nanoSIM Card Connector
SF70 Series

<<Outline>>
Recently, smartphones and tablet PC have been equipped with nanoSIM cards. The SF70 Series is a push-eject tray type (ejected by pushing pin) connector compatible with the nanoSIM card.
(SIM: Subscriber Identity Module)

Features
- 1.25mm height, 13.3mm width, and 14.8mm depth, low-profile, space-saving.
- Superior resistance against drop with original lock structure.
- Card mis-insertion measures, card detection with SW (normal open).
- Structure that enables visual check / repair of terminal area after SMT mounting.
- Balanced 7 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 pos.
- Contact Resistance: 100mΩ max. (initial)
- Dielectric Withstanding Voltage: AC500Vr.m.s for 1 minute
- Operating Temperature: -25 Deg. C to +85 Deg. C
- Rated Current: 0.5A per terminal
- Rated Voltage: 10V per terminal
- Durability: 5,000 times

Note: Tray is not included. Tray is to be prepared by customers.
How to Eject Tray

1. Insert a pin into the hole on the tray straightly.

2. Push a pin in until a tray ejects.

3. Pull the end with finger tips and draw out a tray.

Note: Tray is not included. Tray is to be prepared by customers.
Materials and Finishes

<table>
<thead>
<tr>
<th>Component</th>
<th>Material and Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signal Contact</td>
<td>Copper alloy / Contact area Au plating over Ni</td>
</tr>
<tr>
<td>D-SW Contact</td>
<td>Termination area Au flash plating over Ni</td>
</tr>
<tr>
<td>Housing</td>
<td>Synthetic resin / None</td>
</tr>
<tr>
<td>Cover Frame</td>
<td>Stainless steel / Terminal area: Au flash plating over Ni</td>
</tr>
<tr>
<td>Eject Bar</td>
<td>Stainless steel / None</td>
</tr>
<tr>
<td>Eject Lever</td>
<td>Stainless steel / None</td>
</tr>
</tbody>
</table>

Ordering Information

**SF70 S 006 V B A (R2000)**

- **Series**: S
- **Connector Type**: S: NON-ZIF structure
- **No. of Contacts**: 006
- **Component Type**: V
- **Modification Code**: B: Au / Au flash plating
- **Reeled Part Number (Note)**: A (R2000)
- **V**: SMT mounting with hold-down

Note: An embossed tape reel contains 2,000 pieces.
Please contact us concerning packaging specifications.
<table>
<thead>
<tr>
<th>Part Number</th>
<th>SJ Drawing</th>
</tr>
</thead>
<tbody>
<tr>
<td>SF70S006VBA</td>
<td>SJ113425</td>
</tr>
</tbody>
</table>

**General Specifications**

Note 1: The tray shown in this drawing is for reference only. Tray is to be prepared by customers.

Note 2: This drawing is for reference only. Please refer to the latest drawing when considering use of this product.

**Table 1 CIRCUIT**

<table>
<thead>
<tr>
<th></th>
<th>WITHOUT TRAY</th>
<th>TRAY MATED</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSW</td>
<td><img src="image" alt="Circuit Diagram" /></td>
<td><img src="image" alt="Circuit Diagram" /></td>
</tr>
</tbody>
</table>

Unit: mm
Note 1: Above are recommended dimensions for tray designed by customers.
Note 2: Above drawing is for reference only. Please refer to the most updated product
drawing when considering use of this product.

Unit: mm
NOTE 1: ONLY GND PATTERN AND VIA HOLE IN ALLOWED IN THIS AREA.
NOTE 2: NO PATTERN, NO VIA HOLE IN THIS AREA.

Note 3: Above drawing is for reference only. Please refer to the most updated product drawing when considering use of this product.

Notice: Products shown in this brochure are made for the applications listed below. However, if the above-mentioned products are to be used in aerospace devices, marine cable-connection devices, atomic power control systems, medical equipment for life-support systems, or any other specific application requiring extremely high reliability, please contact JAE for further information.

Recommended applications: Computers, Office machines, Measuring devices, Telecommunication devices (Terminals, Mobile devices), AV devices, Household applications, FA devices, etc.

* The specifications in this brochure are subject to change without notice. Please contact JAE for information.