

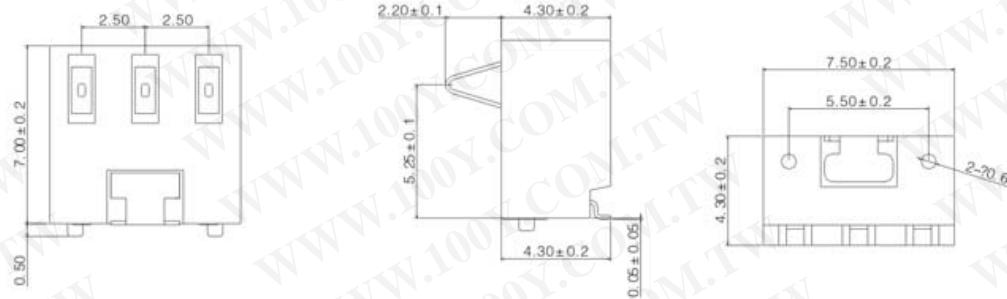
>> 手機電池連接器

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

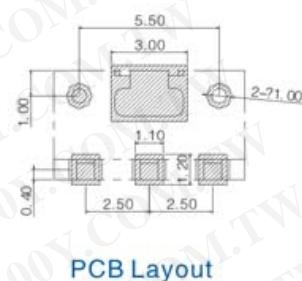
勝特力材料 886-3-5753170
胜特力电子(上海) 86-21-34970699
胜特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)



【外形尺寸】 Dimensions



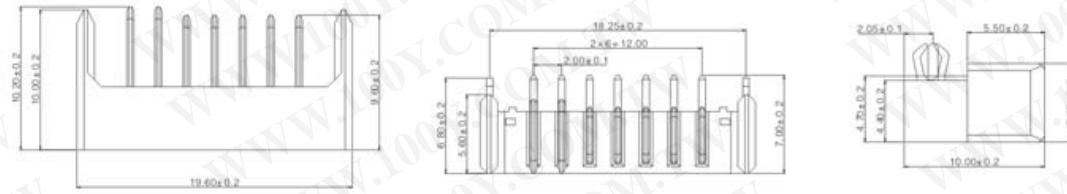
【安装尺寸】 Mounting Measurement



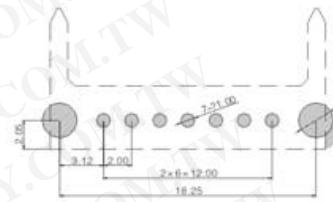
2.>> Bc-17-7p



【外形尺寸】 Dimensions



【安装尺寸】 Mounting Measurement



PCB Layout

◆ 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

3.>> Bc-14-2p



◆ 主要技术参数 MAIN SPECIFICATIONS

- 额定电流: (Rated current):0.5A
- 额定电压: (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℃

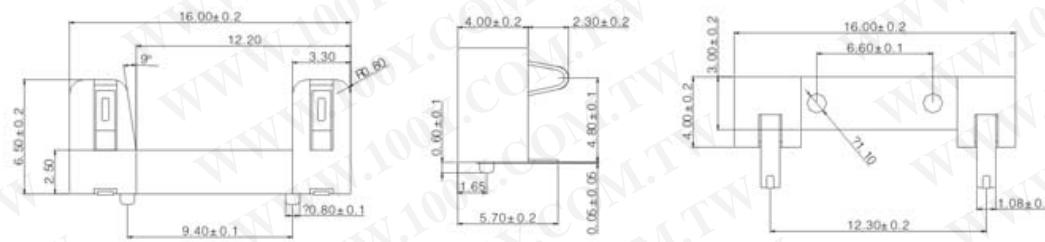
◆ 材料 MATERIAL

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

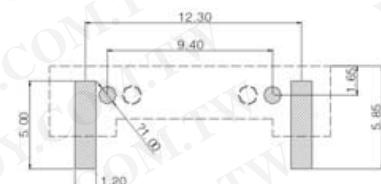
◆ 包装方式: PACKAGE

- 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

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

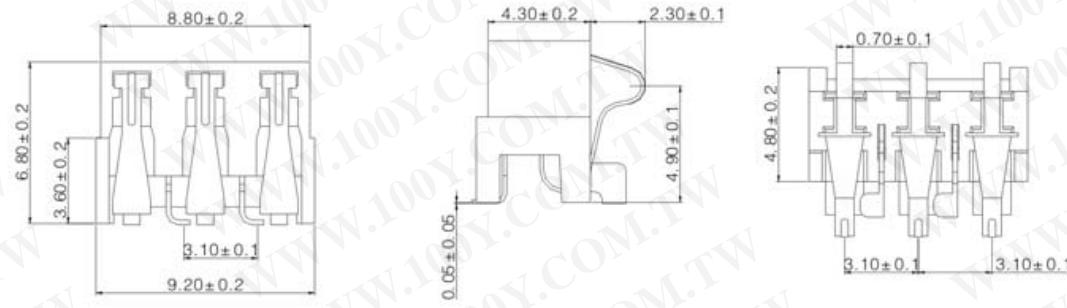
◆ 材料 MATERIAL

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

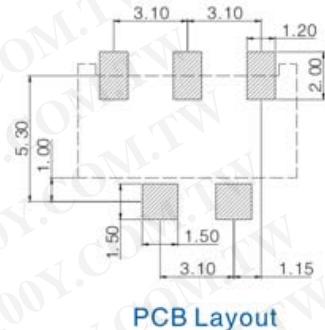
◆ 包装方式: PACKAGE

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

【外形尺寸】 Dimensions



【安装尺寸】 Mounting Measurement



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

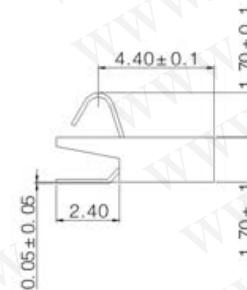
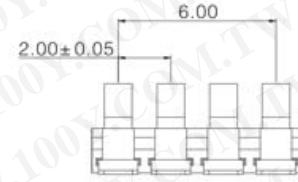
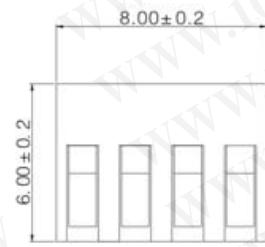
◆ 材料 MATERIAL

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

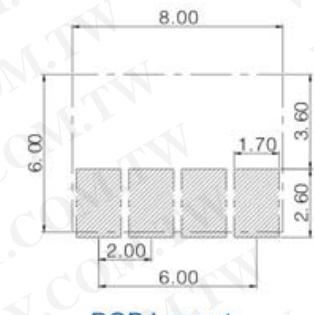
◆ 包装方式: PACKAGE

- 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°C ~ +85°C

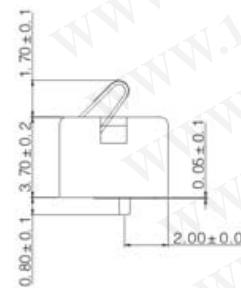
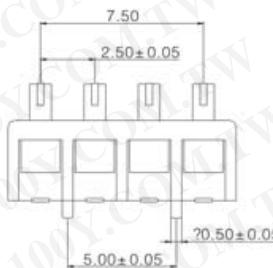
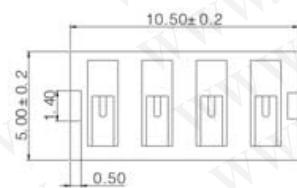
◆ 材料 MATERIAL

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

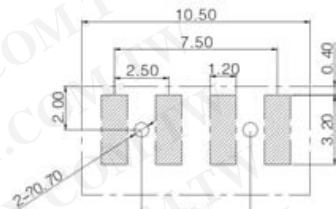
◆ 包装方式: PACKAGE

- 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

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):30MΩ
- 绝缘电阻: (Insulation resistance):500MΩ
- 工作温度: (Temp range for usage):-20°C ~ +85°C

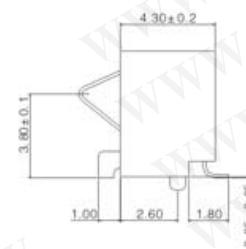
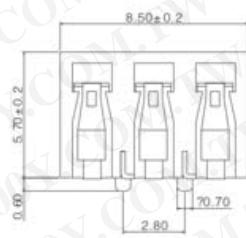
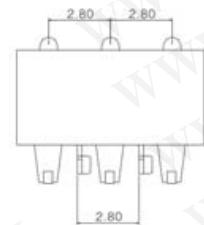
◆ 材料 MATERIAL

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

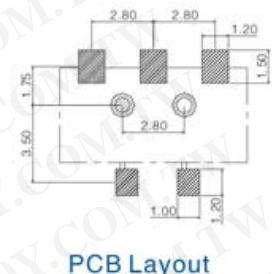
◆ 包装方式: PACKAGE

- 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

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°C ~ +85°C

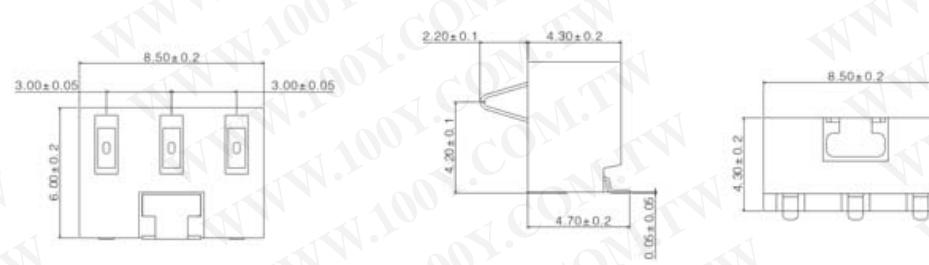
◆ 材料 MATERIAL

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

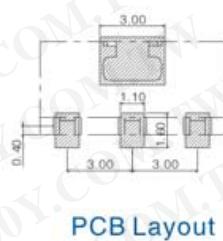
◆ 包装方式: PACKAGE

- 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

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℃

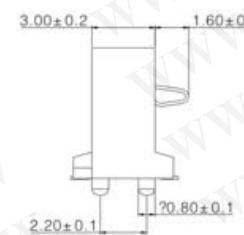
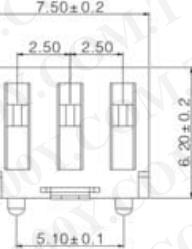
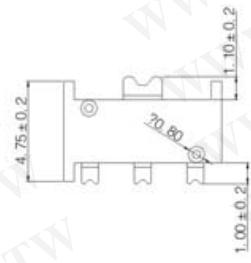
◆ 材料 MATERIAL

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

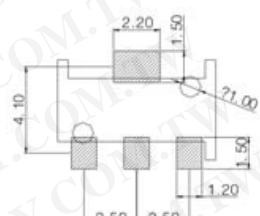
◆ 包装方式: PACKAGE

- 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

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℃ ~ +85℃

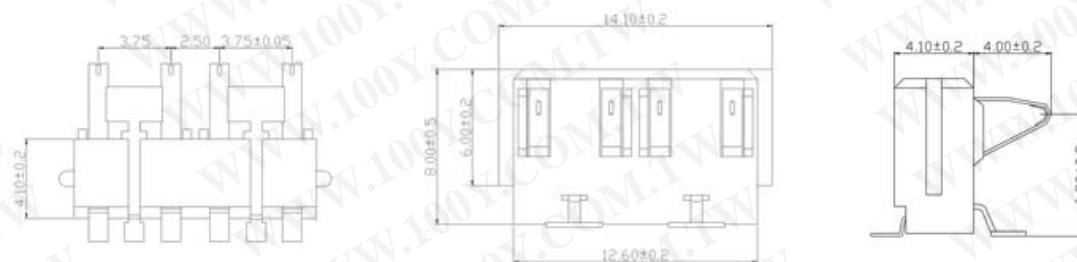
◆ 材料 MATERIAL

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

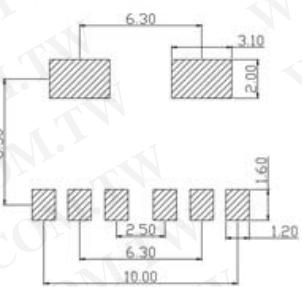
◆ 包装方式: PACKAGE

- 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

產 品 規 格 書

PRODUCT SPECIFICATION

產品名稱：

ITEM : 電池連接器

產品型號：

TYPE : BC - 11 - 4PD

制 訂：

DRAWN : _____

審 批：

APPD : _____

發佈日期：

DATE : 2008 年 10 月 12 日

規 格 書

SERTES 系列： 電池連接器

MODEL NO. 型號： BC - 11 - 4PD

1 · RATING 額定值： 0.5A 50V DC

2 · OPERATING TEMPERATUER RANGE IS-10°C TO 60°C 。 IT IS USUALLY APPLIED TO ELECTRONIC AND ELECTRICAL APPLIANCE PRODUCTS 。

溫度-10°C ~60°C 環境溫度內使用。一般適用電子、電氣方面產品使用。

3 · STORAGE TEMPERATURE RANGE : -15~70°C 。

保存溫度範圍：-15~70°C 。

| 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。 |
| 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。 |
| 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。 |
| 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。 |

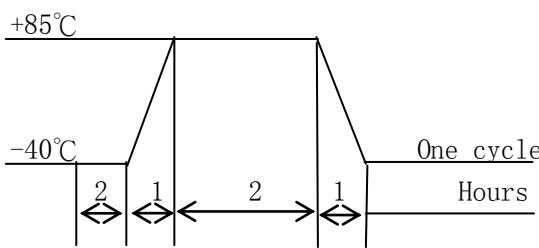
第 1 頁 共 3 頁

| 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 $230\pm5^{\circ}\text{C}$ for 3s. 端子頂部被侵入錫池 2mm 深，溫度 $230\pm5^{\circ}\text{C}$ ，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 $260\pm5^{\circ}\text{C}$, soldering time $3\pm0.5\text{s}$, immersion depth up to the surface of the |

| | | | |
|-------|--|---|---|
| | 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 ± 0.5 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。 |

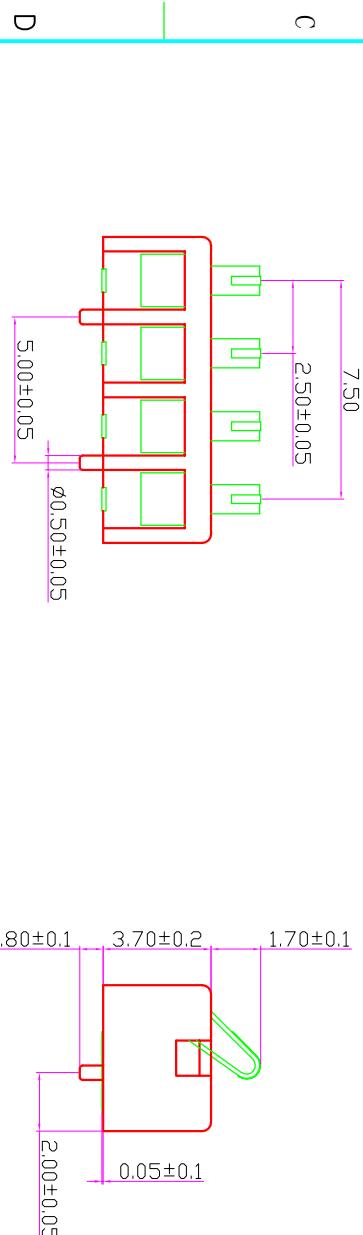
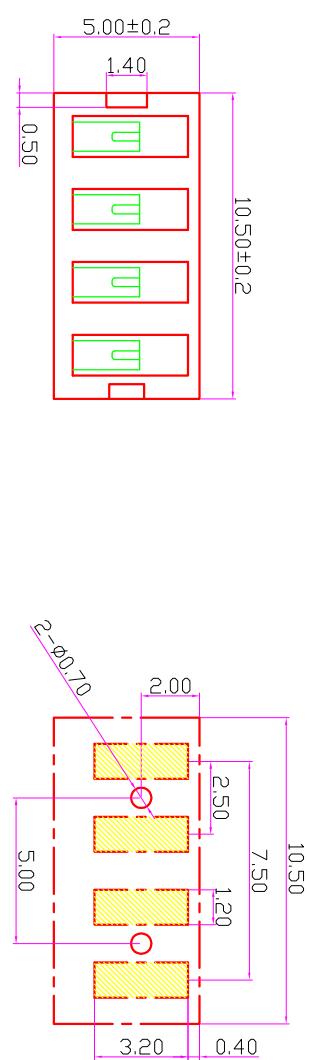
第 2 頁 共 3 頁

| 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 | $40 \pm 2^\circ\text{C}$ 90~95% RH for 96H, test after keeping in normal condition for 30min. 在 $40 \pm 2^\circ\text{C}$ 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 $50\text{M}\Omega$ min. 絕緣電阻 50 兆歐以上. (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 · 7 | COLD RESISTANT TEST 耐冷試驗 | At $-40 \pm 3^\circ\text{C}$ for 96H, test after keeping in normal condition for 30min. 在 $-40 \pm 3^\circ\text{C}$ 環境中放 96 小時，再置於正常環境中，30 分鐘後進行測試。 | |
| 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 | FIT | 发行 | 技术部 |
|-----------|--------------|--------|-----|-----|----|----|----|-----|----|-----|
| X ±0.3 | X° ±0.3° | | | | | | | | | |
| XX ±0.2 | XX° ±0.2° | | | | | | | | | |
| XXX ±0.05 | XXX° ±0.005° | 舒兵 | 薛良斌 | 林海亮 | | | | | | |
| | | 厂外承认用图 | | | | | | | | |
| | | 单 | 位 | mm | 页 | 次 | | | | |
| | | | | /1 | | | | | | |

D

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