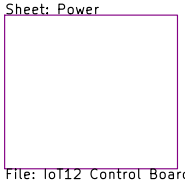
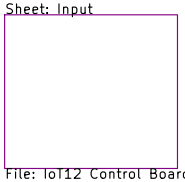
Sheet: Power



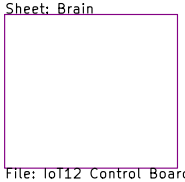
File: IoT12 Control Board Power.sch

Sheet: Input



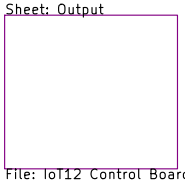
File: IoT12 Control Board Input.sch

Sheet: Brain



File: IoT12 Control Board Brain.sch

Sheet: Output



File: IoT12 Control Board Output.sch

H1 MountingHole

H2 MountingHole

H3 MountingHole

H4 MountingHole

Sheet: /
File: IoT12 Control Board.sch

Title: IoT12-hardware

Size: A4	Date: 2021-09-26	**Rev: V2.1**
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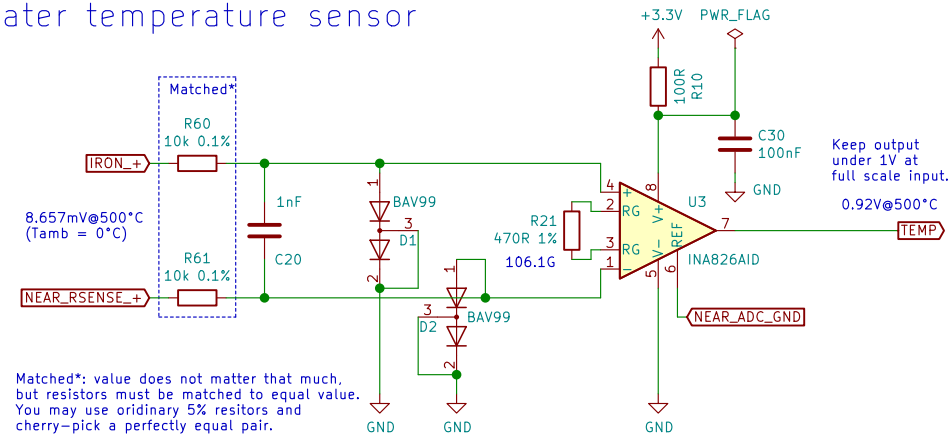
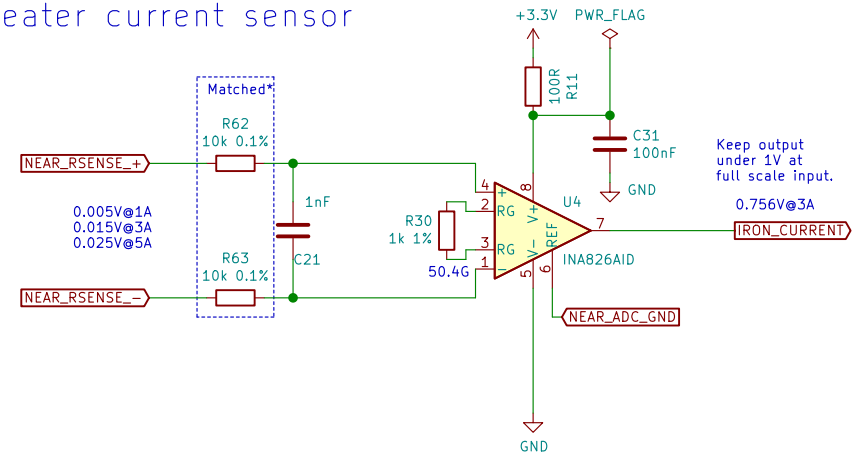
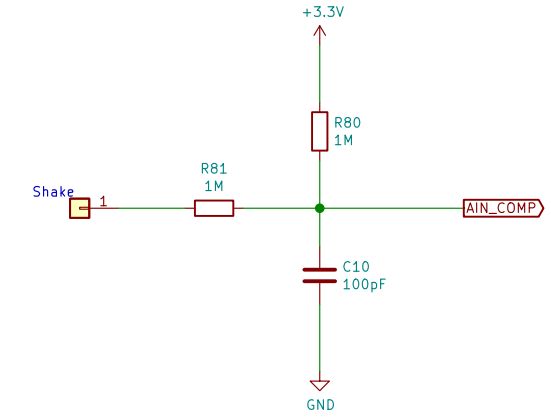
Heater temperature sensor



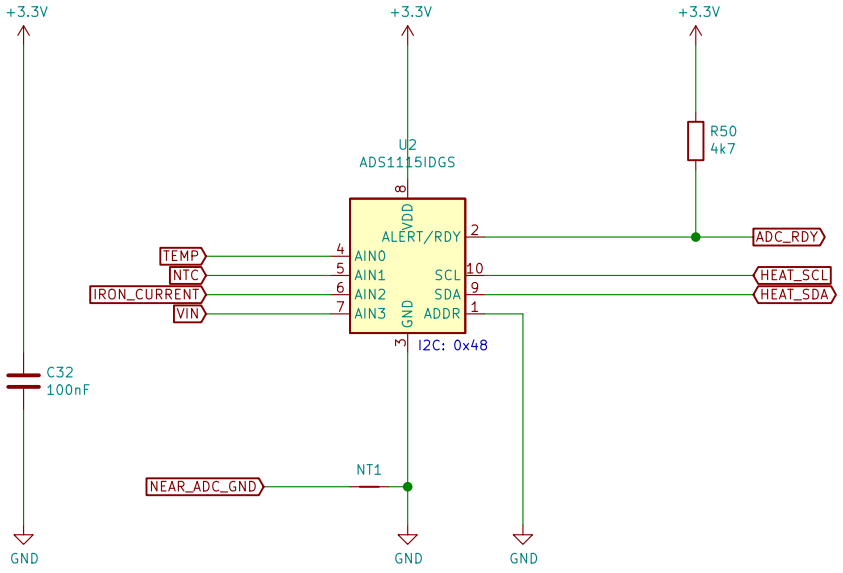
Heater current sensor



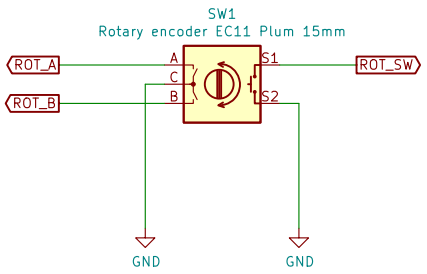
Tilt switch sensor as shake sensor



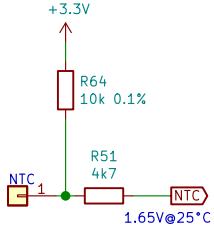
External 16b I2C ADC



User input



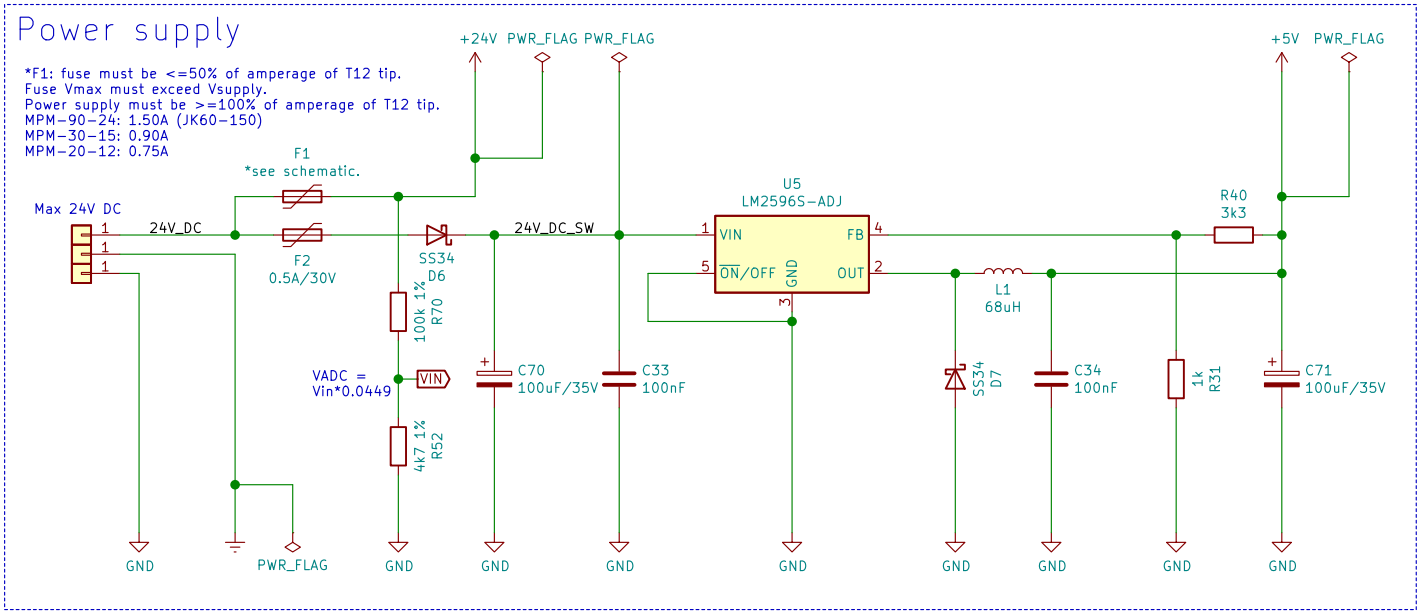
Handle NTC

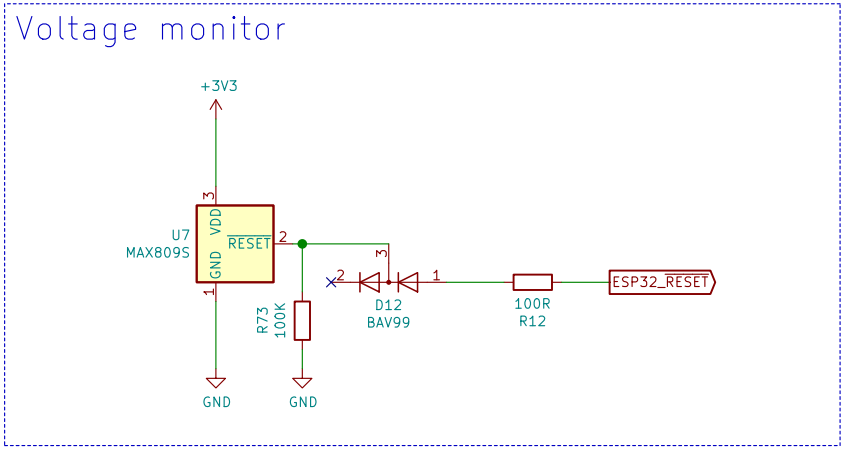


Sheet: /Input/
File: IoT12 Control Board Input.sch

Title: IoT12-hardware input and sensors

Size: A4	Date: 2021-09-26	**Rev: V2.1**
KiCad E.D.A. kicad (5.1.10)-1		Id: 2/5



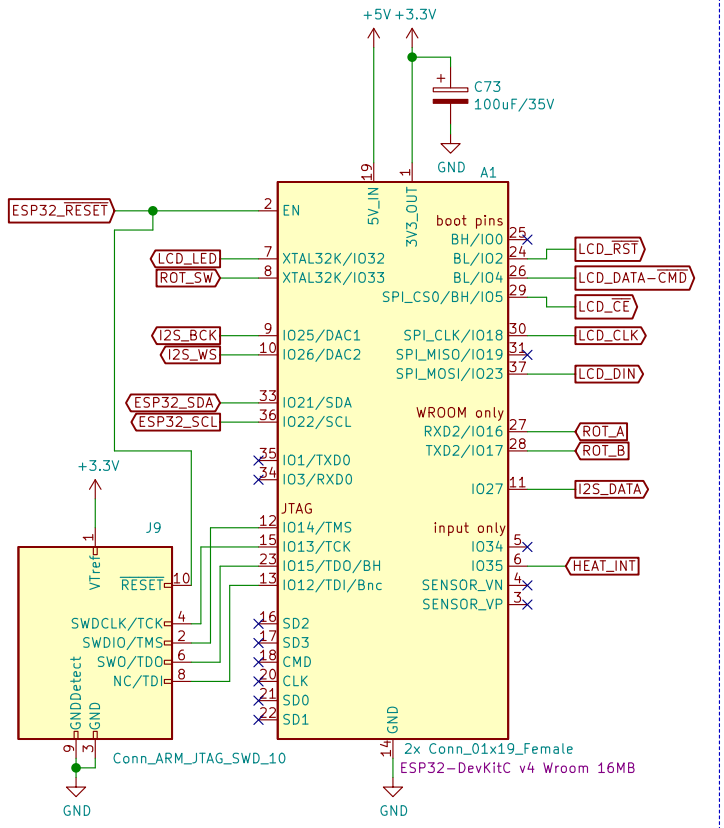


Sheet: /Power/
File: IoT12 Control Board Power.sch

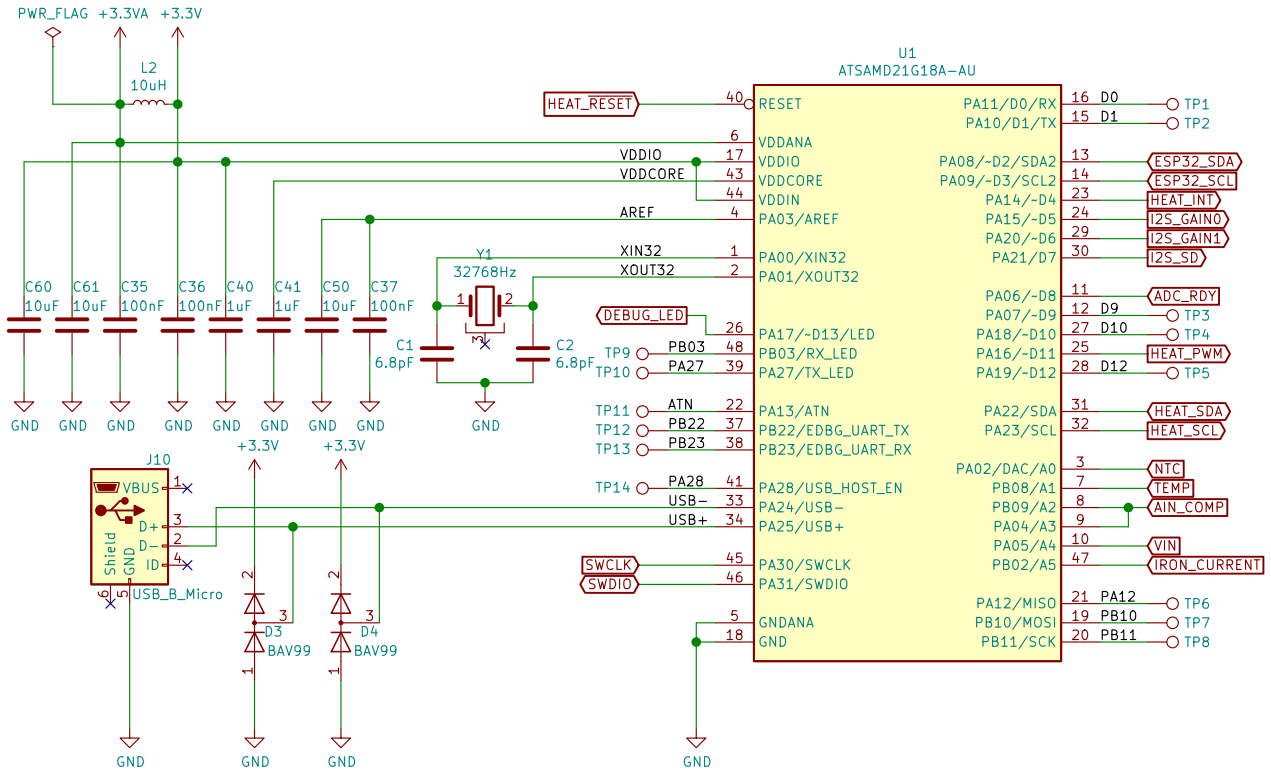
Title: IoT12-hardware power supply

Size: A4	Date: 2021-09-26	**Rev: V2.1**
KiCad E.D.A. kicad (5.1.10)-1		Id: 3/5

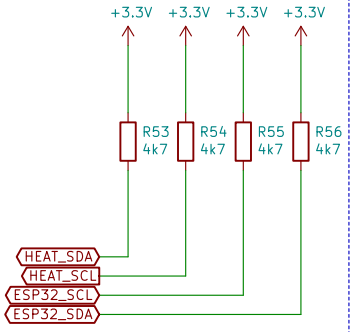
ESP32 wireless module



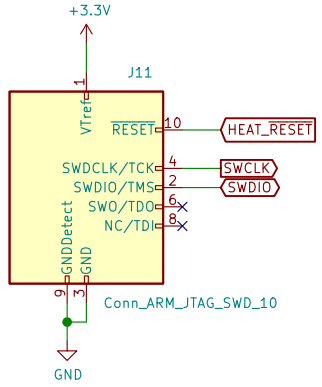
Heat controller



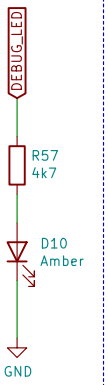
The pull is strong



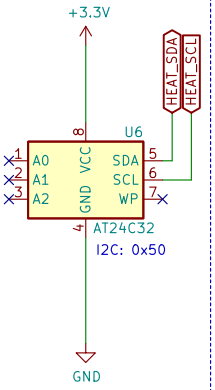
Heat controller SWD



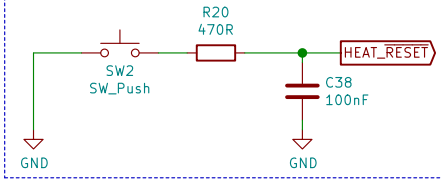
Debug LED



EEPROM



Heat controller reset

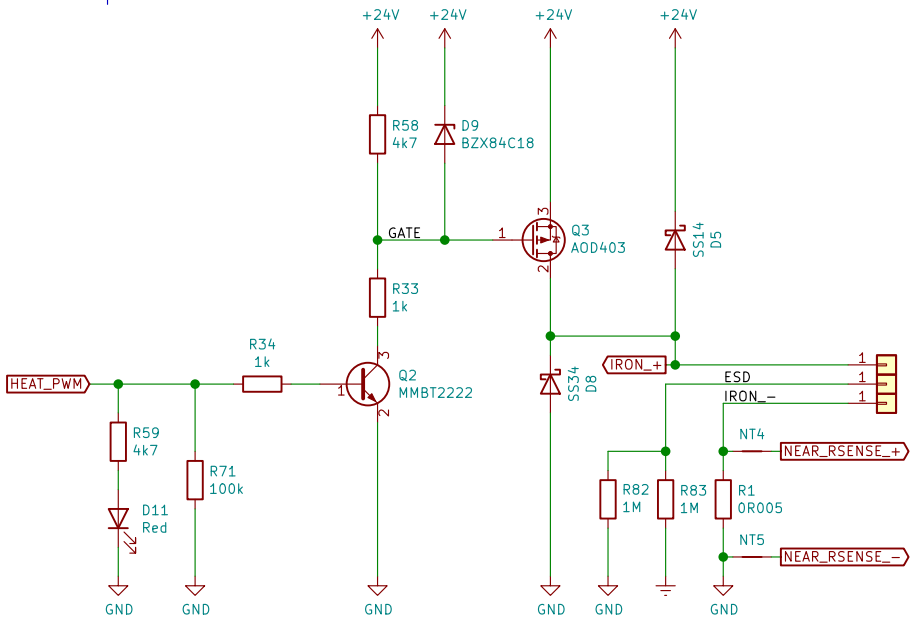


Sheet: /Brain/
File: IoT12 Control Board Brain.sch

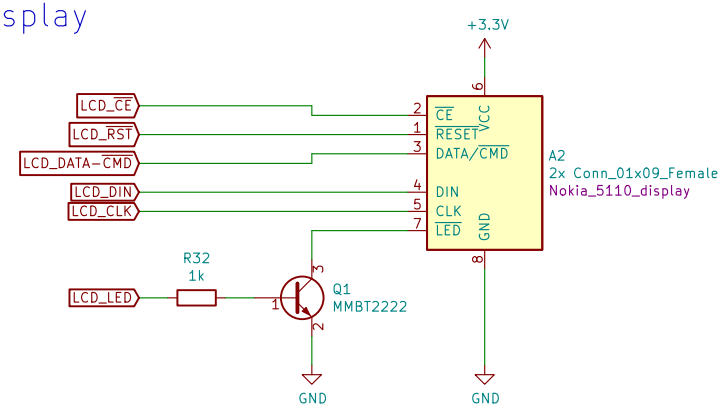
Title: IoT12-hardware brain

Size: A4	Date: 2021-09-26	**Rev: V2.1**
KiCad E.D.A. kicad (5.1.10)-1		Id: 4/5

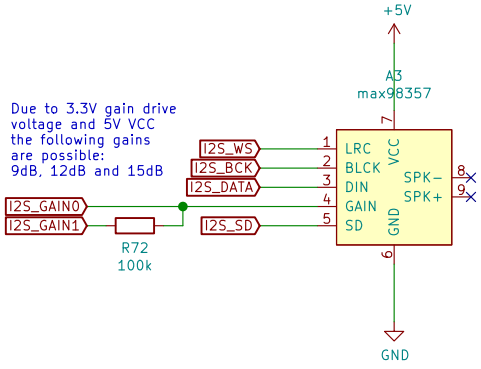
Heater power



Display



Bleep bloop module



Sheet: /Output/		
File: IoT12 Control Board Output.sch		
Title: IoT12-hardware output		
Size: A4	Date: 2021-09-26	**Rev: V2.1**
KiCad E.D.A. kicad (5.1.10)-1		Id: 5/5