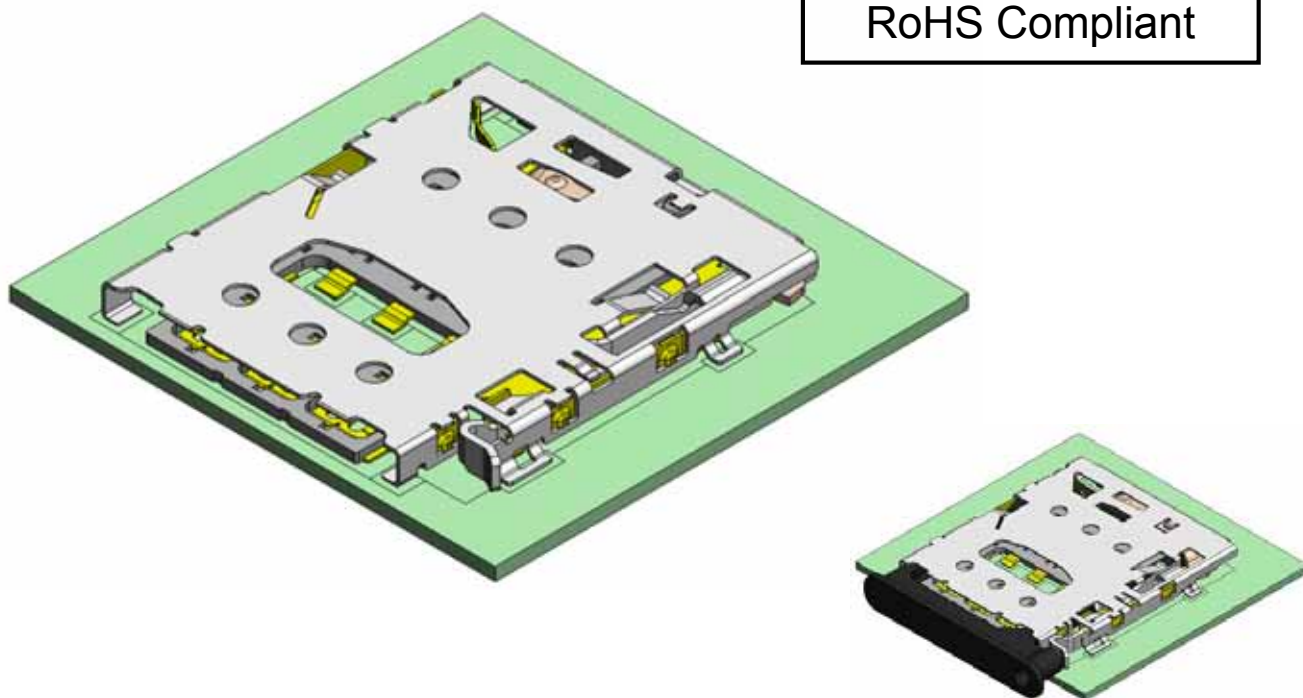**JAE**

NEW

nanoSIM Card Connector
SF70 Series

CONNECTOR
MB-0275-1
January 2014

RoHS Compliant

<Drawing when a tray is inserted>

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

<<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: **S**ubscriber **I**dentity **M**odule)

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.
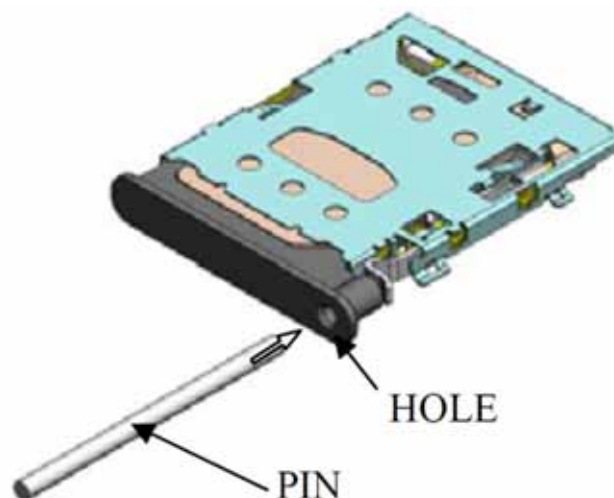■Supports automated mounting with embossed tape.

General Specifications

No. of Contacts: 6 pos.
Contact Resistance: 100mΩ max. (initial)
Dielectric Withstanding Voltage:
　　　　AC500Vr.m.s for 1 minute
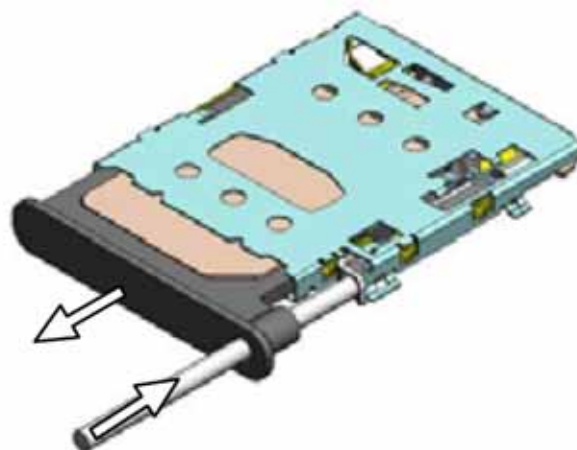Operating Temperature
　　　　-25 Deg. C to +85 Deg. C

Rated Current: 0.5A per terminal
Rated Voltage: 10V per terminal
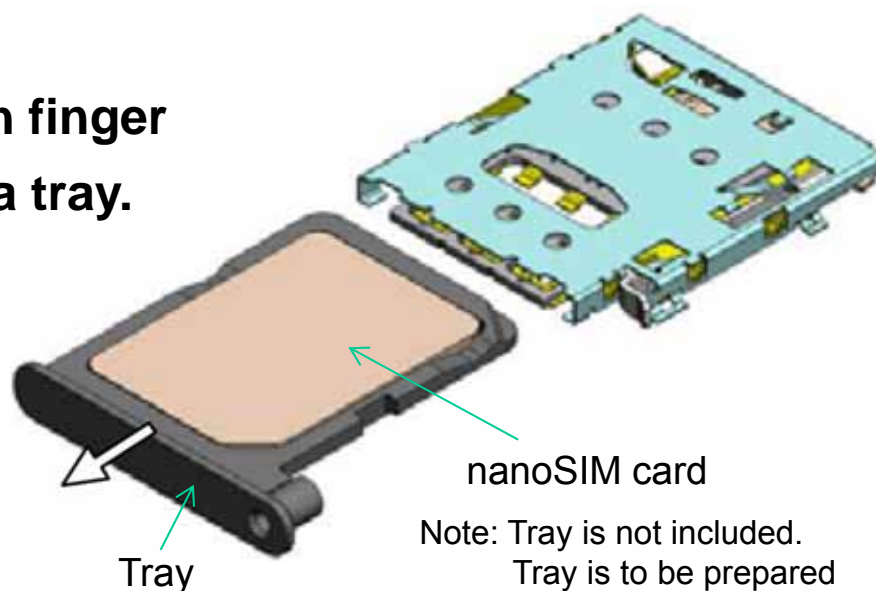Durability: 5,000 times

How to Eject Tray

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

HOLE

PIN

2. Push a pin in until a tray ejects.

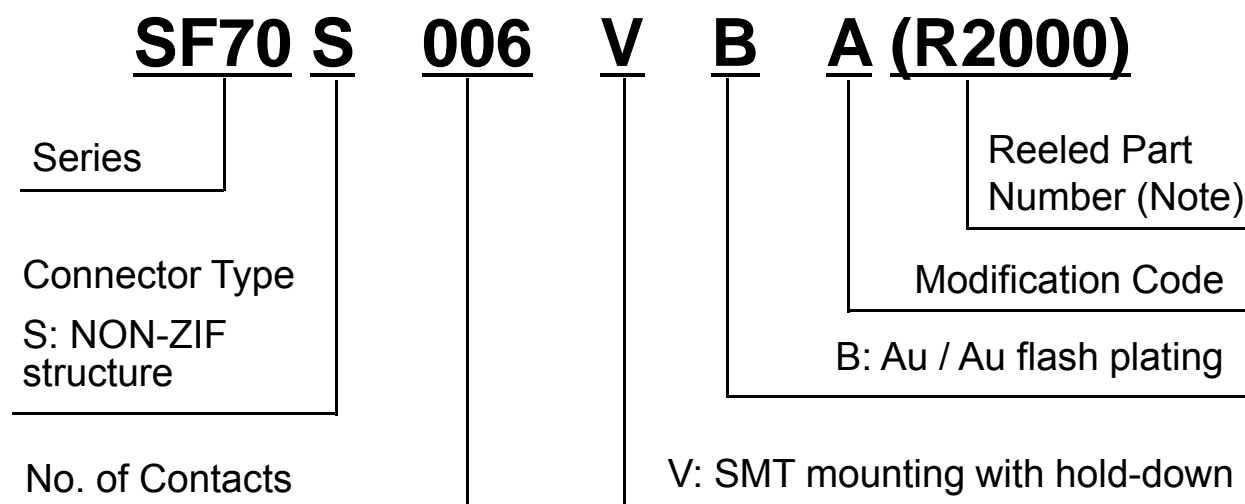## 3. Pull the end with finger tips and draw out a tray.

nanoSIM card

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

Tray

Materials and Finishes

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

Ordering Information

SF70 S 006 V B A (R2000)

Series

Connector Type
S: NON-ZIF
structure

No. of Contacts

V: SMT mounting with hold-down

B: Au / Au flash plating

Modification Code

Reeled Part
Number (Note)
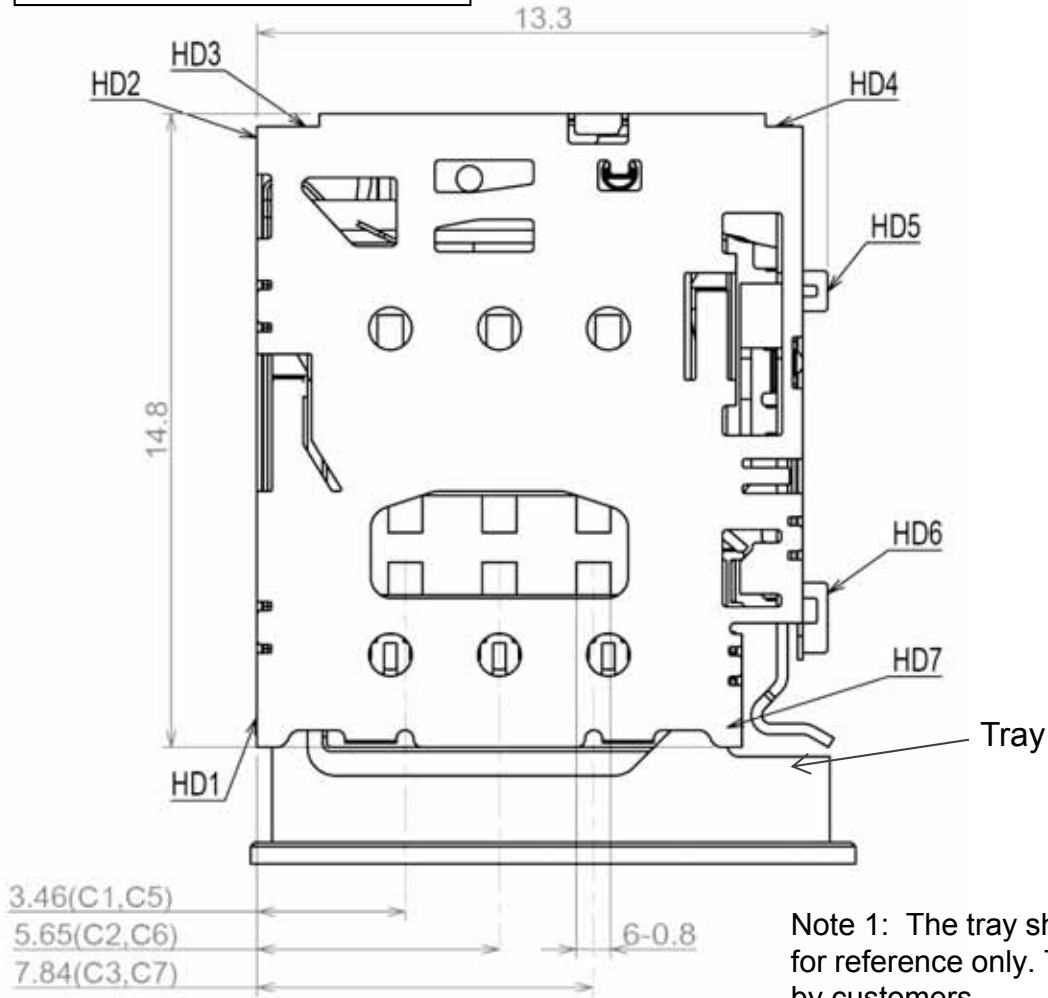
Note: An embossed tape reel contains 2,000 pieces.

Please contact us concerning packaging specifications.

Part Number	SJ Drawing
SF70S006VBA	SJ113425

General Specifications

HD3
HD2
HD4
HD5
HD6
HD7
Tray
HD1
13.3
14.8
3.46(C1,C5)
5.65(C2,C6)
7.84(C3,C7)
6-0.8
1.25 Connector Hight
Hole for eject pin

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

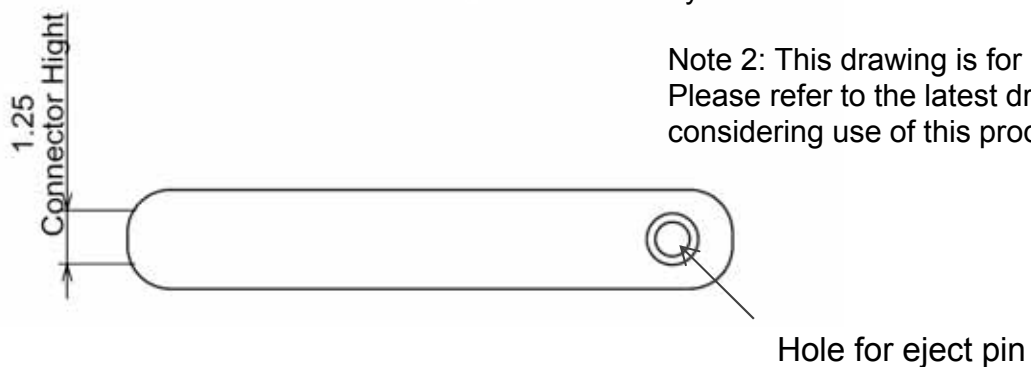Note 2: This drawing is for reference only. Please refer to the latest drawing when considering use of this product.
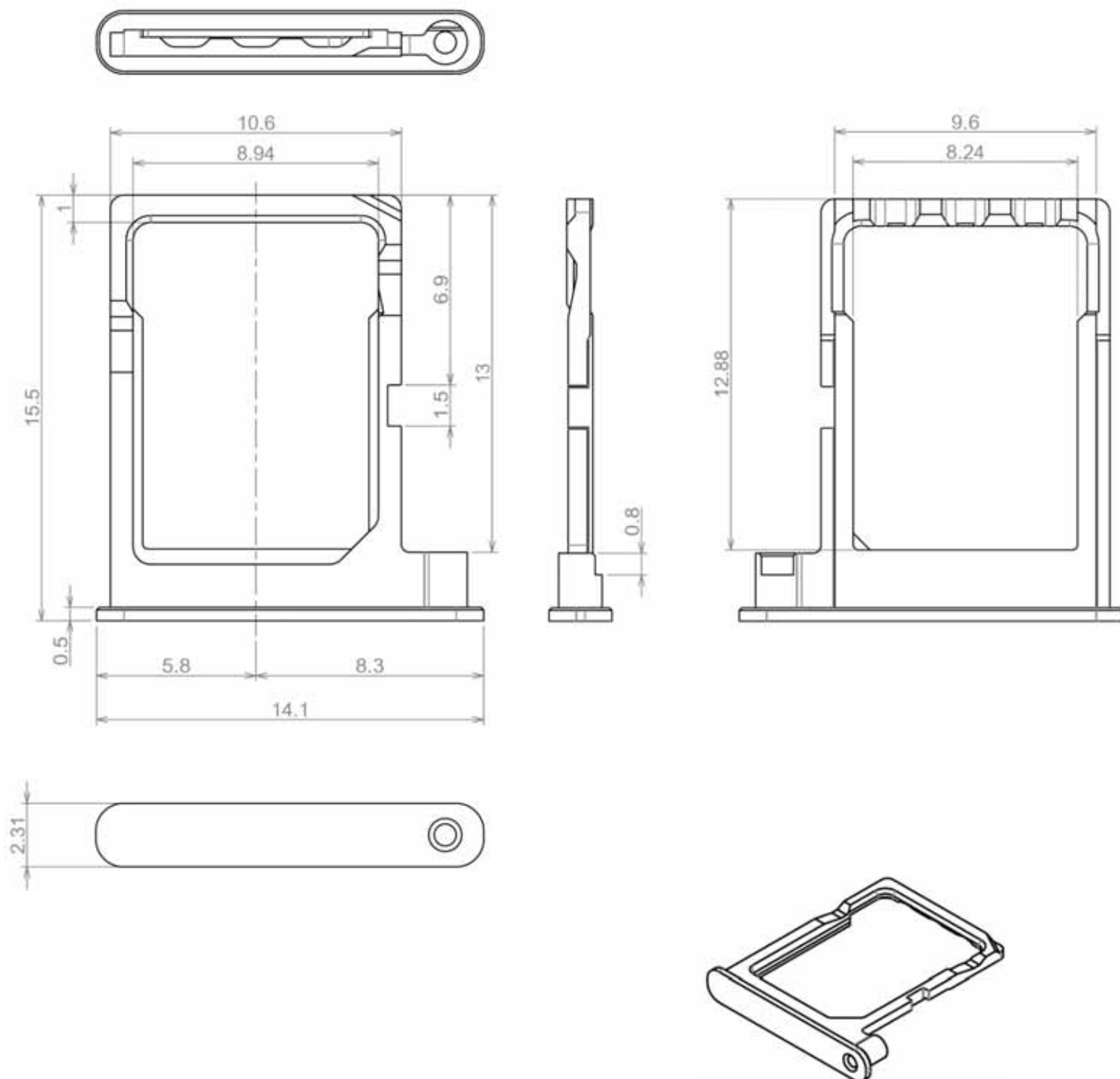
Table 1 CIRCUIT

Unit: mm

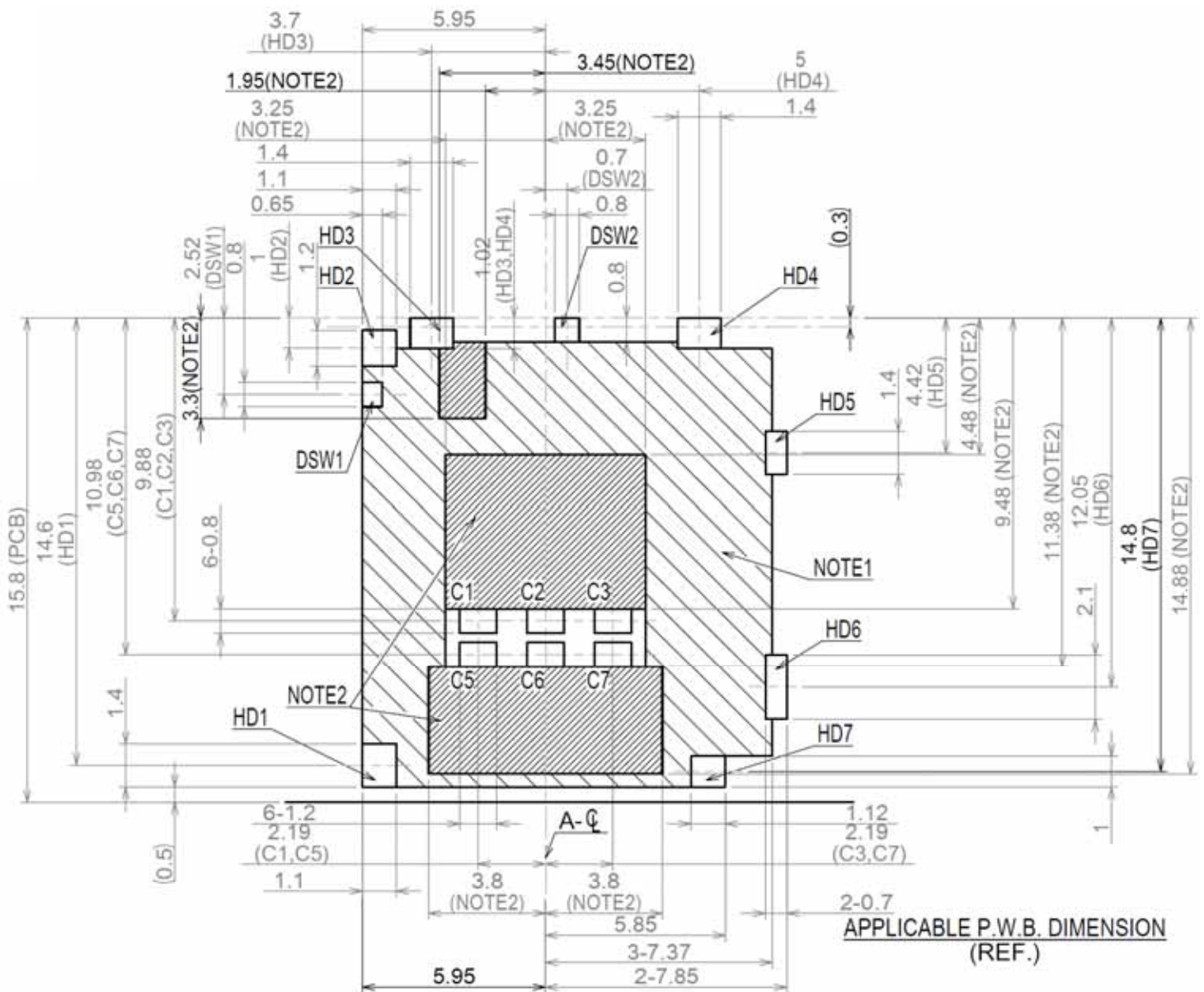|	WITHOUT TRAY	TRAY MATED
DSW	④—o o—⑤ ↓GND	④——⑤ ↓GND

Recommended Tray

<u>Unit: mm</u>

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.

Recommended Board Patterns

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.

Japan Aviation Electronics Industry, Limited

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