## CONVERSION OF GALAXIAN TO CRAZY KONG

## Main Board

- 1. Piggy back two additional 2114 rams on top of existing ram 7N and two on existing ram 7P leaving pins 8 disconnected.
- 2. Piggy back 74139 on top of 8P connecting only 8 and 16.
- 3. Lift pin 4 of 8L, pin 5 of 8E, pin 6 of 2N, pin 15 of 2B.

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- 4. Connect above 74139 as follows:-

Pin 1 to Pin 9 of this chip

Pin 2 to Pin 13 of 7D

Pin 3 to Pin 3 of 7D

Pin 4 to Pin 8 of 7N

Pin 5 to Pins 8 of second pair of rams

Pin 6 to Pins 8 of third pair of rams

Pin 14 to Pin 7 of 7D

Pin 15 to Pin 4 of 8L and pin 5 of 8E

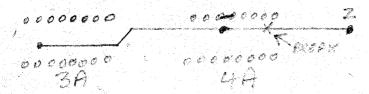
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April 15 to Pin 4 of 8L and pin 5 of 8E

- 5. On underside of board connect Pin 5 to pin 6 of 8E.
- 6. On underside of board disconnect track between 5H/F (2101) pin 20 and through hole pad under 6F. (To hide conversion can also cut pin 20 of both 2101's and link together.)
- 7. Piggy back 74LS32 in any convenient place connecting only pins 14 and 7 +5v and 0v.

Connect pin 8 to 5 F/H pin 20 Connect pin 10 to 7D pin 13 Connect pin 9 to 8M pin 12

8. On underside of board disconnect track as shown:-



- 9. Connect pin 11 of 3A to point Z on diagram above.
- 10. Connect link from 4S pin 3 to 6R pin 12.
- 11. Fit Puckman/Uniwars character expansion board. Plug in proms 12, 13, 14 and 15. Connect input to 6R pin 10.