

YUEQING HONGYI ELECTRONICS CO., LTD
乐清市宏一电子有限公司

SPECIFICATION FOR APPROVAL

承认书

CUSTOMER 客户名称	
DESCRIPRION 产品名称	PAE系列连接器
ITEM NO 编 号	HY-A20005 (A37-A40)
DATE 日 期	2022-09-08

CUSTOMER ACKNOWLEDGEMENT SEAL

客户承认印签

(APPROVAL) 核准	(ENGINEERING) 工程	(PURCHASE) 采购	(QUALITY) 品质
承认结果： <input type="checkbox"/> 通过 <input type="checkbox"/> 不通过 <input type="checkbox"/> 重新送样			

IS09001

IS014001

IS045001

IATF16949 体系认证

ADD: No. 30, Wenjing Road, Houyu village, Shifan street, Yueqing City, Zhejiang Province

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产 品 承 认 书 目 录

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PRODUCT SPECIFICATION

产品规范

1、Scope

适用范围

This specification includes the following specifications, including the specification of 2.00mm pitch PAE series connector

本规范包括下列此种规格包括 2.00mm Pitch PAE 系列连接器规格说明

2、Appearance and Dimension

外观及尺寸

2.1 Appearance: Product surface without defect, dirt, crack, and mechanical damage, Contact without rust, plating not oxidized and not peeled.

产品表面不应有对制品有害的缺陷、污垢、裂痕及机械损伤；接触件无锈蚀、镀层氧化脱落等现象

2.2 Dimension: According to drawings

外形尺寸：依照附图

3、Disposal of Material and surface

材料与表面处理

Specification 规格内容	Material 材质	Finish 表面处理	Environmental protection grade 环保等级	
Terminal 端子	Phosphor bronze 磷铜 厚 0.20mm	Tin Plating: 2.5~5 μm 镀锡: 2.5~5 μm	RoHS2.0	
Housing 胶壳	PA66 UL94V-0	Color: White 颜色: 白色		
Wafer 针座	Plastic 塑壳	PBT/PA6T UL94V-0		Color: White/Beige 颜色: 白色/米色
	Contact 插针	Brass 黄铜 厚 0.50mm		Tin Plating: 2.5~5 μm 镀锡: 2.5~5 μm
Wafer 插脚 针座	Plastic 塑壳	PA6T UL94V-0		Color: Beige 颜色: 米色
	Contact 插针	Brass 黄铜 厚 0.50mm		Tin Plating: 2.5~5 μm 镀锡: 2.5~5 μm
	Solder tab 焊护耳	Brass 黄铜 厚 0.40mm		Tin Plating: 2.5~5 μm 镀锡: 2.5~5 μm
Wafer 卧贴/立 贴针座	Plastic 塑壳	PA6T UL94V-0		Color: Beige 颜色: 米色
	Contact 插针	Brass 黄铜 厚 0.50mm		Tin Plating: 2.5~5 μm 镀锡: 2.5~5 μm
	Solder tab 焊护耳	Brass 黄铜 厚 0.40mm		Tin Plating: 2.5~5 μm 镀锡: 2.5~5 μm

4、Ratings and applicable wires

额定等级

Item 项目	Standard 规格
Rated Voltage 额定电压	250V AC/DC
Rated Current 额定电流	3A AC/DC
Ambient temperature Range 使用温度范围	-25°C- +85°C
Applicable wire insulation 适用线径	AWG22#-28#

5、Electrical Performance

电气性能

N0. 序号	Ltem 项目	Test mode 试验方法	Requirement 技术要求
5.1	ContactResistance 接触电阻	Male female cooperation, open voltage less than 20mV, current 100mA detection connector at both ends 公母配合, 开放电压20mV 以下, 电流100mA 检测连接器连接器两端	Initial:20mΩ Max 初始: 20mΩ Max After Test: 30mΩ Max 试验后: 30mΩ Max
5.2	withstandvoltage 耐电压	Mate connectors, apply 800V AC for 1 minute between adjacent terminal or ground 公母配合, 在相邻端子, 端子与地片之间, 使用800V 的交流电1 分钟, 检测连接器	No Breakdown and Flashover 外观无损伤, 无打火花
5.3	InsulationResistance 绝缘电阻	Mate connectors, apply 500V DC between adjacent terminal or ground 公母配合, 在相邻端子, 端子与地片之间, 使用500V 的直流电, 检测连接器	1000MΩ Min

6、机械性能

Mechanical Performance

NO. 序号	Item 项目	Test mode 试验方法	Requirement 技术要求
6.1	Terminal crimping wire strength 端子压接导线强度	Fix the crimped terminal, apply axial pull out force on thewire	AWG#22 wire AWG#22 导线 40N Min
			AWG#24 wire AWG#24 导线 30N Min
		固定铆线后的端子, 使电线与端 子分离时所需的最小力量	AWG#26 wire AWG#26 导线 20N Min
		AWG#28 wire AWG#28 导线 13N Min	
6.2	Terminal/ Housing Retention Force 端子保持力	Apply axial pull out force at the speed rate of 25.4±3mm/minute on the terminal assembled in the Housing 以每分 25.4±3mm 的速率, 将端子从Housing 内轴 向拔出	Per contact: 15N Min 单一接触点: 15N Min
6.3	Insertion & withdraw Force 插拔力	Insert and withdraw Connectors at the speed rate of 25.4±3mm/minute 以每分 25.4±3mm 的速率插入和拔出	Refer to paragraph 8 参照第 8 项
6.4	Pin Retention Force Pin 针保持力	Apply axial push force at the speed rate of 25.4±3mm/minute 以每分 25.4±3mm 的速率, 将 PIN 针从 Wafer 内轴向拔出	Per contact: 10N Min 单一接触点: 10N Min

7、Endurance Characteristics:

环境性能

NO. 序号	Ltem 项目	Test mode 试验方法	Requirement 技术要求	
7.1	Repeated Insertion/ Withdrawal 重复插拔	When mated up to 30 cycles repeatedly by the rate of 10 cycles per minute 以每分钟不超过 10 次的速率, 将公母插 拔 30 次	Contact Resistance 接触电阻	30 mΩ Max
7.2	Temperature Rise 温升测试	Mating connectors shall be energized at rating current until thermal stability is achieved, and then measured the temperature rise 公母连接器配合后, 加载额定电流直到温 度上升到稳定 状态, 然后再测量温升	Temperature Rise 温升测试	30℃ Max
7.3	Vibration test 振动测试	Amplitude: 1.5mm P-P Sweep time: 10~55~10 HZ in 1 minute Duration: 2 hours in each X.Y.Z axials 振幅: 1.5mm P-P 时间: 10~55~10 HZ in 1 minute 持续时间: 每轴向 2 小时	Appearance 外观	No damage 无异常
			Contact Resistance 接触电阻	30 mΩ Max
			Discontinuity 瞬断	1 micro- second Max.
7.4	Heat Resistance 耐热性	85±2℃,96 hours	Appearance 外观	No damage 无异常
			Contact Resistance 接触电阻	30 mΩ Max
7.5	Cold Resistance 耐寒性	-25±3℃,96 hours	Appearance 外观	No damage 无异常
			Contact Resistance 接触电阻	30 mΩ Max
7.6	Humidity 耐湿性	Temperature: 60±2℃ Relative Humidity: 90~95% Duration: 96 hours 温度: 60±2℃ 湿度: 90~95%(RH) 持续时间: 96 hours	Appearance 外观	No damage 无异常
			Contact Resistance 接触电阻	30 mΩ Max
			Withstand Voltage 耐电压	No Breakdown and Flashover 外观无损伤, 无打火花
			Insulation Resistance 绝缘电阻	1000MΩ Min

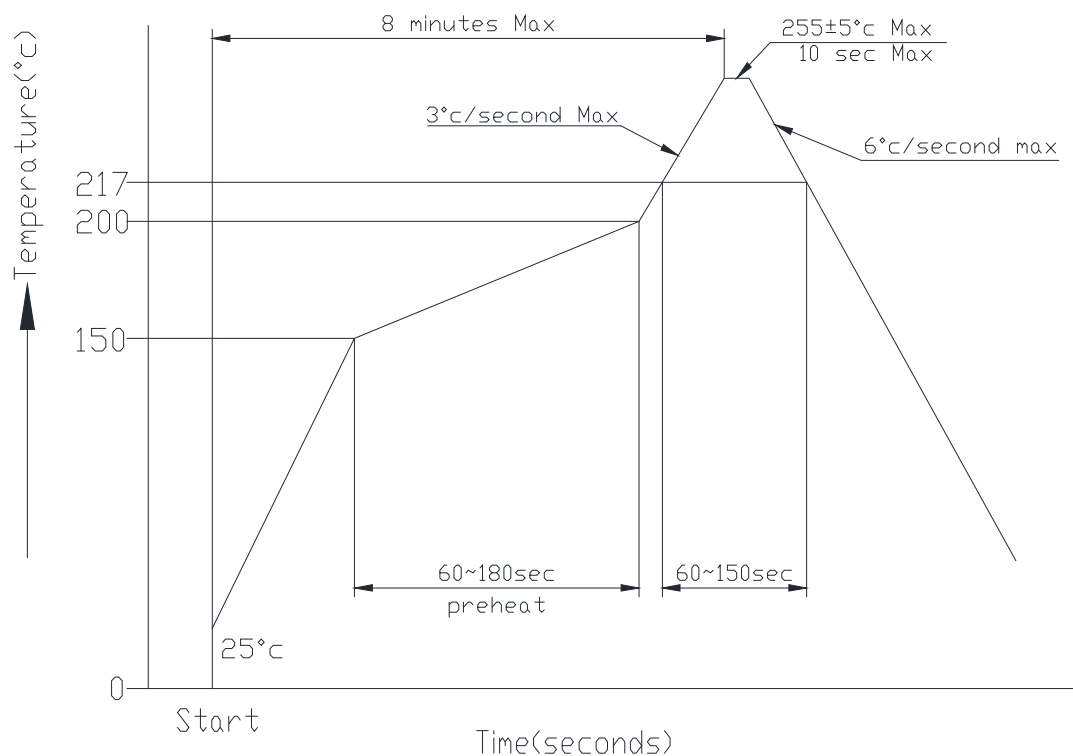
NO. 序号	Ltem 项目	Test mode 试验方法	Requirement 技术要求	
7.7	温度变化 Temperature Cycling	5 cycles of: a) -25°C 30 minutes b) +85°C 30 minutes	Appearance 外观	No damage 无异常
		从-25°C持续30 分钟升至+85°C持续30 分钟,循环5 次	Contact Resistance 接触电阻	30 mΩ Max
7.8	Salt spray 盐雾	24±1 hours exposure to a salt spray from the 5±1% solution at 35±2°C	Appearance 外观	No damage 无异常
		在温度35±2°C, 盐水浓度5±1%下, 盐水 喷雾24±1 小时	Contact Resistance 接触电阻	30 mΩ Max
7.9	Solderability 焊锡附着性	Soldering Time: 3-5sec solder Temperature: 245±5°C 焊接时间: 3-5 秒 焊接温度: 245±5°C	Solder Wetting 焊料润湿	Immersion area above 95% 浸渍面积 95% 以上
7.10	Solder- Resistance 焊锡耐热性	<p>DIP type PBT material welding heat resistance range: Soldering time:3~5sec solder. Temperature:230±5°C DIP 型 PA66 材质焊接耐热范围: 焊接时间: 3~5 秒. 焊接温度: 230±5°C</p> <p>DIP type PA6T material welding heat resistance range: Soldering time:3~5sec solder. Temperature:245±5°C DIP 型 PA6T 材质焊接耐热范围: 焊接时间: 3~5 秒. 焊接温度: 245±5°C</p> <p>SMT reflow soldering heat resistance range: Soldering time:5~10sec solder. Temperature:255±5°C SMT 型回流焊接耐热范围: 焊接时间: 5~10 秒. 焊接温度: 255±5°C</p> <p>Please refer to the 9.1 solder reflow temperature curve 回流焊请参考 9.1 温度曲线图</p>	Appearance 外观	No damage 无异常

8、INSERTION/WITHDRAWAL FORCE

综合插入力及拔出力

No. of CTK PIN 数	At Initial 初始值		At 30th 插拔 30 次	No. of CTK PIN 数	At Initial 初始值		At 30th 插拔 30 次
	I. F (N Max) 插入力	W. F (N Min) 拔出力	W. F (N Min) 拔出力		I. F (N Max) 插入力	W. F (N Min) 拔出力	W. F (N Min) 拔出力
2	15	0.5	0.5	12	40	5.5	5.5
3	18	1	1	13	43	6	6
4	20	1.5	1.5	14	45	6.5	6.5
5	23	2	2	15	48	7	7
6	25	2.5	2.5	16	50	7.5	7.5
7	28	3	3				
8	30	3.5	3.5				
9	33	4	4				
10	35	4.5	4.5				
11	38	5	5				

9、 SMT lead-free process temperature curve SMT 无铅工艺温度曲线



Notes: Please check the reflow soldering condition by your own devices beforehand. Because the condition changes by the soldering devices, P.C. boards, and so on

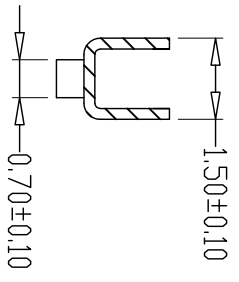
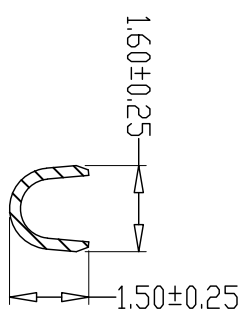
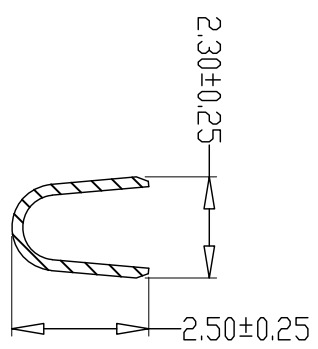
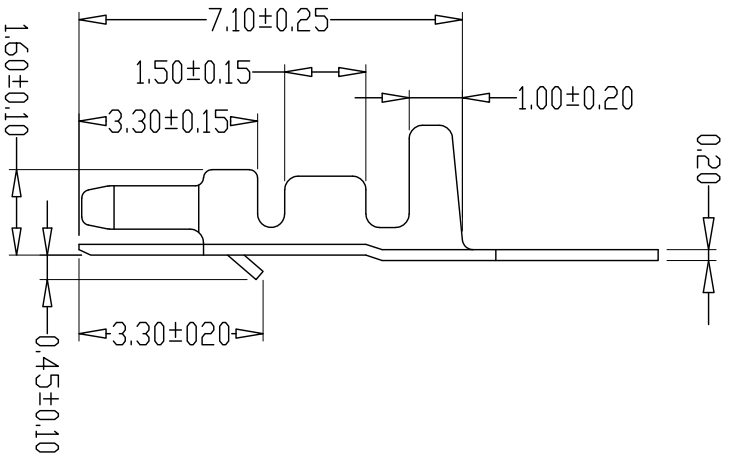
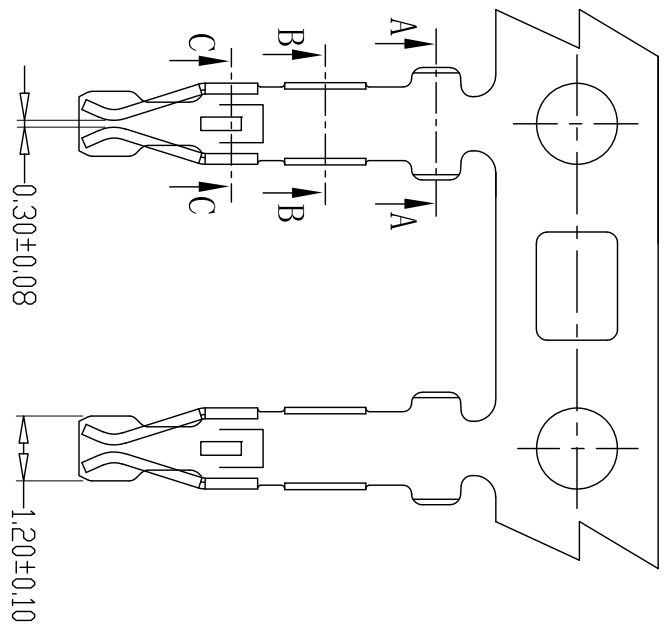
注记: 由于 P.C 板等焊接装置改变条件,所以请预先用自己的装置检查回流焊的条件

10、 Caution 注意事项

plastic because of characteristics with water after package is opened should avoid exposure to, the temperature is higher than 30 °C, humidity is higher than 60%RH in the environment, and in the 24 hours after all after use, to prevent subsequent reflow, wave soldering process to produce foaming phenomenon of deformation

塑料因具有吸水之特性包装拆封后应避免暴露于, 温度高于 30°C, 湿度高于 60%RH 的环境中, 并在拆封后 24 小时内全数使用完毕, 防止后续回流焊、波峰焊制程产生起泡变形现象

REV.	日期	ECN NO.	变更内容	制图
	DATE		DESCRIPTION	DRAWN



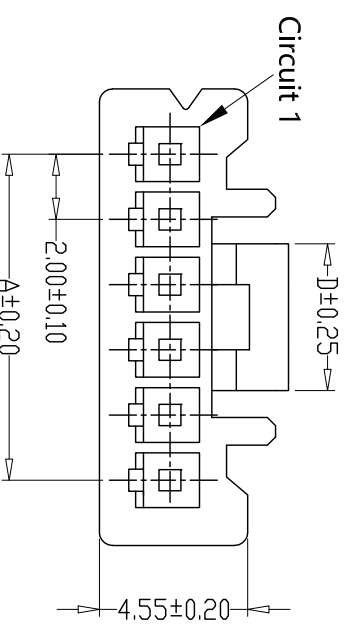
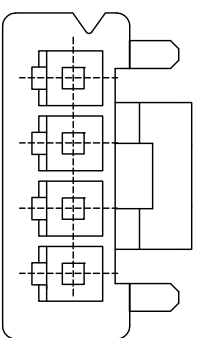
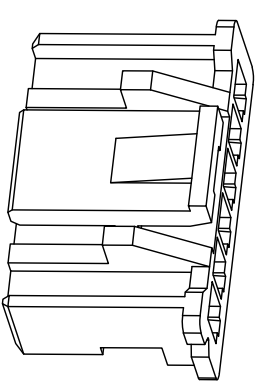
SPECIFICATIONS

- 1、Current Rating: 3A AC, DC
- 2、Voltage Rating: 250V AC, DC
- 3、Temperature Range: -25°C~+85°C
- 4、Contact Resistance: 20mΩ Max
- 5、Insulation Resistance: 1000MΩ Min
- 6、Withstanding Voltage: 800V AC/minute
- 7、Material: Phosphoric bronze Tin-plated
- 8、Applicable Wire Sizes: AWG#22~28#

GENERAL TOLERANCE		制图 Mapping		料号 PART NO.	版本 REV.
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.XX±0.15	.XX±0.5°	核准 张名	2022. 09. 08	客户料号	SHEET
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		单位 Units	MM	比例 SCALE	1:1

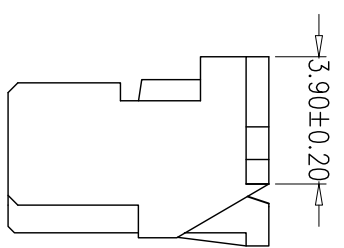
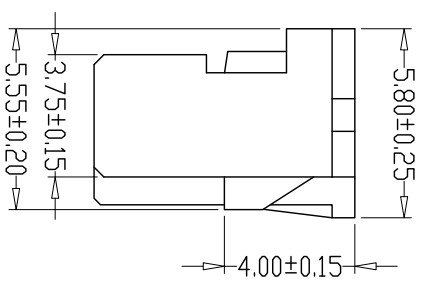
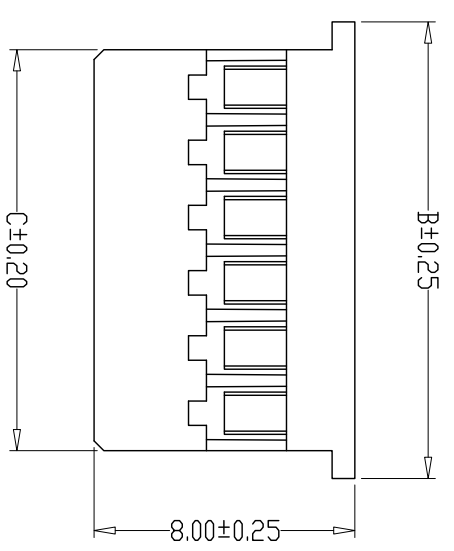
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版本 REV.	日期 DATE	ECN NO.	变更内容 DESCRIPTION	制图 DRAWN



SPECIFICATIONS

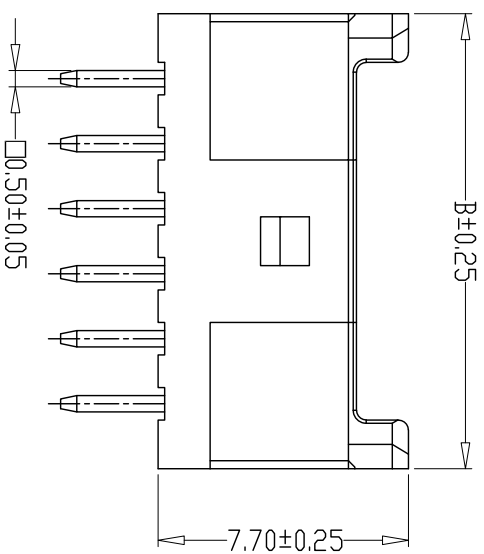
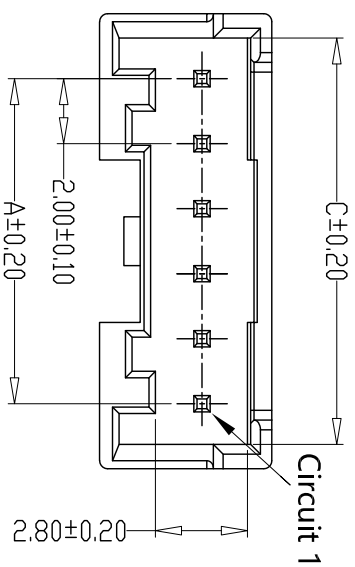
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- 6、Withstanding Voltage: 800V AC/minute
- 7、Material:Housing:PA66, UL94V-0



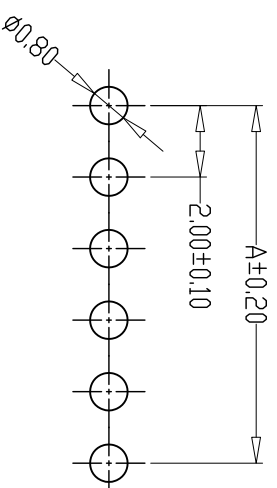
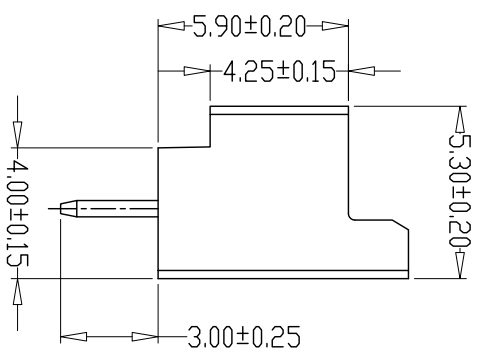
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-04Y	6.00	10.00	8.40	4.50
-05Y	8.00	12.00	10.40	4.50
-06Y	10.00	14.00	12.40	4.50
-07Y	12.00	16.00	14.60	4.50
-08Y	14.00	18.00	16.40	4.50
-09Y	16.00	20.00	18.40	4.50
-10Y	18.00	22.00	20.40	11.10
-11Y	20.00	24.00	22.40	11.10
-12Y	22.00	26.00	24.40	11.10
-13Y	24.00	28.00	26.40	11.10
-14Y	26.00	30.00	28.40	11.10
-15Y	28.00	32.00	30.40	11.10
-16Y	30.00	34.00	32.40	11.10

GENERAL TOLERANCE		制图 Mapping		料号 PART NO.		版本 REV.	
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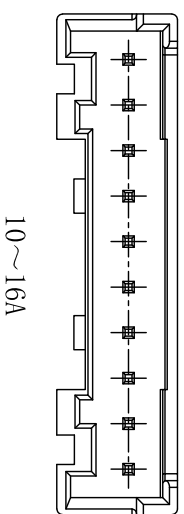
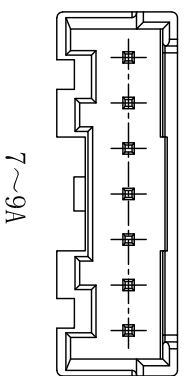
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 - 3、Temperature Range: -25°C~+85°C
 - 4、Contact Resistance: 20mΩ Max
 - 5、Insulation Resistance: 1000MΩ Min
 - 6、Withstanding Voltage: 800V AC/minute
 - 7、Material: Wafer PBT/PA6T, UL94V-0
PIN Brass Tin-plated



PCB LAYOUT



PIN	尺寸 (mm)		
	A	B	C
-02A	2.00	6.00	4.60
-03A	4.00	8.00	6.60
-04A	6.00	10.00	8.60
-05A	8.00	12.00	10.60
-06A	10.00	14.00	12.60
-07A	12.00	16.00	14.60
-08A	14.00	18.00	16.60
-09A	16.00	20.00	18.60
-10A	18.00	22.00	20.60
-11A	20.00	24.00	22.60
-12A	22.00	26.00	24.60
-13A	24.00	28.00	26.60
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-15A	28.00	32.00	30.60
-16A	30.00	34.00	32.60

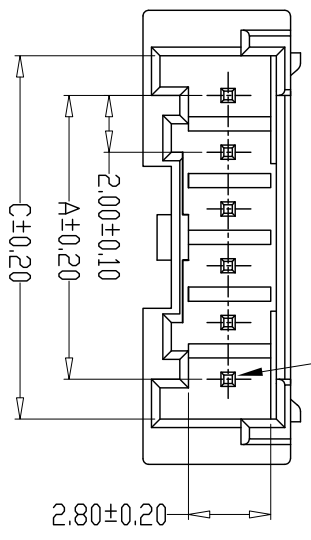
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.XX±0.15	.XX'±0.5°	批准	张名
.XXX±0.10	.XXX'±0.5°	Approved	2022、09、08
		Units	MM
		SCALE	1:1

料号	品名	客户料号	版本
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	WHYER DIP TYPE		REV.
			1/1
			SHEET
			1/1

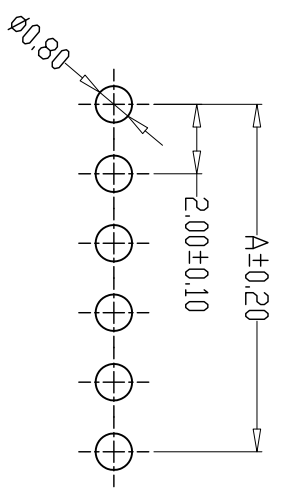
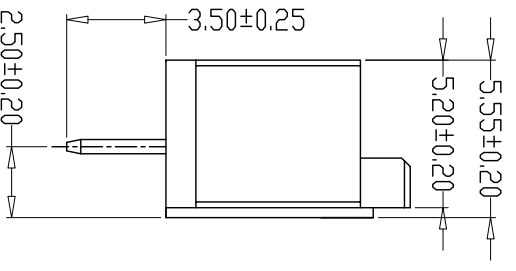
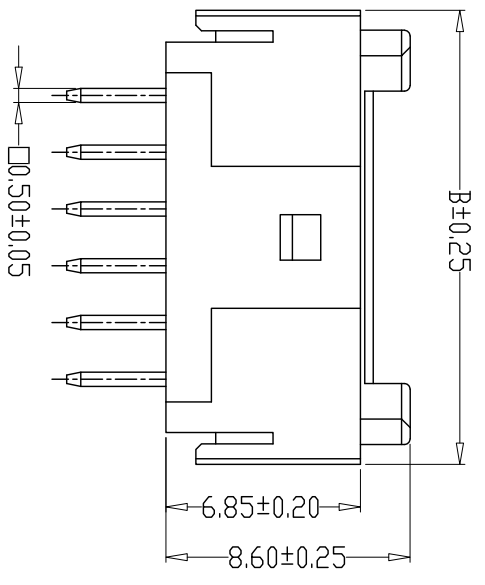
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版本 REV.	日期 DATE	ECN NO.	变更内容 DESCRIPTION	制图 DRAWN

Circuit 1

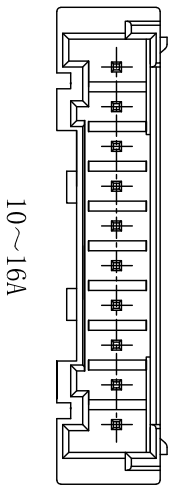
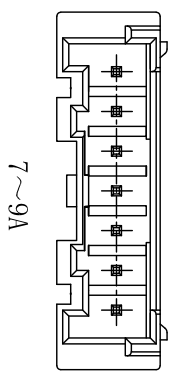


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 - 4、Contact Resistance: 20mΩ Max
 - 5、Insulation Resistance: 1000MΩ Min
 - 6、Withstanding Voltage: 800V AC/minute
 - 7、Material: Wafer PA6T, UL94V-0
PIN Brass Tin-plated
Solder tab Brass Tin-plated



PCB LAYOUT

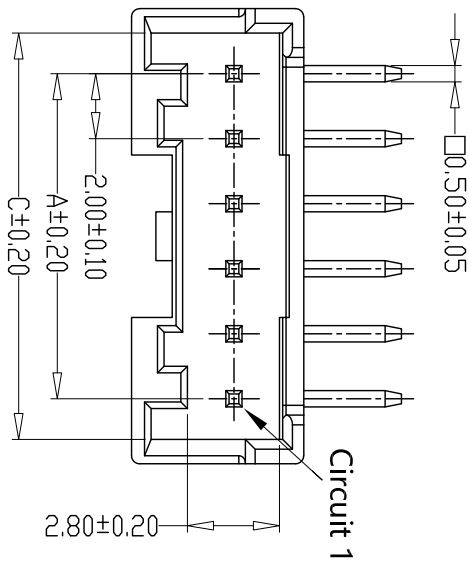
PIN	尺寸 (mm)		
	A	B	C
-02A1	2.00	8.00	4.60
-03A1	4.00	10.00	6.60
-04A1	6.00	12.00	8.60
-05A1	8.00	14.00	10.60
-06A1	10.00	16.00	12.60
-07A1	12.00	18.00	14.60
-08A1	14.00	20.00	16.60
-09A1	16.00	22.00	18.60
-10A1	18.00	24.00	20.60
-11A1	20.00	26.00	22.60
-12A1	22.00	28.00	24.60
-13A1	24.00	30.00	26.60
-14A1	26.00	32.00	28.60
-15A1	28.00	34.00	30.60
-16A1	30.00	36.00	32.60



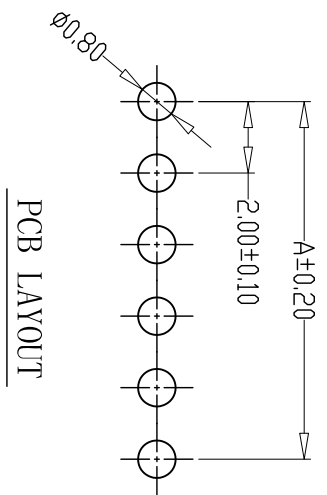
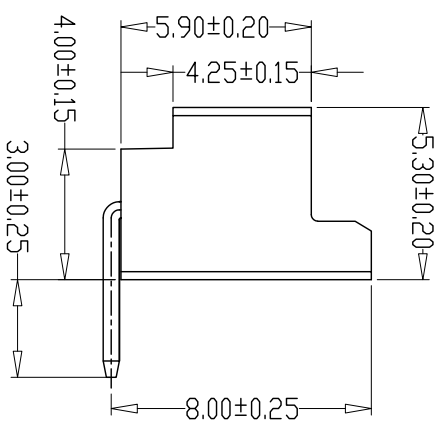
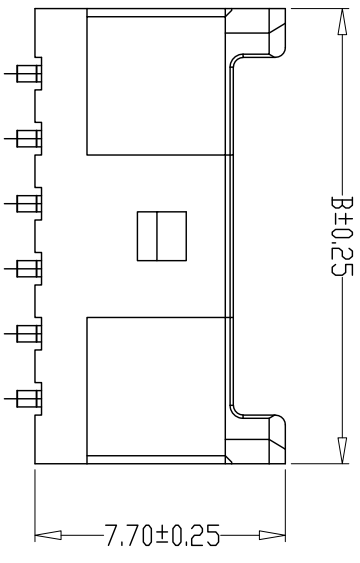
GENERAL TOLERANCE		制图 Mapping		张迎春	
X.±0.25	X.±2°	审核	2022、09、07	钱岳生	2022、09、07
.X±0.20	.X±1°	核准	2022、09、07	张名	2022、09、08
.XX±0.15	.XX±0.5°	Approved	2022、09、08	张名	2022、09、08
.XXX±0.10	.XXX±0.5°	Units	MM	SCALE	1:1

料号 PART NO.	A20005-nA1	版本 REV.	A
品名 TITLE	PAE直针(贴片塑件)	页次 SHEET	1/1
客户料号 CUST. NO.			

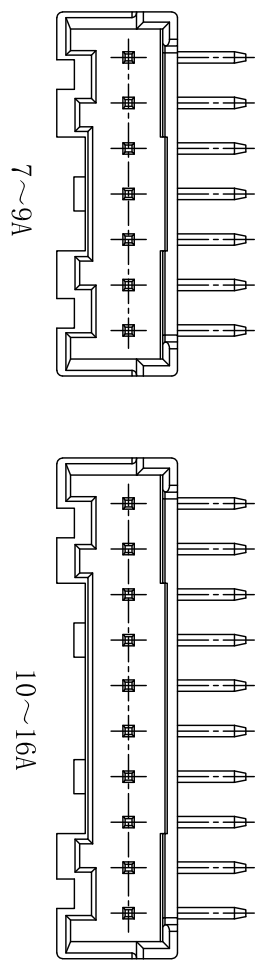
乐清市宏一电子有限公司
YueDing HongYi Electronics Co., Ltd



- SPECIFICATIONS
- 1、Current Rating: 3A AC, DC
 - 2、Voltage Rating: 250V AC, DC
 - 3、Temperature Range: -25°C~+85°C
 - 4、Contact Resistance: 20mΩ Max
 - 5、Insulation Resistance: 1000MΩ Min
 - 6、Withstanding Voltage: 800V AC/minute
 - 7、Material: Wafer PBT, UL94V-0
PIN Brass Tin-plated



PCB LAYOUT



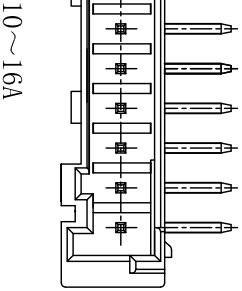
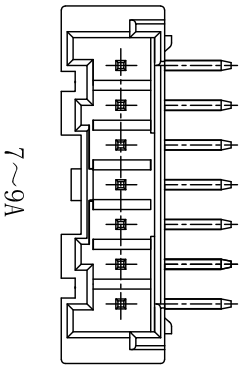
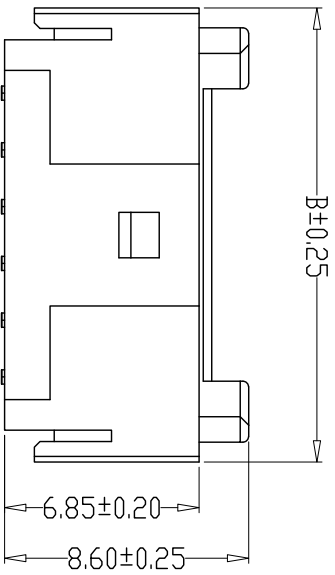
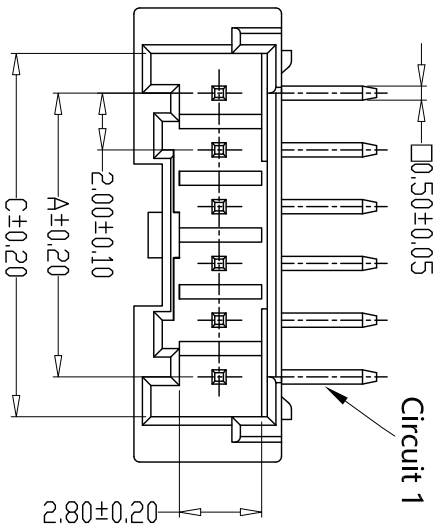
版本 REV.	日期 DATE	ECN NO.	变更内容 DESCRIPTION	制图 DRAWN

PIN	尺寸 (mm)		
	A	B	C
-02AW	2.00	6.00	4.60
-03AW	4.00	8.00	6.60
-04AW	6.00	10.00	8.60
-05AW	8.00	12.00	10.60
-06AW	10.00	14.00	12.60
-07AW	12.00	16.00	14.60
-08AW	14.00	18.00	16.60
-09AW	16.00	20.00	18.60
-10AW	18.00	22.00	20.60
-11AW	20.00	24.00	22.60
-12AW	22.00	26.00	24.60
-13AW	24.00	28.00	26.60
-14AW	26.00	30.00	28.60
-15AW	28.00	32.00	30.60
-16AW	30.00	34.00	32.60

GENERAL TOLERANCE	制图 Mapping	张迎春 2022、09、07
X.±0.25	X.±2'	审核 钱岳生
X.±0.20	X.±1'	批准 张名
.XX±0.15	.XX±0.5'	2022、09、08
.XXX±0.10	.XXX±0.5'	MM SCALE 1:1

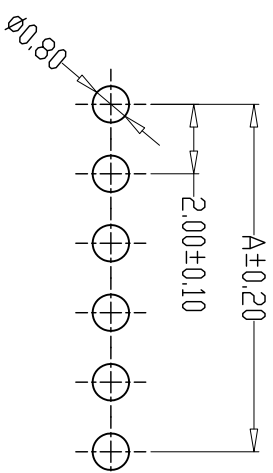
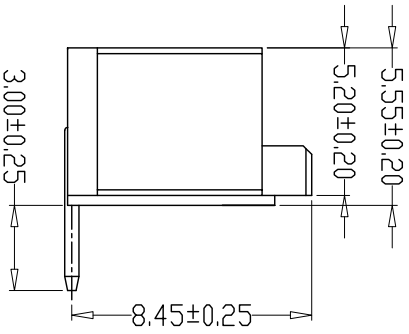
料号 A20005-nAW 版本 A
 PART NO. REV.
 品名 PAE弯针 页次 1/1
 TITLE WAFER DIP TYPE SHEET
 客户料号
 CITA. NO.

乐清市宏一电子有限公司
 YueDing HongYi Electronics Co., Ltd



SPECIFICATIONS

- 1、Current Rating: 3A AC, DC
- 2、Voltage Rating: 250V AC, DC
- 3、Temperature Range: -25°C~+85°C
- 4、Contact Resistance: 20mΩ Max
- 5、Insulation Resistance: 1000MΩ Min
- 6、Withstanding Voltage: 800V AC/minute
- 7、Material: Wafer PA6T, UL94V-0
PIN Brass Tin-plated



PCB LAYOUT

PIN	尺寸 (mm)		
	A	B	C
-02AW1	2.00	8.00	4.60
-03AW1	4.00	10.00	6.60
-04AW1	6.00	12.00	8.60
-05AW1	8.00	14.00	10.60
-06AW1	10.00	16.00	12.60
-07AW1	12.00	18.00	14.60
-08AW1	14.00	20.00	16.60
-09AW1	16.00	22.00	18.60
-10AW1	18.00	24.00	20.60
-11AW1	20.00	26.00	22.60
-12AW1	22.00	28.00	24.60
-13AW1	24.00	30.00	26.60
-14AW1	26.00	32.00	28.60
-15AW1	28.00	34.00	30.60
-16AW1	30.00	36.00	32.60

GENERAL TOLERANCE		制图 Mapping		张迎春	
X.±0.25	X.±2°	2022、09、07		2022、09、07	
X.±0.20	X.±1°	审核	钱岳生	比例	张名
.XX±0.15	.XX'±0.5°	核准	张名	SCALE	1:1
.XXX±0.10	.XXX'±0.5°	Approved	2022、09、08	MM	SCALE
		Units			

料号 A20005-nAW1 版本 A

品名 PAE弯针(贴片塑件) 页次 1/1

TITLE WATER DIP TYPE SHEET

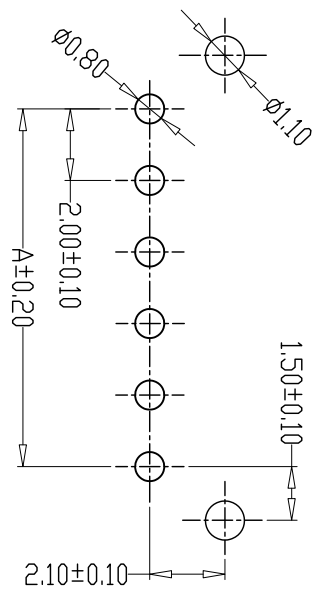
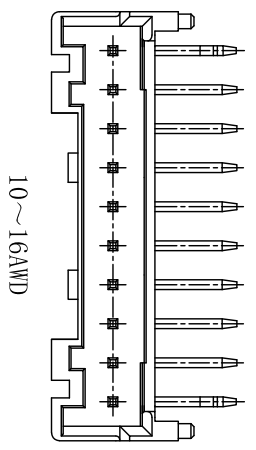
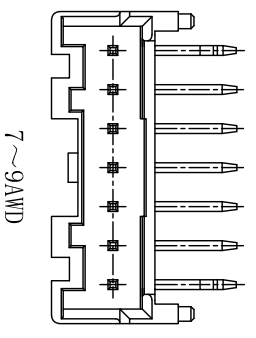
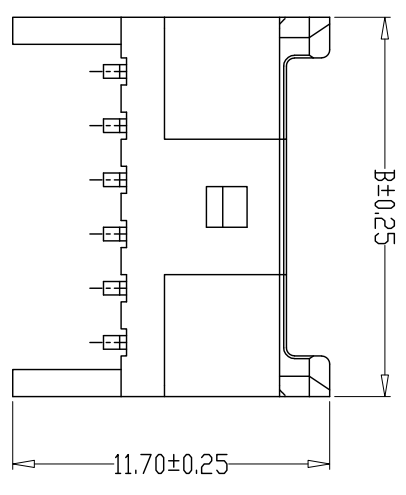
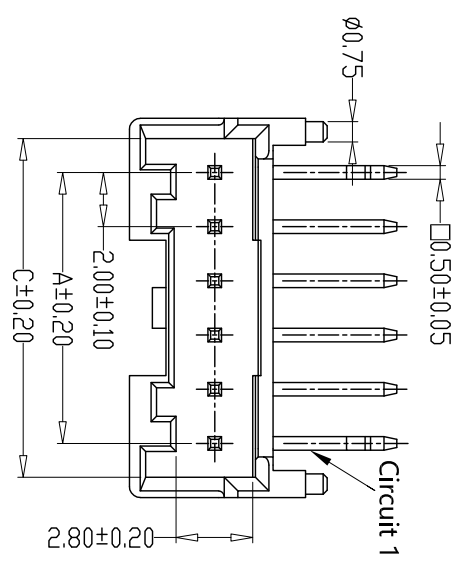
客户料号 CTM. NO.

乐清市宏一电子有限公司
YueDing HongYi Electronics Co., Ltd

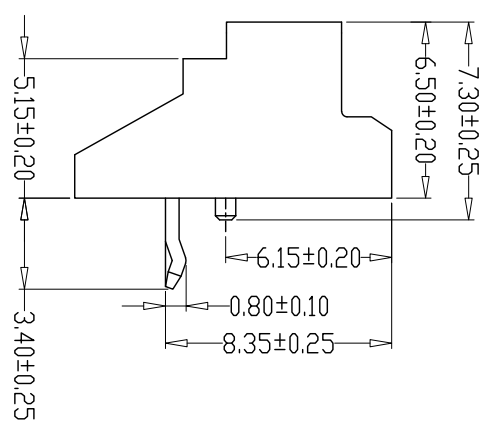
版本 REV.	日期 DATE	变更内容 ECN NO.	描述 DESCRIPTION	制图 DRAWN

版本 REV.	日期 DATE	ECN NO.	变更内容 DESCRIPTION	制图 DRAWN

- SPECIFICATIONS
- 1、Current Rating: 3A AC, DC
 - 2、Voltage Rating: 250V AC, DC
 - 3、Temperature Range: -25°C~+85°C
 - 4、Contact Resistance: 20mΩ Max
 - 5、Insulation Resistance: 1000MΩ Min
 - 6、Withstanding Voltage: 800V AC/minute
 - 7、Material: Wafer PBT, UL94V-0
PIN Brass Tin-plated



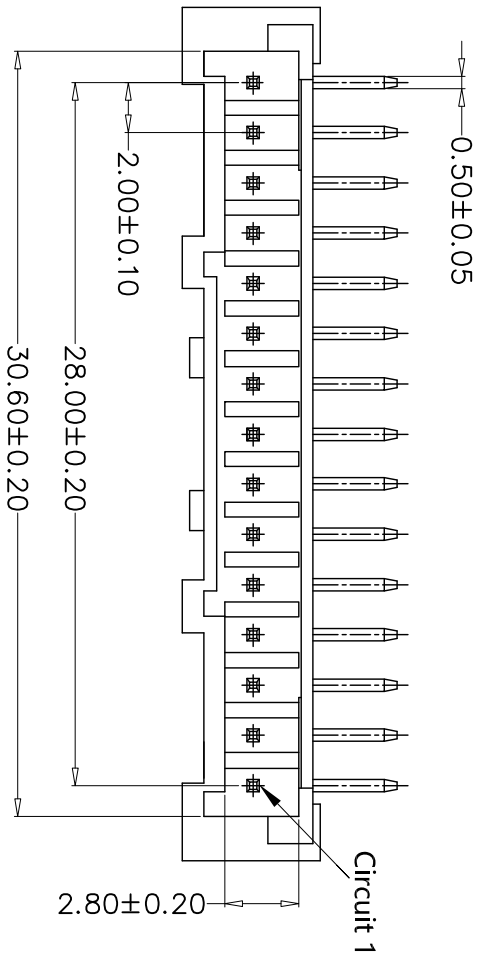
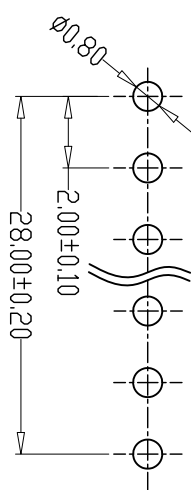
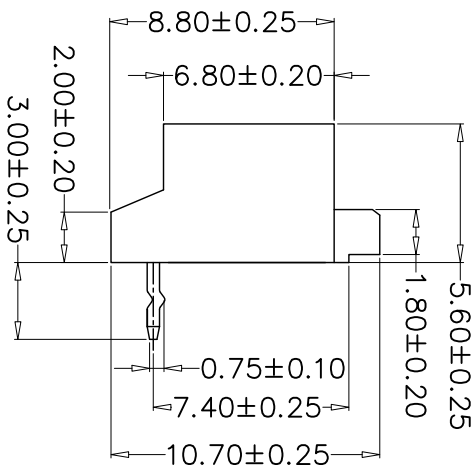
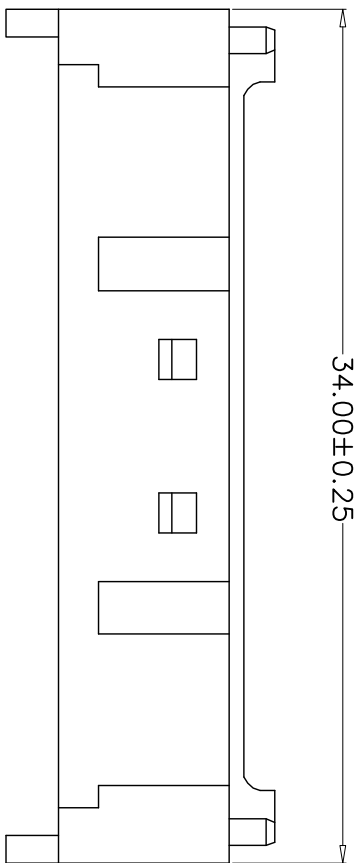
PCB LAYOUT



PIN	尺寸 (mm)		
	A	B	C
-02AWD	2.00	6.00	4.60
-03AWD	4.00	8.00	6.60
-04AWD	6.00	10.00	8.60
-05AWD	8.00	12.00	10.60
-06AWD	10.00	14.00	12.60
-07AWD	12.00	16.00	14.60
-08AWD	14.00	18.00	16.60
-09AWD	16.00	20.00	18.60
-10AWD	18.00	22.00	20.60
-11AWD	20.00	24.00	22.60
-12AWD	22.00	26.00	24.60
-13AWD	24.00	28.00	26.60
-14AWD	26.00	30.00	28.60
-15AWD	28.00	32.00	30.60
-16AWD	30.00	34.00	32.60

GENERAL TOLERANCE		制图 Mapping	张迎春
X.±0.25	X.±2°	审核	钱岳生
X.±0.20	X.±1°	核准	张名
.XX±0.15	.XX±0.5°	Approved	2022.09.08
.XXX±0.10	.XXX±0.5°	单位	MM
		比例	SCALE
			1:1

料号 A20005-nAWD 版本 A
 PART NO. REV.
 品名 PAF带柱定位弯针 页次 1/1
 TITLE WHERE DIP TYPE SHEET
 客户料号 CUST. NO.
乐清市宏一电子有限公司
 YueDing HongYi Electronics Co., Ltd

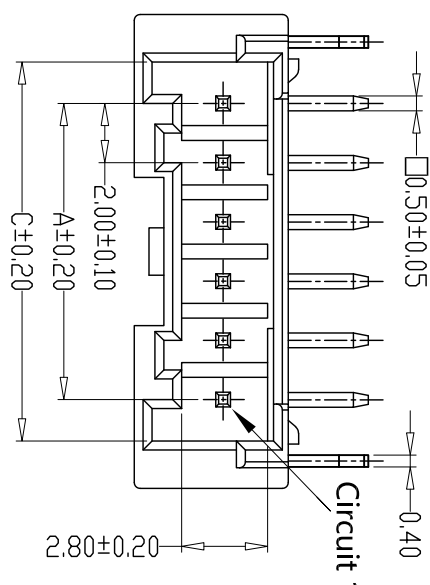


SPECIFICATIONS

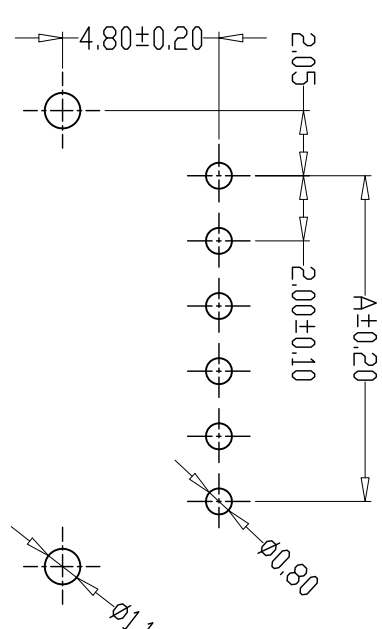
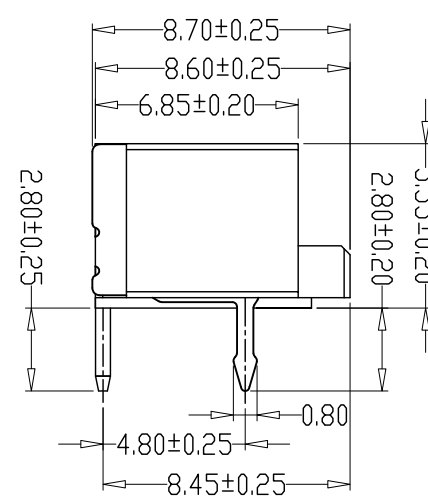
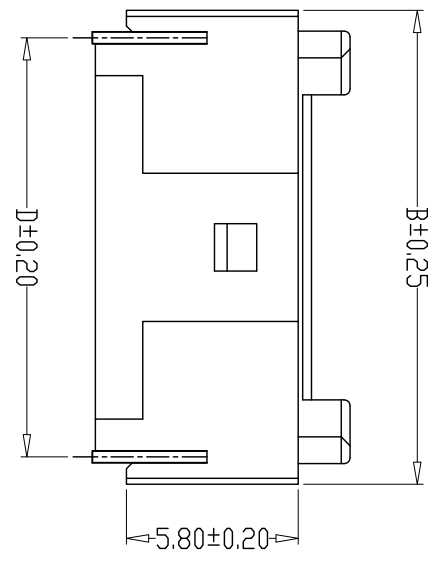
- 1、Current Rating: 3A AC, DC
- 2、Voltage Rating: 250V AC, DC
- 3、Temperature Range: -25°C~+85°C
- 4、Contact Resistance: 20mΩ Max
- 5、Insulation Resistance: 1000MΩ Min
- 6、Withstanding Voltage: 800V AC/minute
- 7、Material: Wafer PA6T, UL94V-0
PIN Brass Tin-plated

GENERAL TOLERANCE		制图	张迎春	料号	A200005-15AWD1	版本	A
X.±0.25	X.±2°	Mapping	2022、09、07	PART NO.		REV.	
X.±0.20	X.±1°	审核	钱岳生	TITLE	PAF定位弯针	页次	1/1
.XX±0.15	.XX±0.5°	Approved	2022、09、07	客户料号		SHEET	
.XXX±0.10	.XXX±0.5°	Units	张名	CITM. NO.		比例	1:1
		MM	2022、09、08	SCALE			

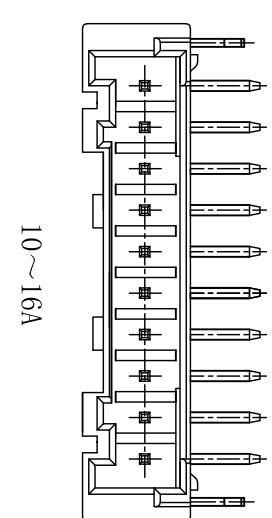
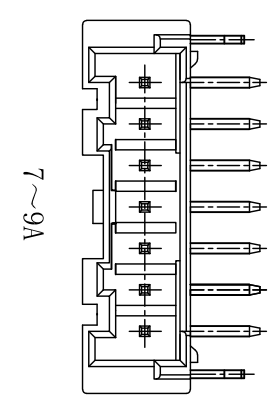
乐清市宏一电子有限公司
YueDing HongYi Electronics Co., Ltd



- SPECIFICATIONS
- 1、Current Rating: 3A AC, DC
 - 2、Voltage Rating: 250V AC, DC
 - 3、Temperature Range: -25°C~+85°C
 - 4、Contact Resistance: 20mΩ Max
 - 5、Insulation Resistance: 1000MΩ Min
 - 6、Withstanding Voltage: 800V AC/minute
 - 7、Material: Wafer PA6T, UL94V-0
- PIN Brass Tin-plated
Solder tab Brass Tin-plated



PCB LAYOUT



PIN	尺寸 (mm)			
	A	B	C	D
-02AWD2	2.00	8.00	4.60	6.20
-03AWD2	4.00	10.00	6.60	8.20
-04AWD2	6.00	12.00	8.60	10.20
-05AWD2	8.00	14.00	10.60	12.20
-06AWD2	10.00	16.00	12.60	14.20
-07AWD2	12.00	18.00	14.60	16.20
-08AWD2	14.00	20.00	16.60	18.20
-09AWD2	16.00	22.00	18.60	20.20
-10AWD2	18.00	24.00	20.60	22.20
-11AWD2	20.00	26.00	22.60	24.20
-12AWD2	22.00	28.00	24.60	26.20
-13AWD2	24.00	30.00	26.60	28.20
-14AWD2	26.00	32.00	28.60	30.20
-15AWD2	28.00	34.00	30.60	32.20
-16AWD2	30.00	36.00	32.60	34.20

GENERAL TOLERANCE		制图 Mapping		张迎春	
X.±0.25	X.±2°	审核	钱岳生	2022、09、07	
X.±0.20	X.±1°	核准	张名	2022、09、08	
.XX±0.15	.XX±0.5°	单位	MM	比例	1:1
.XXX±0.10	.XXX±0.5°	Units	SCALE		

料号 A20005-nAWD2 版本 A

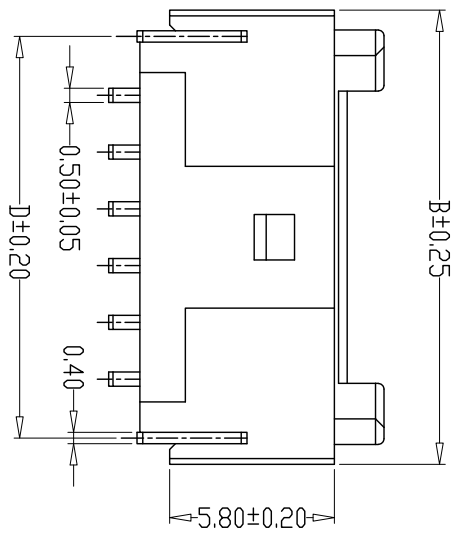
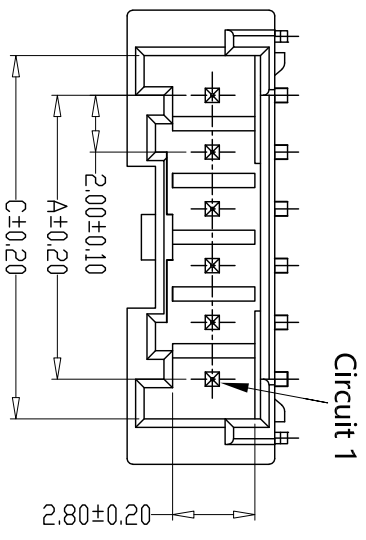
品名 PAE带定位焊脚弯针 页次 1/1

TITLE WATER DTP TYPE SHEET

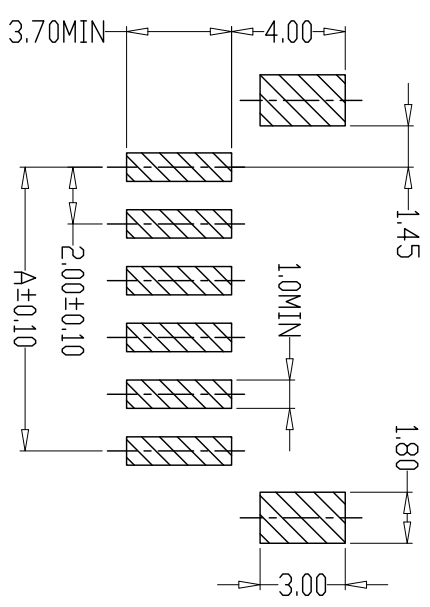
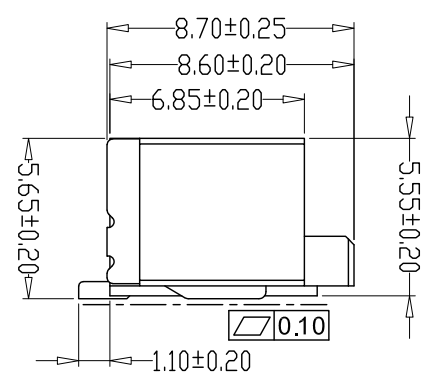
客户料号 CUST. NO.

乐清市宏一电子有限公司 YueDing HongYi Electronics Co., Ltd

版本 REV.	日期 DATE	变更内容 ECN NO.	描述 DESCRIPTION	制图 DRAWN

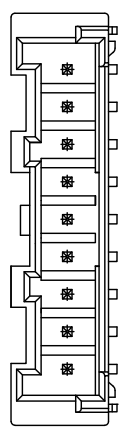


- SPECIFICATIONS**
- 1、Current Rating: 3A AC, DC
 - 2、Voltage Rating: 250V AC, DC
 - 3、Temperature Range: -25°C~+85°C
 - 4、Contact Resistance: 20mΩ Max
 - 5、Insulation Resistance: 1000MΩ Min
 - 6、Withstanding Voltage: 800V AC/minute
 - 7、Material: Wafer PA6T, UL94V-0
PIN Brass Tin-plated
Solder tab Brass Tin-plated

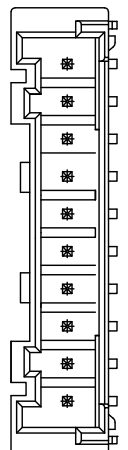


PCB LAYOUT

PIN	尺寸 (mm)			
	A	B	C	D
-02AWB	2.00	8.00	4.60	6.20
-03AWB	4.00	10.00	6.60	8.20
-04AWB	6.00	12.00	8.60	10.20
-05AWB	8.00	14.00	10.60	12.20
-06AWB	10.00	16.00	12.60	14.20
-07AWB	12.00	18.00	14.60	16.20
-08AWB	14.00	20.00	16.60	18.20
-09AWB	16.00	22.00	18.60	20.20
-10AWB	18.00	24.00	20.60	22.20
-11AWB	20.00	26.00	22.60	24.20
-12AWB	22.00	28.00	24.60	26.20
-13AWB	24.00	30.00	26.60	28.20
-14AWB	26.00	32.00	28.60	30.20
-15AWB	28.00	34.00	30.60	32.20
-16AWB	30.00	36.00	32.60	34.20



7~9AWB



10~16AWB

GENERAL TOLERANCE		制图 Mapping		张迎春	
X.±0.25	X.±2°	审核	钱岳生	2022、09、07	2022、09、07
X.±0.20	X.±1°	核准	张名	2022、09、08	2022、09、08
.XX±0.15	.XX±0.5°	单位	MM	比例	1:1
.XXX±0.10	.XXX±0.5°	Units	MM	SCALE	1:1

料号 A20005-nAWB 版本 A

品名 PA6T贴片 页次 1/1

TITLE WAFER SMT TYPE SHEET

客户料号 CTM. NO.

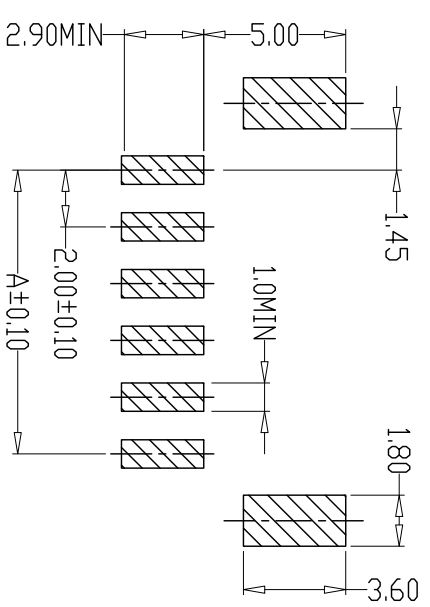
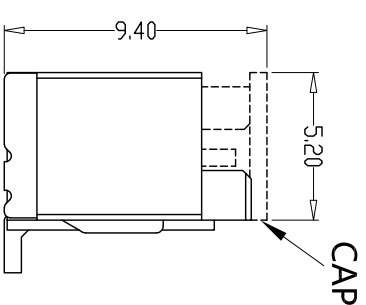
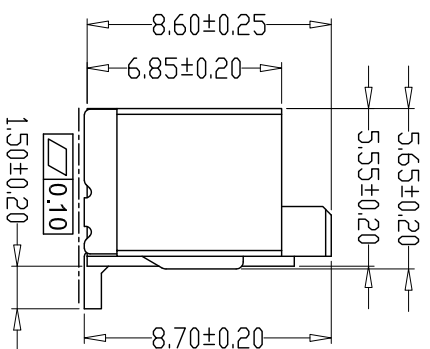
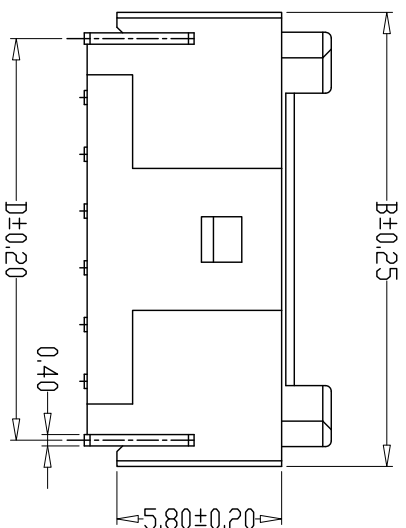
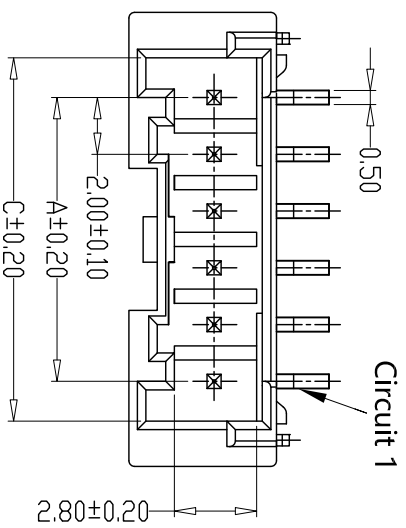
乐清市宏一电子有限公司
YueDing HongYi Electronics Co., Ltd

版本 REV.	日期 DATE	ECN NO.	变更内容 DESCRIPTION	制图 DRAWN

版本 REV.	日期 DATE	ECN NO.	变更内容 DESCRIPTION	制图 DRAWN

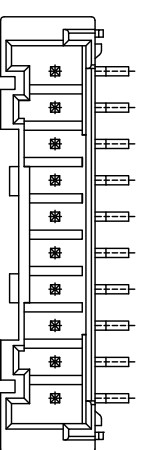
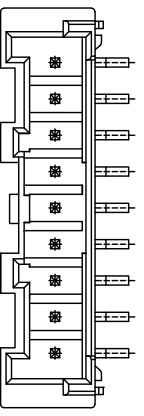
SPECIFICATIONS

- 1、Current Rating: 3A AC, DC
- 2、Voltage Rating: 250V AC, DC
- 3、Temperature Range: -25°C~+85°C
- 4、Contact Resistance: 20mΩ Max
- 5、Insulation Resistance: 1000MΩ Min
- 6、Withstanding Voltage: 800V AC/minute
- 7、Material: Wafer PA6T, UL94V-0
PIN Brass Tin-plated
Solder tab Brass Tin-plated



PCB LAYOUT

PIN	尺寸 (mm)			
	A	B	C	D
-02AB	2.00	8.00	4.60	6.20
-03AB	4.00	10.00	6.60	8.20
-04AB	6.00	12.00	8.60	10.20
-05AB	8.00	14.00	10.60	12.20
-06AB	10.00	16.00	12.60	14.20
-07AB	12.00	18.00	14.60	16.20
-08AB	14.00	20.00	16.60	18.20
-09AB	16.00	22.00	18.60	20.20
-10AB	18.00	24.00	20.60	22.20
-11AB	20.00	26.00	22.60	24.20
-12AB	22.00	28.00	24.60	26.20
-13AB	24.00	30.00	26.60	28.20
-14AB	26.00	32.00	28.60	30.20
-15AB	28.00	34.00	30.60	32.20
-16AB	30.00	36.00	32.60	34.20

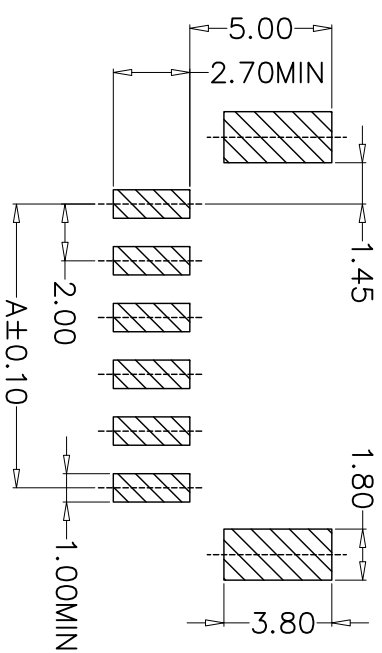
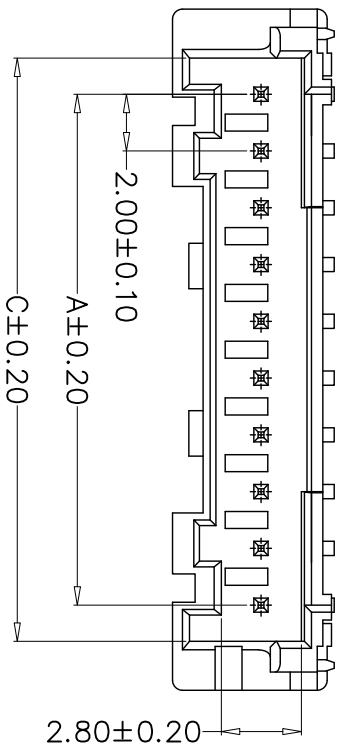
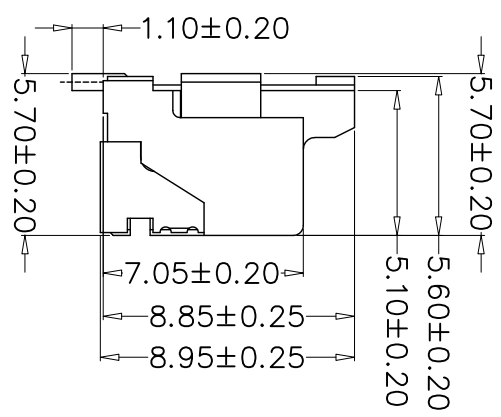
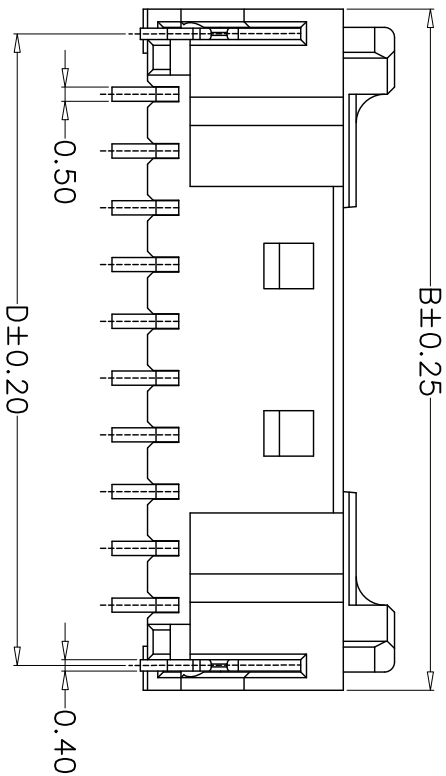


GENERAL TOLERANCE		制图 Mapping		张迎春	
X.±0.25	X.±2°	审核	钱岳生	2022.09.07	
X.±0.20	X.±1°	核准	张名	2022.09.08	
.XX±0.15	.XX±0.5°	Approved			
.XXX±0.10	.XXX±0.5°	Units	MM	SCALE	1:1

料号: A20005-nAB
 品名: PAE立贴
 TITLE: WAFER SMT TYPE
 客户料号: _____
 CUTL. NO. _____

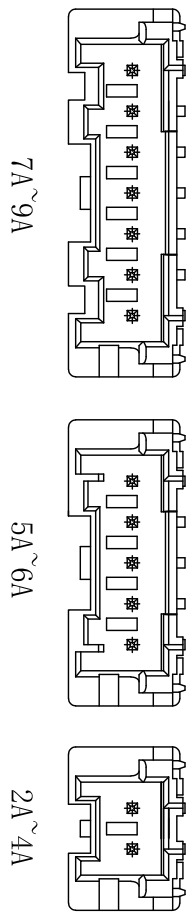
版本: A
 REV. 页次: 1/1
 SHEET 1/1

乐清市宏一电子有限公司
 YueDing HongYi Electronics Co., Ltd



PCB LAYOUT

PIN	尺寸 (mm)			
	A	B	C	D
-02AWB1	2.00	8.00	4.60	6.20
-03AWB1	4.00	10.00	6.60	8.20
-04AWB1	6.00	12.00	8.60	10.20
-05AWB1	8.00	14.00	10.60	12.20
-06AWB1	10.00	16.00	12.60	14.20
-07AWB1	12.00	18.00	14.60	16.20
-08AWB1	14.00	20.00	16.60	18.20
-09AWB1	16.00	22.00	18.60	20.20
-10AWB1	18.00	24.00	20.60	22.20
-11AWB1	20.00	26.00	22.60	24.20
-12AWB1	22.00	28.00	24.60	26.20
-13AWB1	24.00	30.00	26.60	28.20
-14AWB1	26.00	32.00	28.60	30.20
-15AWB1	28.00	34.00	30.60	32.20
-16AWB1	30.00	36.00	32.60	34.20



SPECIFICATIONS

- 1、Current Rating: 3A AC, DC
 - 2、Voltage Rating: 250V AC, DC
 - 3、Temperature Range: -25°C~+85°C
 - 4、Contact Resistance: 20mΩ Max
 - 5、Insulation Resistance: 1000MΩ Min
 - 6、Withstanding Voltage: 800V AC/minute
 - 7、Material: Wafer PA6T, UL94V-0
- PIN Brass Tin-plated
Solder tab Brass Tin-plated

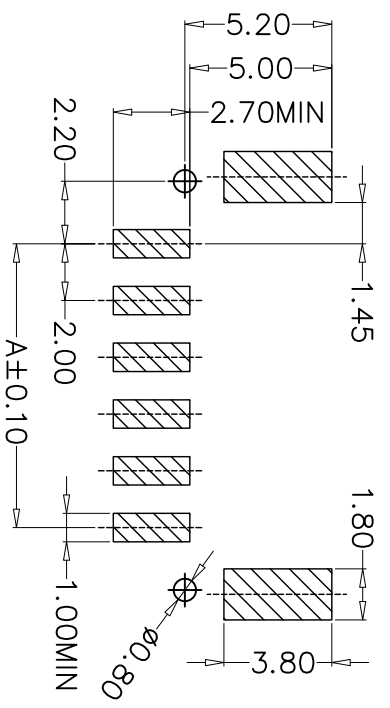
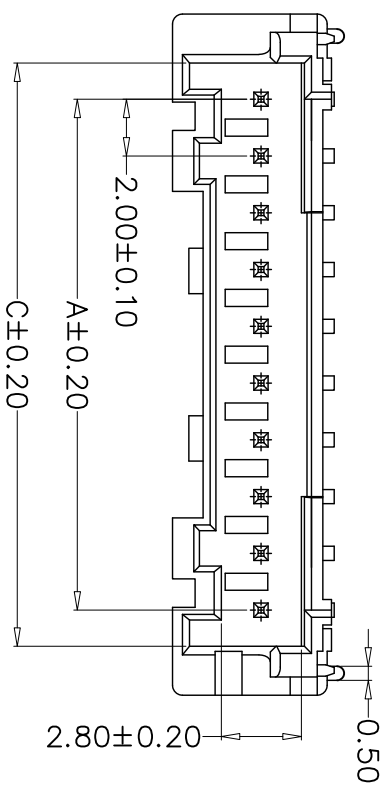
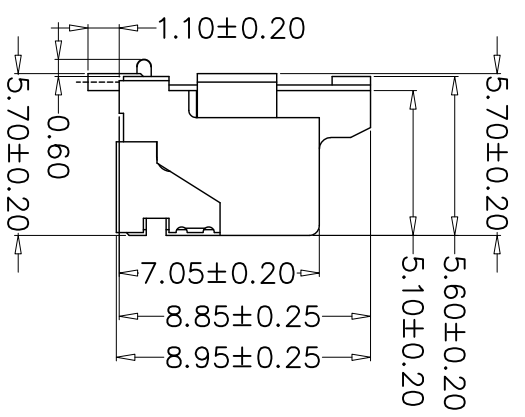
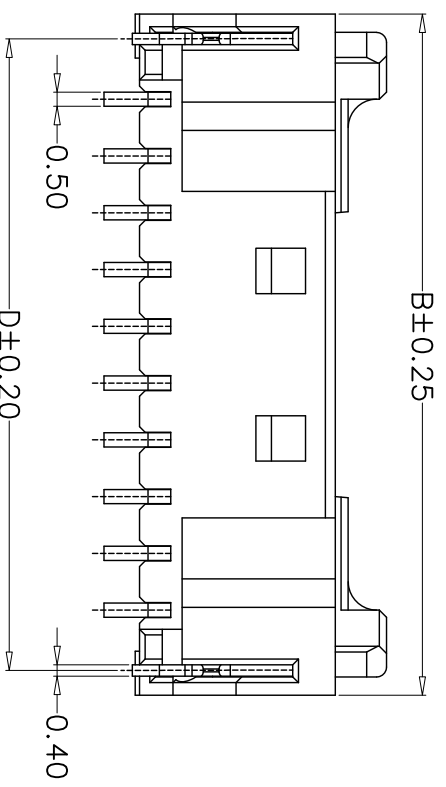
GENERAL TOLERANCE		制图	
X.±0.25	X.±2°	Mapping	张迎春
X±0.20	X±1°	审核	钱岳生
.XX±0.15	.XX±0.5°	核准	张名
.XXX±0.10	.XXX±0.5°	Approved	2022, 09, 08
		Units	MM
		SCALE	1:1

料号 A20005-nAWB1 版本 A
 PART NO. REV.
 品名 PAE侧插贴片 页次 1/1
 TITLE WAFER SMT TYPE SHEET
 客户料号
 CUST. NO.

乐清市宏一电子有限公司
 YueDing HongYi Electronics Co., Ltd

版本 REV.	日期 DATE	变更内容 DESCRIPTION	制图 DRAWN

版本 REV.	日期 DATE	变更内容 ECN NO.	变更内容 DESCRIPTION	制图 DRAWN



PCB LAYOUT

PIN	尺寸 (mm)			
	A	B	C	D
-02AWB2	2.00	8.00	4.60	6.20
-03AWB2	4.00	10.00	6.60	8.20
-04AWB2	6.00	12.00	8.60	10.20
-05AWB2	8.00	14.00	10.60	12.20
-06AWB2	10.00	16.00	12.60	14.20
-07AWB2	12.00	18.00	14.60	16.20
-08AWB2	14.00	20.00	16.60	18.20
-09AWB2	16.00	22.00	18.60	20.20
-10AWB2	18.00	24.00	20.60	22.20
-11AWB2	20.00	26.00	22.60	24.20
-12AWB2	22.00	28.00	24.60	26.20
-13AWB2	24.00	30.00	26.60	28.20
-14AWB2	26.00	32.00	28.60	30.20
-15AWB2	28.00	34.00	30.60	32.20
-16AWB2	30.00	36.00	32.60	34.20

GENERAL TOLERANCE

X.±0.25	X.±2°	制图 Mapping	张迎春
X.±0.20	X.±1°	审核 Audit	钱岳生
.XX±0.15	.XX±0.5°	批准 Approved	张名
.XXX±0.10	.XXX±0.5°	单位 Units	2022, 09, 08

料号 A20005-nAWB2 版本 A

品名 PAE侧插贴片带柱 页次 1/1

TITLE WAFER SMT TYPE SHEET

客户料号 CTM. NO.

2022, 09, 07

张名

2022, 09, 08

MM SCALE 1:1

YueDing HongYi Electronics Co., Ltd

- SPECIFICATIONS
- 1、Current Rating: 3A AC, DC
 - 2、Voltage Rating: 250V AC, DC
 - 3、Temperature Range: -25°C~+85°C
 - 4、Contact Resistance: 20mΩ Max
 - 5、Insulation Resistance: 1000MΩ Min
 - 6、Withstanding Voltage: 800V AC/minute
 - 7、Material: Wafer PA6T, UL94V-0
- PIN Brass Tin-plated
- Solder tab Brass Tin-plated

7A~9A

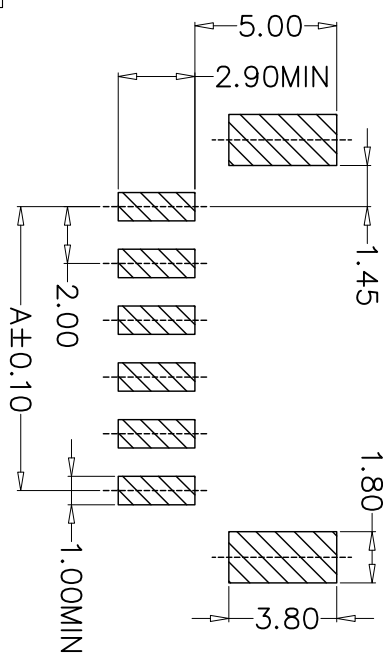
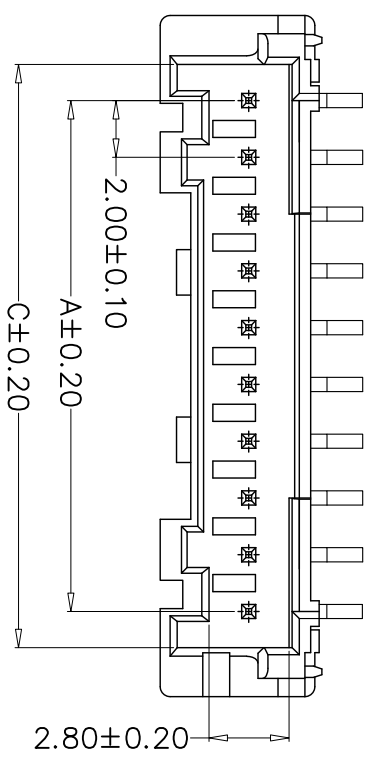
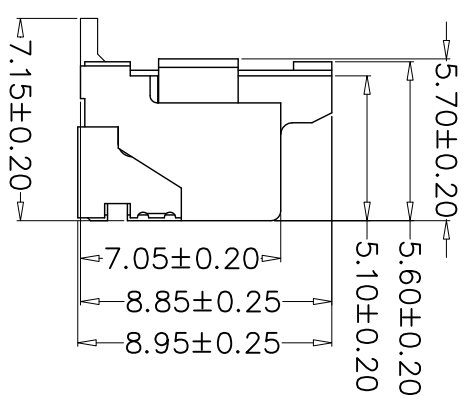
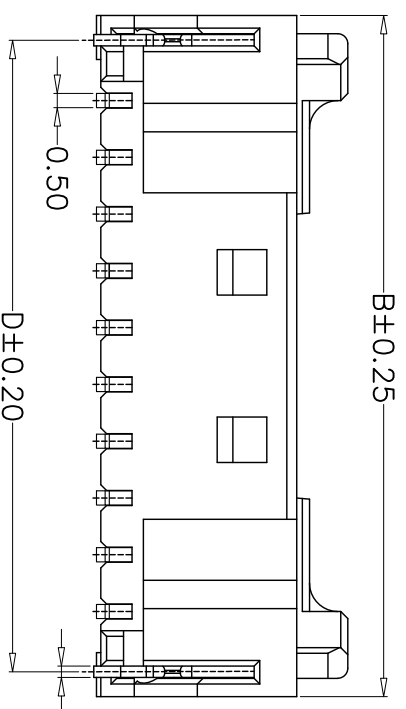
5A~6A

2A~4A

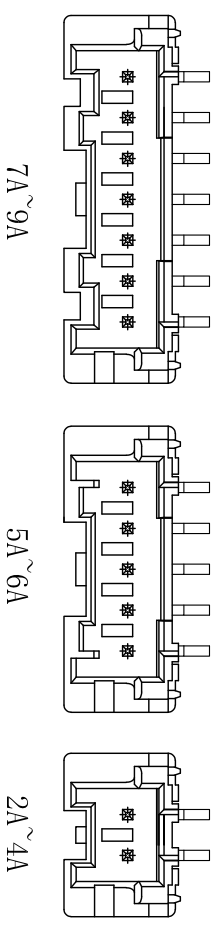
乐清市宏一电子有限公司

YueDing HongYi Electronics Co., Ltd

版本 REV.	日期 DATE	ECN NO.	变更内容 DESCRIPTION	制图 DRAWN



PIN	尺寸 (mm)			
	A	B	C	D
-02AB1	2.00	8.00	4.60	6.20
-03AB1	4.00	10.00	6.60	8.20
-04AB1	6.00	12.00	8.60	10.20
-05AB1	8.00	14.00	10.60	12.20
-06AB1	10.00	16.00	12.60	14.20
-07AB1	12.00	18.00	14.60	16.20
-08AB1	14.00	20.00	16.60	18.20
-09AB1	16.00	22.00	18.60	20.20
-10AB1	18.00	24.00	20.60	22.20
-11AB1	20.00	26.00	22.60	24.20
-12AB1	22.00	28.00	24.60	26.20
-13AB1	24.00	30.00	26.60	28.20
-14AB1	26.00	32.00	28.60	30.20
-15AB1	28.00	34.00	30.60	32.20
-16AB1	30.00	36.00	32.60	34.20



SPECIFICATIONS

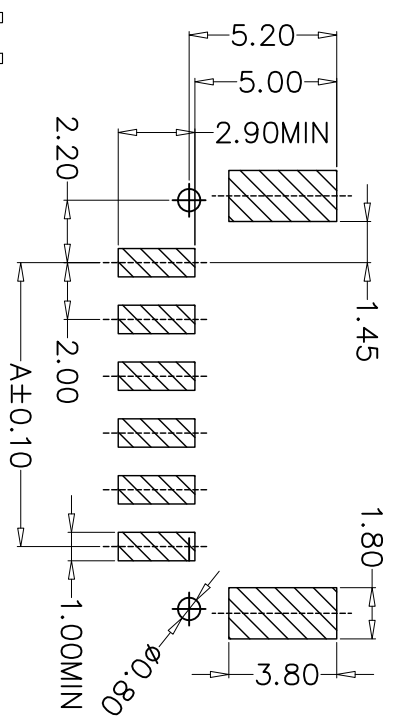
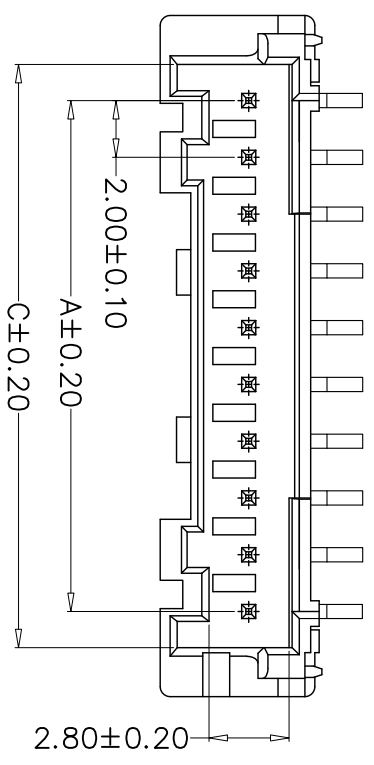
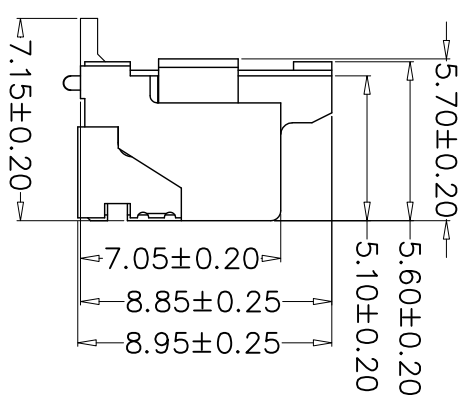
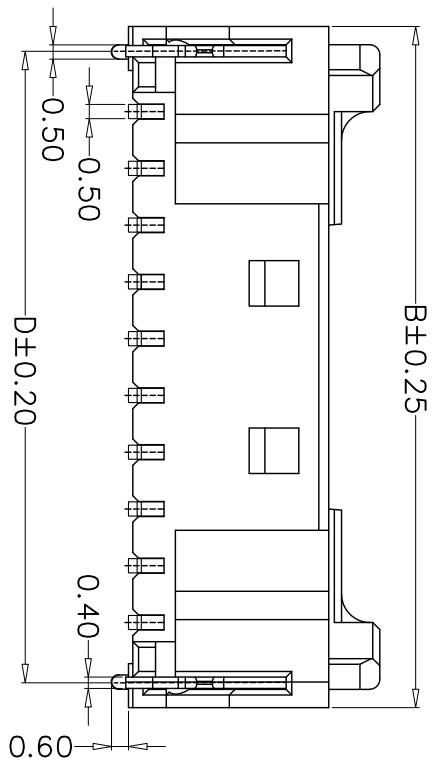
- 1、Current Rating: 3A AC, DC
 - 2、Voltage Rating: 250V AC, DC
 - 3、Temperature Range: -25°C~+85°C
 - 4、Contact Resistance: 20mΩ Max
 - 5、Insulation Resistance: 1000MΩ Min
 - 6、Withstanding Voltage: 800V AC/minute
 - 7、Material: Wafer PA6T, UL94V-0
- PIN Brass Tin-plated
Solder tab Brass Tin-plated

GENERAL TOLERANCE		制图	
X.±0.25	X.±2°	Mapping	张迎春
X.±0.20	X.±1°	审核	钱岳生
.XX±0.15	.XX±0.5°	核准	张名
.XXX±0.10	.XXX±0.5°	Approved	2022、09、08
		Units	MM
		SCALE	1:1

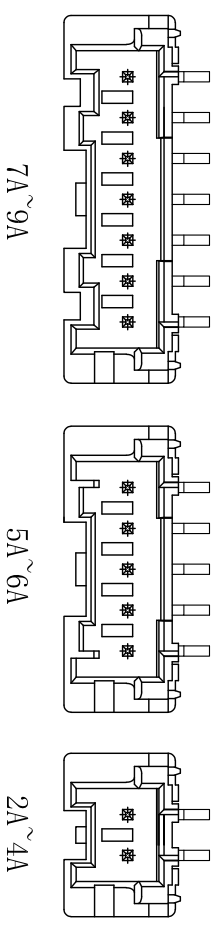
料号 A20005-nAB1 版本 A
 品名 PAE侧插式贴片 页次 1/1
 TITLE WATER SMT TYPE SHEET
 客户料号 CUST. NO.

 YueDing HongYi Electronics Co., Ltd

版本 REV.	日期 DATE	ECN NO.	变更内容 DESCRIPTION	制图 DRAWN



PIN	尺寸 (mm)			
	A	B	C	D
-02AB2	2.00	8.00	4.60	6.20
-03AB2	4.00	10.00	6.60	8.20
-04AB2	6.00	12.00	8.60	10.20
-05AB2	8.00	14.00	10.60	12.20
-06AB2	10.00	16.00	12.60	14.20
-07AB2	12.00	18.00	14.60	16.20
-08AB2	14.00	20.00	16.60	18.20
-09AB2	16.00	22.00	18.60	20.20
-10AB2	18.00	24.00	20.60	22.20
-11AB2	20.00	26.00	22.60	24.20
-12AB2	22.00	28.00	24.60	26.20
-13AB2	24.00	30.00	26.60	28.20
-14AB2	26.00	32.00	28.60	30.20
-15AB2	28.00	34.00	30.60	32.20
-16AB2	30.00	36.00	32.60	34.20



SPECIFICATIONS

- 1、Current Rating: 3A AC, DC
- 2、Voltage Rating: 250V AC, DC
- 3、Temperature Range: -25°C~+85°C
- 4、Contact Resistance: 20mΩ Max
- 5、Insulation Resistance: 1000MΩ Min
- 6、Withstanding Voltage: 800V AC/minute
- 7、Material: Wafer PA6T, UL94V-0
PIN Brass Tin-plated
Solder tab Brass Tin-plated

GENERAL TOLERANCE		制图		比例	
		Mapping	张迎春	MM	SCALE
X.±0.25	X.±2°	审核	钱岳生	2022, 09, 08	1:1
X.±0.20	X.±1°	核准	张名	2022, 09, 07	
.XX±0.15	.XX±0.5°	Approved	张名	2022, 09, 08	
.XXX±0.10	.XXX±0.5°	Units	张名	2022, 09, 08	

料号	版本
A20005-nAB2	A
品名	PAE侧插贴片带柱
TITLE	WAIVER SMT TYPE
客户料号	REV. 1/1
CITL. NO.	SHEET 1/1

乐清市宏一电子有限公司
YueDing HongYi Electronics Co., Ltd