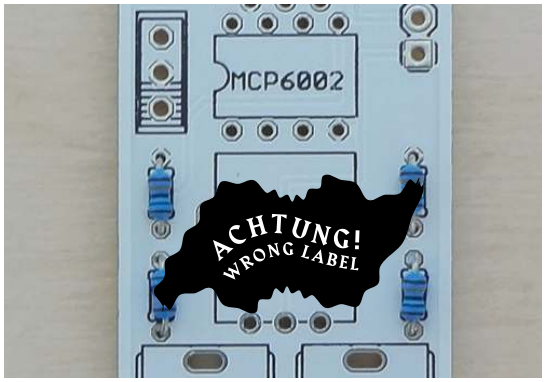
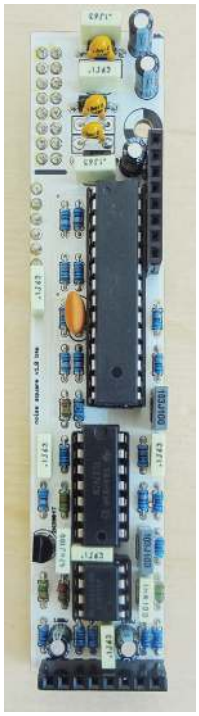
B

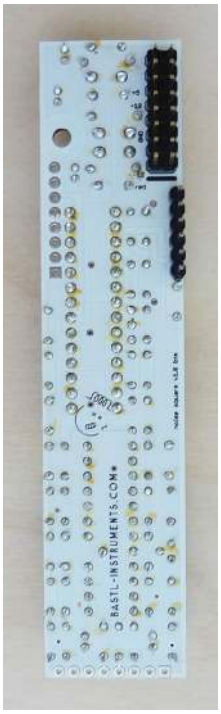
THIS IS A BRIEF GUIDE FOR MORE ADVANCED USERS. IF YOU ARE A BEGINNER PLEASE LOOK FOR THE DETAILED GUIDE ON OUR WEBSITE.

Start by populating and soldering the boards with the shortest and smallest parts. Taking care of the values, polarity and alignment of the components.

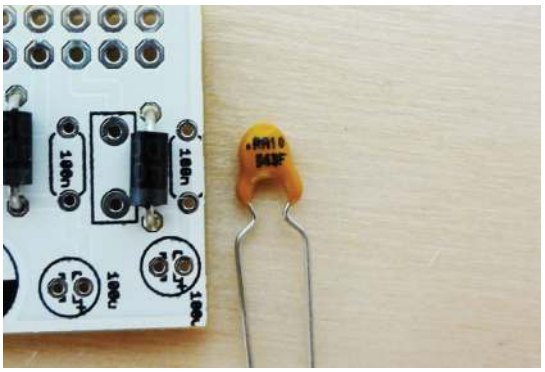


All crossed out resistors are 100k
All 100uF capacitors are 10uF





BOTTOM BOARD



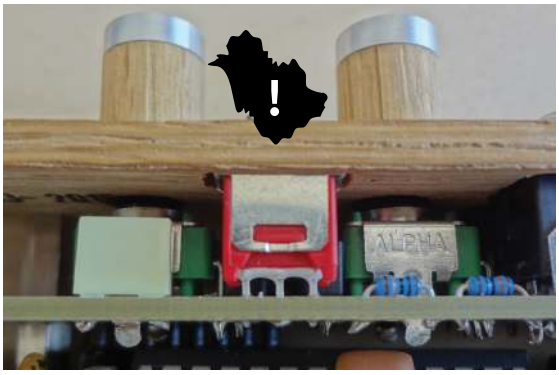
The protective fuse looks quite similar to ceramic capacitors but is placed in the blank rectangular marking

To ensure that all the connectors are properly aligned, solder them with the two boards connected and screwed together. The same goes for the UI components, solder them with the front panel secured in place.

New

NOISE SQUARE 1.0
BRIEF MANUAL

Before connecting anything, make sure that your system is disconnected from power and the polarity of the ribbon cable is correct!



Switch has to be raised a bit off the PCB to reach the front panel

BILL OF MATERIALS

17 x 100k resistor
7 x 1k resistor
2 x 22k resistor
1 x 270k resistor
1 x 47k resistor
2 x 470k resistor
9 x 100nF capacitors
2 x 10n capacitor
1 x 1n capacitor
1 x 47n capacitor
5 x 10uF capacitors
3 x 1N4007 diode
8 x jack connector
1 x 72 IC
1 x 74 IC
1 x 2N3904 transistor
1 x ATMEGA328
1 x 20MHz resonator
1 x MCP6002
3 x 100k linear potentiometer
3 x 100mA fuse
1 x 28pin DIL socket
1 x 14pin DIL socket
2 x 8pin DIL socket
1 x 16pin female header
1 x 22pin male header
1 x 2x8 male header
1 x ribbon cable 2x8
3 x pot knob
1 x 11mm nut - nut spacer
1 x 10mm nut - screw spacer
8 x jack washers
8 x jack nuts
2 x 6mm screws
2 x 8mm panel screws
1 x front panel
2 x PCB

TOP BOARD