PBJ EU Assembly Instructions

This document assumes assembly from bare boards or partially assembled boards. Skip step 3 if you have partially assembled boards.

Because of the density of the circuitry, a conical .8mm tip soldering iron is suggested.

Difficulty: beginner. OK for first build.

1. Assemble main board first.
2. Install test points and wiring connector J6 to the top side of the main board.
3. Use solid 14ga wire to make GND bars from test points 9-12.
4. Install SMD mating connector to the bottom side of the main board.
5. Assemble sub board next.
6. Install SMD components and power connector on the bottom side of sub board.
7. Install all components except LEDs on top side of sub board.
8. Place LEDs with stand-offs into sub board and mate the sub board with the main board.
9. Solder LEDs while adjusting their position to match the windows on the main board.
10. Install proto-boards. They lock together for a tight fit. You can do this before fixing them to the board.
11. That’s all! You’re ready to start developing awesome synth circuitry the easy way.