

123456

Sheet: Power

File: Power.sch

Sheet: Input

File: Input.sch

Sheet: Brain

File: Brain.sch

Sheet: Output

File: Output.sch

H1

MountingHole

H2

MountingHole

H3

MountingHole

H4

MountingHole

Sheet: /

File: IoT12.sch

Title: IoT12—hardware

Size: A4

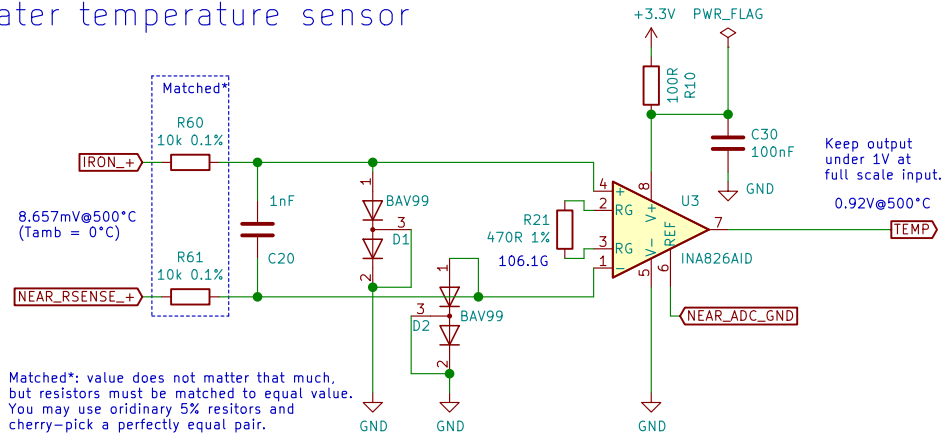
Date: 2021-02-22

Rev: V2.0

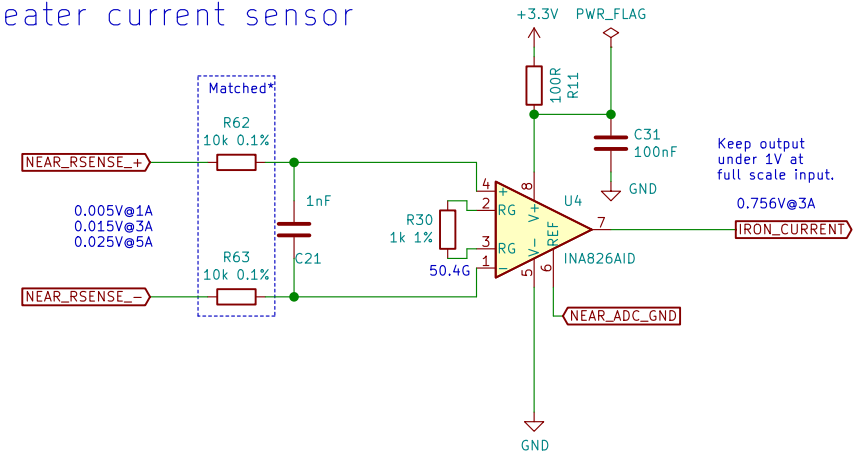
KiCad E.D.A. kicad (5.1.9)–1

Id: 1/5

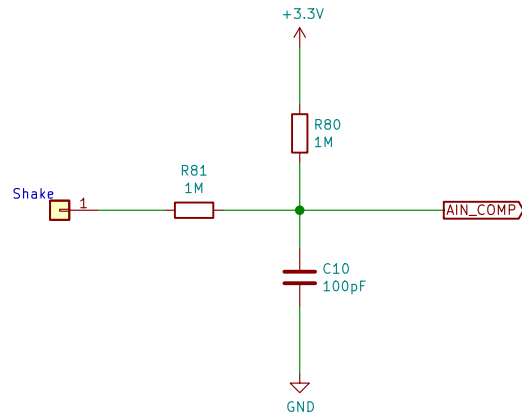
Heater temperature sensor



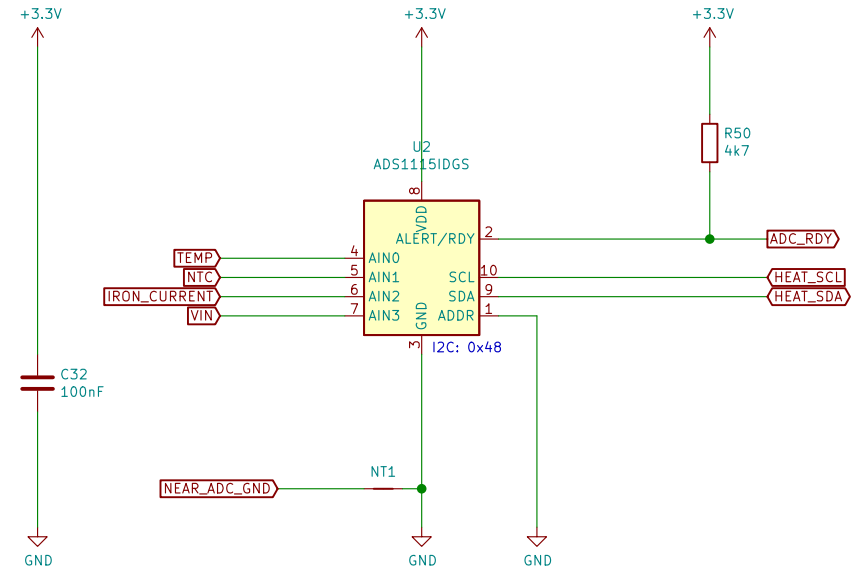
Heater current sensor



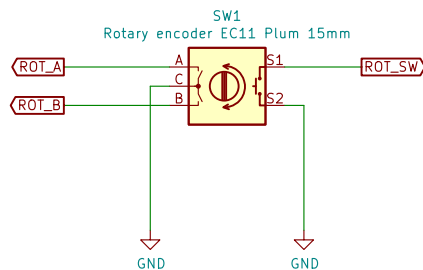
Tilt switch sensor as shake sensor



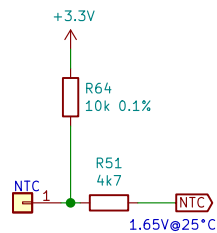
External 16b I2C ADC



User input



Handle NTC



Sheet: /Input/
File: Input.sch

Title: IoT12-hardware input and sensors

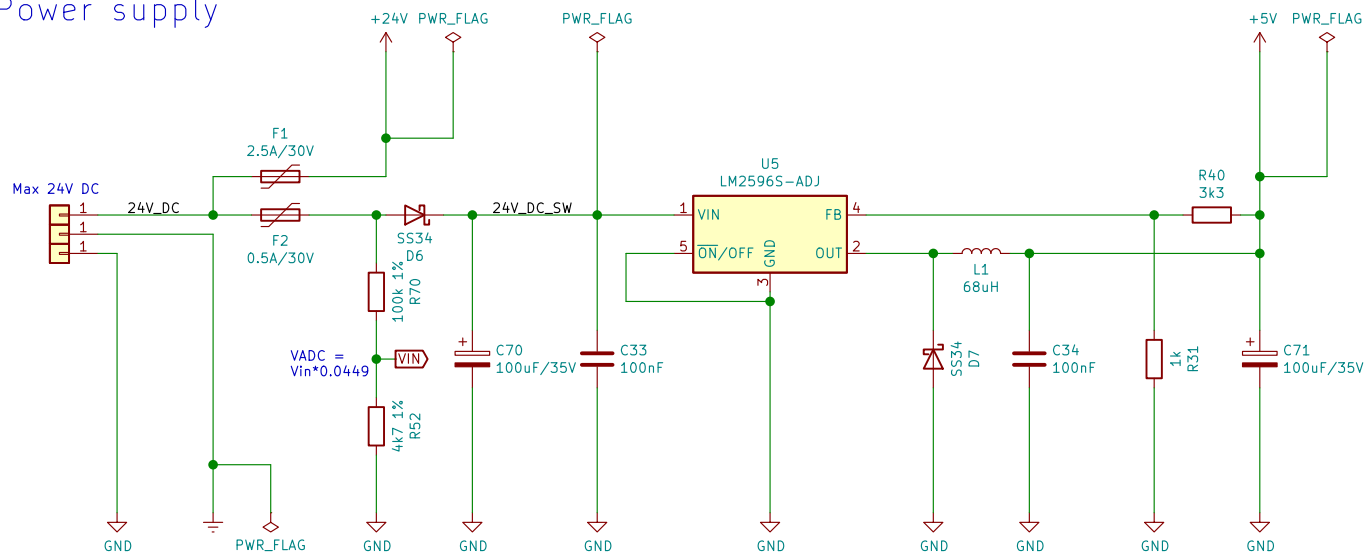
Size: A4 Date: 2021-02-22

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Rev: V2.0

Id: 2/5

Power supply



Sheet: /Power/
File: Power.sch

Title: IoT12-hardware power supply

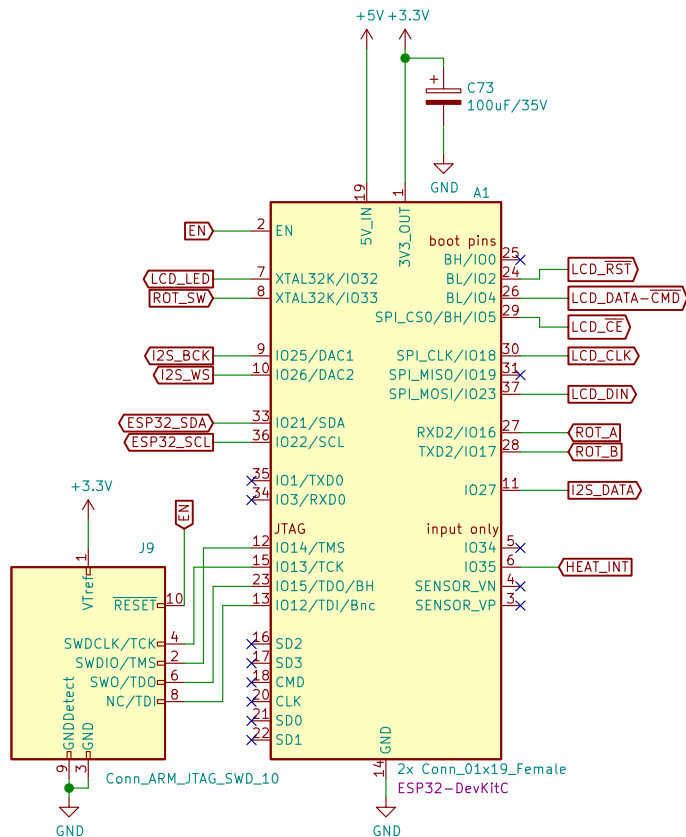
Size: A4 Date: 2021-02-22

KiCad E.D.A. kicad (5.1.9)-1

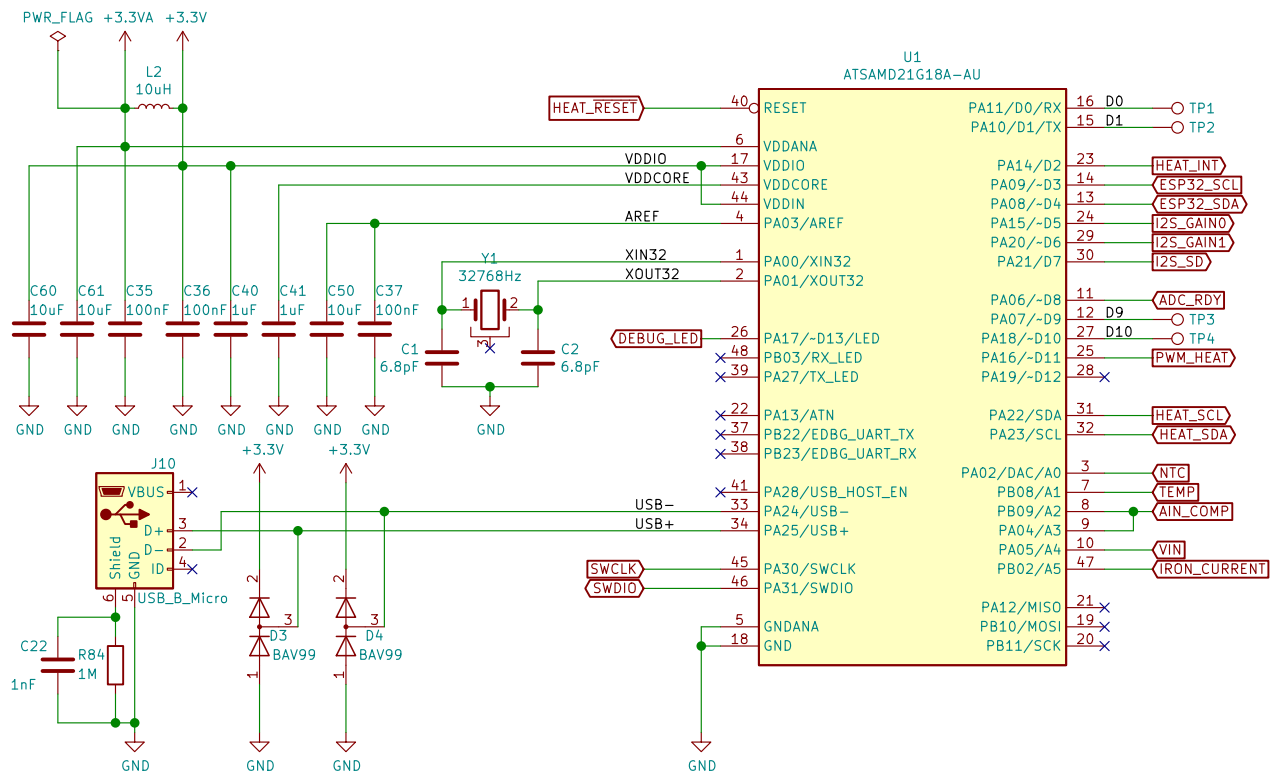
Rev: V2.0

Id: 3/5

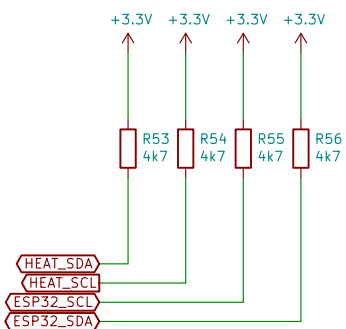
ESP32 wireless module



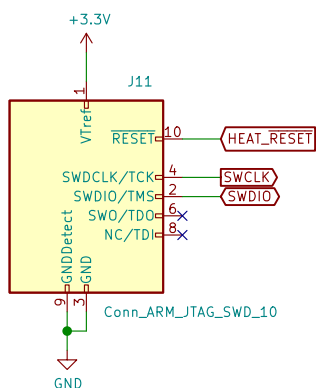
Heat controller



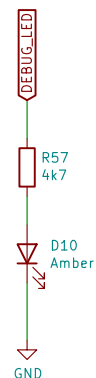
The pull is strong



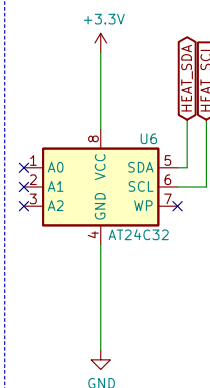
Heat controller SWD



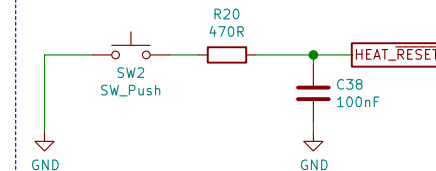
Debug LED



EEPROM



Heat controller reset



Sheet: /Brain/
File: Brain.sch

Title: IoT12-hardware brain

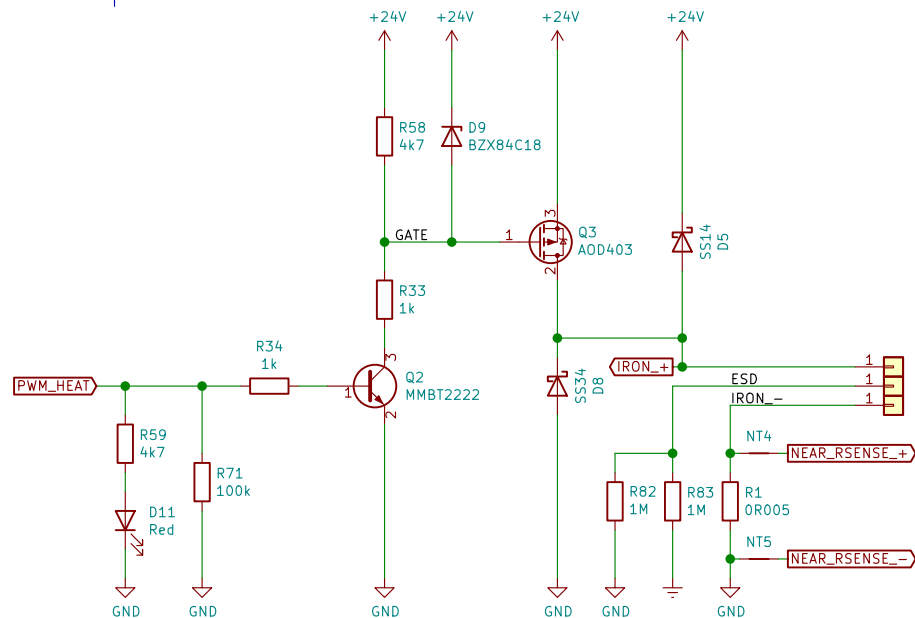
Size: A4 Date: 2021-03-07

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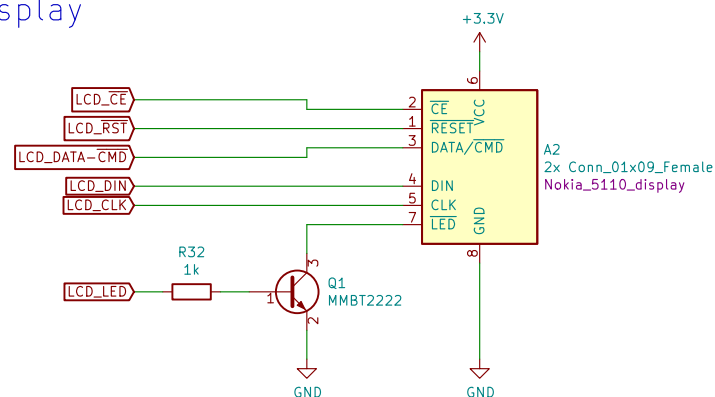
Rev: V2.1

Id: 4/5

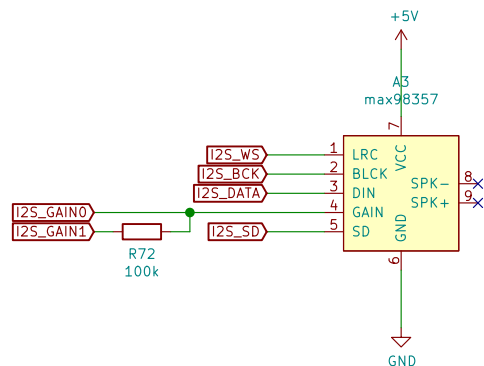
Heater power



Display



Bleep bloop module



Sheet: /Output/
File: Output.sch

Title: IoT12-hardware output

Size: A4	Date: 2021-02-22
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Rev: V2.0

Id: 5/5