

NEW



nano SIM Card Connector

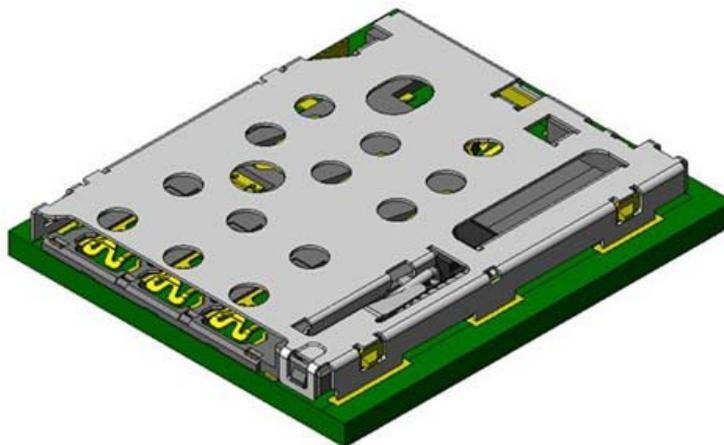
SF72 Series

CONNECTOR

MB-0282-1

August 2014

RoHS Compliant



<<Outline>>

Smartphones and tablet PC that equip nano SIM (4FF SIM) cards are increasing in these days.

The SF72 Series is a push-push type nano SIM card connector ideal for those applications.
(SIM: Subscriber Identify Module)

Features

- 1.25mm height, 11.2mm width, and 14.35mm depth, industry's lowest-in-class height and smallest-in-class dimensions among the same type of connectors.
- Maintaining good operability with the enlarged card eject length (3.9mm).
- With card mis-insertion measure and card detection switch (normal open).
- Structure that enables visual check of terminal area after SMT mounting.
- Balanced EMI countermeasure through 8 hold-down points.
- Pb-free, halogen-free compliant product.
- Supports automated mounting with embossed tape.

General Specifications

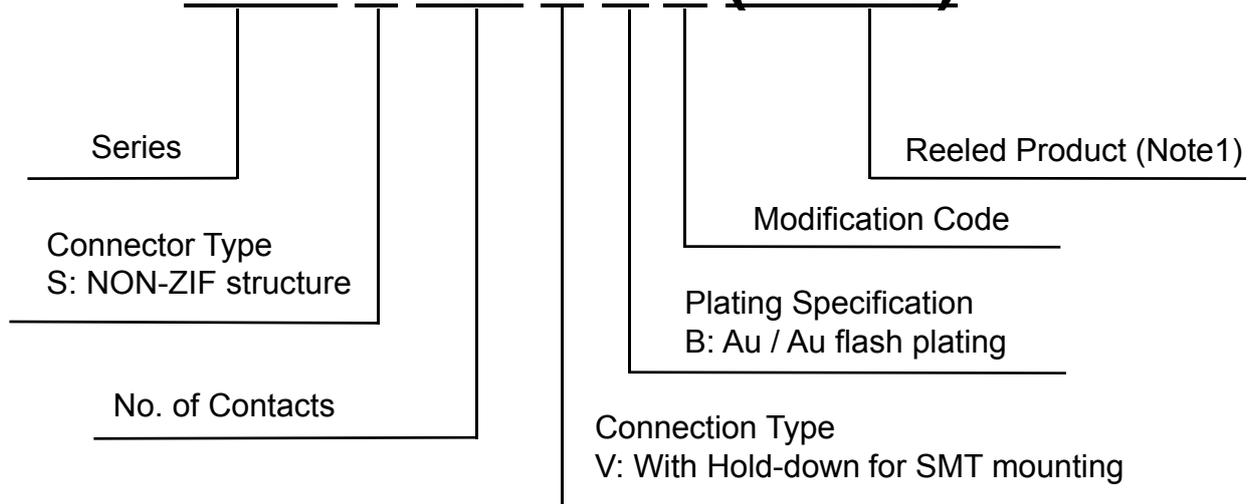
- | | |
|--|----------------------------------|
| ■ No. of Contacts: 6 pos. | ■ Rated Current: 0.5A / terminal |
| ■ Contact Resistance: 100m Ω max. (initial) | ■ Rated Voltage: 10V / terminal |
| ■ Dielectric Withstanding Voltage: AC500Vr.m.s for 1 minute | ■ Durability: 5,000 times |
| ■ Operating Temperature: -25 Deg. C to +85 Deg. C | |

Materials and Finishes

| Component | Material | Finish |
|--------------------------------|-----------------|---|
| Signal Contact D-SW Contact | Copper Alloy | Au plating over Ni (Contact area) Au flash plating over Ni (Terminal area) |
| Housing | Synthetic resin | |
| Cover | Stainless steel | Au flash plating (Terminal area only) |
| Eject Bar | Synthetic resin | |
| Spring | Stainless steel | |
| Cam Follower | Stainless steel | |

Ordering Information

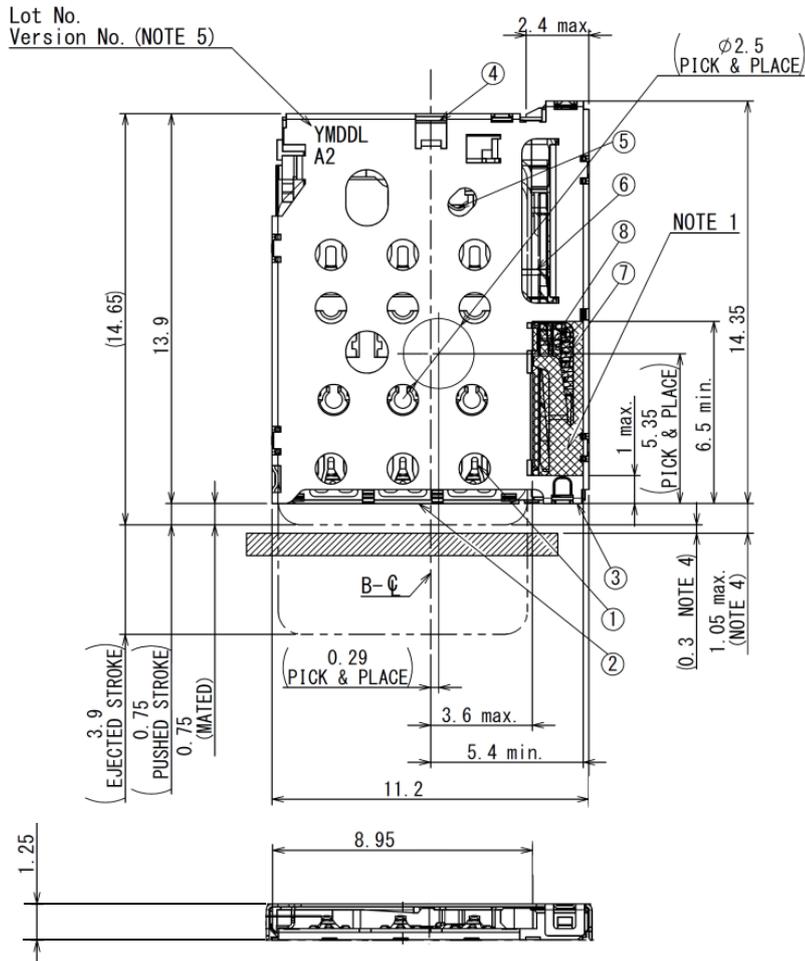
SF72 S 006 V B A (R2500)



Note 1: An embossed tape reel contains 2,500 pieces.

For emboss taping specifications, please contact us directly.

| | |
|-------------|----------------|
| Part Number | SJ Drawing No. |
| SF72S006VBA | SJ114535 |



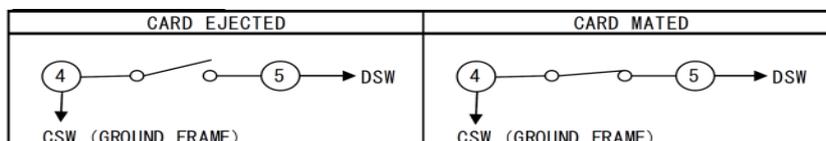
NOTE1. OTHER COMPONENTS CANNOT TOUCH OR REST ON TOP OF THIS AREA.
 NOTE4. CARD STOPPER POSITION.
 0.9Max (If DSW is not needed to use)
 NOTE5. LOT INFORMATION IS SHOWN AS BELOW.
 i.e. 4 5 1 2 1 A 2

VERSION NO.
 PRODUCTION LINE NO.
 PRODUCTION DATE (YMDD)

Unit: mm

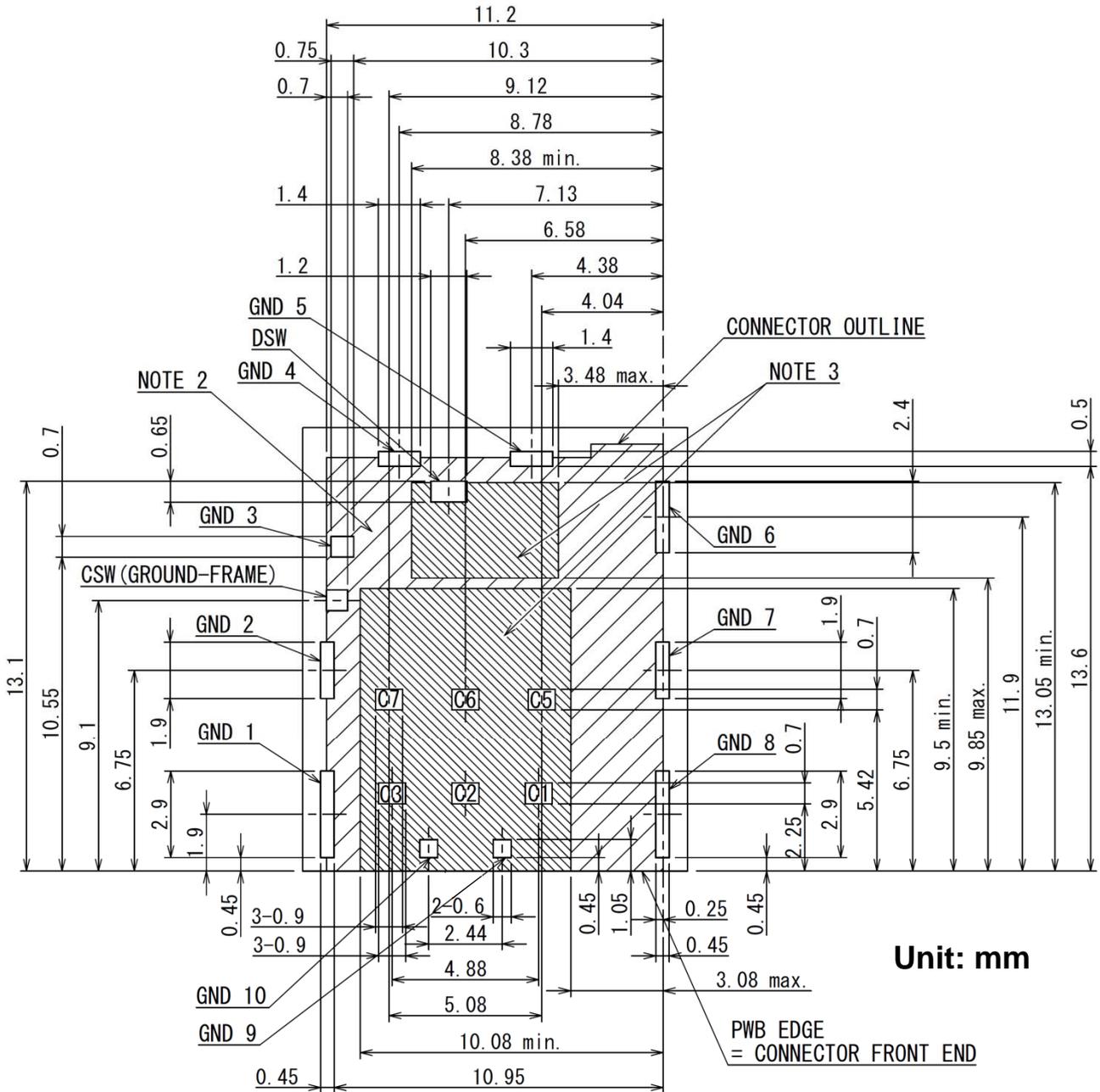
| 符号 NO. | 名称 DESCRIPTION | 个数 QTY. | 材料 MATERIAL | 仕上 FINISH | 備考 REMARKS |
|--------|------------------------|---------|-------------------|------------|------------|
| ⑧ | CAM FOLLOWER | 1 | STAINLESS STEEL | | |
| ⑦ | SPRING | 1 | STAINLESS STEEL | | |
| ⑥ | EJECT BAR | 1 | GLASS FILLED PA9T | | |
| ⑤ | DETECTION SWITCH (DSW) | 1 | COPPER ALLOY | Au OVER Ni | |
| ④ | GROUND FRAME | 1 | COPPER ALLOY | Au OVER Ni | |
| ③ | COVER | 1 | STAINLESS STEEL | Au | |
| ② | HOUSING | 1 | GLASS FILLED LCP | | |
| ① | CONTACT | 6 | COPPER ALLOY | Au OVER Ni | |

TABLE 1 CIRCUIT



Note1: The drawing above is for reference only.

Please refer to our latest product drawing when using this product.



Unit: mm

NOTE2. ONLY GND PATTERN AND VIA HOLE ALLOWED IN THIS AREA.
 NOTE3. NO PATTERN AND VIA HOLE IN THIS AREA.

Applicable PWB Dimensions

TABLE 2
 PIN ASSIGNMENT

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

**Note1: The drawing above is for reference only.
 Please refer to our latest product drawing when using this product.**

| |
|---------------------|
| Technical Documents |
|---------------------|

| | |
|-----------------------|--|
| Part Number | SF72S006VBA |
| SJ Drawing No. | Individual Product: SJ114535 Reeled Product: SJ114536 |
| Specifications | JACS-11019 |
| Handling Instructions | JAHL-11019 |

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

Japan Aviation Electronics Industry, Limited

Product Marketing Division
Aobadai Building, 3-1-19, Aobadai, Meguro-ku, Tokyo 153-8539
Phone: +81-3-3780-2882 FAX: +81-3-3780-2946

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