Pin Function Definition:

1.**SPE**
   - 1.1 Rated current: 6.0 A for VBus Pin and Gnd Pin
     - 1.0 A for SBU1/SUB2
     - 0.25 A for Other Pin
   - 1.2 Voltage rating: 5 V AC
   - 1.3 Contact Resistance: 40 m Ω Max.
   - 1.4 Insulation Resistance: 1000 MΩ Min.
   - 1.5 Withstanding voltage: 500 V AC
   - 1.6 Mating force: 5~20 N
   - 1.7 Unmating force: 8~20 N Min.
   - 1.8 Operating temperature: -40°C~+85°C
   - 1.9 Material should be fulfilled Amphenol spec SSN002
      AND Customer Requirements, for halogen-free products,
      Also need to meet SSN004
      Materials need to meet SSN002 and客户需求，
      卤产品还需要满足SSN004

**NOTE/注释：**

1. SPECIFICATION/规格:
   - 1.1 Rated current（额定电流）: 6.0 A for VBus Pin and Gnd Pin
     - 1.0 A for SBU1/SUB2
     - 0.25 A for Other Pin
   - 1.2 Voltage rating（额定电压）: 5 V AC
   - 1.3 Contact Resistance（接触电阻）: 40 m Ω Max.
   - 1.4 Insulation Resistance（绝缘电阻）: 1000 MΩ Min.
   - 1.5 Withstanding voltage（耐电压）: 500 V AC
   - 1.6 Mating force（插入力）: 5~20 N
   - 1.7 Unmating force（拔出力）: 8~20 N Min.
   - 1.8 Operating temperature（工作温度）: -40°C~+85°C
   - 1.9 Material should be fulfilled Amphenol spec SSN002
      AND Customer Requirements, for halogen-free products,
      Also need to meet SSN004

---

**DATE:** 06/15/17
**MATERIAL:** RoHS Compliant

---

**DETIAL A (放大视图A):**

**SCALE 2:1 (比例: 2:1)
<table>
<thead>
<tr>
<th>No.</th>
<th>Q'ty</th>
<th>Material</th>
<th>Finish</th>
<th>Remark</th>
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<tbody>
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<td>1</td>
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<td>Stainless Steel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>1</td>
<td>Stainless Steel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>24</td>
<td>Copper alloy</td>
<td>Plating Nickel 50u&quot;</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>2</td>
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<td>Plating Nickel 50u&quot;</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>1</td>
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<td>Plating Nickel 50u&quot;</td>
<td>T=0.15</td>
</tr>
<tr>
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<td>1</td>
<td>Nylon</td>
<td>Black</td>
<td>UL94V-0</td>
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<tr>
<td>4</td>
<td>1</td>
<td>Stainless Steel</td>
<td></td>
<td>T=0.12</td>
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<tr>
<td>4</td>
<td>1</td>
<td>Stainless Steel</td>
<td></td>
<td>T=0.25</td>
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<tr>
<td>5</td>
<td>1</td>
<td>Stainless Steel</td>
<td>Plating Nickel 50u&quot;</td>
<td>T=0.20</td>
</tr>
</tbody>
</table>

Packing:
1. 1000 pcs/Reel.
2. 8 Reel/Carton.
3. Out Carton: L340*W320*H350mm, K=K.

RoHS Compliant

Recommended PCB Layout (Top View) / 推荐的 PCB 布局 (前视图)
General Tolerances: ±0.05/一般公差: ±0.05

<table>
<thead>
<tr>
<th>No.</th>
<th>Part name</th>
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<th>Material</th>
<th>Finish</th>
<th>Remarks</th>
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<tbody>
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<td>1</td>
<td>OUT SHELL</td>
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<td>Stainless Steel</td>
<td>Plating Nickel 50u&quot;</td>
<td>T=0.15</td>
</tr>
<tr>
<td>2</td>
<td>INT SHELL</td>
<td>1</td>
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<td>Plating Nickel 50u&quot;</td>
<td>T=0.12</td>
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<tr>
<td>3</td>
<td>MIDDLE PLATE</td>
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<td>Plating Nickel 50u&quot;</td>
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<tr>
<td>4</td>
<td>TERMINAL</td>
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<td>5</td>
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<td>Stainless Steel</td>
<td>Plating Nickel 50u&quot;</td>
<td>T=0.25</td>
</tr>
</tbody>
</table>

Pcb Pattern Area

Recommended PCB Layout (Top View) / 推荐的 PCB 布局 (前视图)
General Tolerances: ±0.05/一般公差: ±0.05

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