

NEW



micro SIM Card Connector

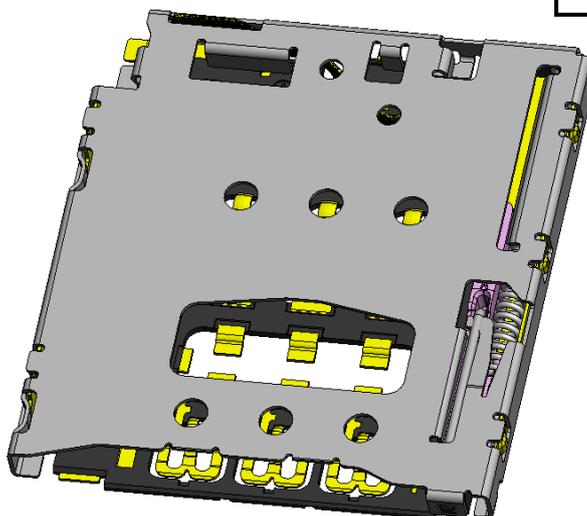
CONNECTOR

MB-0256-2

October 2014

SF56 Series

RoHS Compliant



<<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.

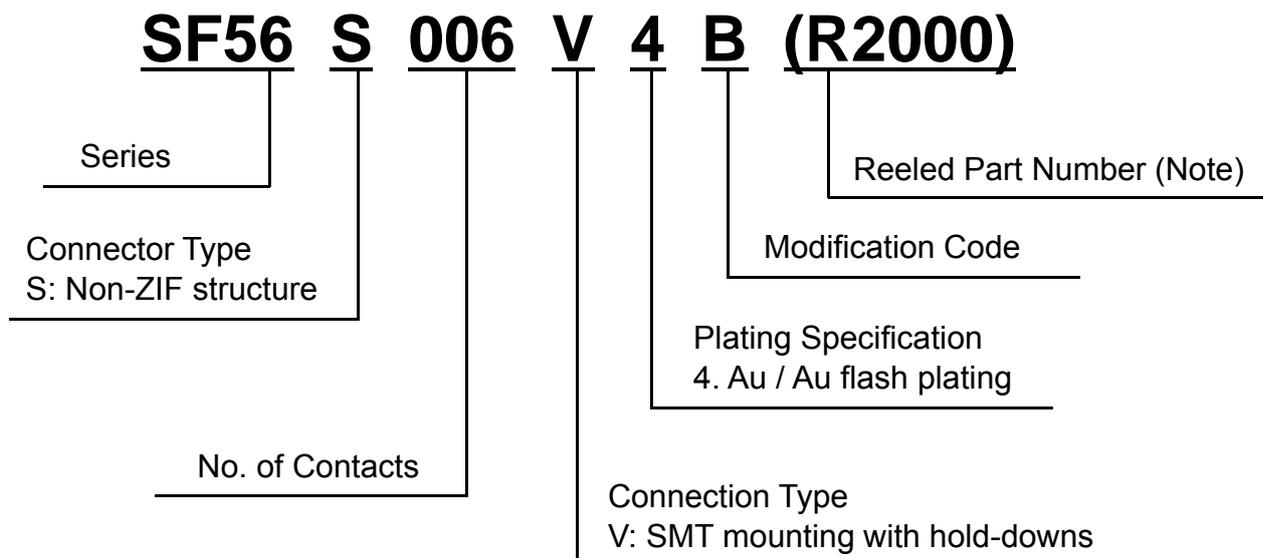
General Specifications

- | | |
|--|----------------------------------|
| ■ No. of Contacts: 6 positions | ■ Rated Current: 0.5A / terminal |
| ■ Contact Resistance: 100m Ω max. (initial) | ■ Rated Voltage: 10V / terminal |
| ■ Dielectric Withstanding Voltage:
AC 500Vr.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 Detection-SW Contact	Copper Alloy	Au plating over Ni (contact area) Au flash plating over Ni (terminal area)
Housing	Synthetic Resin	
Cover Frame	Stainless Steel	Au flash plating over Ni (terminal area only)
Eject Bar	Synthetic Resin	
Spring	Stainless Steel	
Cam Follower	Stainless Steel	

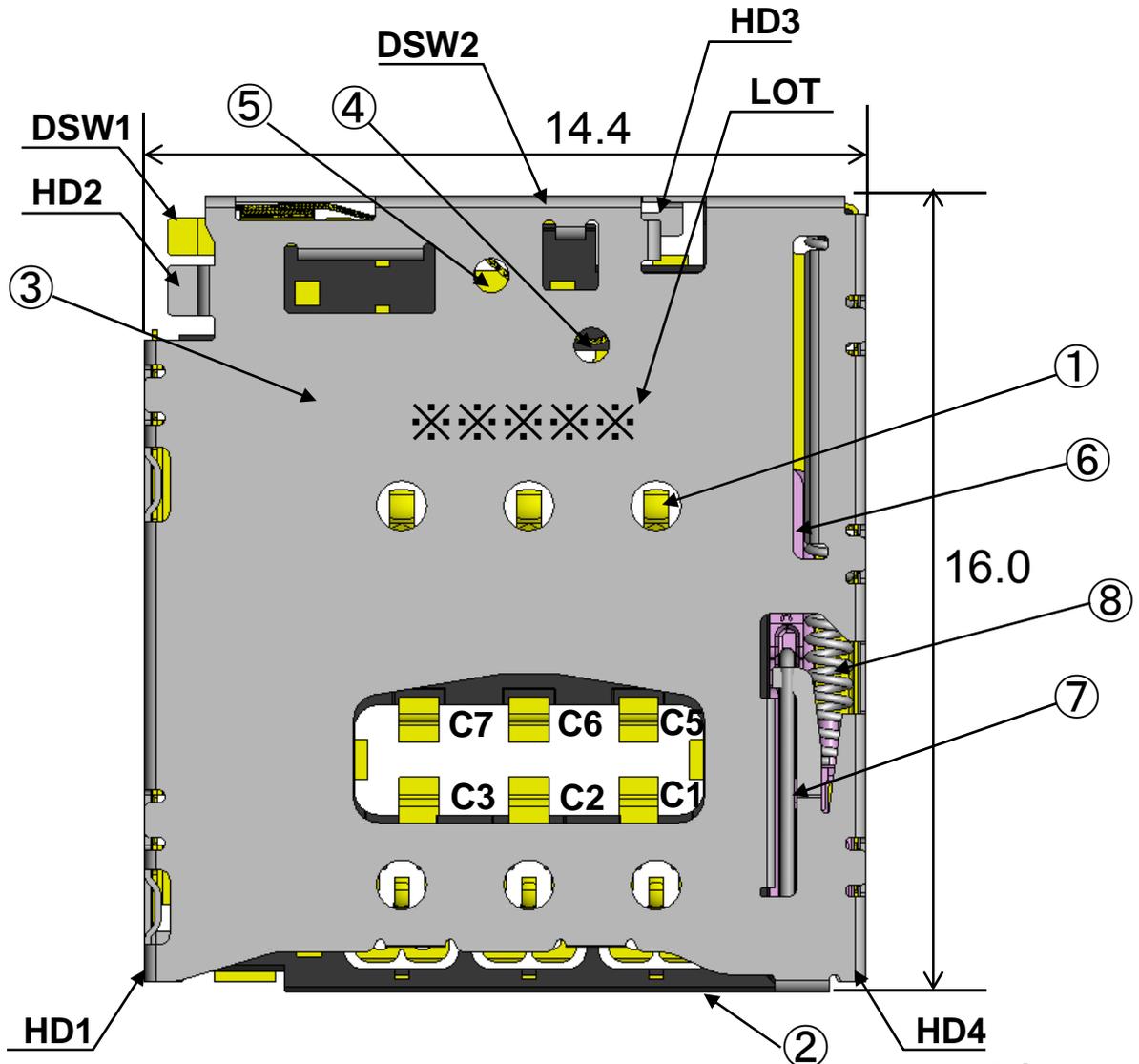
Ordering Information



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

Please contact us for details on the embossed tape specifications.

Part Number	SJ Drawing
SF56S006V4B	SJ114885

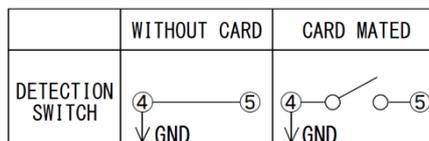


NOTE1. THERE IS NO APPLY THE LOAD ON THIS AREA BY THE CASE.
 NOTE2. VACUUM AREA.

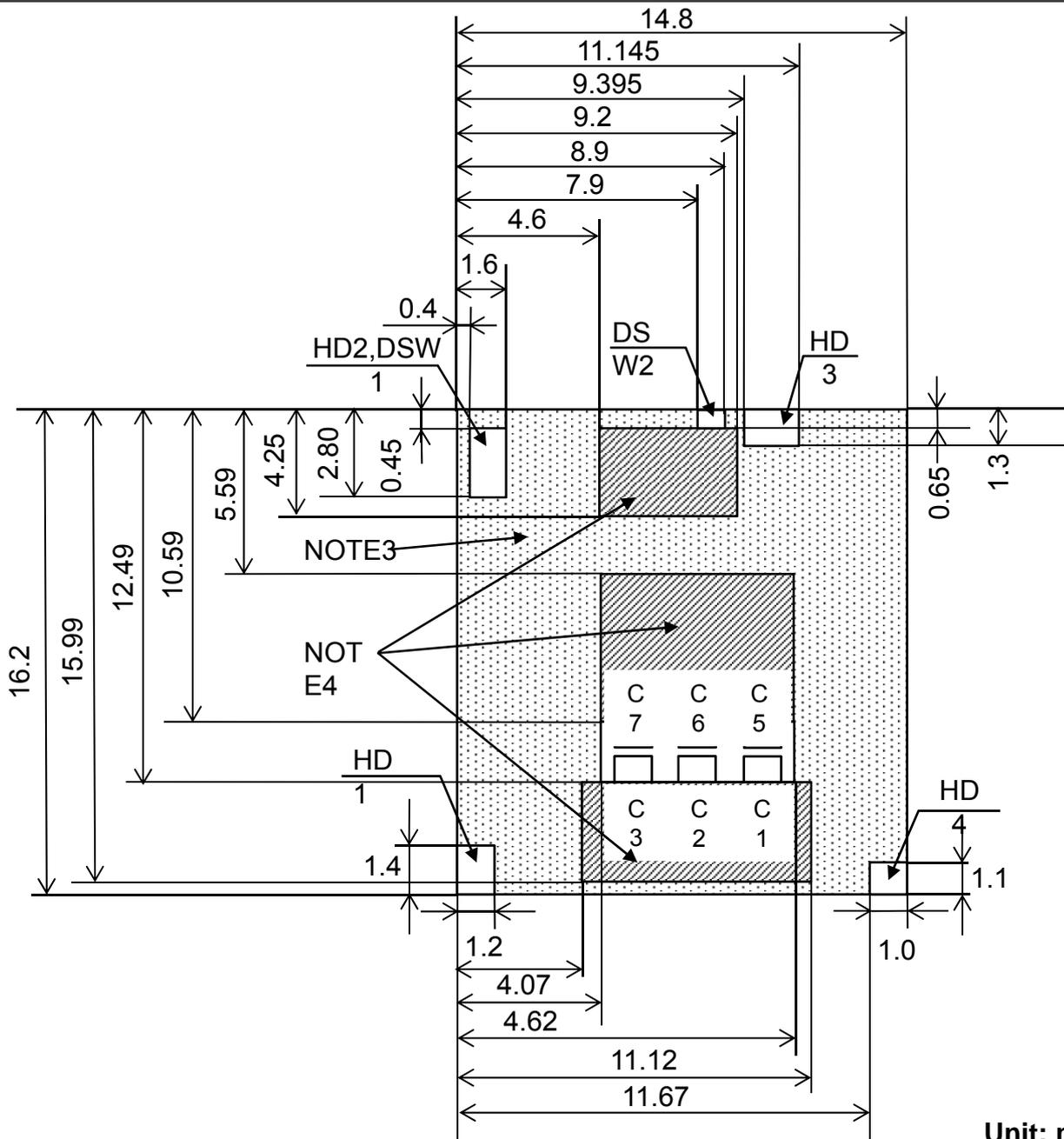
Unit: mm

⑧	SPRING	1	STAINLESS		
⑦	CAM FOLLOEW	1	STAINLESS		
⑥	EJECT LEVER	1	GLASS FILLED PA46		
⑤	DETECTION SWITCH2	1	COPPER ALLOY	CONTACT AREA: Au OVER Ni TERMINAL AREA : Au OVER Ni	
④	DETECTION SWITCH1	1	COPPER ALLOY	CONTACT AREA: Au OVER Ni TERMINAL AREA : Au OVER Ni	
③	COVER FRAME	1	STAINLESS	TERMINAL AREA: Au OVER Ni	
②	HOUSING	1	LCP		
①	CONTACT	1	COPPER ALLOY	CONTACT AREA: Au OVER Ni TERMINAL AREA : Au OVER Ni	
符号 NO.	名称 DESCRIPTION	个数 QTY.	材料 MATERIAL	仕上 FINISH	備考 REMARKS

TABLE. 1 CIRCUIT



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



Unit: mm

Applicable PWB Dimension

適合基板寸法

NOTE3. ONLY GND PATTERN AND GND VIA HOLE IN ALLOWED IN THIS AREA.
 NOTE4. NO PATTERN, VIA HOLE IN THIS AREA.

TABLE. 2
PIN ASSIGNMENT

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

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

Technical Documents

Part Number	SF56S006V4B
Product Drawings	Individual Product: SJ114885 Embossed Reel Product: SJ114886
Specification	JACS-10928
Handling Instruction	JAHL-10928

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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