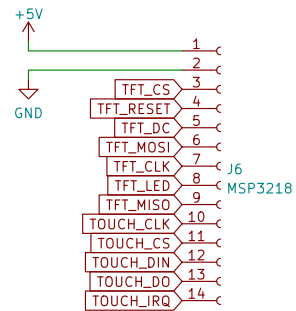
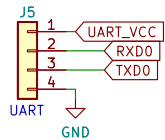
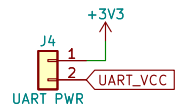
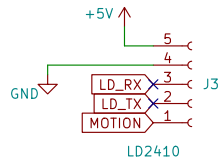
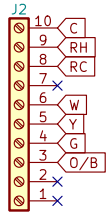
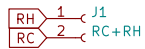
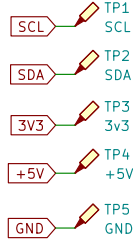


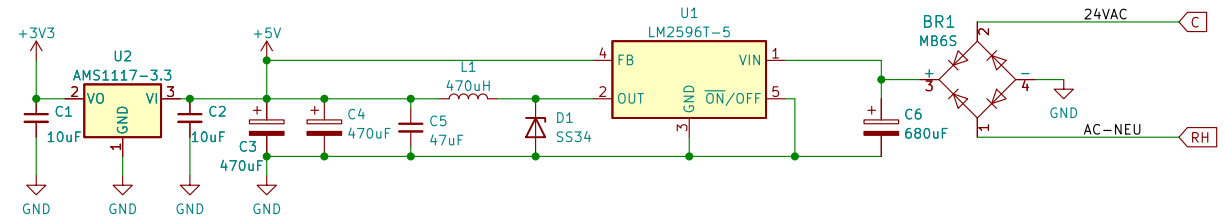
## Connectors



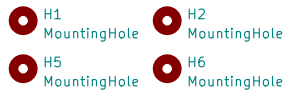
## Test Points



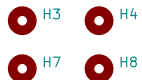
## Power Supply



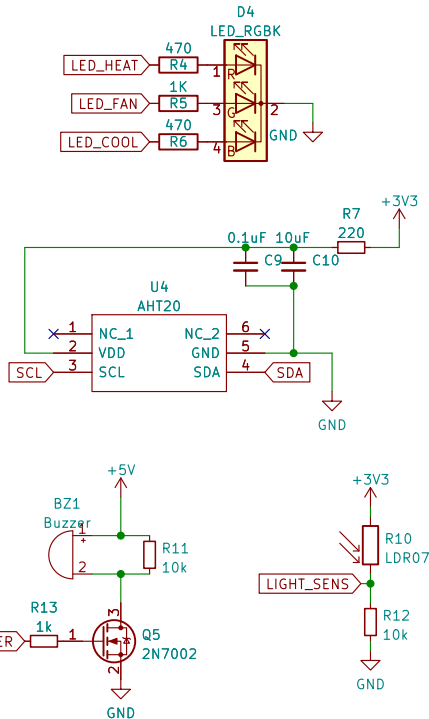
## TFT Mounting Holes



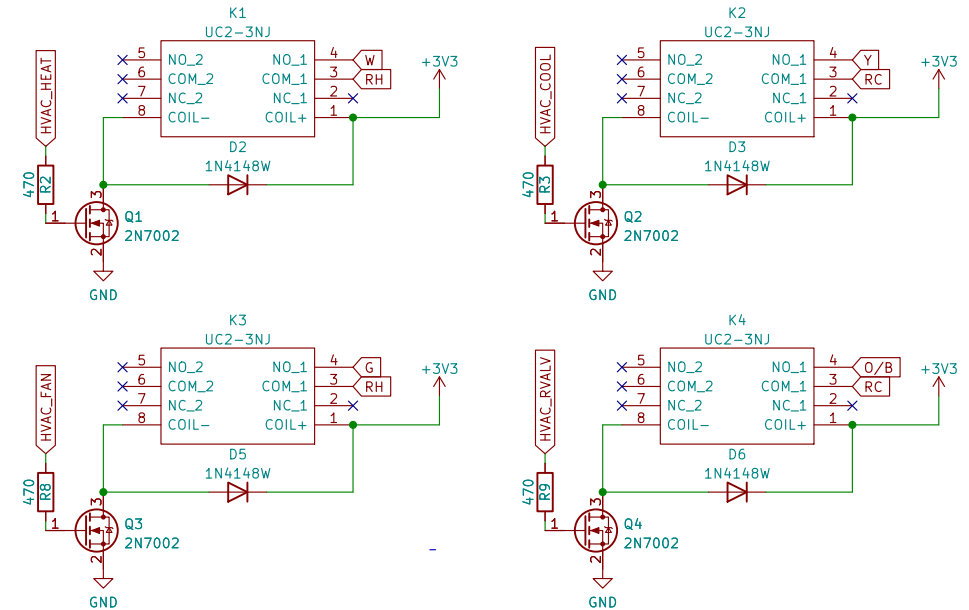
## PCB Mounting Holes



## Sensors & Indicators



## HVAC Relays



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steve@meisners.net

**Steve Meisner**

Sheet: /

File: Thermostat.kicad\_sch

**Title: Smart Thermostat**

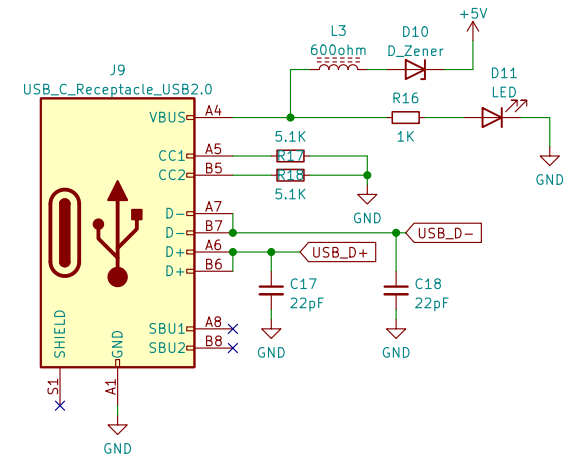
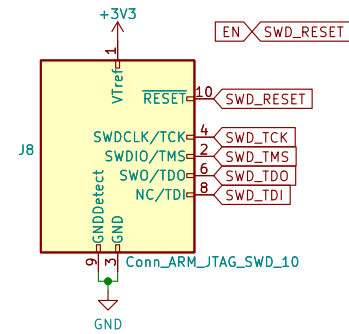
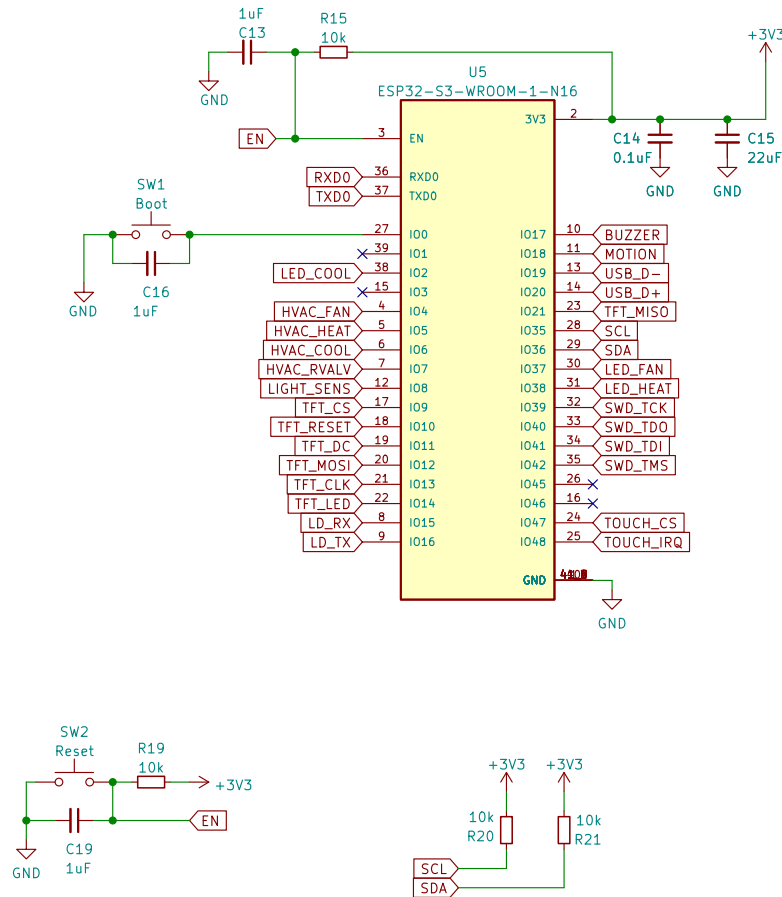
Size: A4 Date: 2023-07-05

KiCad E.D.A. kicad 6.0.11+dfsg-1-bpo11+1

**Rev: 0.5.2**

Id: 1/2

NOTE: IO3, IO45 and IO46 are strapping pins and should be avoided. They are used during ESP32 boot sequence.



NOTE: USB shield is intentionally not connected. This port will be connected to a PC, which probably has its USB shield connected to Earth. Our GND and Earth must be isolated.

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steve@meisners.net

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Sheet: /Processor/  
File: Thermostat-processor.kicad\_sch

**Title: Smart Thermostat**

Size: A4 Date: 2023-07-05

KiCad E.D.A. kicad 6.0.11+dfsg-1-bpo11+1

**Rev: 0.5.2**

Id: 2/2