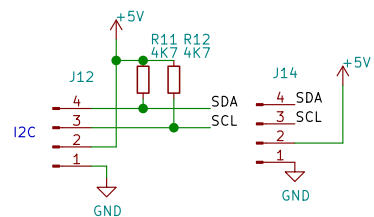
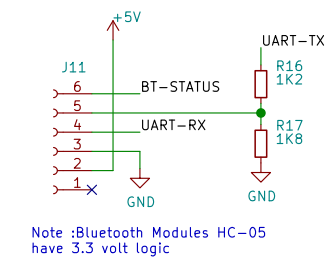


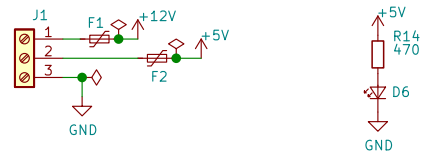
## SERIAL COMMUNICATION



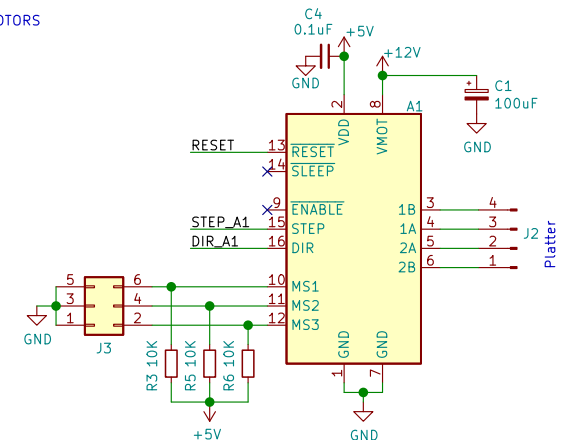
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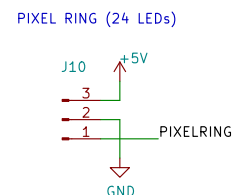
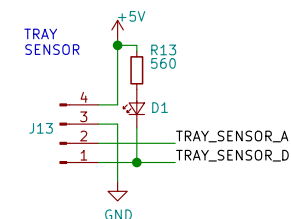
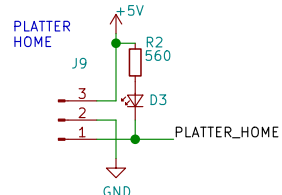
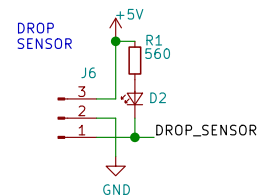
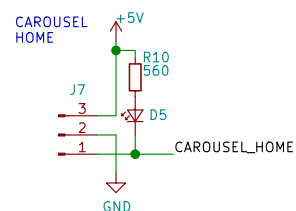
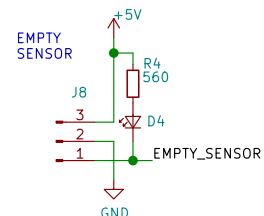
## POWER



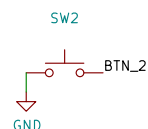
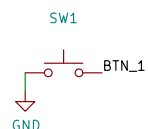
## MOTORS



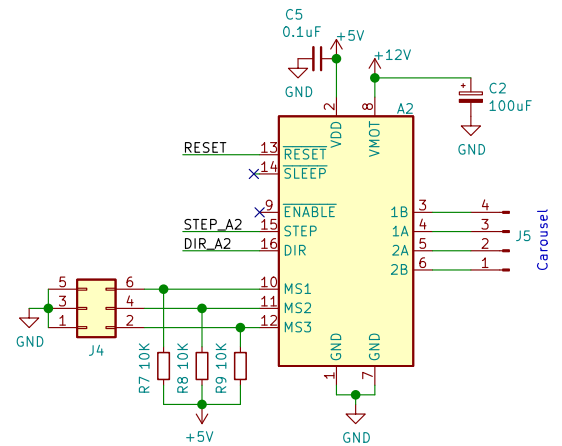
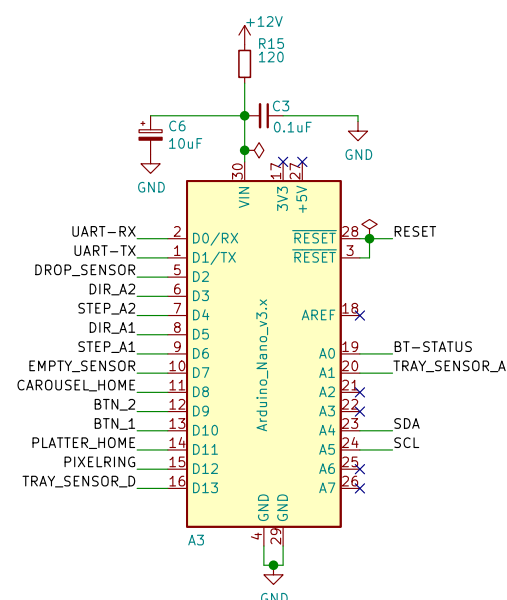
## INPUT/OUTPUT PERIPHERALS



Note: you can use  
- 2 pin sensor (e.g. HC - SR04);  
- open collector sensor (eg. IR Barrier);  
- analog sensor (e.g. SHARP IR sensor);



## MICROCONTROLLER



## MS1 MS2 MS3 Microstep Resolution

L	L	L	Full Step
H	L	L	Half Step
L	H	L	Quarter Step
H	H	L	Eighth Step
H	H	H	Sixteenth Step (default)

- H1 MountingHole
- H2 MountingHole
- H3 MountingHole
- H4 MountingHole
- H5 MountingHole

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Sheet: /  
File: power-board.sch

## Title: Dispenser – Mainboard

Size: A4 Date: 2020–12–06  
KiCad E.D.A. kicad (5.1.5)–3

Rev: v. 1.2  
Id: 1/1