

**NEW**  

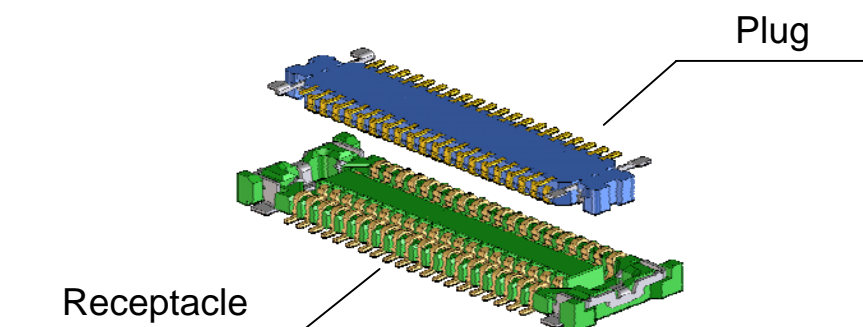

0.5mm Pitch Stacking Type Board-to-Board Connector

CONNECTOR

MB-0197-1

November 2008

## AA01A Series

**RoHS Compliant**

The AA01A Series connectors are 0.5mm-pitch, stacking type, board-to-board connectors ideal for slim, low-profile devices such as mobile phones, LCDs, notebook PCs, and PDAs, which have high density mounting requirements.

### Features

- \* 0.5mm pitch, 2 rows, 10 to 60 positions, 1.5mm stacking height.
- \* The contact structure and surface shape ensure high abrasion resistance and high contact reliability.
- \* Secure hold-downs prevent insulator breakage and peeling from FPC for both plug and receptacle.
- \* 2-point contact design to resist twisting stress.
- \* Pb-free. Nickel barrier finish on contact prevents solder migration.

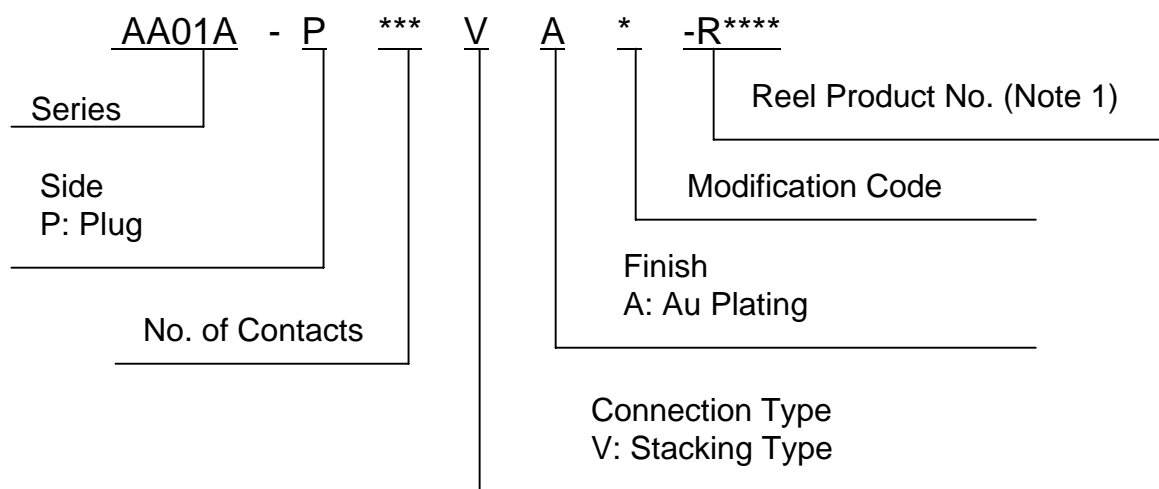
### General Specifications

- |  |  |
|--|--|
| ■ No. of Contacts :<br>10, 30, 40, 60 pos.           | ■ Rated Current: AC, DC 0.2A / per pos.                      |
| ■ Pitch: 0.5mm, 2 rows                               | ■ Rated Voltage: AC, DC 50V                                  |
| ■ Operating Temperature:<br>-40 Deg. C to +85 Deg. C | ■ Insulation Resistance: 100M ohm min. (initial)             |
| ■ Contact Resistance:<br>70m ohm max. (initial)      | ■ Dielectric Withstanding Voltage:<br>AC250Vr.m.s per minute |
| ■ Durability: 30 mating cycles                       | ■ Total Insertion Force:<br>1N x n max. (n: pos.)            |
|  | ■ Total Withdrawal Force:<br>0.2Nx n min. (n: pos.)          |

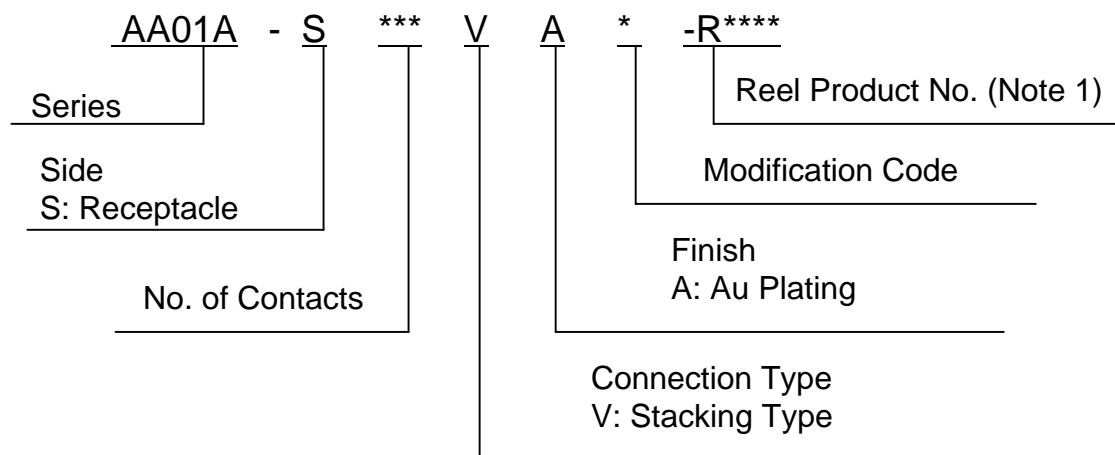
### Materials and Finishes

Component	Material / Finish
Contact	Copper alloy / Au plating (0.1um min.)
Insulator	Heat resistant plastic (UL94V-0, Color: Black)
Hold-down	Plug: Copper alloy / Sn plating Receptacle: Copper alloy / Sn plating

### Ordering Information



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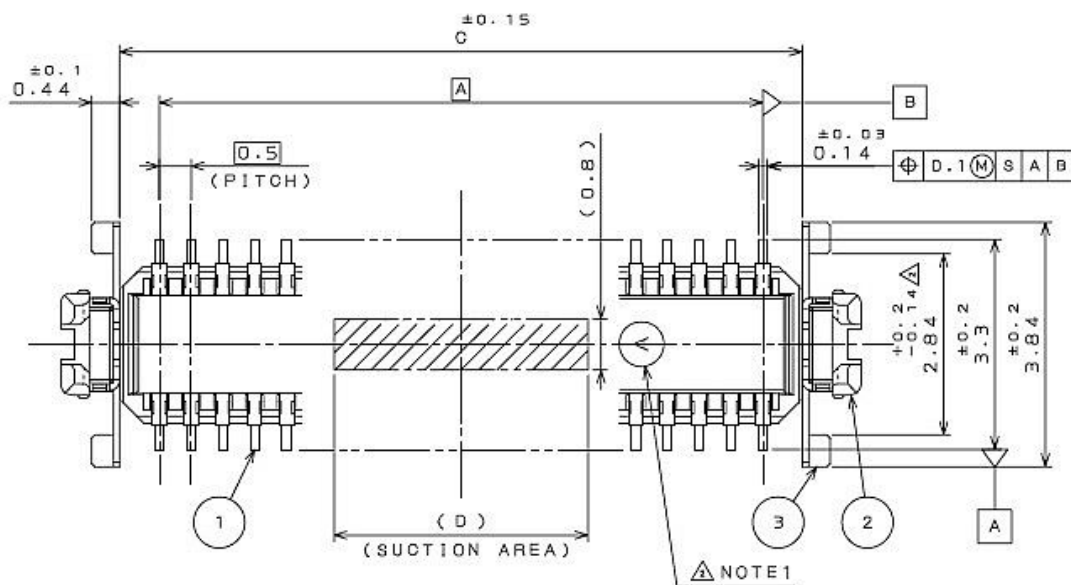
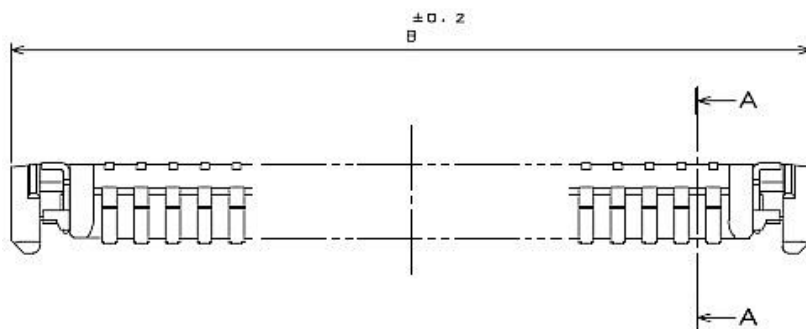
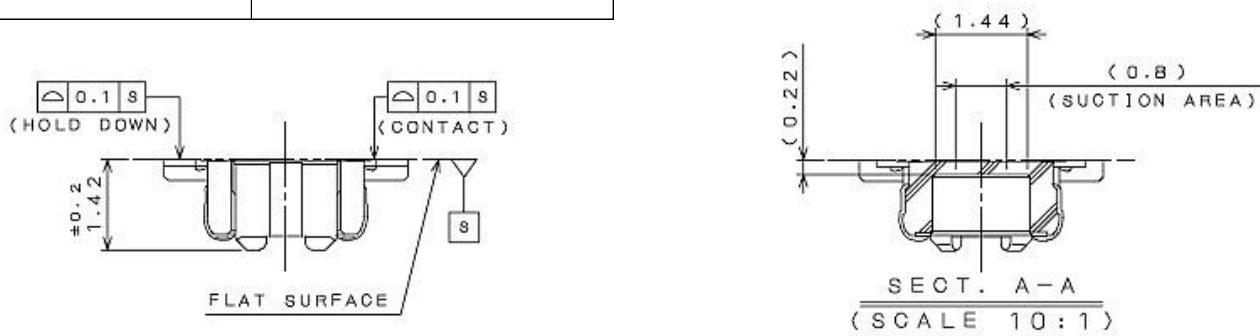


(Note 1) An embossed tape reel contains 3000 pieces.

For information on emboss taping specifications, please contact us directly.

## Plug

<b>Part Number</b>	<b>AA01A-P***VA1</b>
<b>SJ Drawing</b>	<b>SJ036738</b>



名称(TITLE)	A	B	C	D
AA01A-P010VA1	2.0	5.1	3.24	2.0
AA01A-P030VA1	7.0	10.1	8.24	2.0
AA01A-P040VA1	9.5	12.6	10.74	4.0
AA01A-P060VA1	14.5	17.6	15.74	4.0

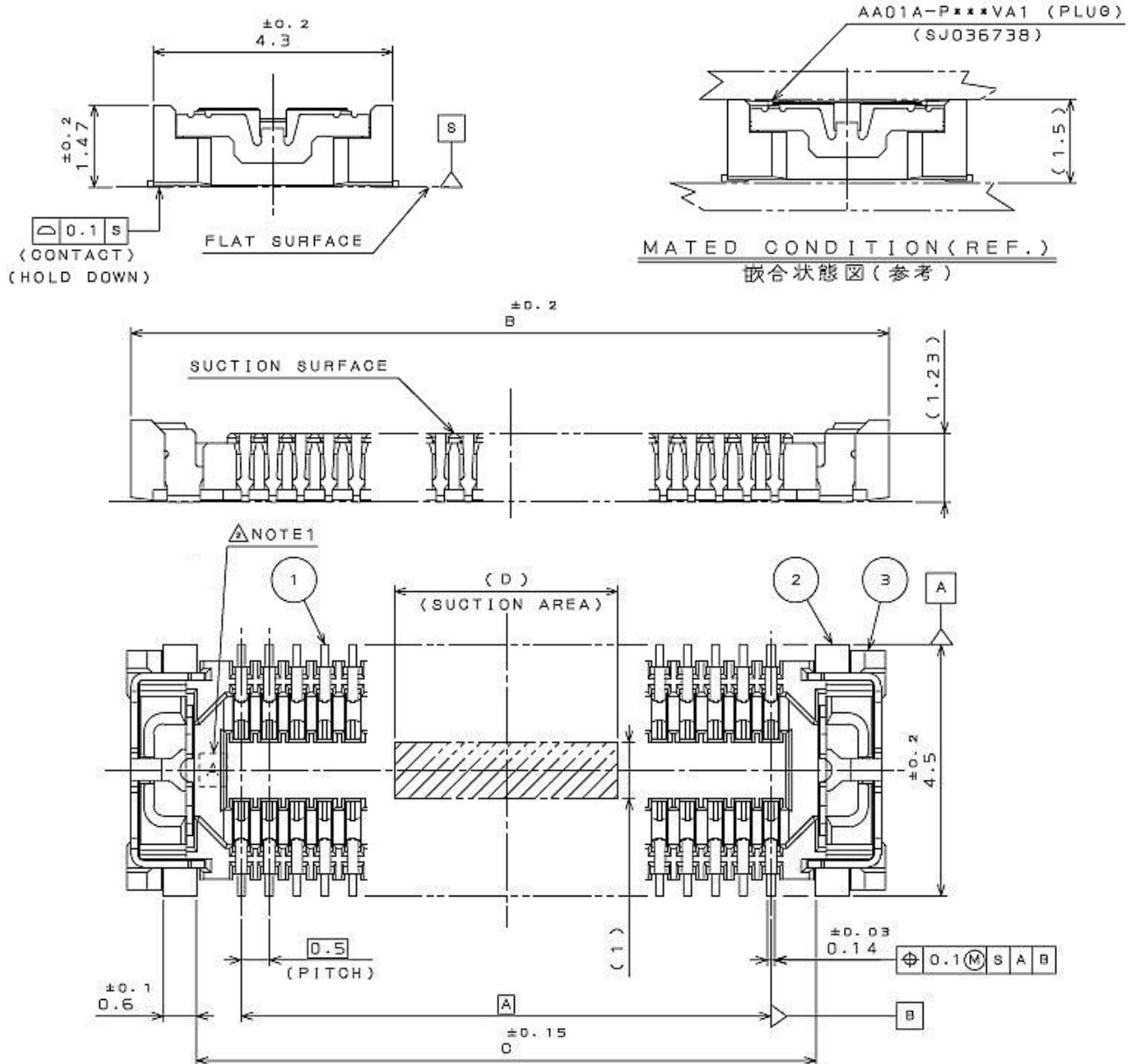
Note 1) Coplanarity 0.1 mm max.

Note 2) An embossed tape reel contains 3000 pieces.

Please contact us for details of embossed tape specifications

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Part Number	AA01A-S***VA1
SJ Drawing	SJ036740



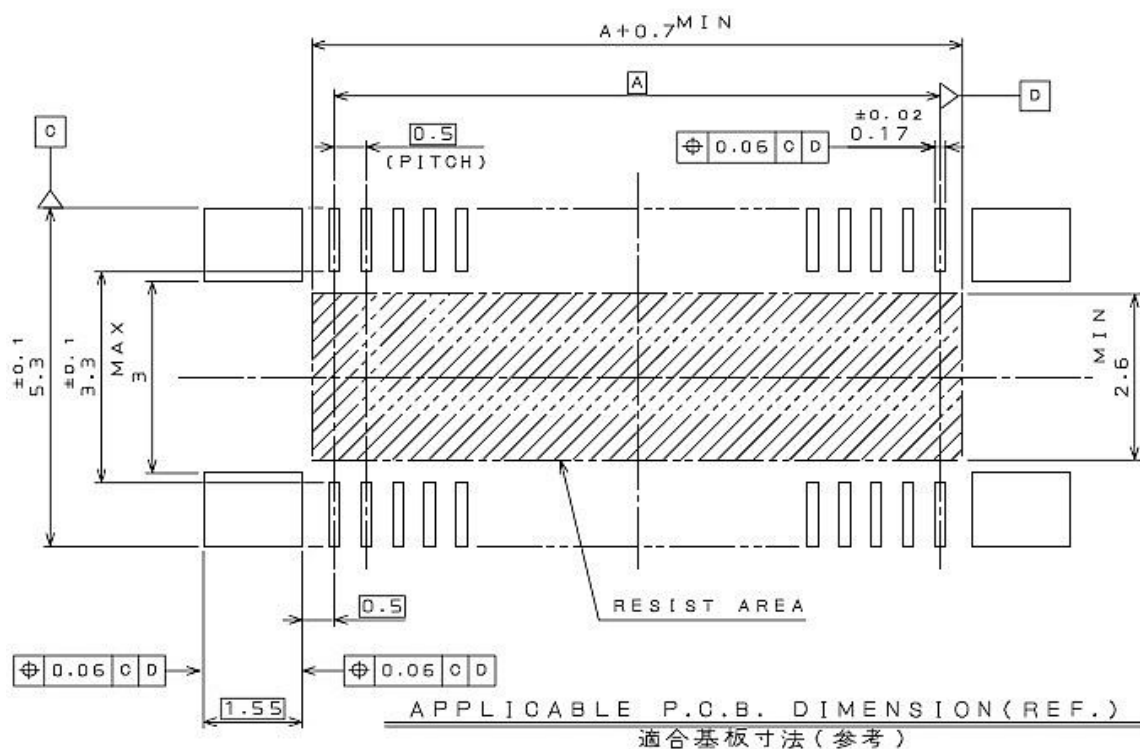
名称 (TITLE)	A	B	C	D
AA01A-S010VA1	2.0	6.1	3.6	2.0
AA01A-S030VA1	7.0	11.1	8.6	2.0
AA01A-S040VA1	9.5	13.6	11.1	4.0
AA01A-S060VA1	14.5	18.6	16.1	4.0

Note 1) Coplanarity 0.1 mm max.

Note 2) An embossed tape reel contains 3000 pieces.

Please contact us for details of embossed tape specifications

Part Number	AA01A-S***VA1
SJ Drawing	SJ036740



## Japan Aviation Electronics Industry, Limited

Product Marketing Division  
Aobadai Building, 3-1-19, Aobadai, Meguro-ku, Tokyo 153-8539  
Phone: +81-3-3780-2787 FAX: +81-3-3780-2946

**Notice:** Products shown in this leaflet 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.