

# OWL Analog Rev04 Build Instructions

*in the assembly jig:*

- 1) solder resistors and diodes
- 2) solder voltage regulator, ic socket, transistors, ceramic disc, tantalum, electrolytic caps
- 3) solder short wima capacitors: 1n, 2n2, 100n

*by hand:*

- 1) solder push button
- 2) solder tall wima capacitors: 1uF, polyfuse
- 3) solder headers using protoboard jig
- 4) solder dc sockets
- 5) solder pots
- 6) solder jacks
- 7) solder footswitch connection

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- Tantalum capacitor C900 is polarised with positive lead on the regulator side, negative towards pots
  - Jacks go on the bottom (solder side) of the pcb
  - DC socket go on the bottom
  - Push DC socket back as far as possible and make sure it is straight
  - Female headers go on the bottom
  - Male 2pin header goes on the bottom
  - Pots must be soldered on straight
  - Foot switch pcb stomp label must be visible
  - Foot switch should have its bottom nut a few mm from the base
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- 5pin header for power, PA3, PA2
  - 5pin header for IN, VMID, HP
  - 4pin header for PE5, PE4, PE3, PE2
  - 4pin header for ADC
  - 4pin header for USB