - n A C - X * * (WT * - *)



VH-nAmZ(a.b...) *(*-*), VH-nAmZ(a.b...)-X *(*-*), VH-nADmZ(a.b...)-X *(*-*),
VH-nAWmZ(a.b...)-X *(*-*), VH-nADmZ(a.b...) *(*-*), VH-nAWJmZ(a.b...) *(*-*),
VHB-nADGZ(a.b...) *(*-*), VH-nACmZ(a.b...) -X *(*-*), VHB-5YS3P(a.b...)

↓ Product category: A...Header, YS...Retainer

Part No.	Circuit No.														
	○:with post; ×:without post														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
…13A … 7Z(2.3.5.7.9.11)…	○	×	×	○	×	○	×	○	×	○	×	○	○		
…4A … 3Z(2)…	○	×	○	○											
*****	*****														