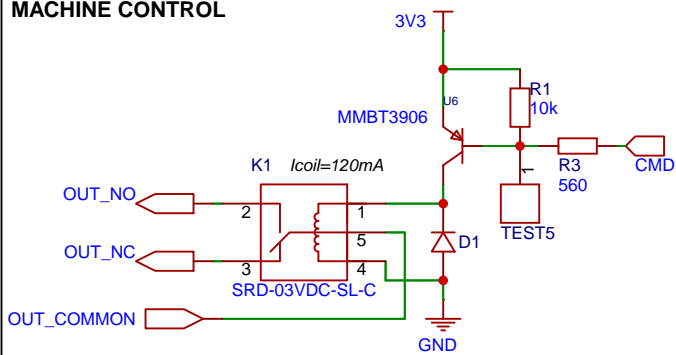
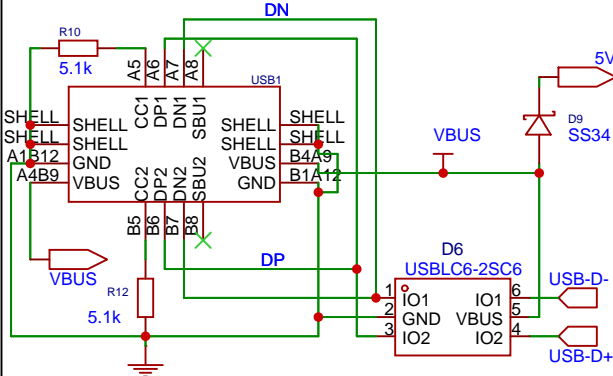


MACHINE CONTROL

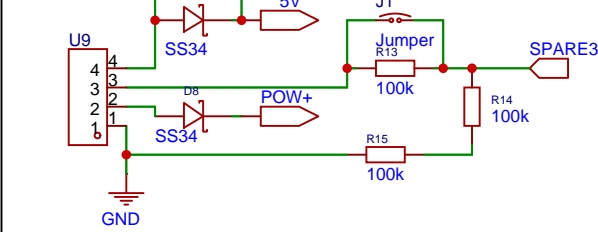


CONNECTORS

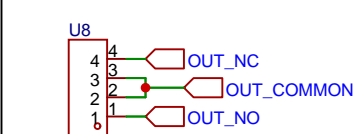
USB C



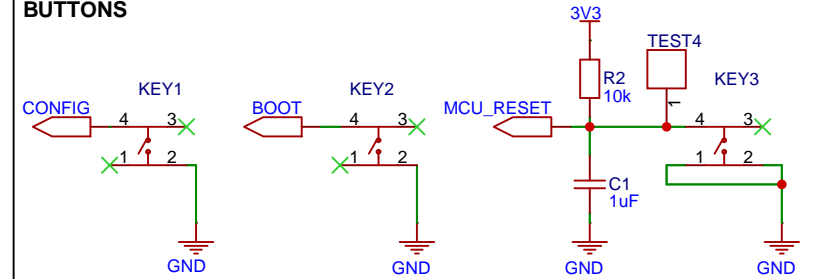
POWER TB



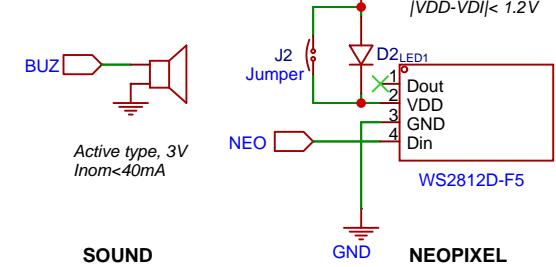
MACHINE TB



BUTTONS

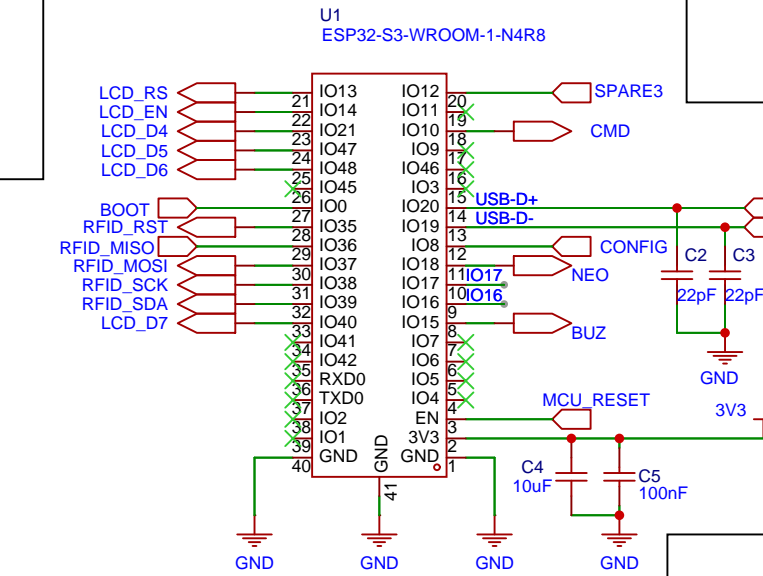


BUZZER1

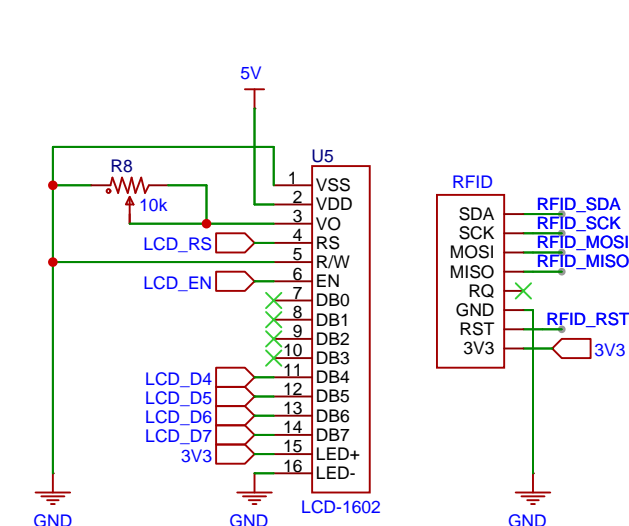


SOUND

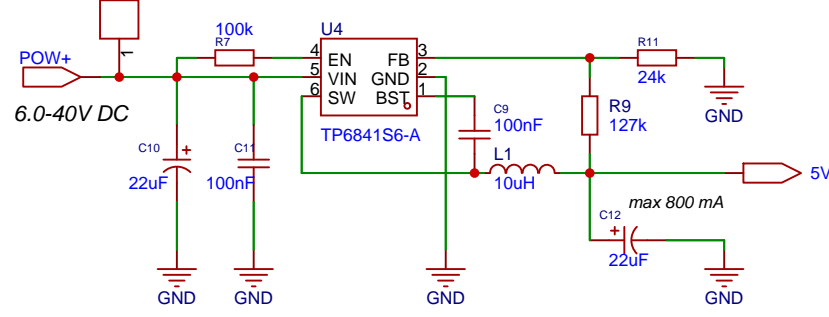
NEOPIXEL



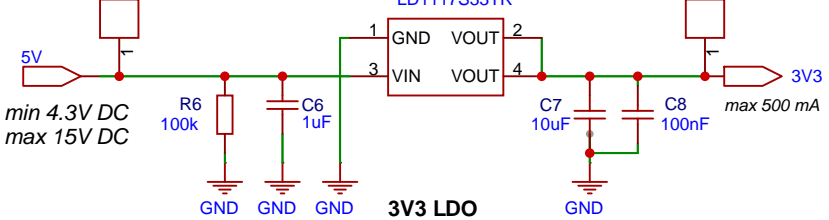
MODULES INTERCONNECTS



BUCK CONVERTER



3V3 LDO




TITLE:		REV: 1.3	
FAB-O-MATIC-rev1.3		Sheet: 1/1	
EasyEDA		Company: FABLAB Bergamo	
Date: August, 2024		Drawn By: pascal.brunot	

IDEAS

- use ENIG gold finish on front panel for graphical element
- evaluate protection if both USB and external power are active.
- Implement overvoltage protection on 5V
- Layout: move switching converter away from the rest. Review layout based on PCB in datasheets.
- Make the design 230VAC compliant, add earthing connection

CHANGELOG

- Rev1.3 : diode for reverse powerflow USB protection
- Rev1.3 : mains AC on PCB change
- Rev1.2 : fixed input protection
- Rev1.2 : soldering pad for 5V/3V3 EXT
- Rev1.1 : fixed R11 connection between FB and GND
- Rev1.1 : fixed footprint of RFID chip (pins description in reverse order)
- Rev1.1 : moved buzzer to top side
- Rev1.1 : fixed wrong footprint of Q1

Schematic	FAB-O-MATIC			Update Date	2024-08-17
				Create Date	2024-08-17
Page	Notes			Part Number	JLCPCB-002
Drawn	PBrunot				
Reviewed					
		VER	SIZE	PAGE 2	OF 2
		V0.1	A4	FabLab BG	