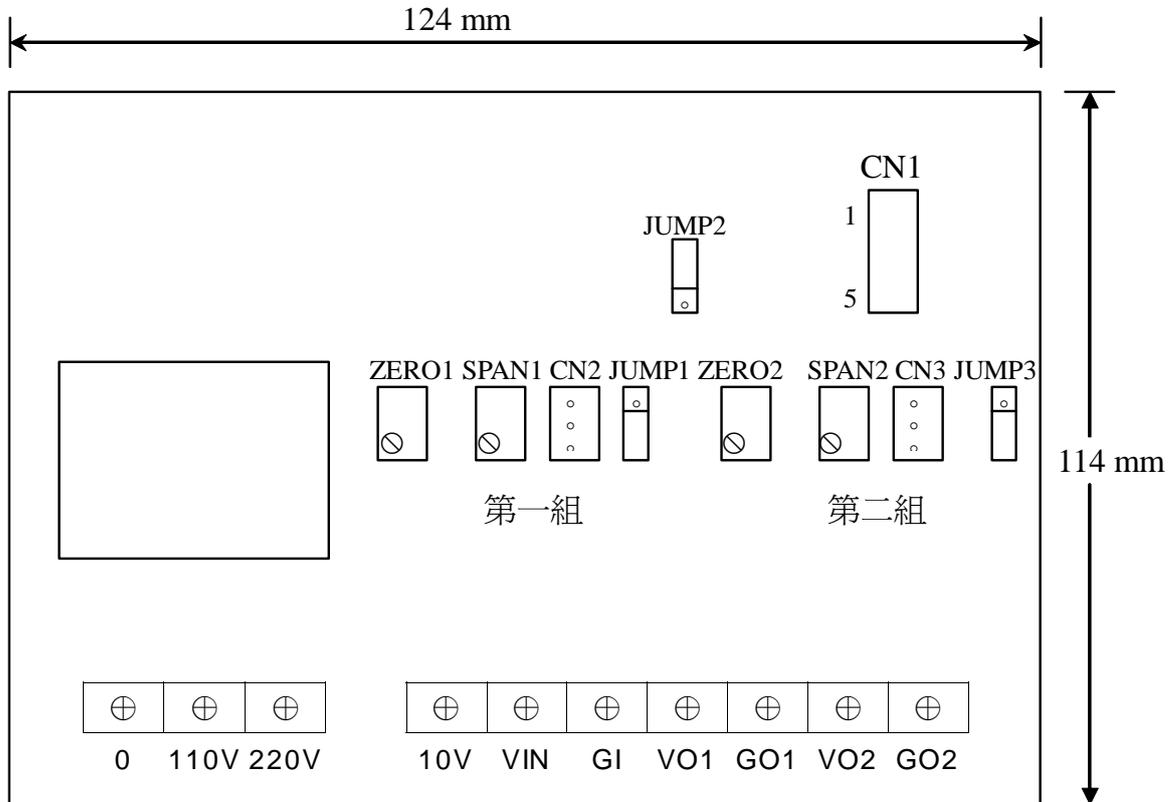


# RB5A † Ratio Control Board (Mother Board)



## Electrical Connections

- 1) Terminals 1 & 2 are AC 110V power input  
Terminals 1 & 3 are AC 220V power input  
Specification: AC  $\pm 10\%$  50/60HZ, 0.1A
- 2) Terminals 4,5 & 6 are for VR input.  
Terminal 4 is VR power input +10VDC  
Terminal 5 is VR signals input.  
Terminal 6 is VR power input 0V
- 3) Terminals 7 & 8 is First D/A output.  
Terminal 7 is +0 ~ 10VDC  
Terminal 8 is 0V
- 4) Terminals 9 & 10 is Second D/A output.  
Terminal 9 is +0 ~ 10VDC  
Terminal 10 is 0V

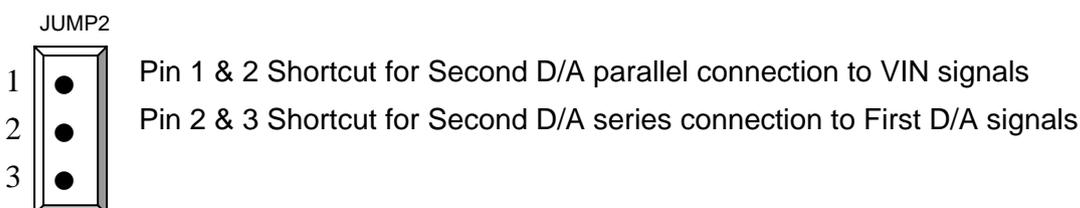
**\* Above left forms of D/A output all are independent with separate ZERO and SPAN (blue knots) for precise D/A adjustment.**  
**\* If not necessary, please don't combine each 0V together.**

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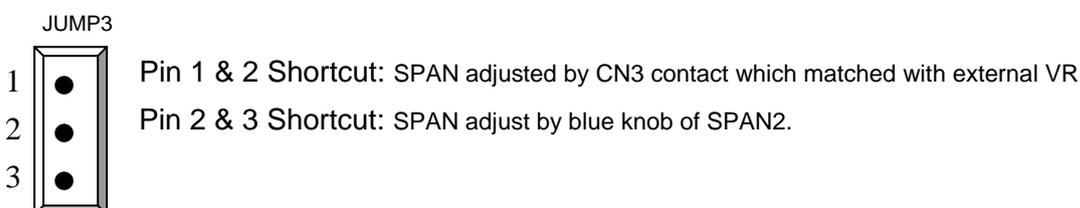
5) Pin configuration of JUMP 1 for setting First D/A SPAN mode



6) Pin configuration of JUMP 2 for Second D/A tracking sources



7) Pin configuration of JUMP 3 for setting Second D/A SPAN mode



**\*Please confirm all settings above before use.**

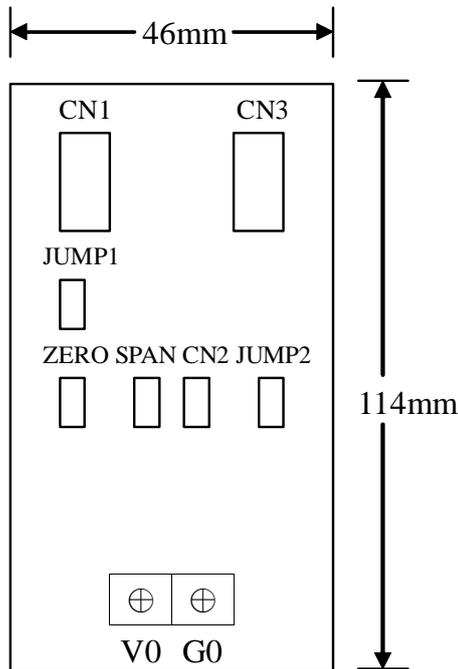
8) Contacts configuration

CN1 is the serial connection contact for transferring signals to next layer of RB5B.

CN2 is the external VR contact for First D/A SPAN.

CN3 is the external VR contact for Second D/A SPAN.

## RB5B – Daughter Board of RB5A

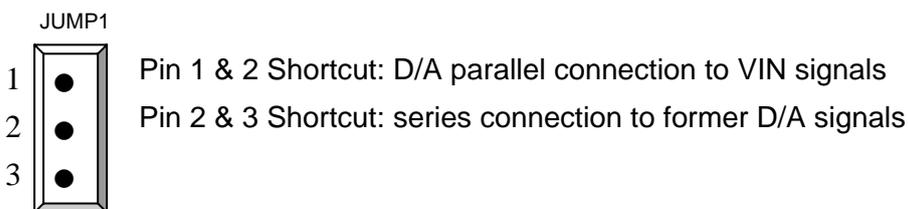


### **CAUTION:**

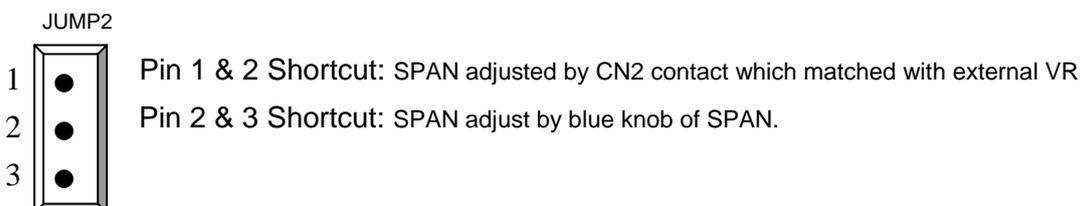
- a. Please read before use.
- b. Maximum daughter board for serial connection is 20 for each mother board (RB5A).
- c. For extending to next layer of daughter board (RB5B), you have to add a mother board (RB5A) for parallel connection.

1) Terminal Vout: D/A OUTPUT, +0 ~ 10VDC  
Terminal GND: D/A OUTPUT, 0V

2) Pin configuration of JUMP 1 for setting D/A tracking sources



3) Pin configuration of JUMP 2 for setting D/A SPAN mode



- 4) CN1 is the serial connection contact for receiving former signals from control board
- 5) CN2 is the external VR contact for First D/A SPAN.
- 6) CN3 is the serial connection contact for transferring signals to next control board.