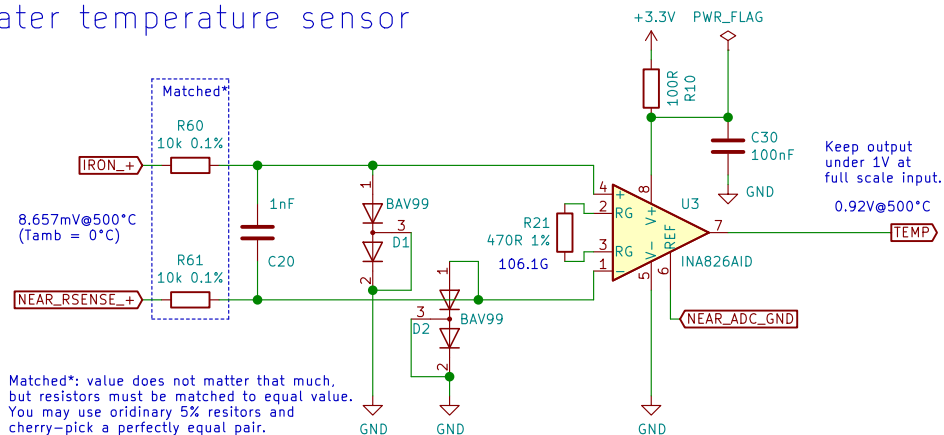
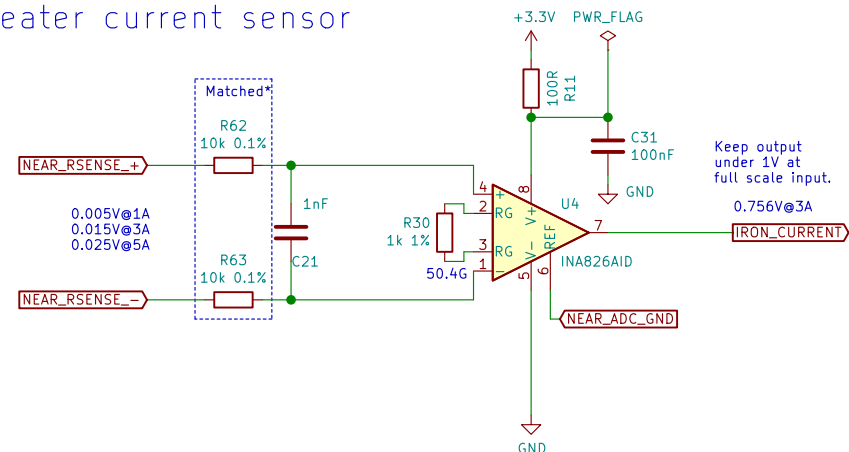


	1	2	3	4	5	6
A	<div>Sheet: Power</div> <div>File: IoT12 Control Board Power.sch</div>					
	<div>Sheet: Input</div> <div>File: IoT12 Control Board Input.sch</div>					
B	<div>Sheet: Brain</div> <div>File: IoT12 Control Board Brain.sch</div>					
	<div>Sheet: Output</div> <div>File: IoT12 Control Board Output.sch</div>					
C						
D	<div> <div>H1</div> <div>MountingHole</div> </div> <div> <div>H2</div> <div>MountingHole</div> </div> <div> <div>H3</div> <div>MountingHole</div> </div> <div> <div>H4</div> <div>MountingHole</div> </div>				<div>Sheet: /</div> <div>File: IoT12 Control Board.sch</div> <div>Title: IoT12—hardware</div> <div> <div>Size: A4</div> <div>Date: 2021-03-27</div> <div>Rev: V2.1</div> </div> <div> <div>KiCad E.D.A. kicad (5.1.9)–1</div> <div>Id: 1/5</div> </div>	
	1	2	3	4	5	6

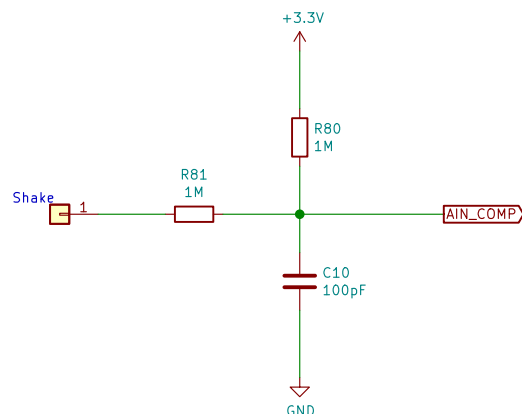
Heater temperature sensor



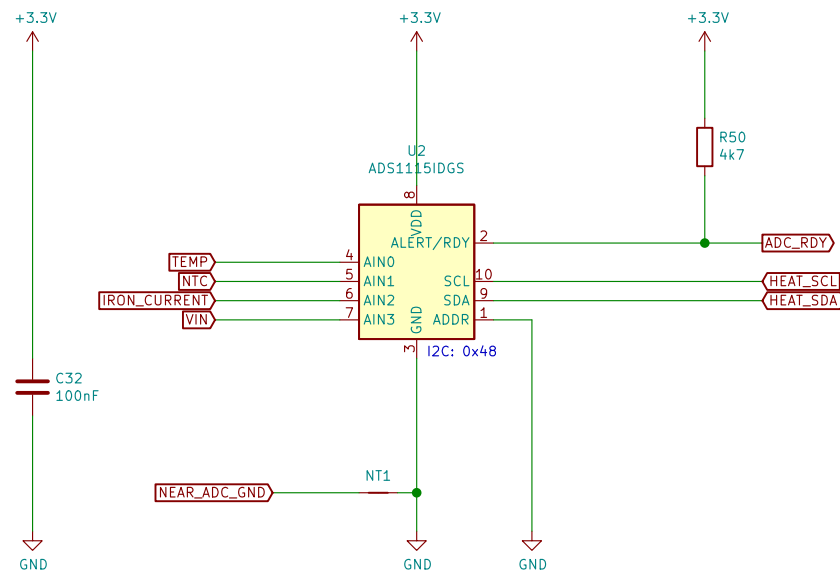
Heater current sensor



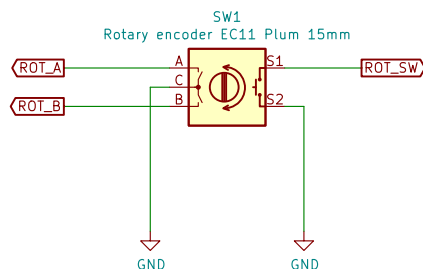
Tilt switch sensor as shake sensor



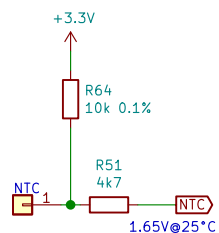
External 16b I2C ADC



User input



Handle NTC



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

Title: IoT12-hardware input and sensors

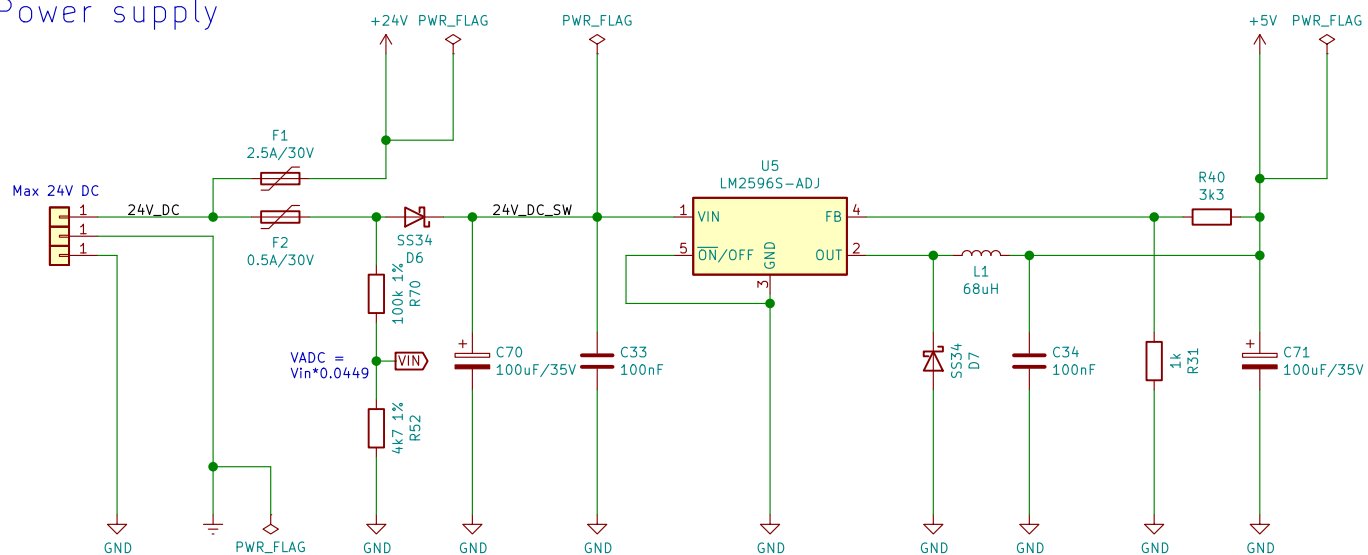
Size: A4 Date: 2021-03-27

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

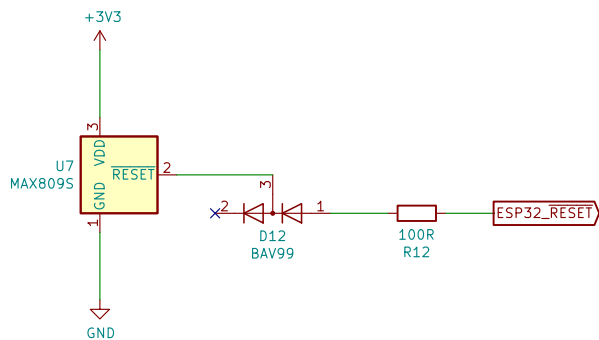
Rev: V2.1

Id: 2/5

Power supply



Voltage monitor



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

Title: IoT12-hardware power supply

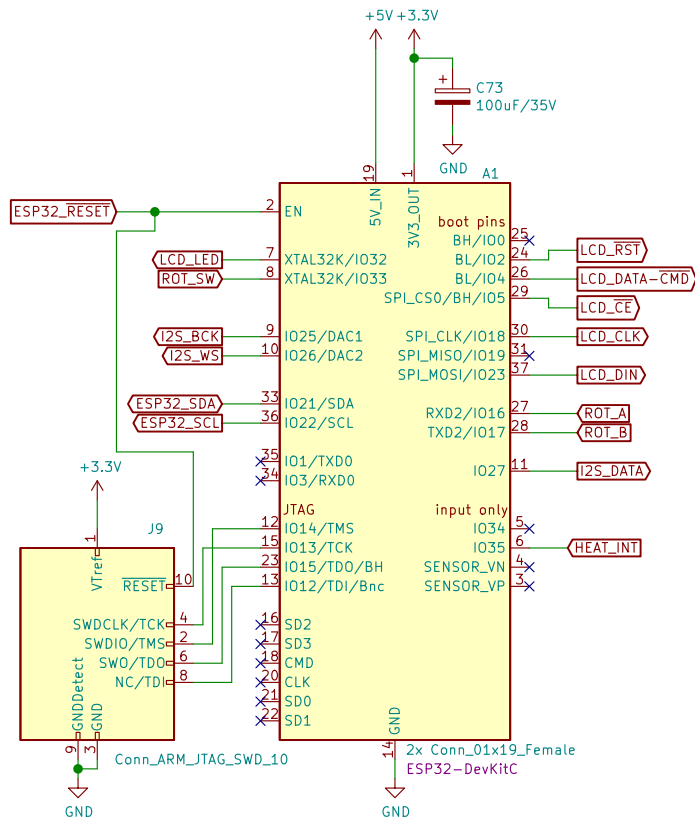
Size: A4 Date: 2021-03-27

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

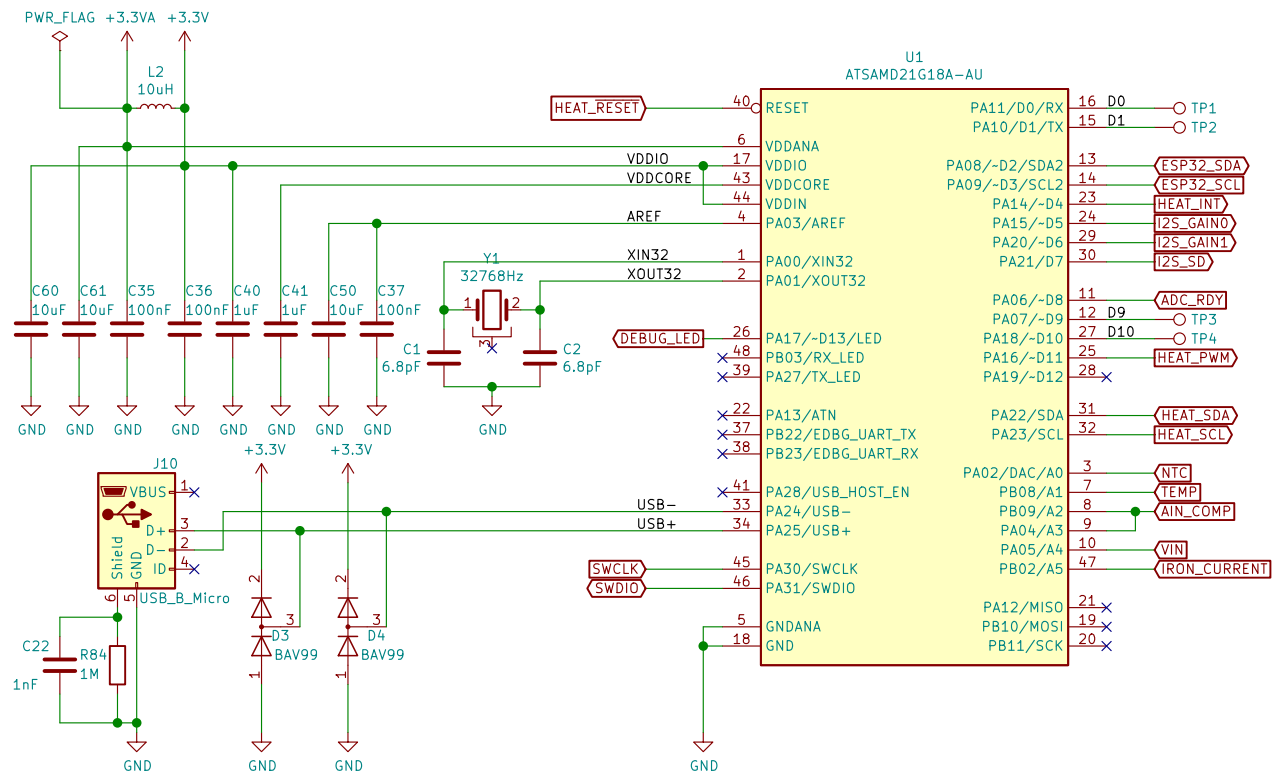
Rev: V2.1

Id: 3/5

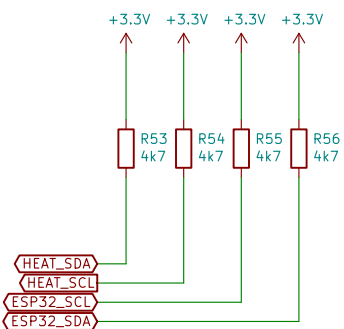
ESP32 wireless module



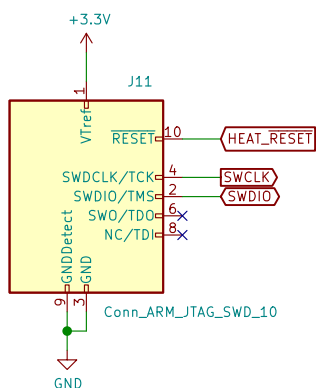
Heat controller



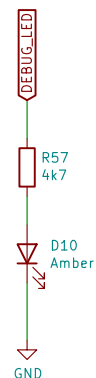
The pull is strong



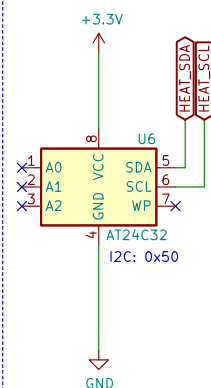
Heat controller SWD



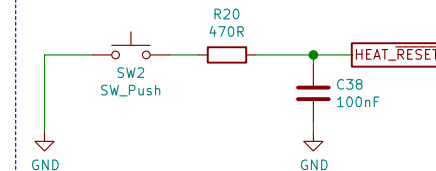
Debug LED



EEPROM



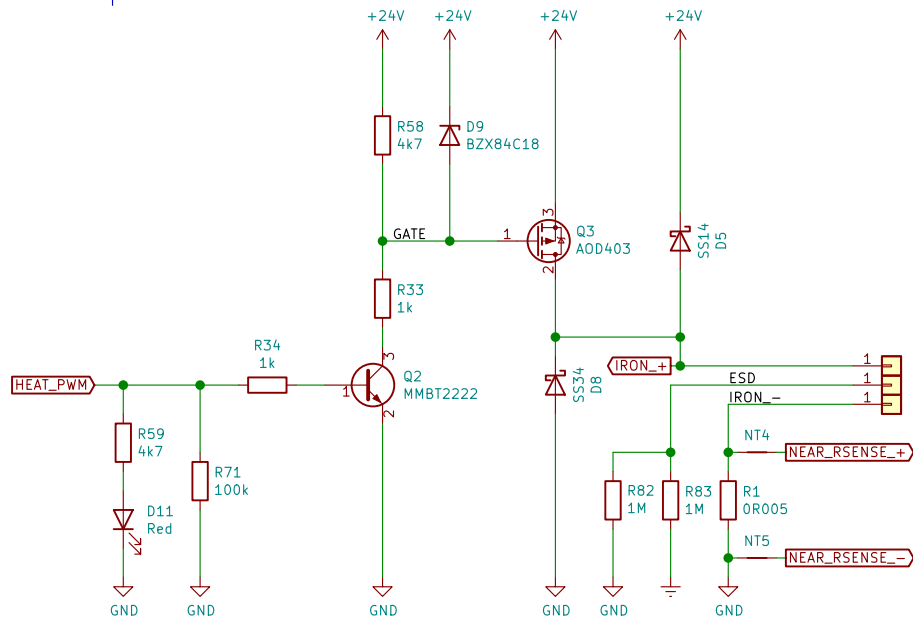
Heat controller reset



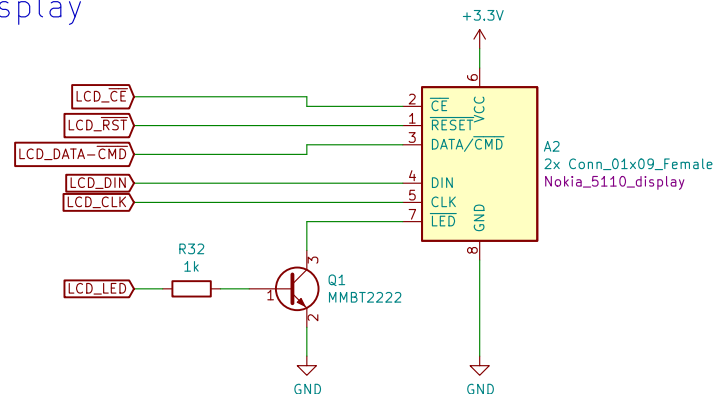
Sheet: /Brain/
File: IoT12 Control Board Brain.sch
Title: IoT12-hardware brain
Size: A4 Date: 2021-03-27
KiCad E.D.A. kicad (5.1.9)-1

Rev: V2.1
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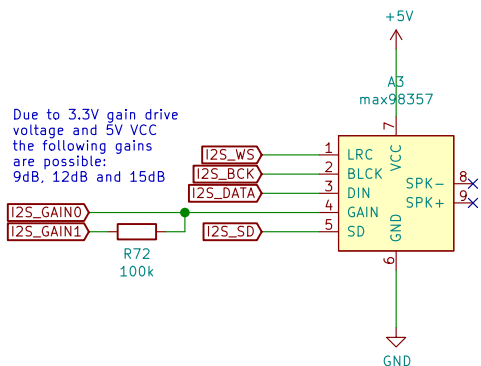
Heater power



Display



Bleep bloop module



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

Title: IoT12-hardware output

Size: A4 Date: 2021-03-27

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

Rev: V2.1

Id: 5/5