



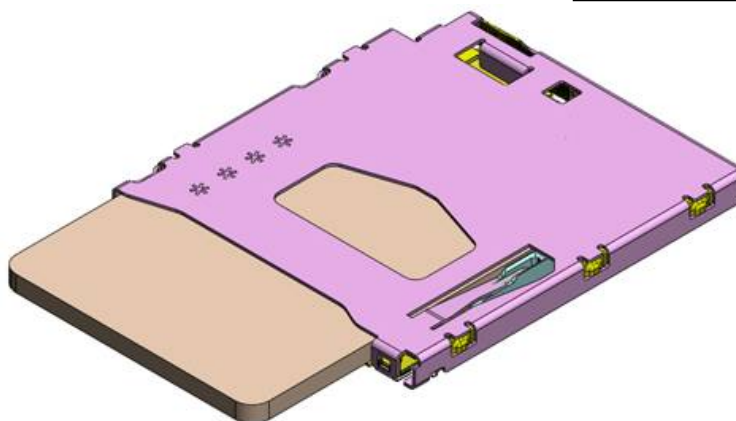
Micro SIM Card Connector

**SF56 Series**

CONNECTOR

MB-0256-1

December 2012

**RoHS Compliant**

There is growing demand for Micro SIM (Mini UICC) cards for use in smartphones and tablets.

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; designed to save space when mounting. It is the industry's most lowest-profile, push-push type connector.
- 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.

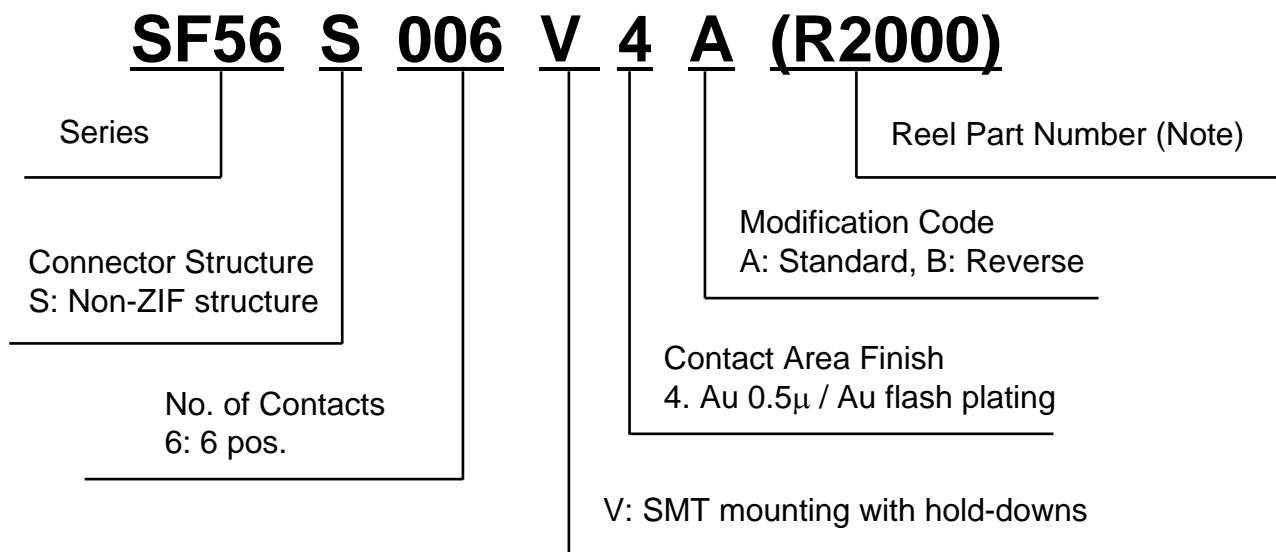
**General Specifications**

- |  |                               |
|--|-------------------------------|
| ■ No. of Contacts: 6 positions                                 | ■ Rated Current: 0.5A per pin |
| ■ Contact Resistance:<br>100mΩmax. (initial)                   | ■ Rated Voltage: 10V per pin  |
| ■ Dielectric Withstanding Voltage:<br>AC 500Vr.m.s. per minute | ■ Durability: 5,000 times     |
| ■ Operating Temperature:<br>-25 Deg. C to +85 Deg. C           |                               |

## Materials and Finishes

Component	Material / Finish
Signal Contact	Copper Alloy / Au plating over Ni 0.5μm min. (contact area)
Detection-SW Contact	Copper Alloy / Au flash plating over Ni (terminal area)
Housing	Synthetic Resin / None
Cover Frame	Stainless Steel / Terminal area: Au flash plating over Ni
Eject Bar	Synthetic Resin / None
Spring	Stainless Steel / None
Cam Follower	Stainless Steel / None

## Ordering Information



Note) An embossed tape reel contains 2,000 pcs.

Please contact us for details on the embossed tape specifications.

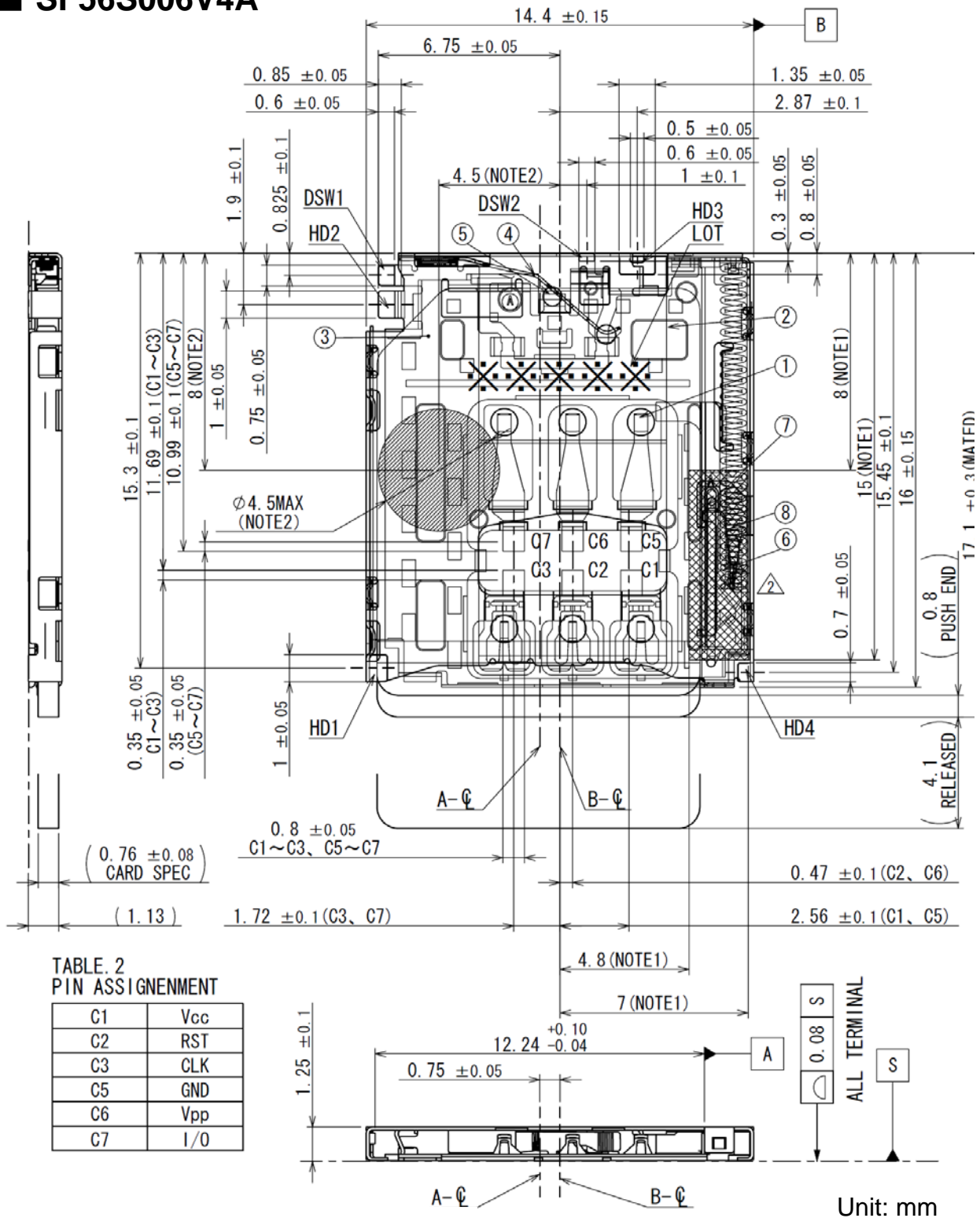
## Drawing Number

Part Number	SJ Drawing	Package Drawing	JACS Number	Remarks
SF56S006V4A	SJ112873	SJ112874	JACS-10928	-

## Product Drawing

## &lt;Drawing of Individual Connector&gt;

## ■ SF56S006V4A

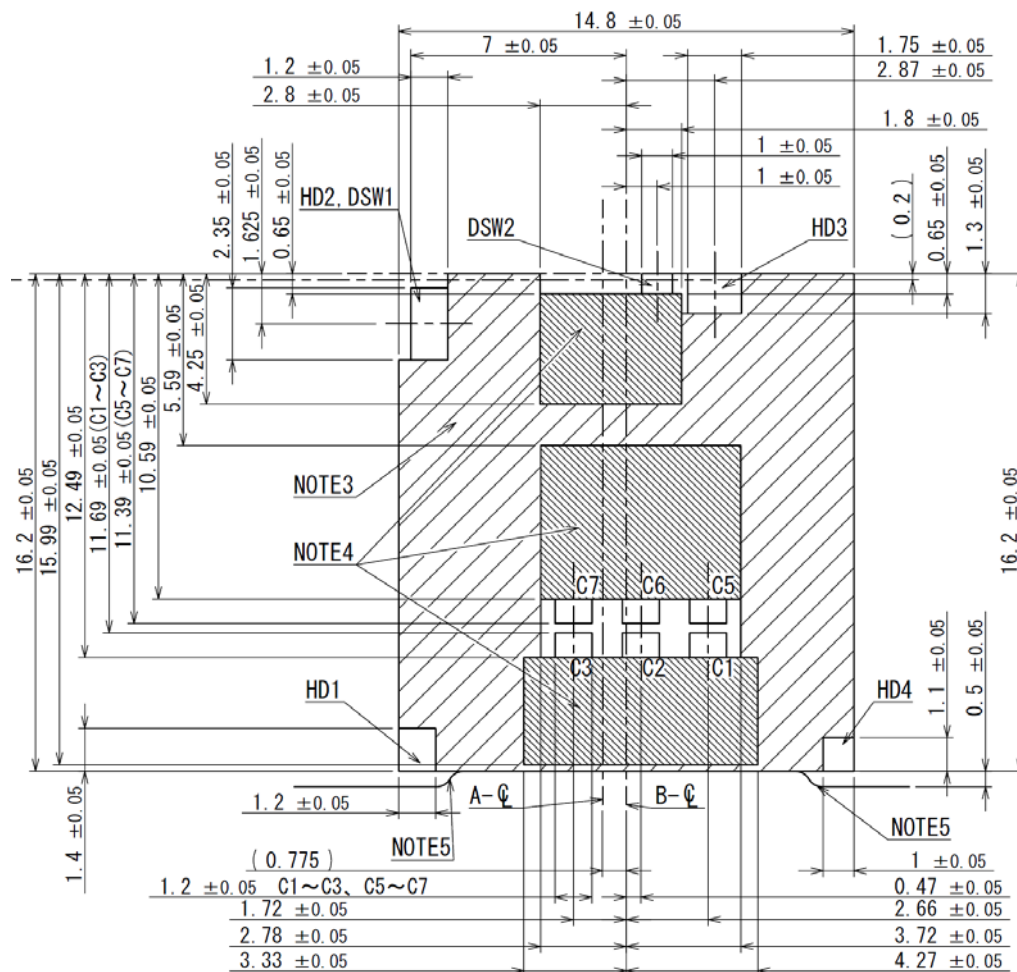
TABLE. 2  
PIN ASSIGNMENT

C1	Vcc
C2	RST
C3	CLK
C5	GND
C6	Vpp
C7	I/O

TABLE. 1 CIRCUIT

	WITHOUT CARD	CARD MATED
DETECTION SWITCH		

## &lt;Applicable Dimensions of Board (for reference)&gt;



Note 1. Please keep case off of the indicated surface.

Note 2. Vacuum Area

Note 3. Only ground pattern and ground via holes are allowed in the indicated area, as the bottom is composed of metal (ground).

Note 4. Pattern and via holes cannot be applied to the indicated area due to moving contact parts.

Note 5. PCB cutout area.

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**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.