



产品规格书

PRODUCT SPECIFICATION

产品描述: ZH 系列连接器

Product Description: ZH Connector

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 浙江台兴电子元件有限公司 CWB Electronics (Zhejiang) Co., Ltd.	制定 Edit: 谷瑞文 2018.6.10	产品名称 Product Name: <u>ZH</u>
	审核 Check: 王国英 2018.6.10	编号 Document No.: <u>PS3984</u>
	批准 Approval: 刘冬旭 2018.7.5	版本 REVISION: <u>2</u>

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1. 更改履历 Change History

序号 No.:	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
1	1	PS0070/PS0933/PS0075/PS0627/PS3728/PS3671 /PS0033/PS0070	PS3984	谷瑞文
2	2	/	更改图纸商标 LOGO	谷瑞文/2019.1.10
3				
4				
5				

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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 CTB 1.5P 阴型 & 阳型电子连接器, 产品名称: ZH。

This product specification covers the requirement for Cable to Board 1.5mm pitch Receptacle & Plug connector, which are designed and manufactured by CWB Electronics(ZheJiang) Co.,LTD. P/N: ZH.

3. 产品描述 Product Description

ZH 系列产品为家电连接器产品, 产品部件组成如下:

ZH series connector designed for home appliances connection. Part checklist as following form:

Name	Part name	Notes
阳连接器 Header	ZH-nA	Wafer: PA66 UL94V-0 Post: Brass Tin over Nickel Plated
阳连接器 Header	ZH-nAW	Wafer: PA66 UL94V-0 Post: Brass Tin over Nickel Plated
阳连接器 Header	ZH-nAWJ	Wafer: PA66 UL94V-0 Post: Brass Tin over Nickel Plated
阳连接器 Header	ZH-5AWJ-1.5	Wafer: PA66 UL94V-0 Post: Brass Tin over Nickel Plated
阳连接器 Header	ZH-11AWJ6Z-2.1(2,4,6,8,10)	Wafer: PA66 UL94V-0 Post: Brass Tin over Nickel Plated
条形连接器孔座 Housing	ZH-nY	PA66 UL94V-0
插簧/插簧 A Socket Contact	ZH 插簧	Phosphor bronze 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, 则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, 则本规格书为优先。

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	电工电子产品环境试验 第一部分 总则 Testing Method for Environmental of Electrical Connectors	Class 1: General Principles
GB/T 2423	电工电子产品环境试验方法 Testing Method for Environmental of Electrical Connectors	
GB/T 2424	电工电子产品环境试验导则 Testing Method for Environmental of Electrical Connectors	
GB/T 5095	电子设备用机电元件基本试验规程及测量方法 Testing procedure/ Method for components of electric equipment	

产品符合合兴企标 Q/HX J1150001 《产品及所用材料的环保要求》 I 类或顾客要求。

The connector should comply with CWB standard Q/HX J1150001 Class I or customer's requests

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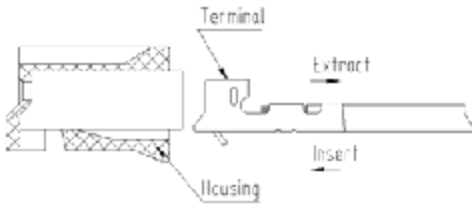
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5.参数范围 Parameter Ratings:

额定电流 Rated Current	1A
适用 PCB 板 Applicable P.C.B	Board Thickness: 0.8mm-1.6mm Hole Diameter: 0.6mm-0.7mm
额定电压 Rated Voltage	250V [AC(有效值 rms)/DC]
使用温度范围（包含温升） Operating temperature range (Include temperature rise)	-25℃~+85℃
适用线型 Applicable wires	Wire Size: AWG30~AWG26 (0.05mm ² -0.12 mm ²) Insulation Diameter: Φ1.15mm-Φ1.3mm

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 5095.1 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	端子的插入力 与固定力 Insertion force and Retention Force for Contact	固定连接器和测力计, 在连接器轴线方向插入和拔出; 速度 不大于 25 mm/min. Axial Insert and withdraw force on the contact in the housing at a rate less than 25 mm/min. GB/T 5095.8 Method 15d / EIA-364-29B 	插入力 (Insertion) Max.	固定力(Retention) Min.
			8N	10N

产品名称
Product Name:

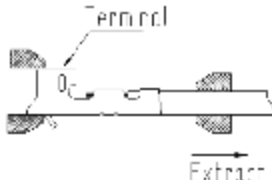
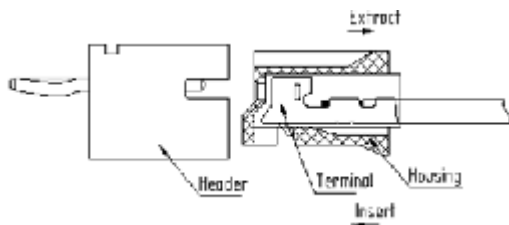
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6.1.3	插簧与插针的 插拔力 Insertion and Withdrawal Force for Pin in the Contact	固定端子或测力计, 在其轴线方向上使端子插入和拔出, 速度 25 ± 3 mm/min。 Apply axial Insert and withdraw force on the terminal in the housing at a rate of 25 ± 3 mm per minute. GB/T5095.8 Method 12B /EIA-364-13B	插入力 Insertion MAX		首次拔出力 Withdrawal MIN	
			9.8N		0.2N	
6.1.4	针的固定力 Retention Force for Pin	固定连接器和测力计, 在连接器轴线方向施加规定的推力进行测试, 25 mm/min。 Apply thrust force on the Pin in the wafer at a rate less than 25 mm/min . GB/T 5095.8 Method 15a / EIA-364-29B 	10NMin			
6.1.5	压着部位抗张 强度 Crimping Pull Out Force	在试验装置夹头中固定试验样品, 在连接的轴线方向施加张力; 25 mm/min。 Fix the crimped contact, axial pull out force on the contact in the housing at a rate less than 25 mm/min. GB/T5095.8 Method 16d /EIA-364-08B 	AWG 30:8N Min. AWG 28: 10N Min. AWG 26: 20N Min.			
6.1.6	成品插入力与 拔出力 Insertion and Withdrawal Force for Connector (without lock)	固定连接器和测力计, 在连接器轴线方向插入和拔出; 速度不大于25 mm/min。 Apply axial Insert and withdraw force on the contact into and out of the housing at a rate less than 25 mm/min. GB/T 5095.7 Method 13b / EIA-364-13B 	PIN	首次插入力 (Insertion 1st) Max	首次拔出力 Withdrawal (1st) Min	五十次后拔出 力 Withdrawal (50th) Min
			2P	10N	3N	2N
			3P	15N	5N	4N
			4P	20N	5N	4N
			5P	25N	7N	5N
			6P	30N	7N	5N
			7P	35N	9N	7N
			8P	40N	9N	7N
			9P	45N	11N	9N
			10P	50N	13N	11N
			11P	55N	13N	11N
			12P	60N	15N	13N
			13P	65N	15N	13N
			14P	70N	17N	15N
			15P	75N	17N	15N

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6.1.7	机械振动 Random Vibration	插合连接器，串联在一直流电源上,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0.35mm。沿XYZ三轴正反方向各循环2h。 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. Amplitude: 0.35mm 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：0.02Ω Max. Contact resistance: 0.02Ω Max. 中断:(when R>7Ω) 1μsec Max.
6.1.8	机械冲击 Shock	连接器相配，沿XYZ三轴正反方向各冲击3次(总共18次)，在测试过程中通以100mA电流。 冲击强度：490m/s ² 持续时间：11ms Mate connectors and subject them to the following shock conditions, 3 times of shock shall be applied for each 6 directions along 3 mutually perpendicular axes, passing DC 100mA current during the test.(Total of 18 shocks) Test Pulse: : 490m/s ² Duration: 11ms GB/T 5095.4 Method 6c / EIA-364-27B	外观：无损伤（参照6.1.1） Appearance: No damage.(refer to 6.1.1) 中断: 1μsec Max. <1μsec discontinuity
6.1.9	机械寿命 Durability	以每分钟 10 次的速度插拔 50 次。 Fifty 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：0.02Ω Max. Contact resistance: 0.02Ω 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	0.01 Ω Max. (Initial) 0.02 Ω Max. (Final)
6.2.2	绝缘电阻 Insulation Resistance	在相邻接触件之间或地线之间,用 500V DC 电压进行测试。 Apply a voltage of 500V DC between adjacent contacts and between contacts to ground. GB/T 5095.2 Method 3a / EIA-364-21C	1000 MΩ Min. (Initial) 500 MΩ Min. (Final)
6.2.3	耐电压 Withstand Voltage	相邻接触件之间或地线之间施加 500V AC (有效值),漏电流 1mA 的电压作用,时间 1min。 Apply a voltage of AC 500V for 1 minute between adjacent contacts and between contacts to ground. GB/T 5095.2 Method 4a / EIA-364-20B	外观：无击穿和飞弧现象 Appearance: No Breakdown or flashover

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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℃ Max.
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6.3 环境性能 Environmental

序号 No.	项 目 Item	测试条件 Test Condition	规 格 Requirement
6.3.1	耐高温 Heat Resistance	连接器配合后，于 105±2℃ 的空气中放置 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℃ 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： 0.02Ω Max. Contact resistance: 0.02Ω Max. 绝缘电阻： 500 MΩ Min. Insulation Resistance : 500 MΩ Min. 耐电压：无击穿和飞弧现象。 Withstand Voltage: No Breakdown or flashover.
6.3.2	耐低温 Cold Resistance	连接器配合后，于 -40±2℃ 的空气中放置 96 小时，再回到室温中放置 1~2 小时测定 Mated connectors exposed to the condition of -40±2℃ for 96 hours. 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： 0.02Ω Max. Contact resistance: 0.02Ω Max.
6.3.3	恒定湿热 Humidity	温度 40±2℃ ， 相对湿度 (90~95)% 搁置时间 240h ，取出恢复 1~2h 后检查。 Mated connectors exposed to the condition of temperature 40±2℃ ， humidity (90~95)% for 240 hours. Recovery time 1~2 hours GB/T 5095.6 Method 11c / EIA-364-31B	外观：无损伤（参照6.1.1） Appearance: No damage.(refer to 6.1.1) 接触电阻： 0.02Ω Max. Contact resistance: 0.02Ω Max. 绝缘电阻： 500 MΩ Min. Insulation Resistance : 500 MΩ Min. 耐电压：无击穿和飞弧现象。 Withstand Voltage: No Breakdown or flashover.
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 0.5h ； b) 在 (85±2)℃ 的恒温条件下放置 0.5h ； 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 1~2h 后检查。 Mated connectors shall be tested under the following conditions Temperature °C Duration (Minutes) 1 -55 30 2 +25 5Max. 3 +85 30 4 +25 5Max. 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	外观：无损伤（参照6.1.1） Appearance: No damage.(refer to 6.1.1) 接触电阻： 0.02Ω Max. Contact resistance: 0.02Ω Max. 绝缘电阻： 500 MΩ Min. Insulation Resistance : 500 MΩ Min. 耐电压：无击穿和飞弧现象。 Withstand Voltage: No Breakdown or flashover.

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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48h,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 1~2h Forty-eight hours spray, at temp (35±2)℃, NaCl mist concentration (5±1)%. After test, wash parts and put it into room ambient for 1~2 hours GB/T 5095.6 Method 11f /EIA-364-26B	外观：无损伤(五金件应无露出底金属的严重锈蚀;使用预镀好的型材，其落料面允许有不影响其性能的轻微腐蚀。) Appearance: No Damage (No erosion on material exposed. and plating material, slight erosion on the cutting surface is acceptable) 接触电阻: 0.02Ω Max. Contact resistance: 0.02Ω Max.
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)℃，时间(4~5)s Dip solder tails into the molten solder held at (245±5)℃ for ((4~5) sec. EIA-364-52	上锡率≥95%: Solder coverage: ≥95%
6.3.7	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)s后，在正常条件下恢复1~2h。 Resistance to Wave Soldering Heat : Dip solder tails into the molten solder held at (260±5)℃ for (5 ±1) sec., Recovery time 1~2 hours	外观：无损伤（参照6.1.1） Appearance: No damage.(refer to 6.1.1)

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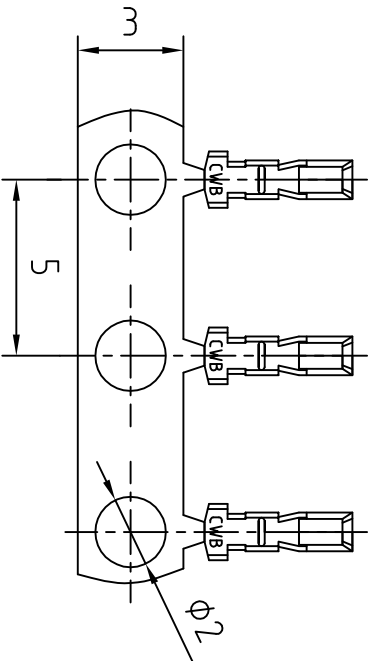
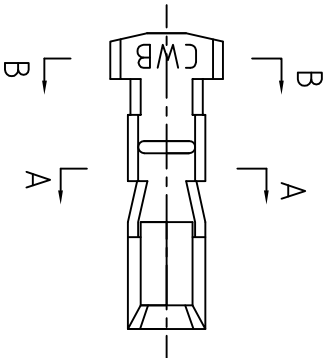
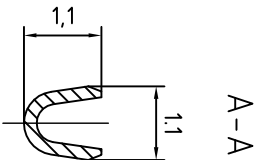
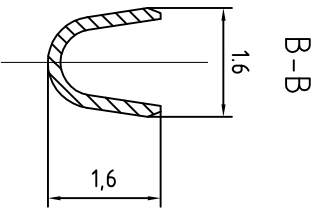
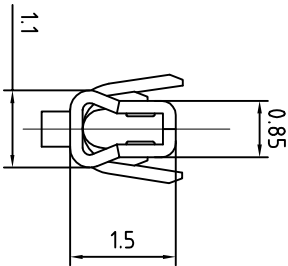
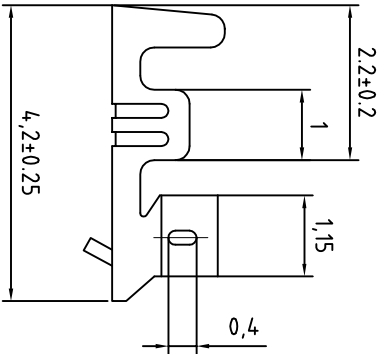
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7. 测试分组 Test Sequences (Samples: 5PCS)

测试组 GROUP NUMBER	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
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	1,3
端子的插入力 与固定力 Insertion force and Retention Force for Contact	2															
插簧与插针的插拔力 Insertion and Withdrawal Force for Pin in the Contact		2														
针的固定力 Retention Force for Pin			2													
压着部位抗张强度 Crimping Pull Out Force				2												
成品插入力与拔出力 Insertion and Withdrawal Force for Connector					2											
机械振动Random Vibration						3										
机械冲击 Shock							3									
机械寿命 Durability								5								
接触电阻 Low Level Contact Resistance						2,4	2,4	2,6		2,4	2,4	2,4	2,4	2,4		
绝缘电阻 Insulation Resistance								3		5		5	5			
耐电压 Withstand Voltage								4		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

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General Tolerance		Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
		0~3	±0.13	H8	Updating the content	Ruwen.Gu	2019.1.12	
		3~18	±0.16					
		18~50	±0.31					
		≥50	±0.55					



Notes:

- 1.Material: Phosphor Bronze,Thickness:0.18mm
- 2.Surface Finish: Tin Plating;
- 3.Matched Housing: ZH-nY ;
- 4.Conductor Size: AWG30~AWG26;
- 5.Compliant To The Current RoHS.

CUSTOMER DRAWING

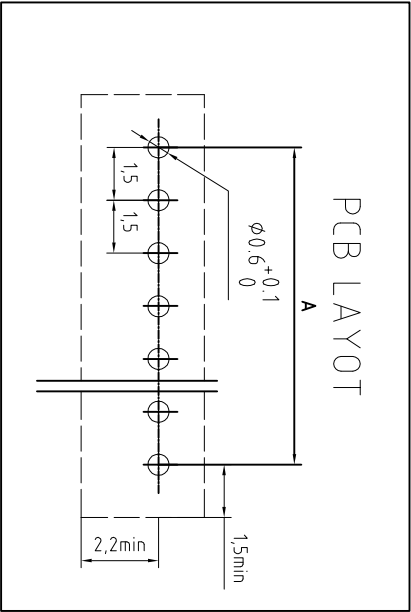
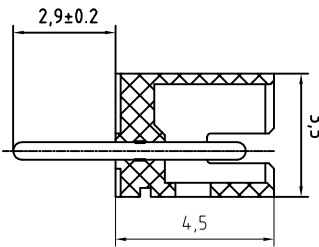
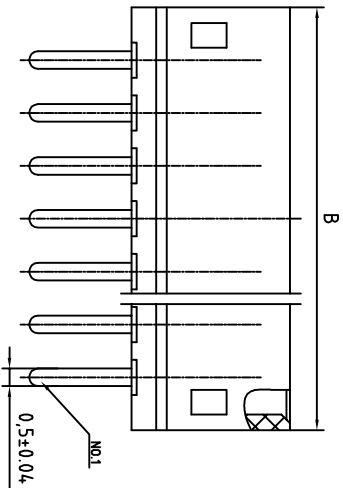
Title: 15mm Pitch WTB Socket Contact

Drawn	Zhenfeng Hu 2018.4.12	Unit	Scale	Size	Edition	Socket Contact
Checked	Guoying Wang 2018.4.12	mm	10:1	A4	B2	
Approved	Dongqulu 2018.4.12	Sheet No.	1 of 1			
CWB 浙江嘉兴电子元件有限公司 CWB Electronics (Zhejiang) Co., Ltd.						
Document No.:CP-DWG-00629						
Specification No.:PS3964						

CWB 浙江合兴电子元件有限公司

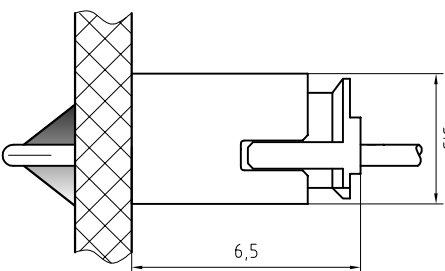
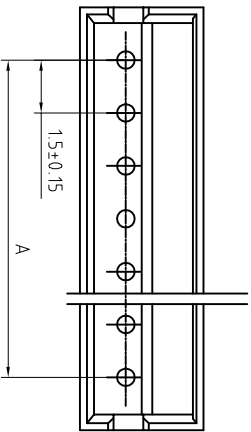
Specification No.:PS3984

General Tolerance		Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
		0~3	±0.13	H8	Updating the content	RuwenGu	2019.11.2	
		3~18	±0.16					
		18~50	±0.31					
		≥50	±0.55					



Assembly View

DIM FYI



Notes:

- 1.Material: PA66 UL94V-0
- Brass,Tin over Nickel Plating;
- 2.Matched Housing: ZH-nY
- 3.Packaging: Packing bag;
- 4.Compliant To The Current RoHS.

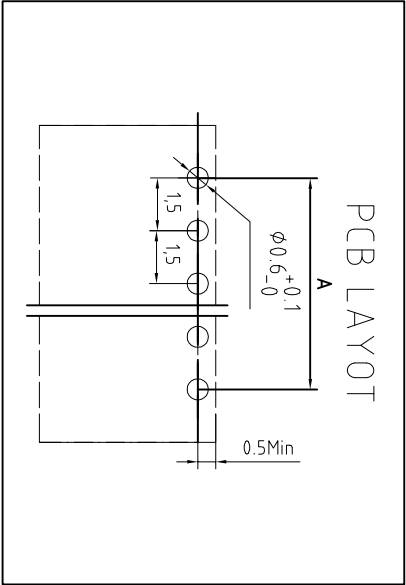
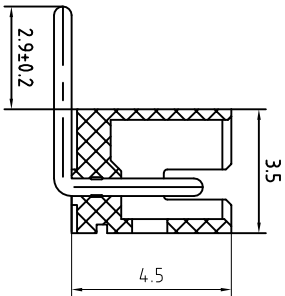
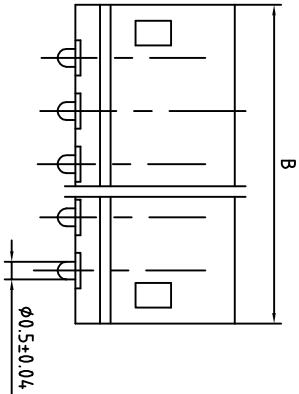
CUSTOMER DRAWING

Title: 15mm Pitch WTB

Drawn		Unit		Scale		Size		Edition		Header	
ZhenfengHu 208&12		mm		5:1		A4		B2		Part No:ZH-nA	
Checked		Sheet No. 1 Of 1								Document No.:CP-DWG-00625	
Approved										Specification No.:PS3984	

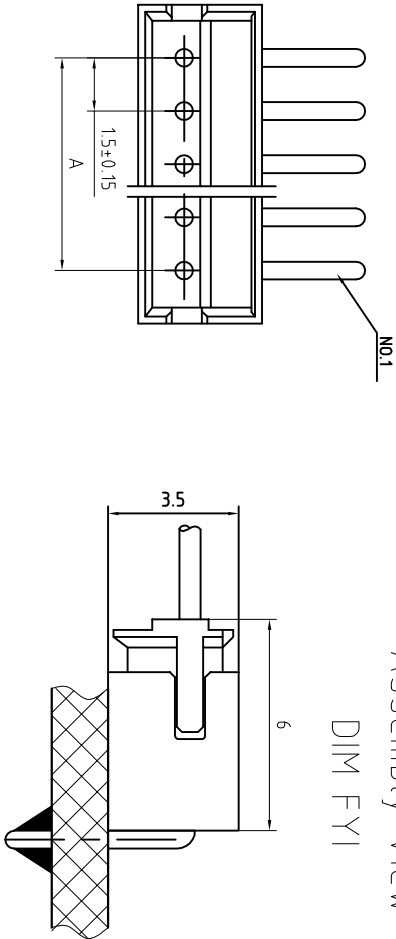
CWB 浙江合兴电子有限公司
CWB Electronics (Zhejiang) Co., Ltd.

General Tolerance		Dimension		Tolerance	Rev. No	Location	Description	Reviser	Date
0~3				±0.13	H8		Updating the content	Ruiwen.Gu	2019.11.12
3~18				±0.16					
18~50				±0.31					
≥50				±0.55					



Assembly View

DIM F.YI



Notes:

- 1.Material: PA66 UL94V-0
- Brass,Tin over Nickel Plating;
- 2.Matched Housing: ZH-nY
- 3.Packaging: Packing bag;
- 4.Compliant To The Current RoHS.

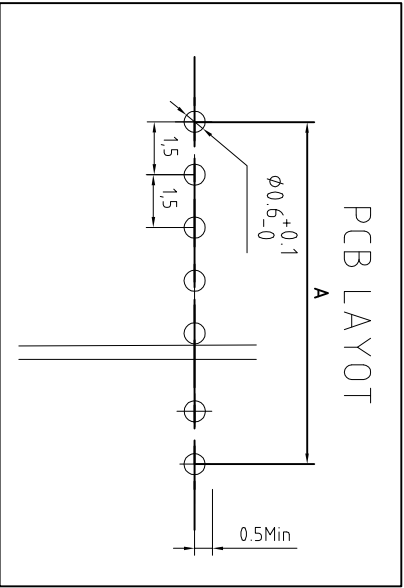
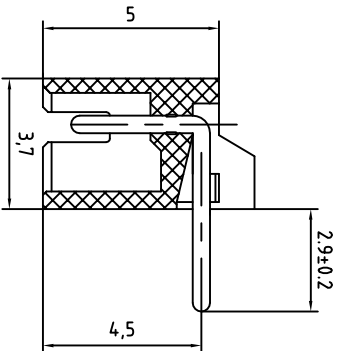
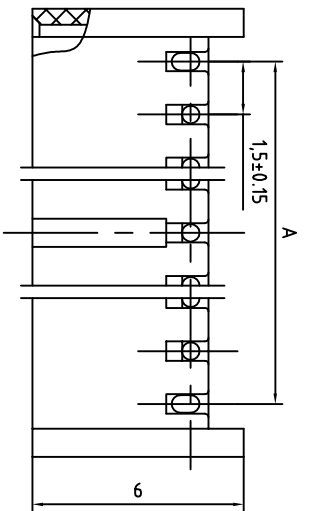
CUSTOMER DRAWING

Title: 15mm Pitch WTB

DRAWN		Unit		Scale	Size	Edition	Header	
Zhenfeng Hu 2018.4.12		mm		5:1	A4	B2	Part No:ZH-nAW	
Checked		Guojing Wang 2018.4.12		Sheet No. 1 Of 1			Document No.:CP-DWG-00626	
Approved		Dongxuliu 2018.4.12					Specification No.:PS3984	

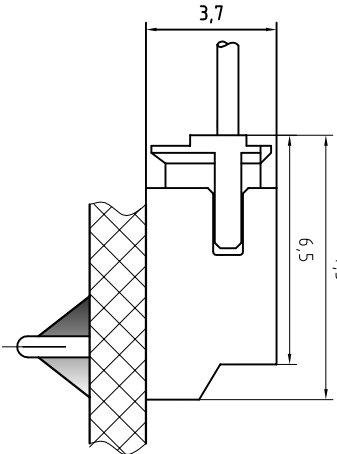
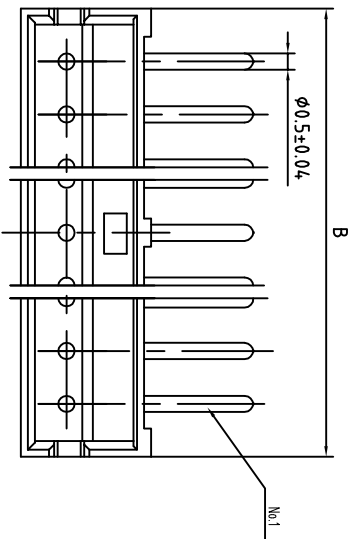
CWB 浙江合兴电子元件有限公司
CWB Electronics (Zhejiang) Co., Ltd.

General Tolerance					
Dimension	Tolerance	Rev. No	Location	Description	Reviser
0~3	±0.13		H8	Updating the content	Ruiwen.Gu
3~18	±0.16				2019.1.12
18~50	±0.31				
≥50	±0.55				



Assembly View

DIM FYI



Notes:

- 1.Material: PA66 UL94V-0
- Brass,Tin over Nickel Plating;
- 2.Matched Housing: ZH-nY
- 3.Packaging: Packing bag;
- 4.Compliant To The Current RoHS.

Ckts	Part No.	Product N	Dimensions	
			A	B
15	111.7990.0	ZH-15AWJ	21	24
14	111.7987.0	ZH-14AWJ	19.5	22.5
13	111.7984.0	ZH-13AWJ	18	21
12	111.7981.0	ZH-12AWJ	16.5	19.5
11	111.7978.0	ZH-11AWJ	15	18
10	111.7975.0	ZH-10AWJ	13.5	16.5
9	111.7972.0	ZH-9AWJ	12	15
8	111.7969.0	ZH-8AWJ	10.5	13.5
7	111.7966.0	ZH-7AWJ	9	12
6	111.7963.0	ZH-6AWJ	7.5	10.5
5	111.7959.0	ZH-5AWJ	6	9
4	111.7953.0	ZH-4AWJ	4.5	7.5
3	111.7947.0	ZH-3AWJ	3	6
2	111.7941.0	ZH-2AWJ	1.5	4.5

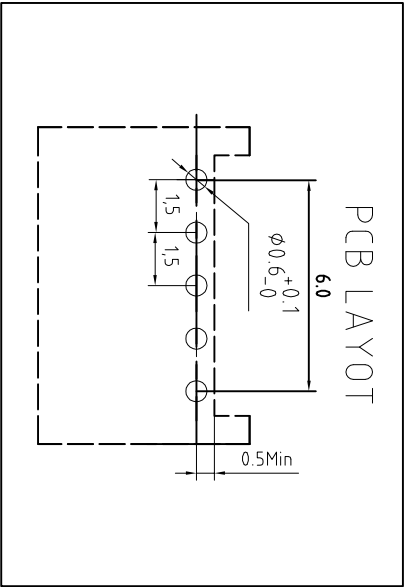
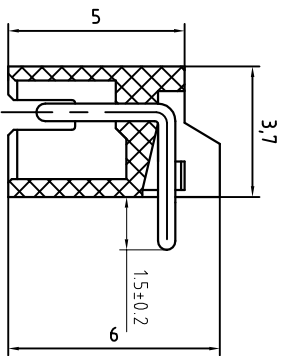
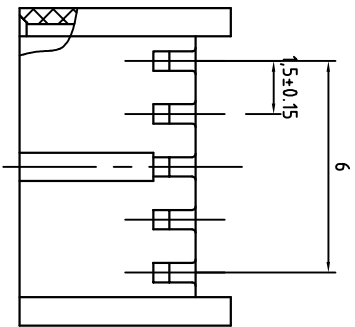
CUSTOMER DRAWING

Title: 15mm Pitch WTB

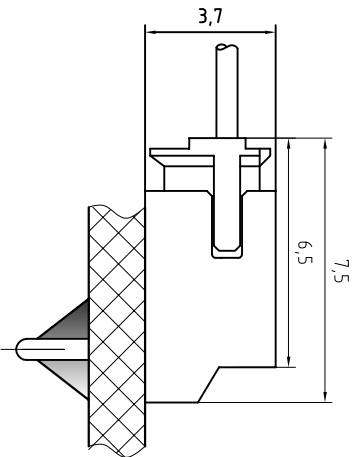
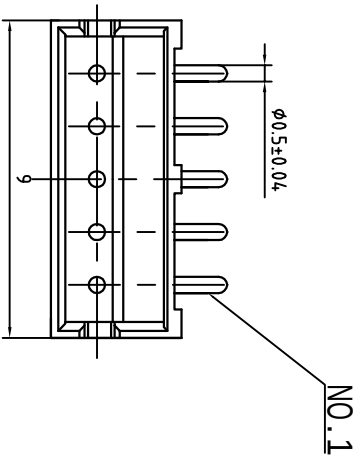
Drawn		Unit		Scale		Size		Edition		Header	
Zhenfeng Hu 2018.4.12		mm		5:1		A4		B2		Part No:ZH-nAWJ	
Checked		Guoying Wang 2018.4.12		Sheet No. 1 Of 1						Document No.:CP-DWG-00627	
Approved		Dongxulu 2018.4.12								Specification No.:PS3984	

CWB 浙江合兴电子元件有限公司
CWB Electronics (Zhejiang) Co., Ltd.

General Tolerance						
Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
0~3	±0.13	H8	Updating the content	RuwenGu	2019.1.12	
3~18	±0.16					
18~50	±0.31					
≥50	±0.55					



Assembly View
DIM FYI



Notes:

- 1.Material: PA66 UL94V-0
Brass,Tin over Nickel Plating;
- 2.Matched Housing: ZH-5Y
- 3.Packaging: Packing bag;
- 4.Compliant To The Current RoHS.

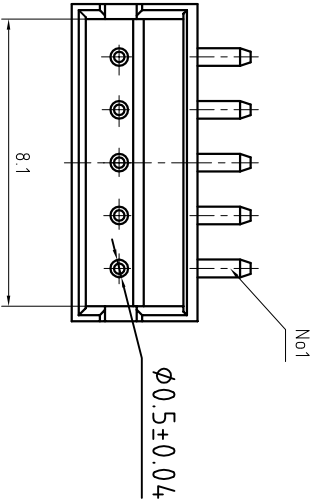
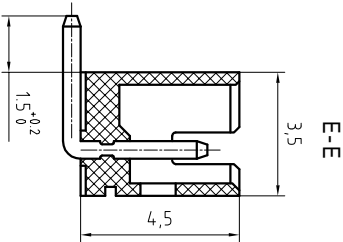
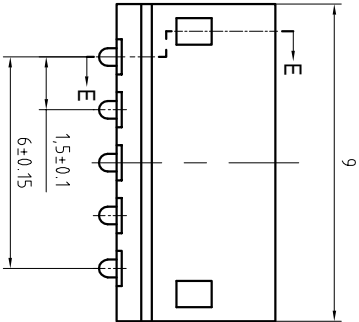
CUSTOMER DRAWING

Title: 15mm Pitch WTB

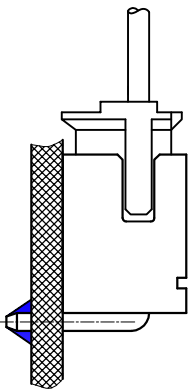
Drawn		ZhenfengHu 2008.4.12	Unit	Scale	Size	Edition	Header	
Checked		GuoyingWong 2008.4.12	mm	5:1	A4	B2	Part No:ZH-5AWJ-15	
Approved		Dongxulu 2008.4.12	Sheet No. 1 Of 1		Document No.:CP-DWG-00667		Specification No.:PS3984	

CWB 浙江合兴电子元件有限公司
CWB Electronics (Zhejiang) Co., Ltd.

General Tolerance		Dimension		Tolerance	Rev No	Location	Description	Reviser	Date
0~3				±0.13					
3~18				±0.16					
18~50				±0.31					
≥50				±0.55					



Assembly View
DIM FYI



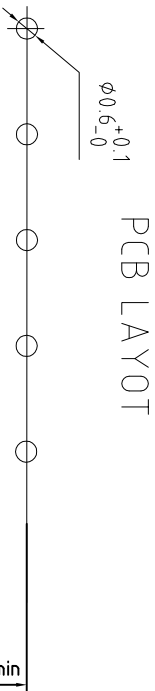
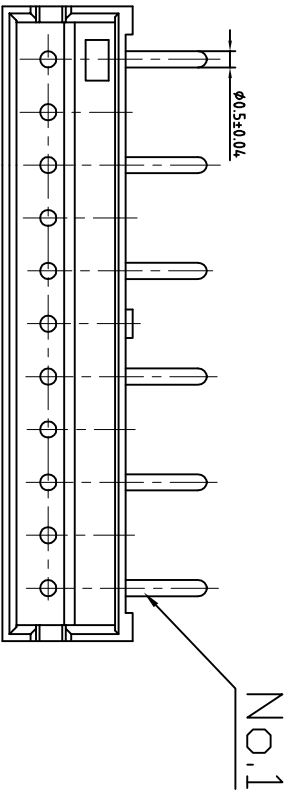
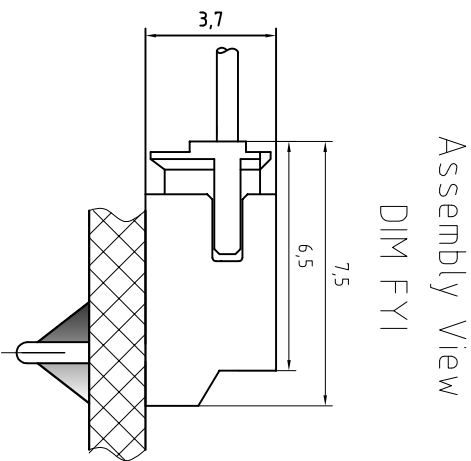
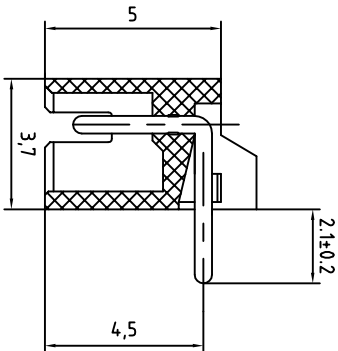
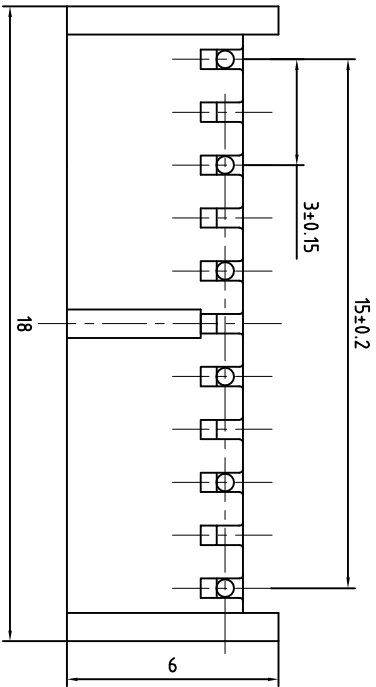
Notes:

- 1.Material: PA66 UL94V-0
Brass,Tin over Nickel Plating;
- 2.Matched Housing: ZH-5Y
- 3.Packaging: Packing bag;
- 4.Compliant To The Current RoHS.

CUSTOMER DRAWING					Title:	
Drawn	ZhenfengHu 2008.11.27	Unit	Scale	Size	15mm Pitch WTB	
Checked	Guojing Wang 2008.11.29	mm	5:1	A4	Honder	
Approved	DongqunLiu 2008.12.1	Sheet No.	1 Of 1	B	Part No:ZH-5AW-15	
				④	Document No.: CP-DWG-00721	
				CWB	Specification No.: PS3984	

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CWB Electronics (Zhejiang) Co.,Ltd.

General Tolerance						
Dimension	Tolerance	Rev. No	Location	Description	Reviser	Date
0~3	±0.13		H8	Updating the content	Ruiwen.Gu	2019.1.12
3~18	±0.16					
18~50	±0.31					
≥50	±0.55					



- Notes:
1. Material: PA66 UL94V-0
Brass, Tin over Nickel Plating;
 2. Matched Housing: ZH-11Y
 3. Packaging: Packing bag;
 4. Compliant To The Current RoHS.

CUSTOMER DRAWING						Title:	
Drawn	Ruiwen.Gu 2018.6.12	Unit	Scale	Size	Edition	15mm Pitch WTB	
Checked	Guojing.Wang 2018.6.12	mm	5:1	A4	B2	Header	
Approved	Dongxuliu 2018.6.12	Sheet No.	1 Of 1				
CWB 浙江合兴电子元件有限公司 CWB Electronics (Zhejiang) Co., Ltd.						Part No.:ZH-11AWJ6Z-2(12,4,6,8,10)	
						Document No.:CP-DWG-00668	
						Specification No.:PS3984	

