JAE

NEW

nanoSIM Card Connector
SF70 Series

CONNECTOR

MB-0275-1

January 2014

RoHS Compliant

<Drawing when a tray is inserted>
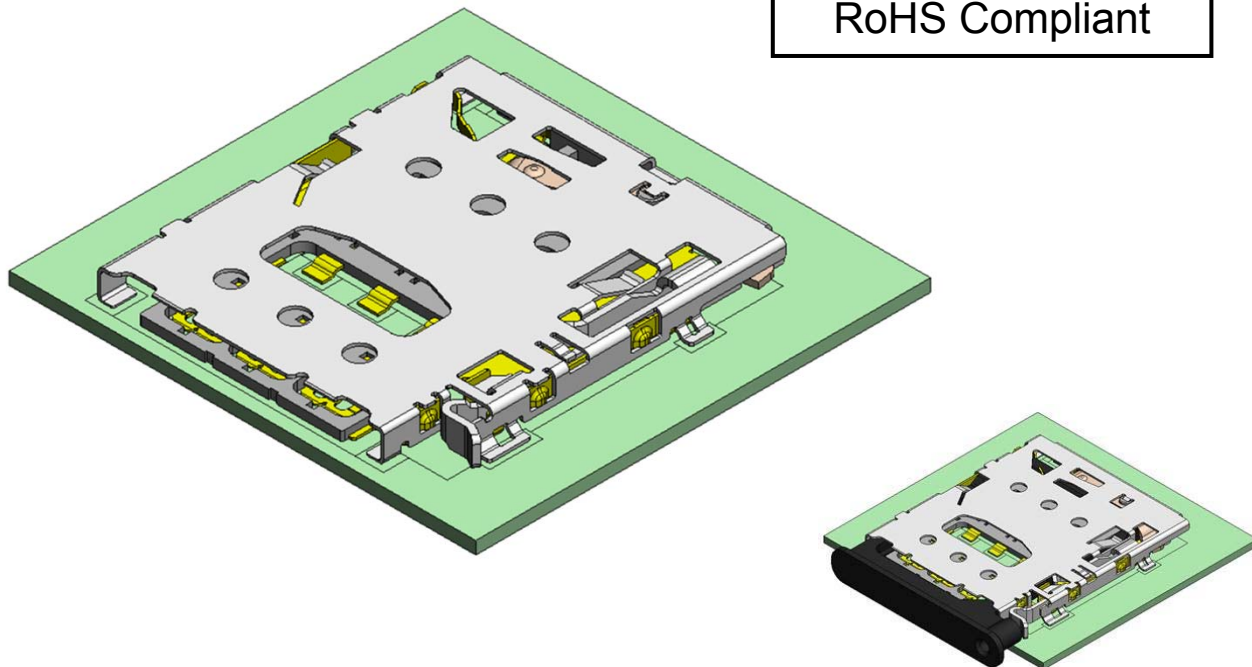
Note: Tray is not included. Tray is to be prepared by customers.

<<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.
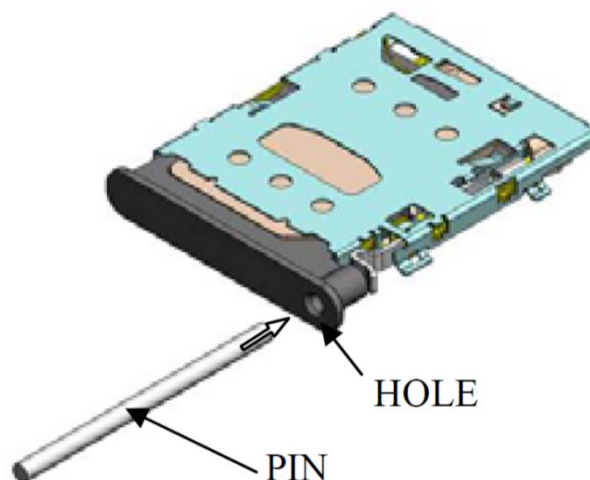(SIM: **S**ubscriber **I**dentity **M**odule)

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
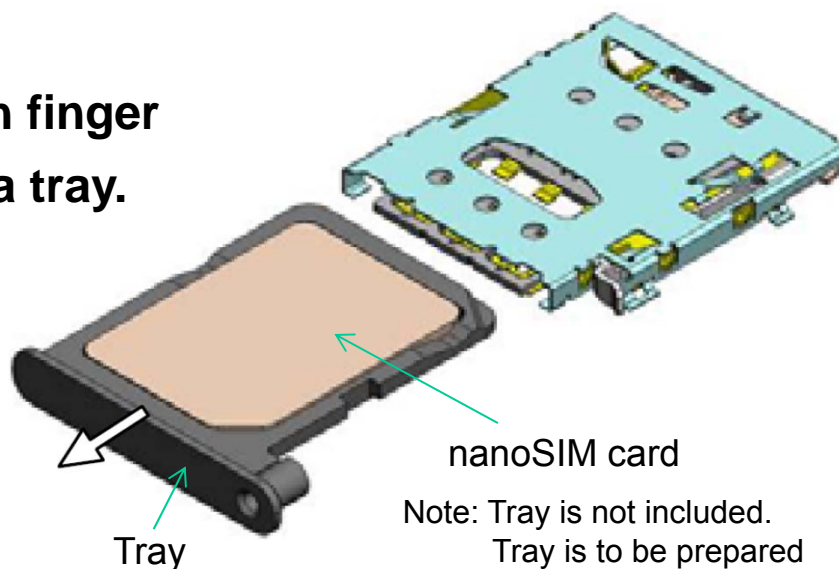
How to Eject Tray

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

HOLE

PIN

2. Push a pin in until a tray ejects.
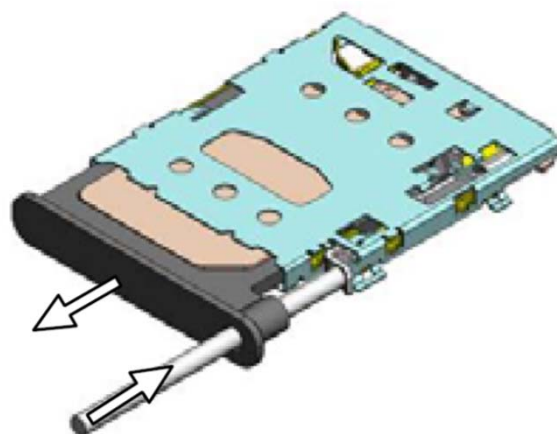
3. Pull the end with finger tips and draw out a tray.

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)
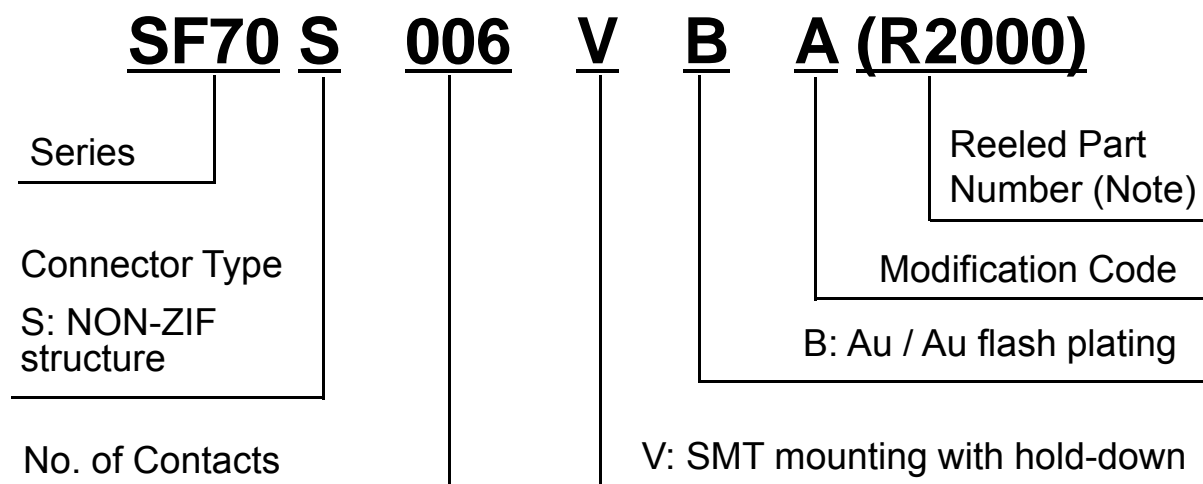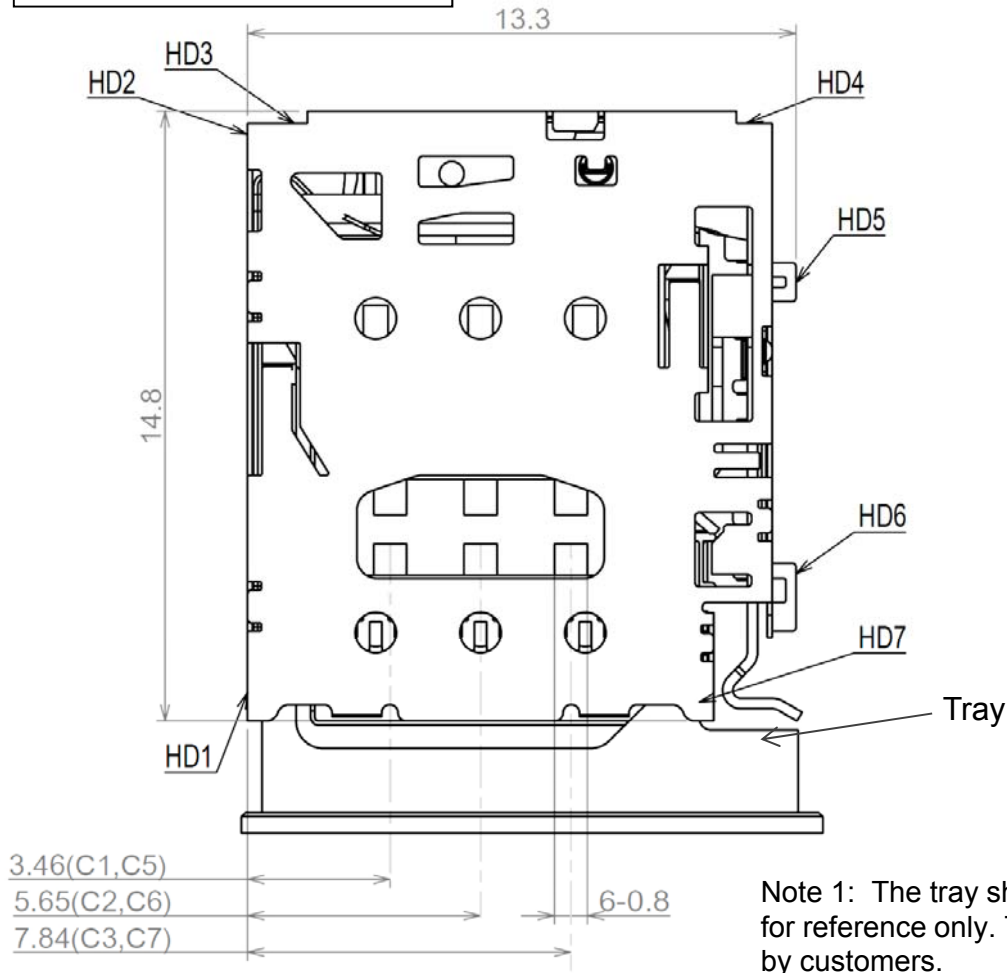
Note: An embossed tape reel contains 2,000 pieces.

Please contact us concerning packaging specifications.

| Part Number	SJ Drawing
SF70S006VBA	SJ113425

General Specifications

HD3 HD2 HD4 HD5 HD6 HD7

13.3

14.8

HD1

3.46(C1,C5)
5.65(C2,C6)
7.84(C3,C7)

6-0.8

1.25 Connector Hight

Tray

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.
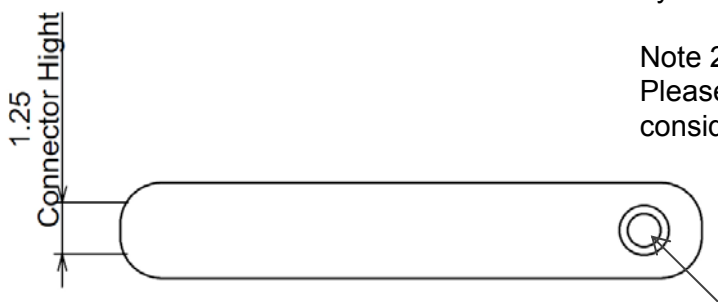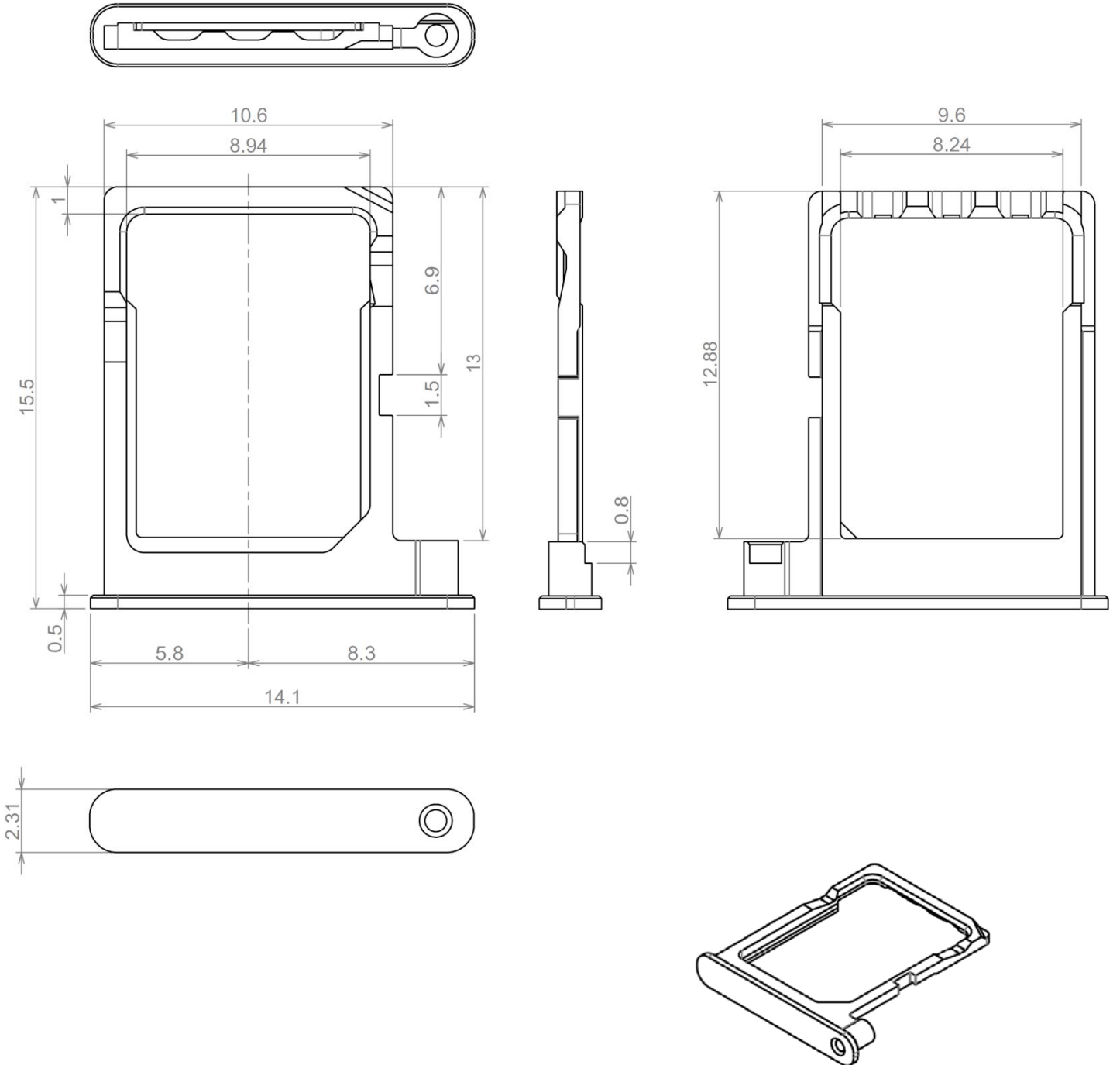
Unit: mm

Table 1 CIRCUIT

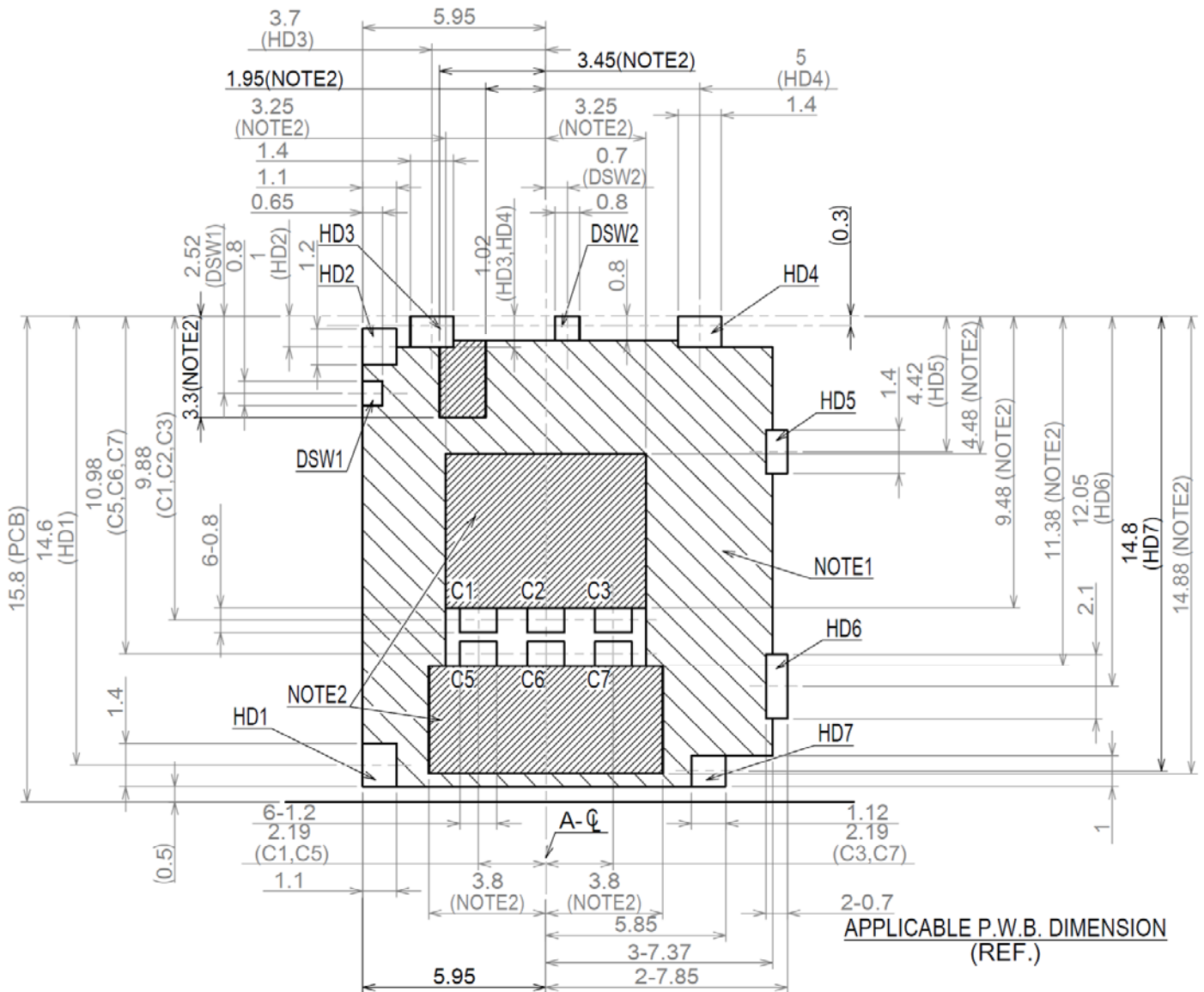|	WITHOUT TRAY	TRAY MATED
DSW	④—╱—⑤ ↓GND	④———⑤ ↓GND

Recommended Tray

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.

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.

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