

>> 手機電池連接器

1.>> Bc-7-3PD-7.0H

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-34970699
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)



◆ 主要技术参数 MAIN SPECIFICATIONS

- 额定电流: (Rated current):0.5A
- 额定电压: 50V (Rated voltage):50V
- 耐压: (Withstanding voltage):500V
- 接触电阻: (Contact resistance):30MΩ
- 绝缘电阻: (Insulation resistance):500MΩ
- 工作温度: (Temp range for usage):-20°C ~ +85°C

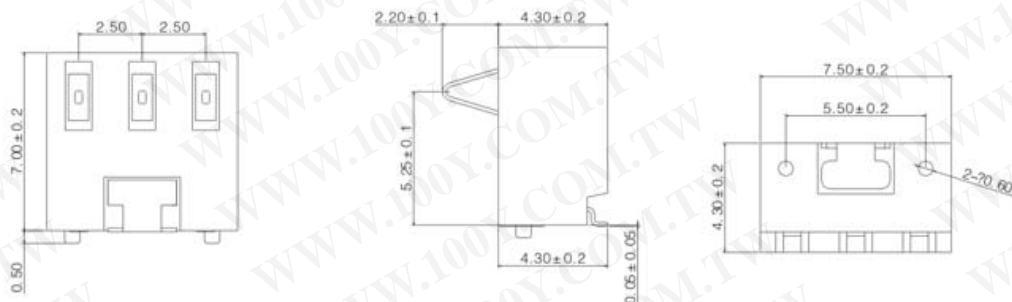
◆ 材料 MATERIAL

- 塑件 (Plastic Parts) : LCP
- 接触点 (Contact Point) : 磷铜, 镀金(phos.copper Gold-plated)

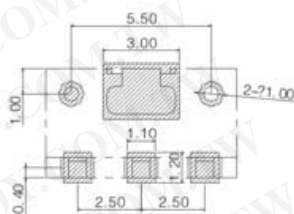
◆ 包装方式: PACKGE

- 编带包装 Tape and Reel Package
- 袋装 Bag Package

【外形尺寸】 Dimensions



【安装尺寸】 Mounting Measurement



PCB Layout

2.>> Bc-17-7p



◆ 主要技术参数 MAIN SPECIFICATIONS

- 额定电流: (Rated current):0.5A
- 额定电压: 50V (Rated voltage):50V
- 耐电压: (Withstanding voltage):500V
- 接触电阻: (Contact resistance):30MΩ
- 绝缘电阻: (Insulation resistance):500MΩ
- 工作温度: (Temp range for usage):-20℃ ~ +85℃

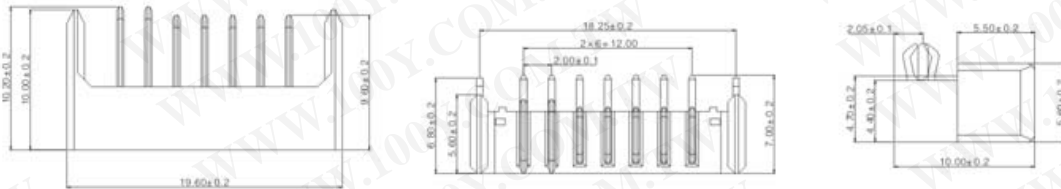
◆ 材料 MATERIAL

- 塑件 (Plastic Parts) : LCP
- 接触点 (Contact Point) : 磷铜, 镀金(phos.copper Gold-plated)

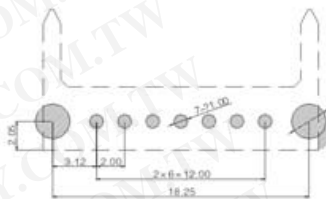
◆ 包装方式: PACKGE

- 编带包装 Tape and Reel Package
- 袋装 Bag Package

【外形尺寸】 Dimensions



【安装尺寸】 Mounting Measurement



PCB Layout

3.>> Bc-14-2p



◆ 主要技术参数 MAIN SPECIFICATIONS

- 额定电流: (Rated current):0.5A
- 额定电压: 50V (Rated voltage):50V
- 耐电压: (Withstanding voltage):500V
- 接触电阻: (Contact resistance):30MΩ
- 绝缘电阻: (Insulation resistance):500MΩ
- 工作温度: (Temp range for usage):-20℃ ~ +85℃

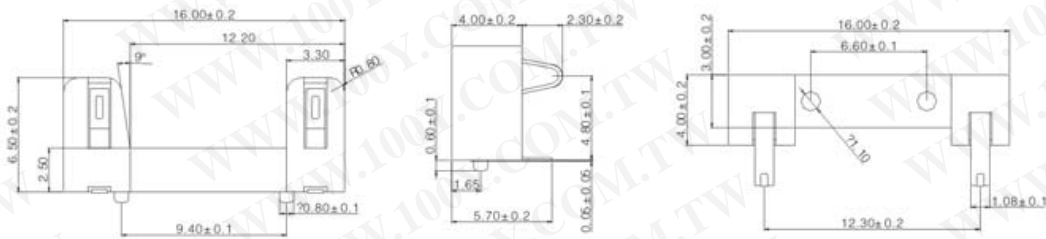
◆ 材料 MATERIAL

- 塑件 (Plastic Parts) : LCP
- 接触点 (Contact Point) : 磷铜, 镀金(phos.copper Gold-plated)

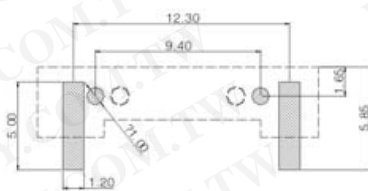
◆ 包装方式: PACKGE

- 编带包装 Tape and Reel Package
- 袋装 Bag Package

【外形尺寸】 Dimensions



【安装尺寸】 Mounting Measurement



PCB Layout

4. >> Bc-13-3P



◆ 主要技术参数 MAIN SPECIFICATIONS

- 额定电流: (Rated current):0.5A
- 额定电压: 50V (Rated voltage):50V
- 耐压: (Withstanding voltage):500V
- 接触电阻: (Contact resistance):30MΩ
- 绝缘电阻: (Insulation resistance):500MΩ
- 工作温度: (Temp range for usage):-20℃ ~ +85℃

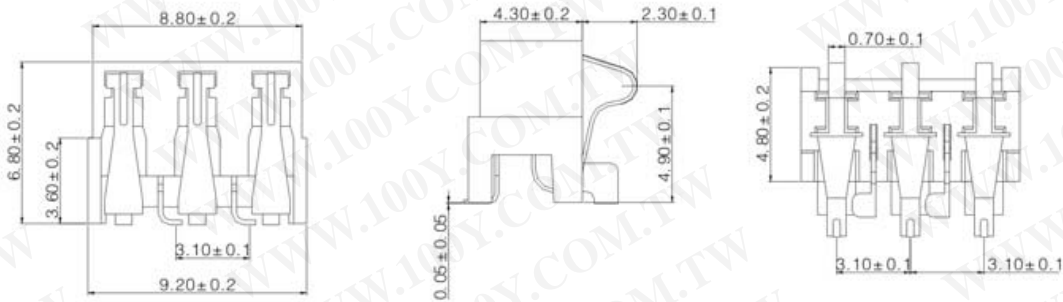
◆ 材料 MATERIAL

- 塑件 (Plastic Parts) : LCP
- 接触点 (Contact Point) : 磷铜, 镀金(phos.copper Gold-plated)

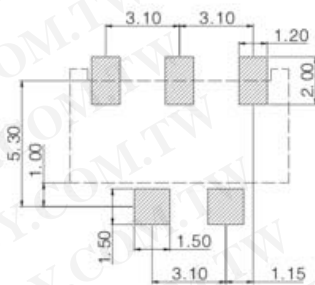
◆ 包装方式: PACKAGE

- 编带包装 Tape and Reel Package
- 袋装 Bag Package

【外形尺寸】 Dimensions



【安装尺寸】 Mounting Measurement



PCB Layout

5.>> Bc-12-4p



◆ 主要技术参数 MAIN SPECIFICATIONS

- 额定电流: (Rated current):0.5A
- 额定电压: 50V (Rated voltage):50V
- 耐压: (Withstanding voltage):500V
- 接触电阻: (Contact resistance):30MΩ
- 绝缘电阻: (Insulation resistance):500MΩ
- 工作温度: (Temp range for usage):-20℃ ~ +85℃

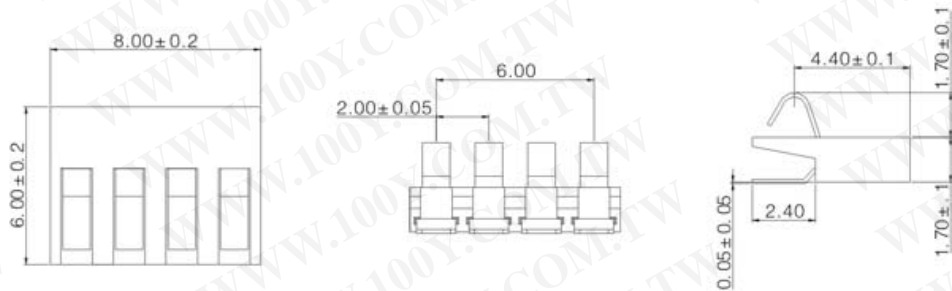
◆ 材料 MATERIAL

- 塑件 (Plastic Parts) : LCP
- 接触点 (Contact Point) : 磷铜, 镀金(phos.copper Gold-plated)

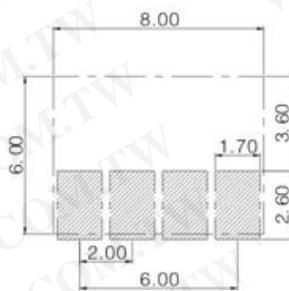
◆ 包装方式: PACKAGE

- 编带包装 Tape and Reel Package
- 袋装 Bag Package

【外形尺寸】 Dimensions



【安装尺寸】 Mounting Measurement



PCB Layout

6.>> Bc-11-4pd



◆ 主要技术参数 MAIN SPECIFICATIONS

- 额定电流: (Rated current):0.5A
- 额定电压: 50V (Rated voltage):50V
- 耐电压: (Withstanding voltage):500V
- 接触电阻: (Contact resistance):30MΩ
- 绝缘电阻: (Insulation resistance):500MΩ
- 工作温度: (Temp range for usage):-20℃ ~ +85℃

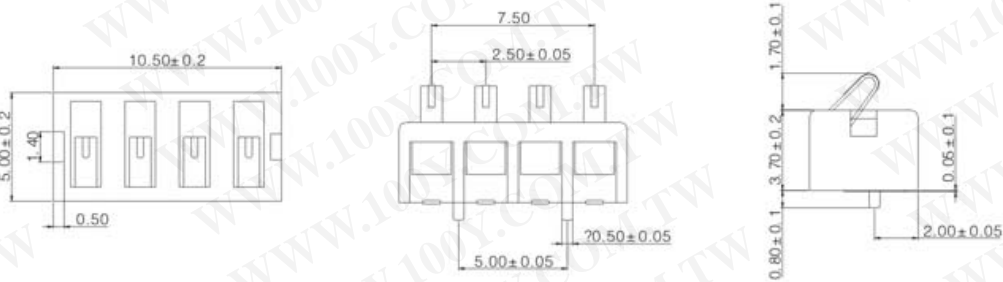
◆ 材料 MATERIAL

- 塑件 (Plastic Parts) : LCP
- 接触点 (Contact Point) : 磷铜, 镀金(phos.copper Gold-plated)

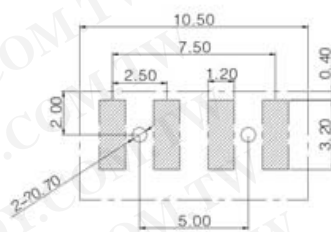
◆ 包装方式: PACKAGE

- 编带包装 Tape and Reel Package
- 袋装 Bag Package

【外形尺寸】 Dimensions



【安装尺寸】 Mounting Measurement



PCB Layout

7.>> Bc-10-3pd



◆ 主要技术参数 MAIN SPECIFICATIONS

- 额定电流: (Rated current):0.5A
- 额定电压: 50V (Rated voltage):50V
- 耐电压: (Withstanding voltage):500V
- 接触电阻: (Contact resistance):30M Ω
- 绝缘电阻: (Insulation resistance):500M Ω
- 工作温度: (Temp range for usage):-20 $^{\circ}$ C ~ +85 $^{\circ}$ C

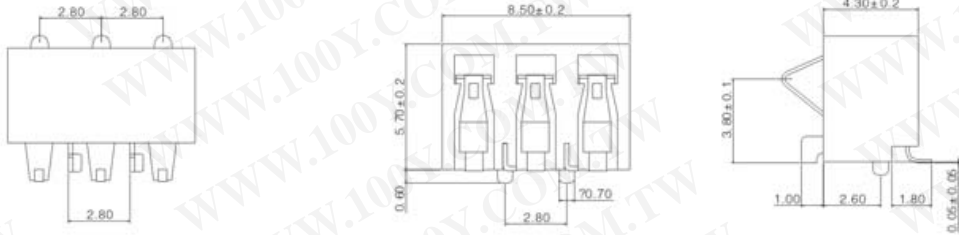
◆ 材料 MATERIAL

- 塑件 (Plastic Parts) : LCP
- 接触点 (Contact Point) : 磷铜, 镀金(phos.copper Gold-plated)

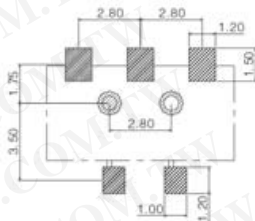
◆ 包装方式: PACKAGE

- 编带包装 Tape and Reel Package
- 袋装 Bag Package

【外形尺寸】 Dimensions



【安装尺寸】 Mounting Measurement



PCB Layout

8.>> Bc-18-3p(6.0)



◆ 主要技术参数 MAIN SPECIFICATIONS

- 额定电流: (Rated current):0.5A
- 额定电压: 50V (Rated voltage):50V
- 耐电压: (Withstanding voltage):500V
- 接触电阻: (Contact resistance):30MΩ
- 绝缘电阻: (Insulation resistance):500MΩ
- 工作温度: (Temp range for usage):-20℃ ~ +85℃

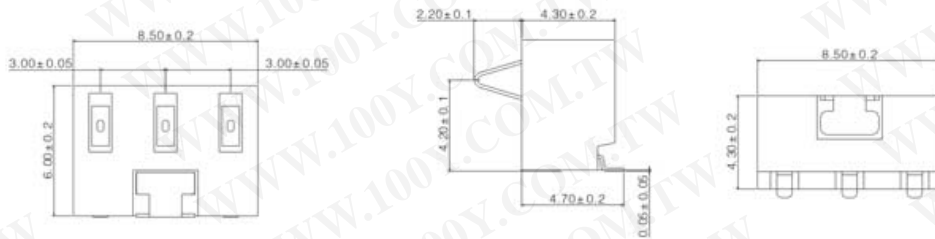
◆ 材料 MATERIAL

- 塑件 (Plastic Parts) : LCP
- 接触点 (Contact Point) : 磷铜, 镀金(phos.copper Gold-plated)

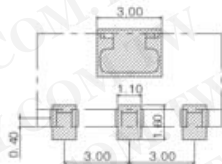
◆ 包装方式: PACKAGE

- 编带包装 Tape and Reel Package
- 袋装 Bag Package

【外形尺寸】 Dimensions



【安装尺寸】 Mounting Measurement



PCB Layout

9.>> Bc-8-3P



◆ 主要技术参数 MAIN SPECIFICATIONS

- 额定电流: (Rated current):0.5A
- 额定电压: 50V (Rated voltage):50V
- 耐压: (Withstanding voltage):500V
- 接触电阻: (Contact resistance):30MΩ
- 绝缘电阻: (Insulation resistance):500MΩ
- 工作温度: (Temp range for usage):-20℃ ~ +85℃

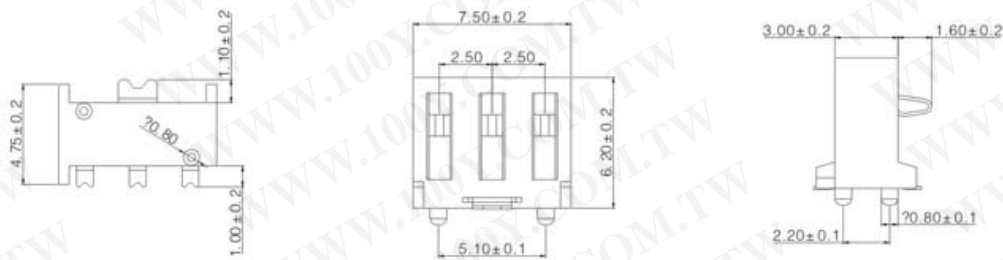
◆ 材料 MATERIAL

- 塑件 (Plastic Parts) : LCP
- 接触点 (Contact Point) : 磷铜, 镀金(phos.copper Gold-plated)

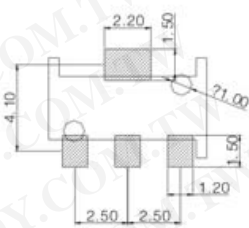
◆ 包装方式: PACKAGE

- 编带包装 Tape and Reel Package
- 袋装 Bag Package

【外形尺寸】 Dimensions



【安装尺寸】 Mounting Measurement



PCB Layout

10.>> Bc-2-4p



◆ 主要技术参数 MAIN SPECIFICATIONS

- 额定电流: (Rated current):0.5A
- 额定电压: 50V (Rated voltage):50V
- 耐电压: (Withstanding voltage):500V
- 接触电阻: (Contact resistance):30MΩ
- 绝缘电阻: (Insulation resistance):500MΩ
- 工作温度: (Temp range for usage):-20°C ~ +85°C

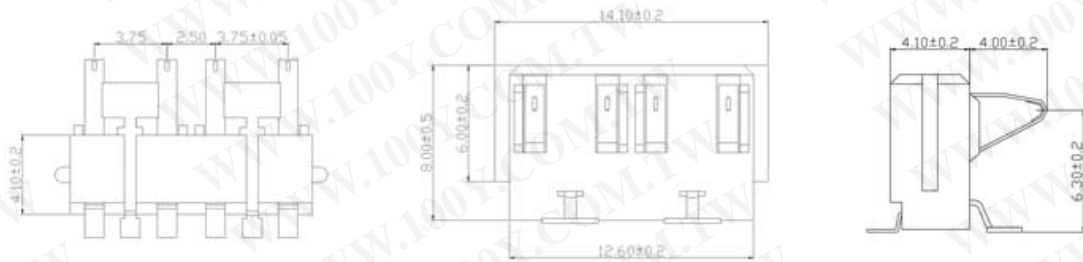
◆ 材料 MATERIAL

- 塑件 (Plastic Parts) : LCP
- 接触点 (Contact Point) : 磷铜, 镀金(phos.copper Gold-plated)

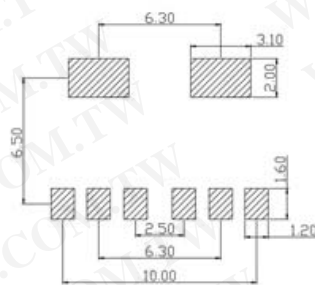
◆ 包装方式: PACKAGE

- 编带包装 Tape and Reel Package
- 袋装 Bag Package

【外形尺寸】 Dimensions



【安装尺寸】 Mounting Measurement

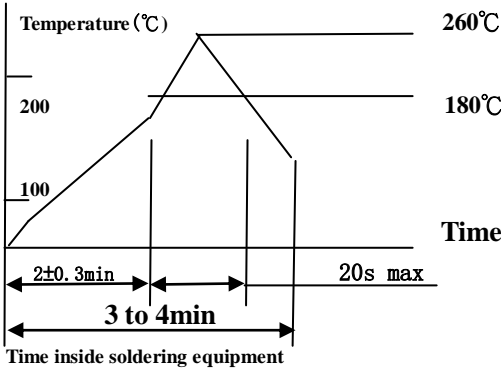


PCB Layout

ITEM 項目	TEST CONDITION 測試條件	PERFORMANCE 性能
4 · ELECTRICAL PERFORMANCE 電氣性能		
4 · 1	CONTACT RESISTANCE 接觸電阻 Being tested at 1kHz small current and voltage (100mA, 20mV) by contact resistance meter. 在 1kHz 小電流電壓 (100mA, 20mV) 下測量。	40mΩ max. 40 毫歐以下。
4 · 2	INSULATION RESISTANCE 絕緣電阻 DC 500v shall be applied for test between terminals and between terminals and frame for one minute. 在端子之間和端子與殼之間加 DC500V 條件下，持續 1 分鐘測量。	500MΩ min. 500 兆歐以上。
4 · 3	WITHSTAND VOLTAGE 耐電壓 AC 500V and induction current 1mA shall be applied for test between terminals and between terminals and frame for one minute. 在端子之間和端子與殼之間加 AC500V (50Hz 或 60Hz) 感應電流 1mA 條件下，持續 1 分鐘測量。	There shall be no breakdown. 無擊穿現象出現。
5 · MECHANICAL PERFORMANCE 機械性能		
5 · 1	TERMINAL STRENGTH 端子強度 A static force of 300g being applied in one direction on the tip of the terminal for 1 mintue. 一個 300 克之靜負荷施加於端子頂部的一個方向持續 1 分鐘。	There shall be of mechanical and electrical damage. 無任何跡象顯示機械及電器性能之損壞。

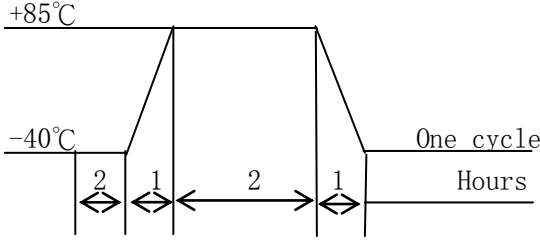
第 1 頁 共 3 頁

ITEM 項目	TEST CONDITION 測試條件	PERFORMANCE 性能
6 · DURABILITY 耐久性		
6 · 1	SOLDERING TEST 可焊性試驗 The tip of the terminal shall be dipped 2mm in the solder bath within temperature of 230±5°C for 3s. 端子頂部被侵入錫池 2mm 深，溫度 230±5°C，時間 3 秒。	Over 75% of the immersed surface was covered by tin . 侵入的部分 75% 以上表面將被錫覆蓋
6 · 2	SOLDERING RESISTANT TEST Soldering temperature 260±5°C, soldering time 3± 0.5s, immersion depth up to the surface of the	Without deformation of case or excessive looseness of

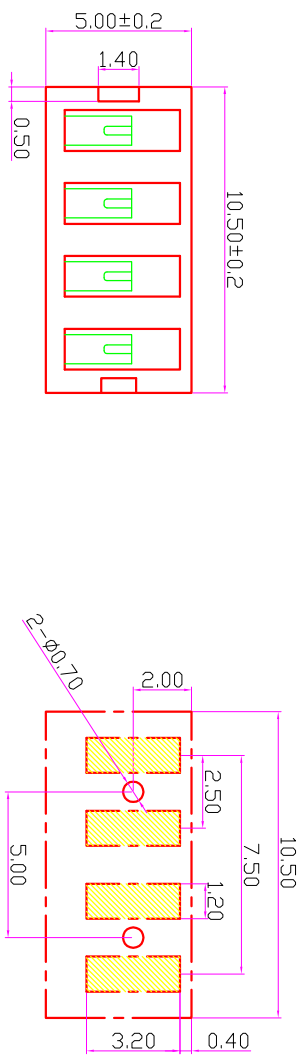
	耐焊性試驗	board, thickness of PCB 1.6mm. 焊爐焊的溫度控制在 $260\pm 5^{\circ}\text{C}$, 時間為 3 ± 0.5 秒, 於 (基板) 厚度 1.6mm. Manual soldering temperature $260\pm 5^{\circ}\text{C}$, soldering time $3\pm 0.5\text{s}$, however excessive pressure shall not be applied to the terminal. 手焊接時溫度控制在 $260\pm 5^{\circ}\text{C}$, 時間為 3 ± 0.5 秒, 但不能在端子上施加異常壓力。	electrical properties 本體無變形, 能滿足於機械、電器性能。
6·3	REFLOW SOLDERING HEAT TEST 回流 焊接熱試驗	 <p>*Temperature means the temperature of the PC board surface *溫度指 PC 板表面溫度。</p>	Without deformation of case or excessive looseness of electrical properties 本體無變形, 能滿足於機械、電器性能。

第 2 頁 共 3 頁

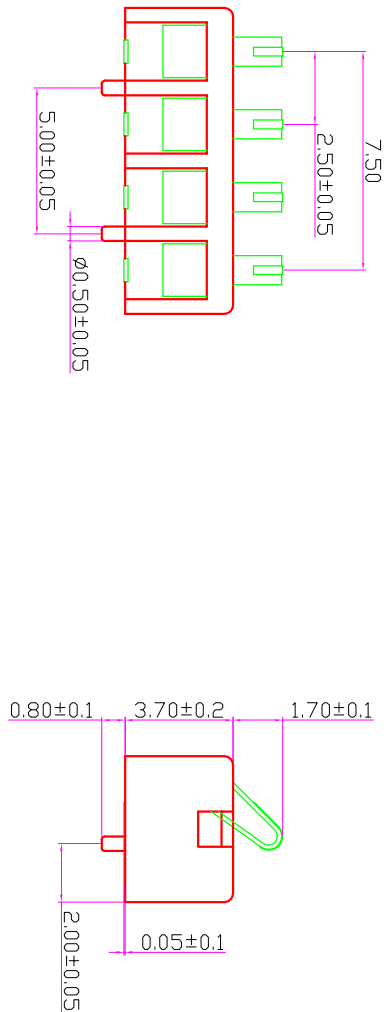
ITEM 項目	TEST CONDITION 測試條件	PERFORMANCE 性能
6·4 LIFE TEST 壽命測試	100,000cycles of operation at a rate of 30-60 cycles per minute with unloading 無負載條件, 每分鐘 1-2 次的速度操作 4,000 次。	(1) Contact resistance 200mΩ 接觸電阻 200 毫歐以下。 (2) Operating force 30% initial value. 動作力變化範圍初始值 30%。 (3) ITEM 項目——7.2 (4) ITEM 項目——7.3 (5) ITEM 項目——8.2
6·5 HEAT RESISTANCE TEST 耐熱試驗	$80\pm 2^{\circ}\text{C}$ for 96H, test after keeping in normal condition for 30min. 在 $80\pm 2^{\circ}\text{C}$ 環境中放 96 小時, 再置於正常環境中, 30 分鐘後進行測試。	(1) Contact resistance 200mΩ. 接觸電阻 200 毫歐以下。

6·6	MOISTURE RESISTANT TEST 耐濕試驗	40±2°C 90~95% RH for 96H, test after keeping in normal condition for 30min. 在 40±2°C 90~95%環境中放 96 小時，再置於正常環境中，30 分鐘後進行測試。	(2) insulation resistance 50MΩ min. 絕緣電阻 50 兆歐以上。
6·7	COLD RESISTANT TEST 耐冷試驗	At -40±3°C for 96H, test after keeping in normal condition for 30min. 在-40±3°C環境中放 96 小時，再置於正常環境中，30 分鐘後進行測試。	(3) there shall be no sign of mechanical and electrical damage. 無任何跡象顯示機械及電器性能之損壞。
6·8	TEMPERATURE CYCLIG TEST 溫度交變試驗	According to following figure, after 5cycles, test after keeping in normal condition for 30min. 如圖示之環境中，迴圈 5 次後，再置於正常環境中，30 分鐘後進行測試。 	

版次	日期	内容



PCB Layout

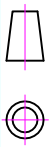


性能:

- 额定电流: 0.5A
- 额定电压: 50V
- 耐电压: 500V
- 接触电阻: 30mΩ
- 绝缘电阻: 500MΩ
- 工作温度: -20°C~+85°C
- 塑件 (材质): LCP
- 接触点 (材质): 磷铜, 镀金

BC-11-4P

尺寸公差	角度公差	拟制	审核	批准	料号	图号	比例	发行	技术部
X ±0.3	X° ±0.3°	舒兵	薛良斌	林海亮					
.XX ±0.2	.XX° ±0.2°	厂外承认用图			图号	FIT	mm	页次	1 / 1
.XXX ±0.05	.XXX° ±0.005°				比例				



1 2 3 4 5 6