Memory Game Instructions:

1. Solder the diode (the small, glass part with a black stripe, make sure you line the black stripe on the diode to the stripe on the board).
2. Solder the R7 resistor first (the one with the white, brown, black stripes).
3. Solder the R6 resistor second (the one with the brown, black, and orange stripes).
4. Solder the R1-R5 resistors (the ones with the red, red, and brown stripes).
5. Solder the chip socket (8 pins).
6. Solder the on/off power switch.
7. Solder the four push buttons.
8. Solder the six pin and the four pin connectors.
9. Solder the LEDs, note the color names on the board, and the long leads are positive
10. Solder the small yellow capacitor in C1
11. Solder the big capacitor in C2, note the stripe is negative.
12. Place the battery socket on the back, noting the square on top. Solder it on the front of the board.
13. Insert the Atmel TINY-45 computer chip into the socket, noting the dot and the mark on board
14. Insert the battery with the + up, and turn it on ☺