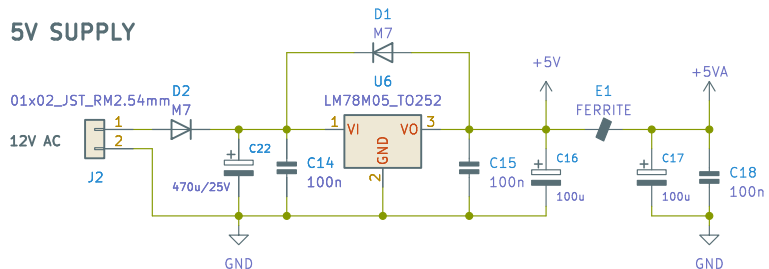
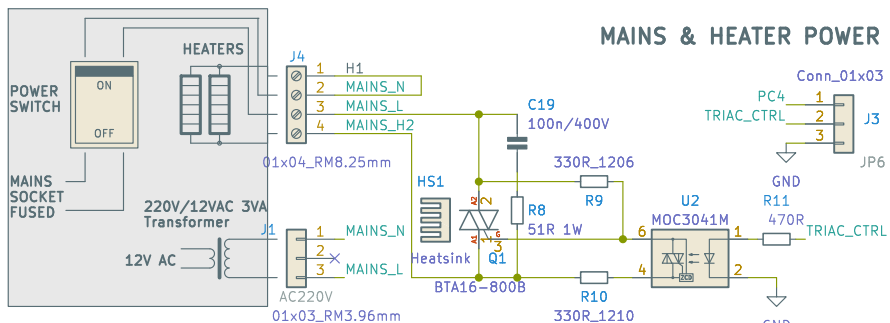


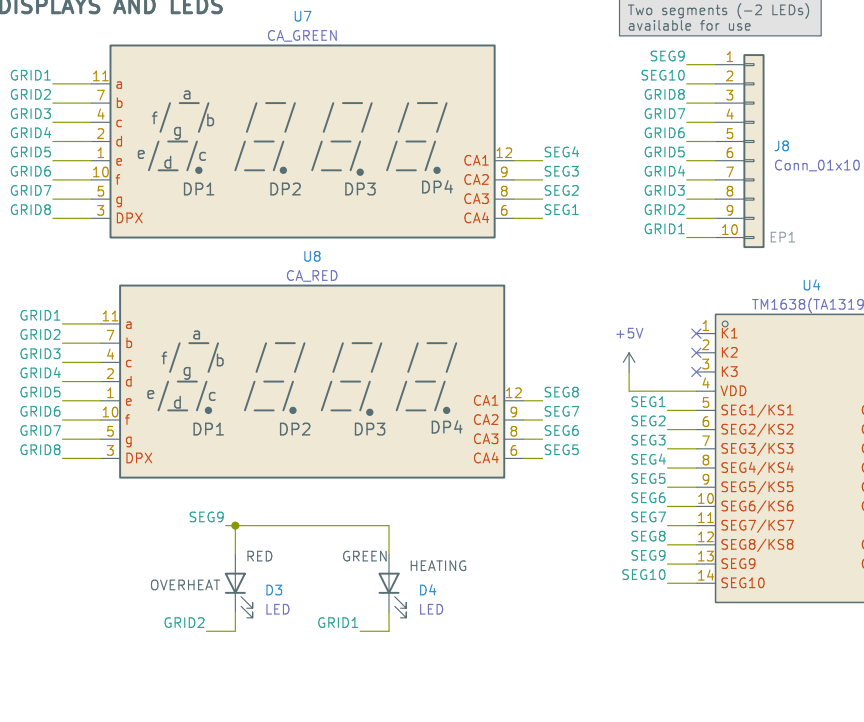
## 5V SUPPLY



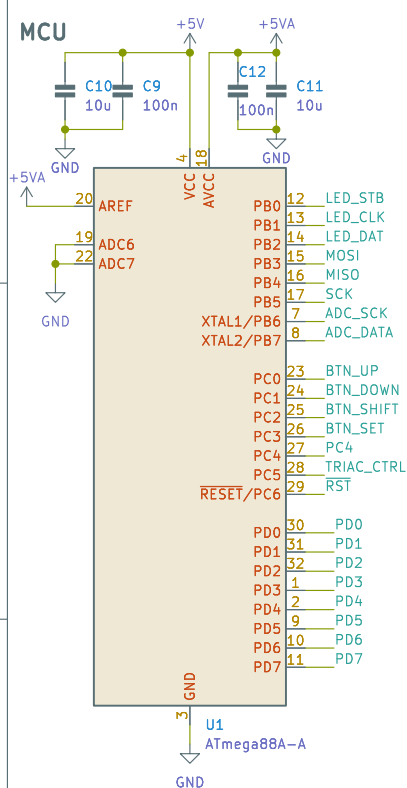
## MAINS & HEATER POWER



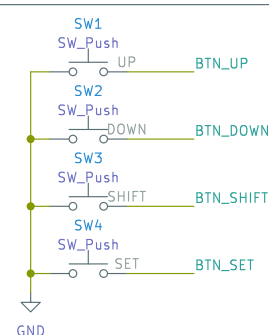
## DISPLAYS AND LEDS



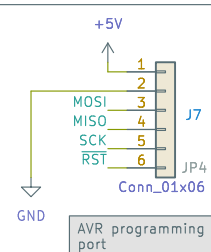
## MCU



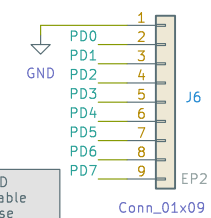
## BUTTONS



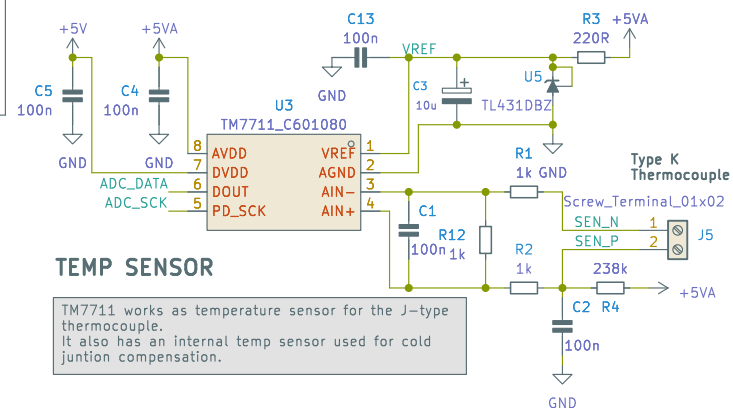
## ISP



## PORT D HEADER



Reverse engineered from a unit bought in 03.2023. There still might be errors in the schematic!  
Use for experimenting and further development.  
The main MCU can be replaced with common AtMega328P and programmed using the AVR-ISP.



## TEMP SENSOR

TM7711 works as temperature sensor for the J-type thermocouple. It also has an internal temp sensor used for cold junction compensation.

P.Z.

# HP-B100 PCB HOTPLATE

Sheet: /  
File: BTH100\_Hotplate.kicad\_sch

**Title: HP-B100 Hotplate**

Size: A4 Date: 2023-03-06  
KiCad E.D.A. kicad 7.0.5-4d25ed1034-172-ubuntu22.04.1

Rev: 1.0  
Id: 1/1