<<Outline>>

Smartphones and tablet PC equipping micro SIM (3FF UICC) Cards are increasing.
The “SF56 Series” is a push-push type connector compatible with the micro SIM card.
*SIM: Subscriber Identity Module

Features

- 1.25mm height, 14.4mm width, and 16.0mm depth, industry’s lowest-in-class height and smallest-in-class dimensions as a push-push type.
- Designed for easy operation with a card ejection stroke of 4.1mm.
- Card detection switch (normal closed) for preventing incomplete insertion.
- Design allows for visual check / repair of the terminals after the SMT mounting process.
- Balanced four hold-down points for good EMI performance.
- Pb-free, halogen-free compliant product.
- Supports automated mounting with embossed tape.

General Specifications

- No. of Contacts: 6 positions
- Contact Resistance: 100m Ω max. (initial)
- Dielectric Withstanding Voltage: AC 500Vr.m.s. for 1 minute
- Operating Temperature: -25 Deg. C to +85 Deg. C
- Rated Current: 0.5A / terminal
- Rated Voltage: 10V / terminal
- Durability: 5,000 times
### Materials and Finishes

<table>
<thead>
<tr>
<th>Component</th>
<th>Material</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signal Contact Detection-SW Contact</td>
<td>Copper Alloy</td>
<td>Au plating over Ni (contact area)&lt;br&gt;Au flash plating over Ni (terminal area)</td>
</tr>
<tr>
<td>Housing</td>
<td>Synthetic Resin</td>
<td></td>
</tr>
<tr>
<td>Cover Frame</td>
<td>Stainless Steel</td>
<td>Au flash plating over Ni (terminal area only)</td>
</tr>
<tr>
<td>Eject Bar</td>
<td>Synthetic Resin</td>
<td></td>
</tr>
<tr>
<td>Spring</td>
<td>Stainless Steel</td>
<td></td>
</tr>
<tr>
<td>Cam Follower</td>
<td>Stainless Steel</td>
<td></td>
</tr>
</tbody>
</table>

### Ordering Information

**SF56 S 006 V 4 B (R2000)**

- **Series**
- **Connector Type**<br>S: Non-ZIF structure
- **No. of Contacts**
- **Reeled Part Number (Note)**
- **Modification Code**
- **Plating Specification**<br>4. Au / Au flash plating
- **Connection Type**<br>V: SMT mounting with hold-downs

Note) An embossed tape reel contains 2,000 pcs.<br>Please contact us for details on the embossed tape specifications.
Note 1: Above drawing is for reference only.
Please refer to the most updated drawing when considering use of this product.
NOTE3. ONLY GND PATTERN AND GND VIA HOLE IN ALLOWED IN THIS AREA.
NOTE4. NO PATTERN, VIA HOLE IN THIS AREA.

**TABLE 2**

<table>
<thead>
<tr>
<th>Pin</th>
<th>Assignment</th>
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<tbody>
<tr>
<td>C1</td>
<td>Vcc</td>
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<tr>
<td>C2</td>
<td>RST</td>
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<tr>
<td>C3</td>
<td>CLK</td>
</tr>
<tr>
<td>C5</td>
<td>GND</td>
</tr>
<tr>
<td>C6</td>
<td>Vpp</td>
</tr>
<tr>
<td>C7</td>
<td>I/O</td>
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</tbody>
</table>

Note 1: Above drawing is for reference only. Please refer to the most updated drawing when considering use of this product.
### Technical Documents

<table>
<thead>
<tr>
<th>Part Number</th>
<th>SF56S006V4B</th>
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</thead>
<tbody>
<tr>
<td>Product Drawings</td>
<td>Individual Product: SJ114885</td>
</tr>
<tr>
<td></td>
<td>Embossed Reel Product: SJ114886</td>
</tr>
<tr>
<td>Specification</td>
<td>JACS-10928</td>
</tr>
<tr>
<td>Handling Instruction</td>
<td>JAHL-10928</td>
</tr>
</tbody>
</table>

### Notice:

1. The values specified in this brochure are only for reference. The products and their specifications are subject to change without notice. Contact our sales staff for further information before considering or ordering any of our products. For purchase, a product specification must be agreed upon.

2. Users are requested to provide protection circuits and redundancy circuits to ensure safety of the equipment, and sufficiently review the suitability of JAE’s products to the equipment.

3. The products presented in this brochure are designed for the uses recommended below. We strongly suggest you contact our sales staff when considering use of any of the products in any other way than the recommended applications or for a specific use that requires an extremely high reliability.

(1) Applications that require consultation:
   
   (i) Please contact us if you are considering use involving a quality assurance program that you specify or that is peculiar to the industry, such as:
   
   Automotive electrical components, train control, telecommunications devices (mainline), traffic light control, electric power, combustion control, fire prevention or security systems, disaster prevention equipment, etc.

   (ii) We may separately give you our support with a quality assurance program that you specify, when you think of a use such as:
   
   Aviation or space equipment, submarine repeaters, nuclear power control systems, medical equipment for life support, etc.

(2) Recommended applications include:

   Computers, office appliances, telecommunications devices (terminals, mobile units), measuring equipment, audiovisual equipment, home electric appliances, factory automation equipment, etc.

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