

产 品 规 格 书

SPECIFICATION FOR APPROVAL

产 品 名 称

PRODUCT NAME

压接式条形连接器

产 品 型 号

PRODUCT NUMBER

PH

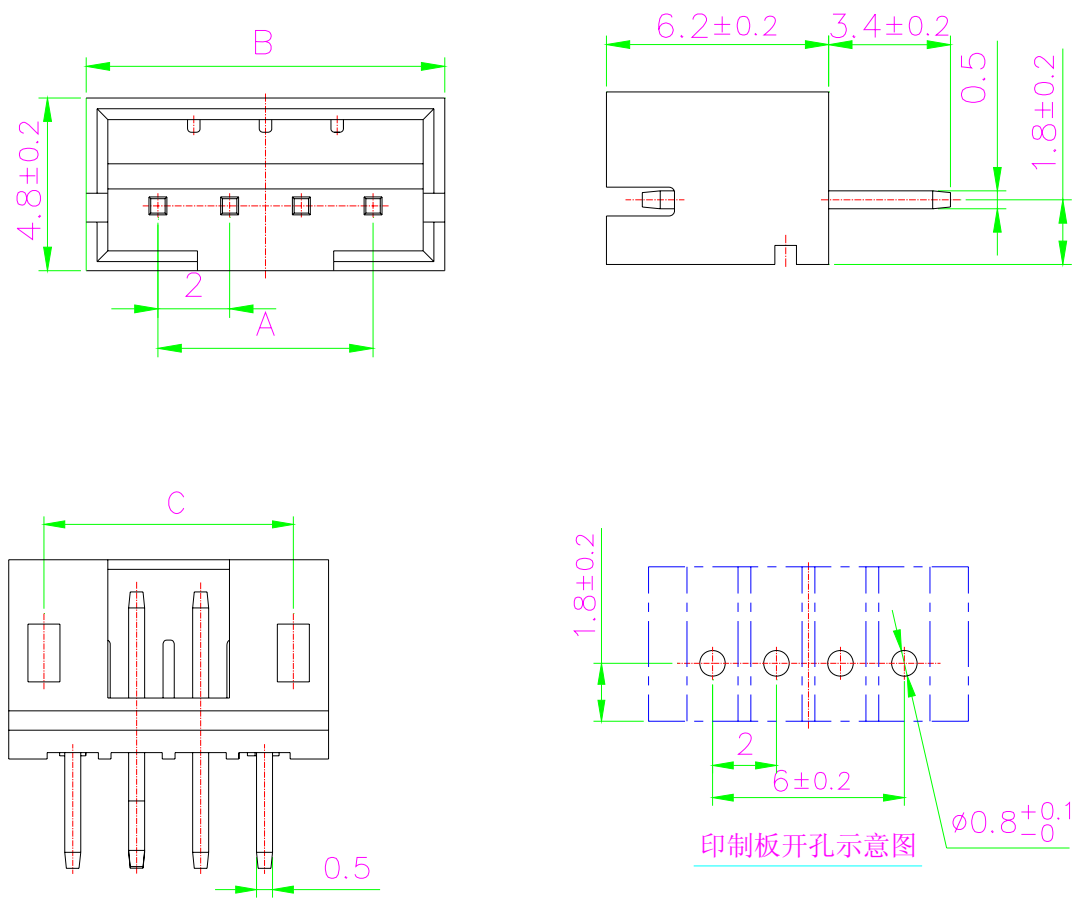
日 期

DATE

2011.07.01

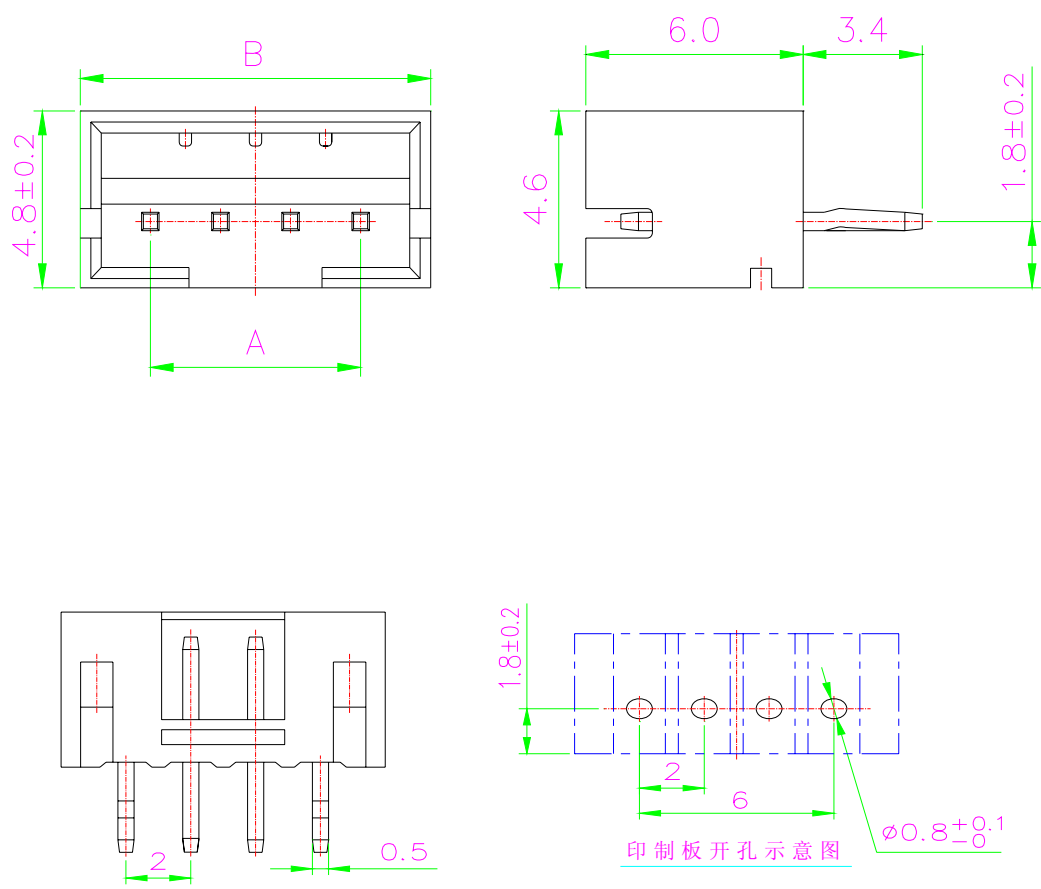
编 制 ORGANIZER	审 核 CHECK	批 准 APPROVAL

PH-A



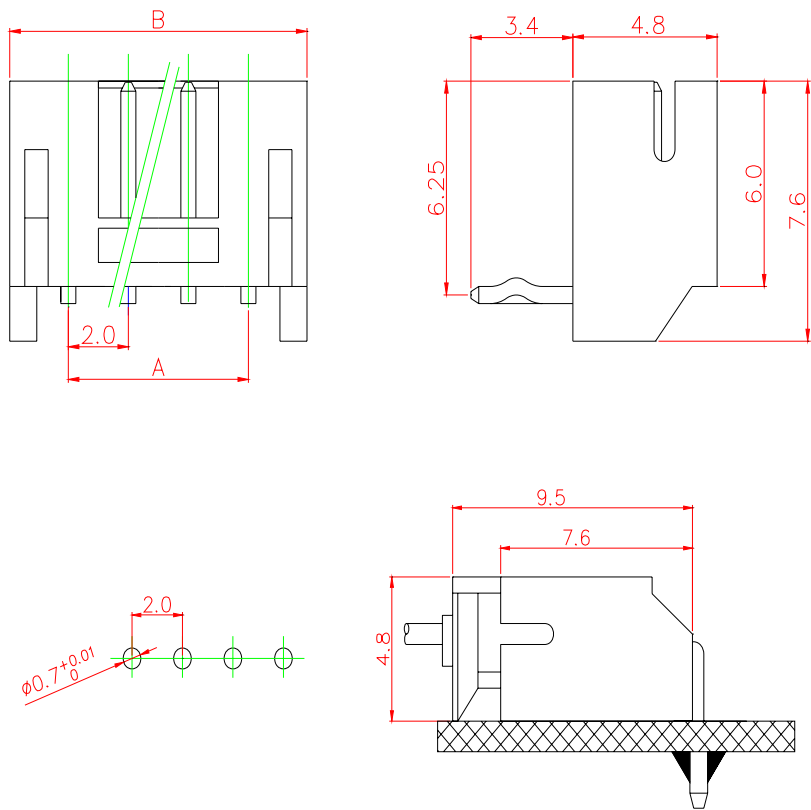
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6	PH-6A	10.0	14.0
7	PH-7A	12.0	16.0
8	PH-8A	14.0	18.0
9	PH-9A	16.0	20.0
10	PH-10A	18.0	22.0
11	PH-11A	20.0	24.0
12	PH-12A	22.0	26.0

PH-AK



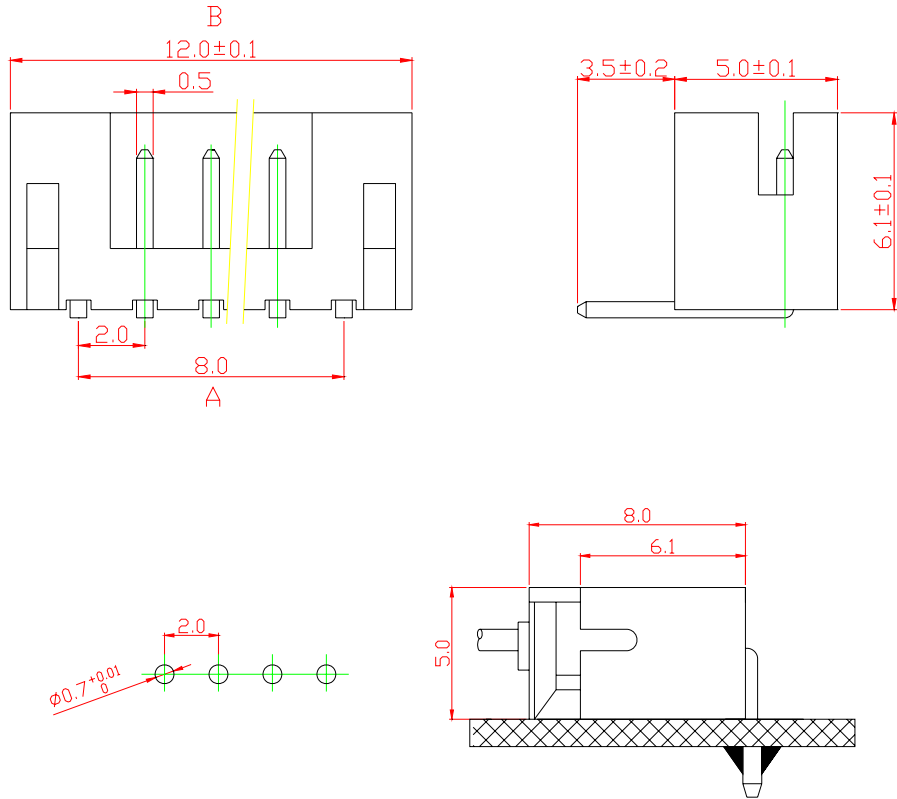
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6	PH-6AK	10.0	14.0
7	PH-7AK	12.0	16.0
8	PH-8AK	14.0	18.0
9	PH-9AK	16.0	20.0
10	PH-10AK	18.0	22.0
11	PH-11AK	20.0	24.0
12	PH-12AK	22.0	26.0

PH-AWD



位数	型号	尺 寸	
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2	PH-2AWD	2.0	6.0
3	PH-3AWD	4.0	8.0
4	PH-4AWD	6.0	10.0
5	PH-5AWD	8.0	12.0
6	PH-6AWD	10.0	14.0
7	PH-7AWD	12.0	16.0
8	PH-8AWD	14.0	18.0
9	PH-9AWD	16.0	20.0
10	PH-10AWD	18.0	22.0
11	PH-11AWD	20.0	24.0
12	PH-12AWD	22.0	26.0

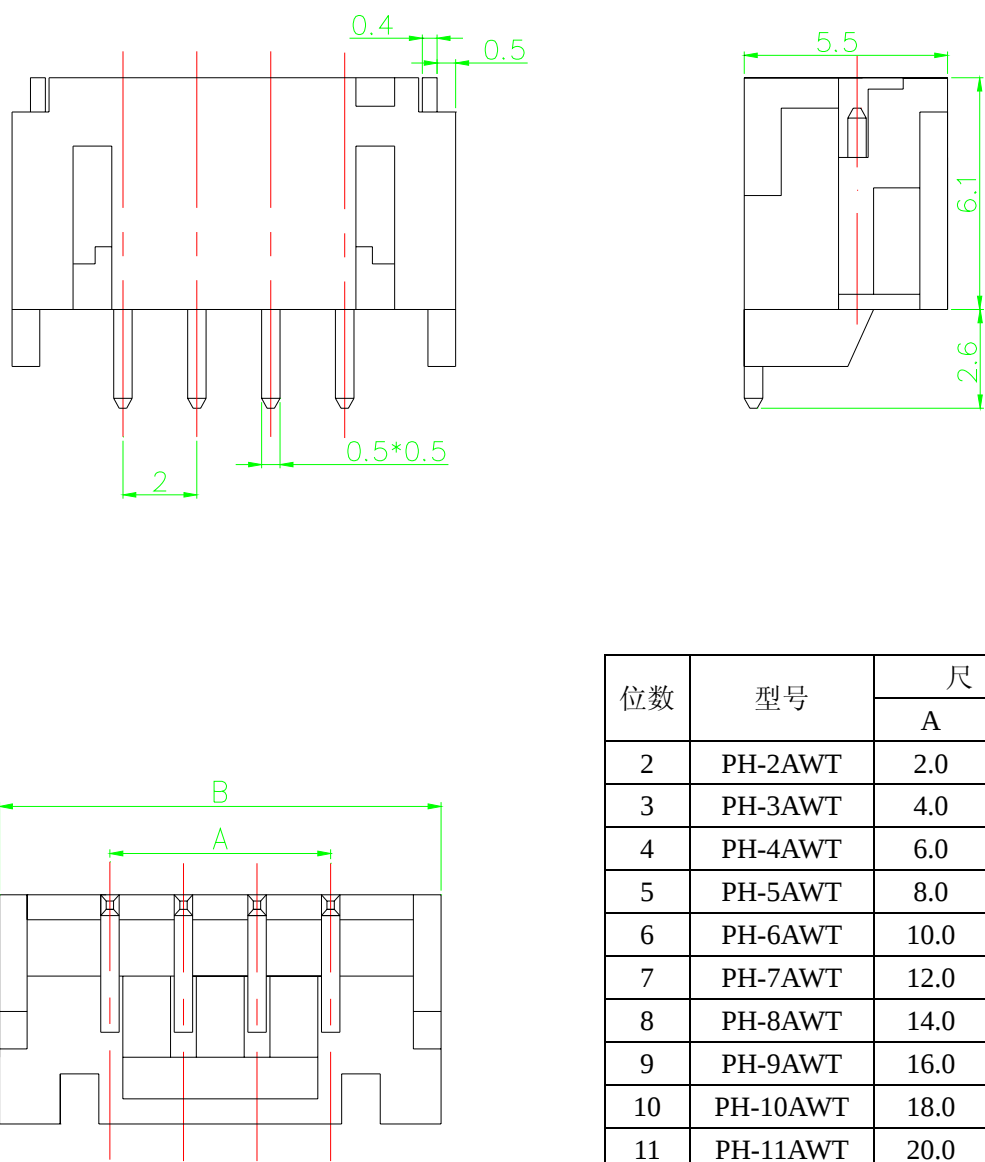
PH-AW



安装图

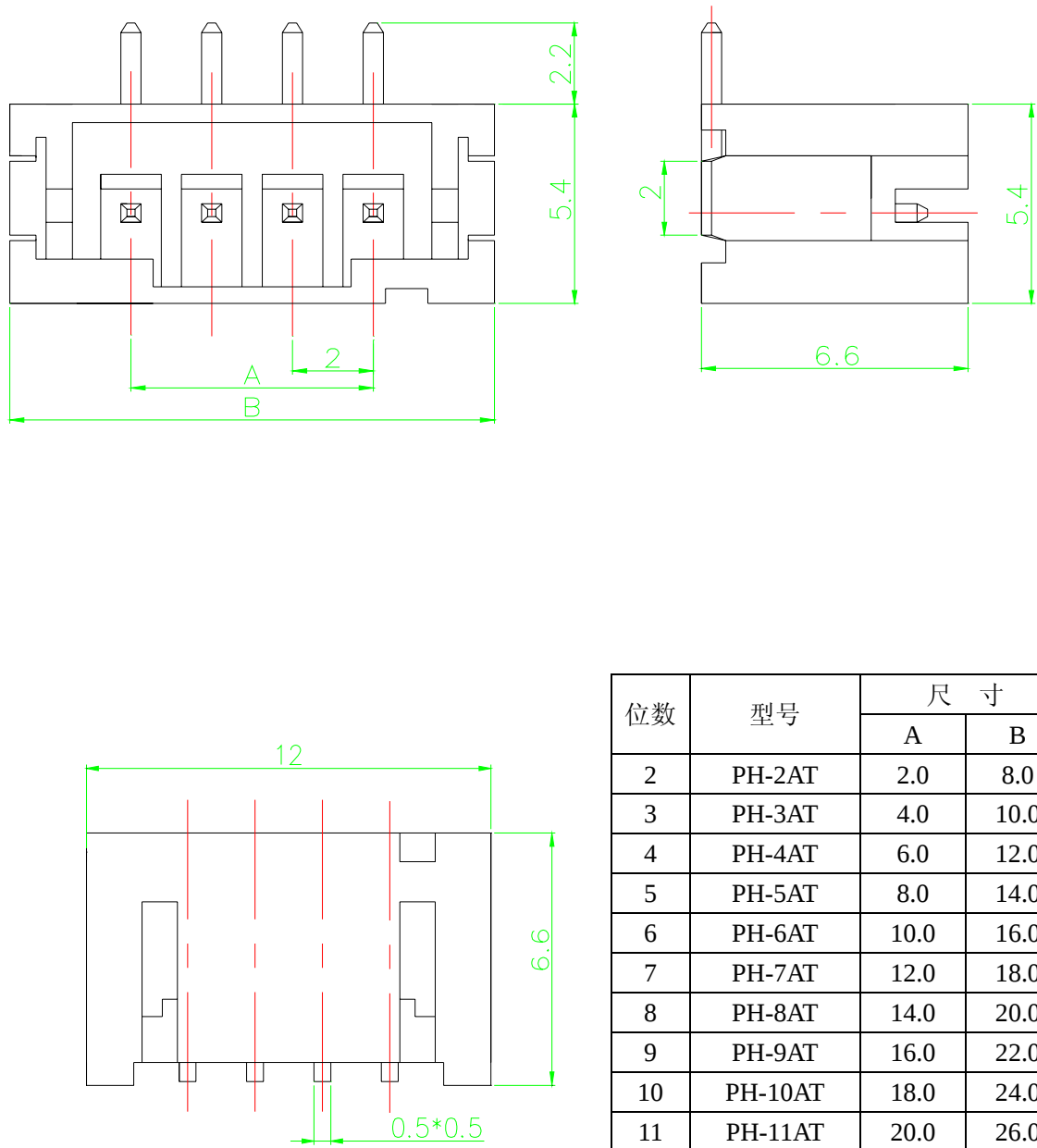
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5	PH-5AW	8.0	12.0
6	PH-6AW	10.0	14.0
7	PH-7AW	12.0	16.0
8	PH-8AW	14.0	18.0
9	PH-9AW	16.0	20.0
10	PH-10AW	18.0	22.0
11	PH-11AW	20.0	24.0
12	PH-12AW	22.0	26.0

PH-AWT



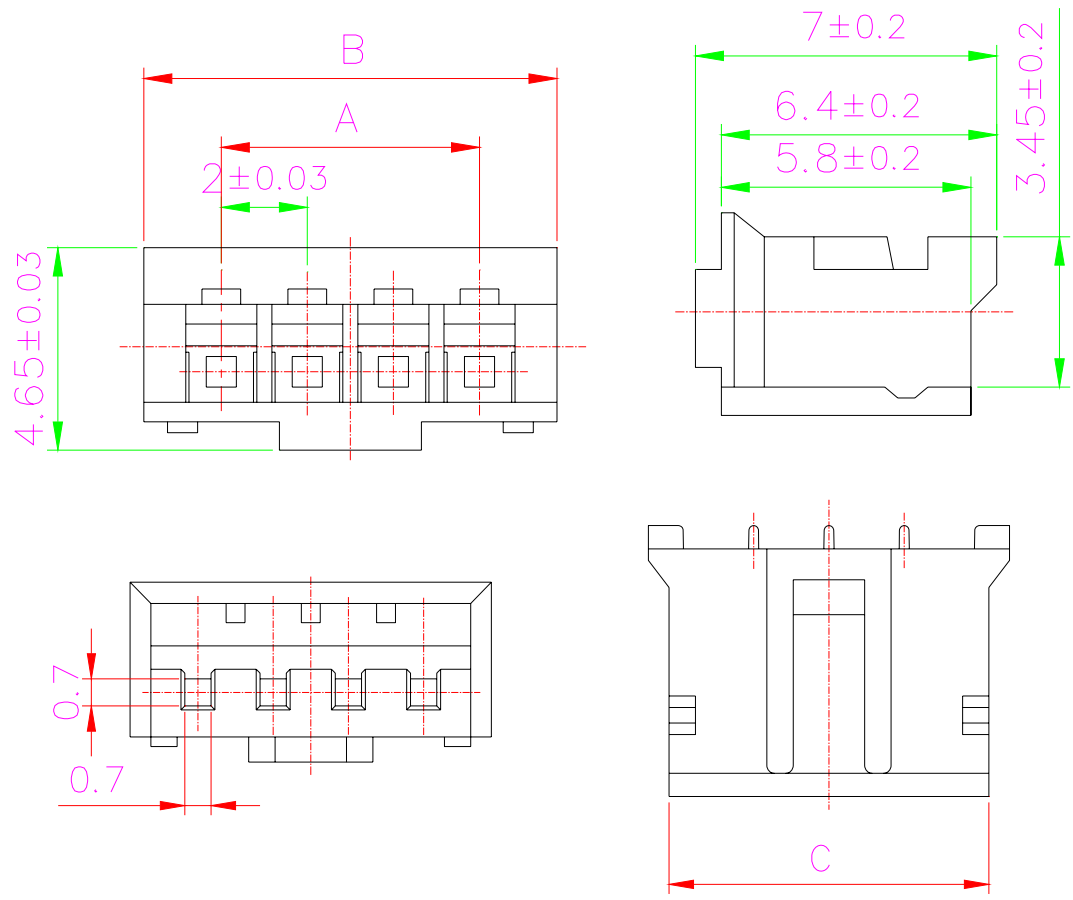
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4	PH-4AWT	6.0	12.0
5	PH-5AWT	8.0	14.0
6	PH-6AWT	10.0	16.0
7	PH-7AWT	12.0	18.0
8	PH-8AWT	14.0	20.0
9	PH-9AWT	16.0	22.0
10	PH-10AWT	18.0	24.0
11	PH-11AWT	20.0	26.0
12	PH-12AWT	22.0	28.0

PH-AT



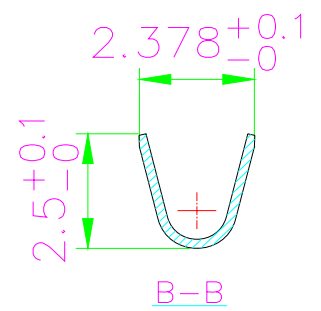
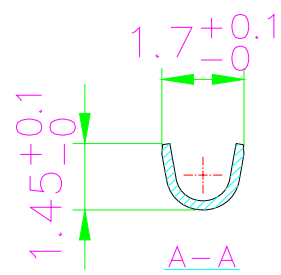
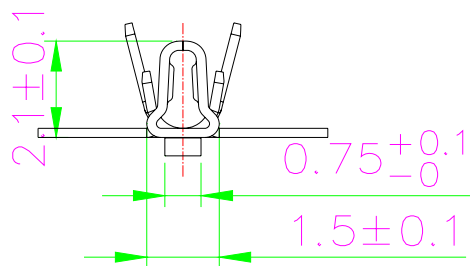
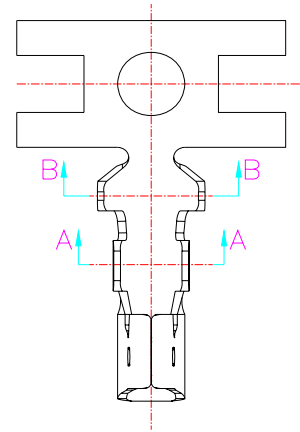
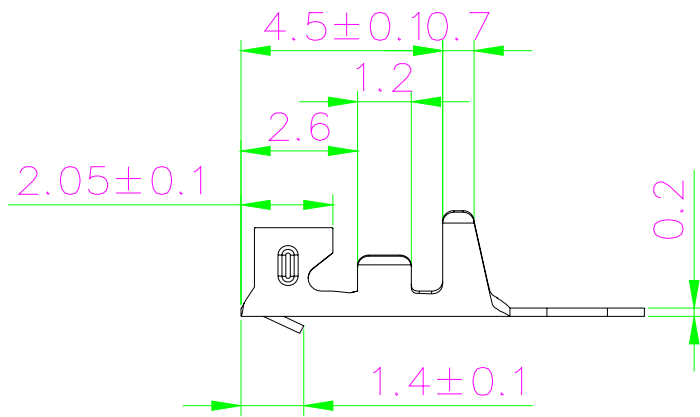
位数	型号	尺寸	
		A	B
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3	PH-3AT	4.0	10.0
4	PH-4AT	6.0	12.0
5	PH-5AT	8.0	14.0
6	PH-6AT	10.0	16.0
7	PH-7AT	12.0	18.0
8	PH-8AT	14.0	20.0
9	PH-9AT	16.0	22.0
10	PH-10AT	18.0	24.0
11	PH-11AT	20.0	26.0
12	PH-12AT	22.0	28.0

PH-Y



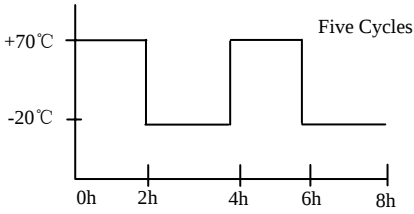
位数	型号	尺 寸		
		A	B	C
2	PH-2Y	2.0	5.6	4.5
3	PH-3Y	4.0	7.6	6.5
4	PH-4Y	6.0	9.6	8.5
5	PH-5Y	8.0	11.6	10.5
6	PH-6Y	10.0	13.6	12.5
7	PH-7Y	12.0	15.6	14.5
8	PH-8Y	14.0	17.6	16.5
9	PH-9Y	16.0	19.6	18.5
10	PH-10Y	18.0	21.6	20.5
11	PH-11Y	20.0	23.6	22.5
12	PH-12Y	22.0	25.6	24.5

PH-T



ITEM 项目		TEST CONDITIONS 测试条件	PERFORMANCE 性能要求
1. ELECTRICAL PERFORMANCE 电气性能			
1.1、VOLTAGE RATING 额定电压：50V AC/DC 50Hz (RMS)			
1.2、CURRENT RATING 额定电流： 0.5A AC/DC			
1A	CONTACT RESISTANCE 接触电阻	BEING MEASURED AT 1K Hz±200Hz AT NO LOAD 在 1KHz±200Hz 无载条件下测量	0.02 Ω Max. 0.02 Max.
1B	INSULATION RESISTANCE 绝缘电阻	APPLY DC 500V BETWEEN ANY TWO OPEN TERMINALS AND BETWEEN THE TERMINAL AND THE FRAME FOR 30 SECOND 在 DC 500V 条件下测任意两个端子之间绝 缘电阻持续 30 秒	1000MΩ Min. 1000MΩ Min.
1C	WITHSTAND VOLTAGE 耐 压	APPLY 500V AC(RMS) BETWEEN ANY OPEN TERMINALS AND BETWEEN THE TERMINAL & THE FRAME, FOR 60 SECOND 在端子之间加 500V AC 电压，持续 60 秒	SHALL BE FREE FROM DIELECTIC BREAKAGE 无击穿现象出现及飞弧闪烁发生
2. MECHANICAL PERFORMANCE 机械性能			
2A	TERMINAL STRENGTH 端子强度	A STATIC FORCE OF 5N BEING APPLIED IN ONE DIRECTION ON THE TIP OF THE TERMINAL FOR 30 SECOND 一个 5N 的静负荷垂直施加在端子顶部方 向上持续 30 秒	THE TERMINAL MAY BE DEFORMED, BUT SHALL NOT SUSTAIN ANY TROUBLE AS DEVIATION AND BREAKING OF INSULATION MATERIAL ELECTRICAL PERFORMANCE OF THE ABOVE ITEM 4 SHALL BE ASSURED 端子无脱落、松动、塑件体无破裂，并 且满足各项电气性能，端子可允许有变 形。

ITEM 项目		TEST CONDITIONS 测试条件	PERFORMANCE 规格
3. DURABILITY 耐久性			
3A	LIFE TEST 寿命试验	AT THE CONDITIONS OF 250V DC 3A , 50,000 CYCLES OPERATING AT A RATE OF 15-20 CYCLES PER MINUTE 在 250V DC 3A 负载条件下, 以操作频率为 15-20 次插拔产品 50,000 次	(1)CONTACT RESISTANCE 0.03 Ω Max. 接触电阻 0.03 Ω Max. (2)INSULATION RESISTANCE 500M Ω Min. 绝缘电阻 500 M Ω Min. (3)WITHSTAND VOLTAGE 500VAC FOR 1 MINUTE 耐电压 500V AC 于 1 分钟 (4)OPERATING FORCE $\pm$ 30% INITIAL VALUE 动作力变化范围初始值 $\pm$ 30% (5)THERE SHALL BE NO DEFECTS IN APPEARANCE OR IN THE MECHANICAL FUNCTIONS 测试后外表无损伤, 并且满足机械性能
3B	HEAT TEST 高温试验	70 $\pm$ 2 $^{\circ}$ C FOR 16 HOURS, AFTER TEST KEPT IN NORMAL CONDITION FOR 60 MINUTES 在 70 $\pm$ 2 $^{\circ}$ C 环境中放 16 小时, 再放在正常 环境中 60 分钟后进行测试	WITHOUT HARMFUL DAMAGE IN APPEARANCE, MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED 外表未被破坏, 机械及电气性能可被满 足
3C	HUMIDITY TEST 耐湿热性试验	40 $\pm$ 2 $^{\circ}$ C、90-95%(RH) FOR 96 HOURS, AFTER TEST KEPT IN NORMAL CONDITION FOR 60 MINUTES 在 40 $\pm$ 2 $^{\circ}$ C、90-95%的相对湿度环境中 96 小时, 再放在正常环境 60 分钟后进行测试	CONTACT RESISTANCE 0.02 Ω Max. 接触电阻 0.02 Ω Max.
3D	COLD TEST 低温试验	-20 $^{\circ}$ C $\pm$ 2 $^{\circ}$ C FOR 4 HOURS, AFTER TEST KEPT IN NORMAL CONDITION FOR 60 MINUTES 在-20 $^{\circ}$ C $\pm$ 2 $^{\circ}$ C 环境中放 4 小时, 再放在正 常环境中 60 分钟后进行测试	INSULATION RESISTANCE 1000M Ω Min. 绝缘电阻 1000 M Ω Min.

ITEM 项目		TEST CONDITIONS 测试条件	PERFORMANCE 规格	
3. DURABILITY 耐久性				
3E	TEMPERATURE CYCLING TEST 高低温循环试验	(TEMPERATURE)  THE CONNECTOR SHALL BE SUBJECTED TO CONDITIONS AS SHOWN IN UP, AND SHALL RETURNED AND ALLOWED TO REMAIN IN AMBIENT CONDITION FOR 2 HOURS 连接器按以上图示所示条件进行测试，测试后环境温度条件保持 2 小时。	1、THE CONNECTOR SHALL BE SATISFIED WITH ITEM 1C AND ITEM 2A; 2、INSULATION RESISTANCE: 500MΩ Min. 3、CONTACT RESISTANCE: 0.03 Ω Min. 1、产品应满足检测项目 1C 和 2A 2、绝缘电阻最小 500MΩ 3、接触电阻最大 0.03 Ω	
3F	SALT MIST TEST 盐雾试验	TESTING BATH: 1、TEMPERATURE: 35±2℃; 2、SALT WATER DEEPNESS: 5±1%; 3、TEST TIME: 48±4 HOURS; 测试方法: 1、测试温度要求为 35±2℃; 2、盐水配比浓度为 5±1%; 3、测试时间为 48±4 HOURS;	APPEARANCE 外观	NO DAMAGE 无损坏和明显腐蚀
			CONTACT RESISTANCE 接触电阻	0.05 Ω Max.
3G	SOLDERABILITY TEST 可焊性	THE TIP OF THE TERMINALS SHALL BE DIPPED 2mm IN THE SOLDER BATH AT A TEMPERATURE OF 235 ± 5 °C FOR 50.5 SECONDS 端子顶部被浸入锡焊池中 2mm 深，温度为 235±5℃，时间为 5±0.5 秒	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINMUM OF 90% OF THE SURFACE BEING IMMersed 浸入部分的以 90%上表面被焊锡覆盖	
3H	RESISTANCE TO SOLDERING HEAT TEST 耐焊接热	THE TIP OF THE TERMINALS SHALL BE DIPPED 2mm IN THE SOLDER BATH AT A TEMPERATURE OF 260 ± 5 °C ,FOR 4 ± 1 SECONDS 端子顶部被浸入锡焊池中 2mm 深，温度为 260±5℃，时间为 4±1 秒	WITHOUT HARMFUL DAMAGE IN APPEARANCE, MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED 外表未被破坏,机械及电气性能可被满足	

ITEM 项目		TEST CONDITIONS 测试条件	PERFORMANCE 规格
3. DURABILITY 耐久性			
3I	VIBRATION 震动试验	TOTAL AMPLITUDE: 2mm SWEEP RATIO: 40Hz THE ABOVE CONDITIONS SHALL BE APPLIDE FOR A PERIOD OF 5 MINUTES IN EACH OF 3 MUTUALLY PERPENDICULAR AXIS 振幅: 2 毫米 ; 频率: 40Hz ; 三个方向 每次循环 5 分钟, 共五次	CONTACT RESISTANCE : 0.02 Ω Max. 接触电阻: 0.02 Ω Max.
3J	SHOCK 碰撞试验	THE SHOCK OF 100G SHOCK BE APPLIED 1000 TIMES IN EACH OF 3 MUTUALLY PERPENDICULAR AXIS 加速度 100m/s ² , 持续时间 11ms, 共 1000 次	CONTACT RESISTANCE : 0.02 Ω Max 接触电阻: 0.02 Ω Max.
3K	PRACTICAL TEMPERATURE 使用温度范 围	-25 °C TO +85°C -25°C~+85°C温度	