

Sheet: /
 File: EvaBoard.kicad_sch

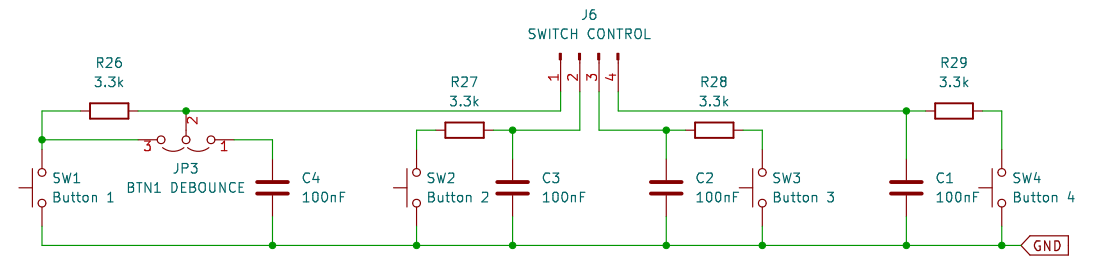
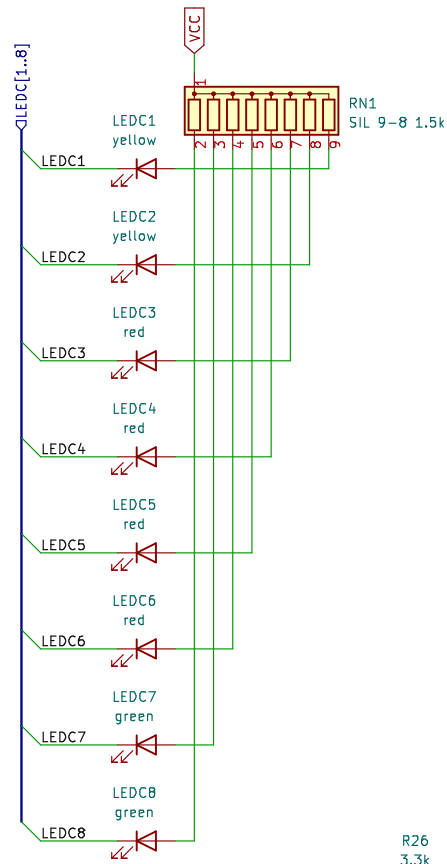
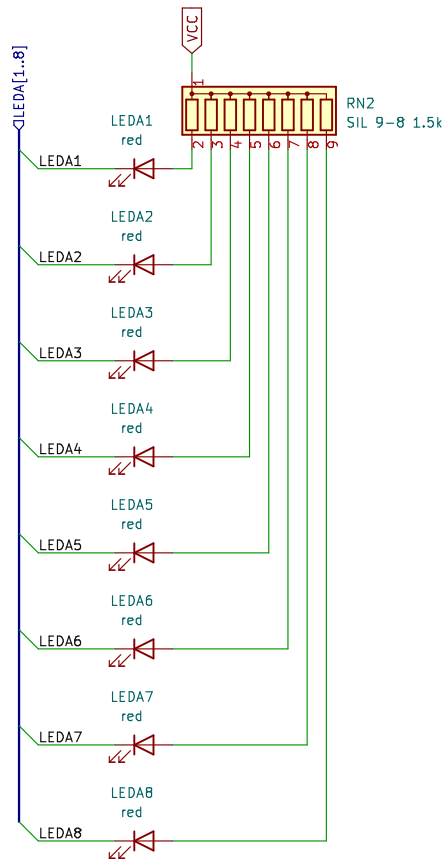
Title:

Size: A4
 KiCad E.D.A. kicad 6.0.2+dfsg-1

Date:

Rev:

Id: 1/5



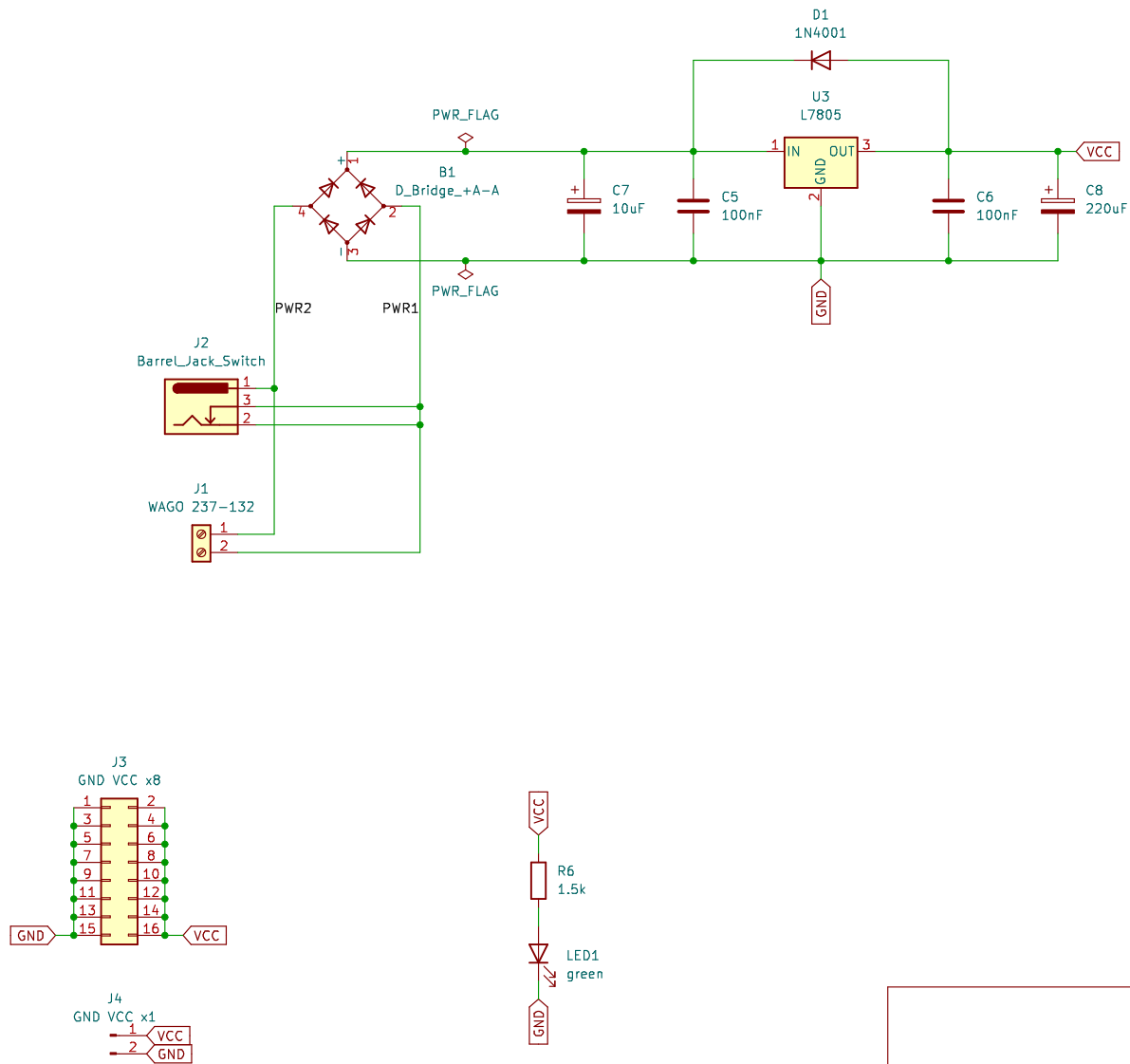
Sheet: /LEDs & Buttons/
File: LEDs_Buttons.kicad_sch

Title:

Size: A4
KiCad E.D.A. kicad 6.0.2+dfsg-1

Date:

Rev:
Id: 2/5



Sheet: /Power Supply/
File: PowerSupply.kicad_sch

Title:

Size: A4
KiCad E.D.A. kicad 6.0.2+dfsg-1

Date:

Rev:
Id: 3/5

The original LCD has a slightly unorthodox pin layout of [DB7, ..., VSS, K, A] (left to right) with the pins being located below the screen.

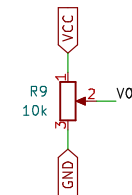
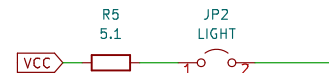
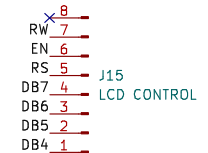
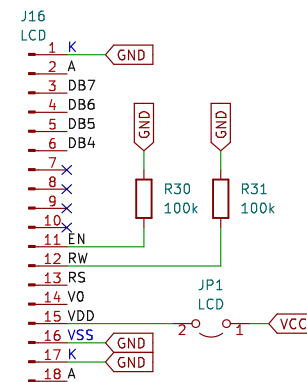
However, most LCDs (and certainly most of the affordable ones) have [VSS, ..., DB7, A, K] with the pins being located above the screen.

Complete list of pins for reference:
Control pins: VSS, VDD, V0, RS, RW, E, DB0, ..., DB7
LED pins: K (cathode), A (anode)

This board allows for both:

- For the first option [DB7, ..., VSS, K, A], solder a 16-pin socket to pins 3..18 and leave pins 1..2 unpopulated.
- For the second option [VSS, ..., DB7, A, K], solder a 16-pin socket to pins 1..16 and leave pins 17..18 unpopulated.

Keep in mind that the drill holes may not work for all LCDs.

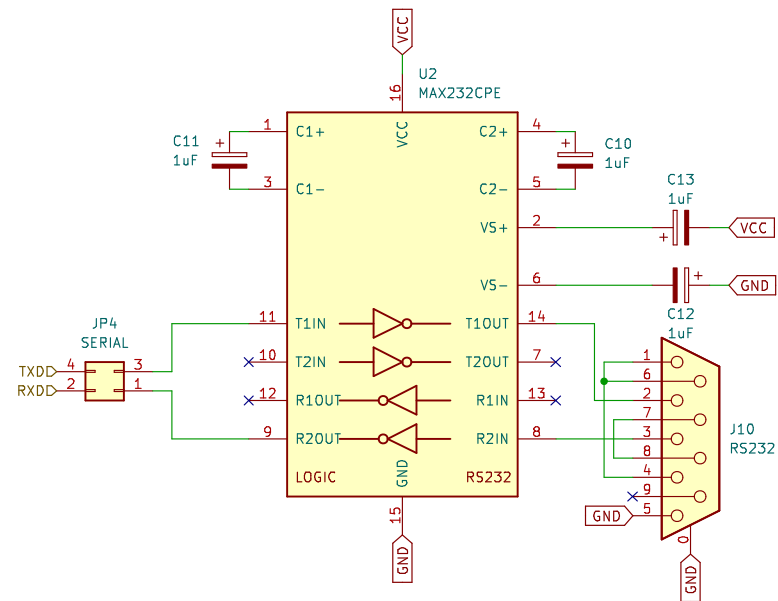


Sheet: /LCD/
File: LCD.kicad_sch

Title:

Size: A4 Date:
KiCad E.D.A. kicad 6.0.2+dfsg-1

Rev:
Id: 4/5



Sheet: /Serial/
File: Serial.kicad_sch

Title:

Size: A4
KiCad E.D.A. kicad 6.0.2+dfsg-1

Date:

Rev:
Id: 5/5