



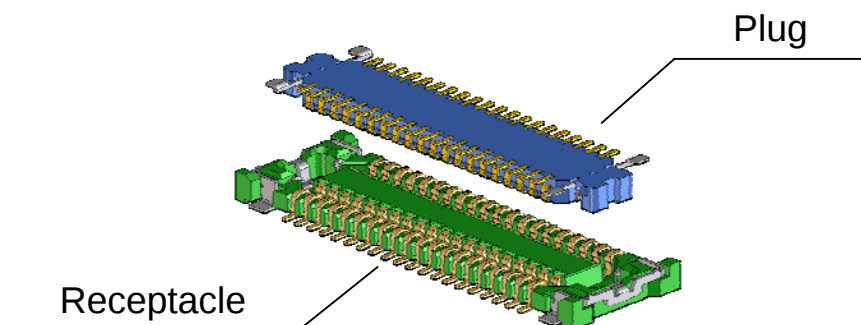
0.5mm Pitch Stacking Type Board-to-Board Connector

CONNECTOR

MB-0197-2

January 2011

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.

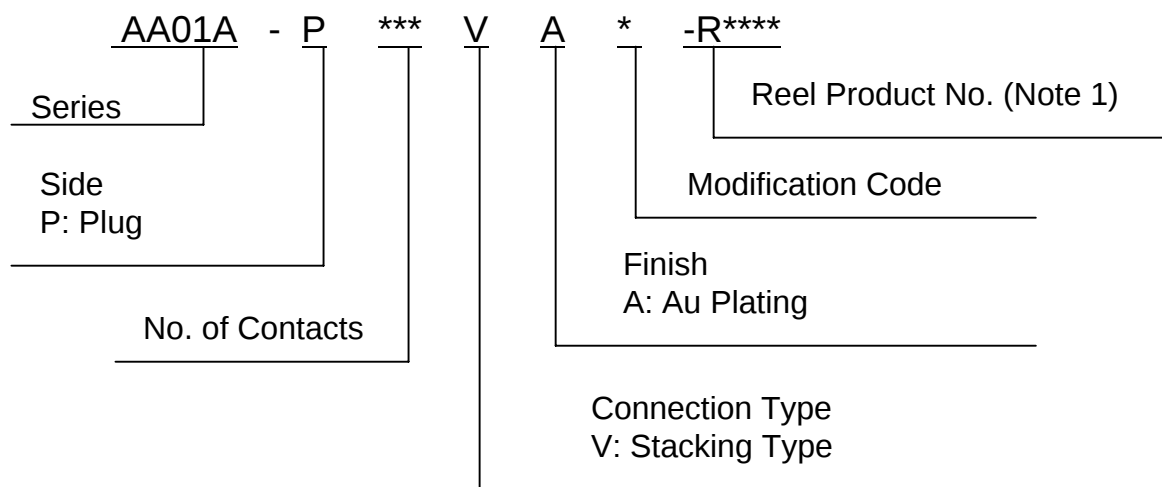
General Specifications

- | | |
|---|---|
| ■No. of Contacts :
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:
-40 Deg. C to +85 Deg. C | ■Insulation Resistance: 100M ohm min. (initial) |
| ■Contact Resistance:
70m ohm max. (initial) | ■Dielectric Withstanding Voltage:
AC250Vr.m.s per minute |
| ■Durability: 30 mating cycles | ■Total Insertion Force:
1N x n max. (n: pos.) |
| | ■Total Withdrawal Force:
0.2Nx n min. (n: pos.) |

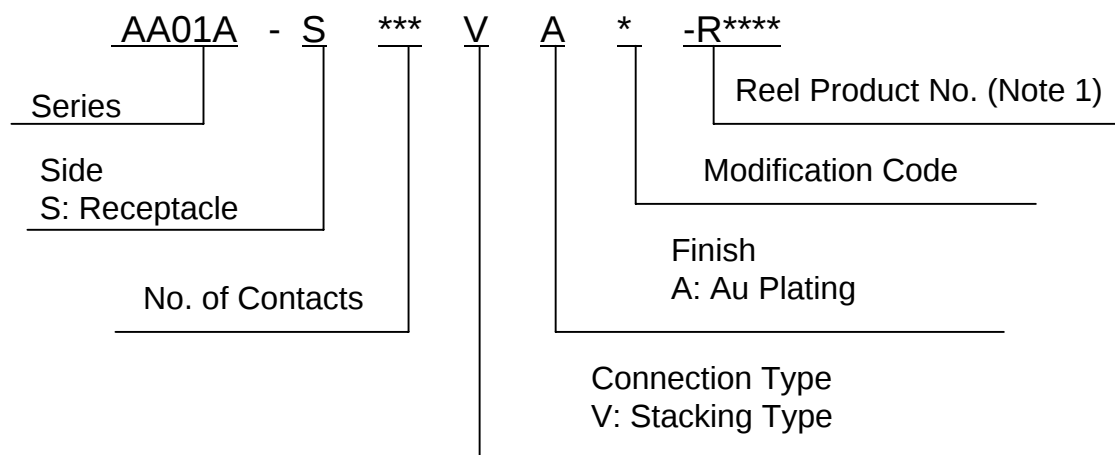
Materials and Finishes

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

Ordering Information



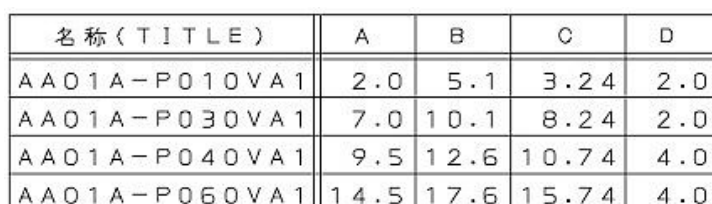
Ordering Information



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

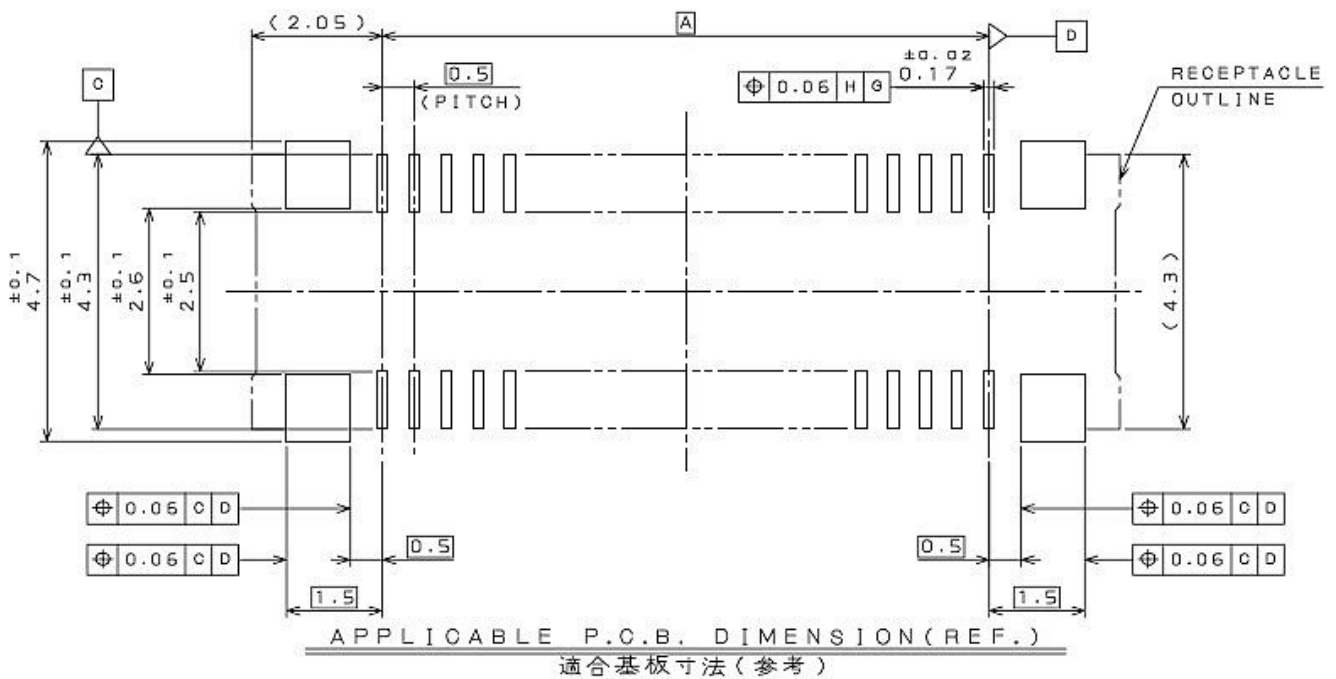
For information on emboss taping specifications, please contact us directly.

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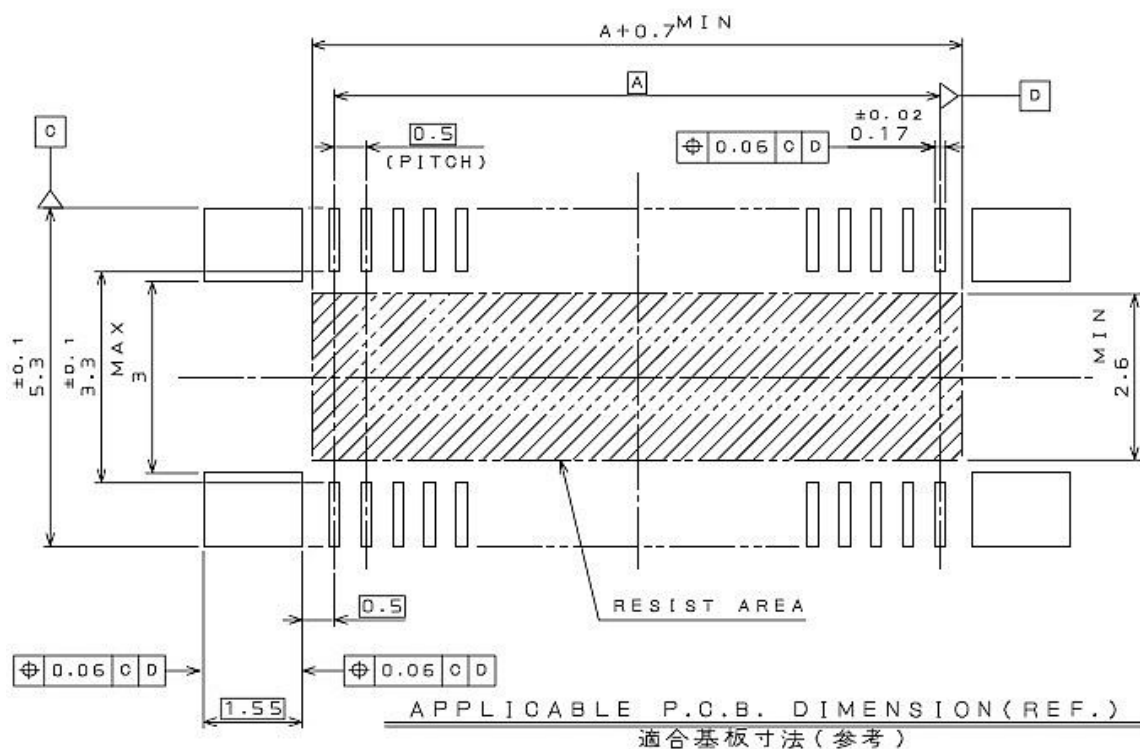
Please contact us for details of embossed tape specifications

Part Number	AA01A-P***VA1
SJ Drawing	SJ036738



Please contact us for details of embossed tape specifications

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



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Notice: Products shown in this brochure 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.