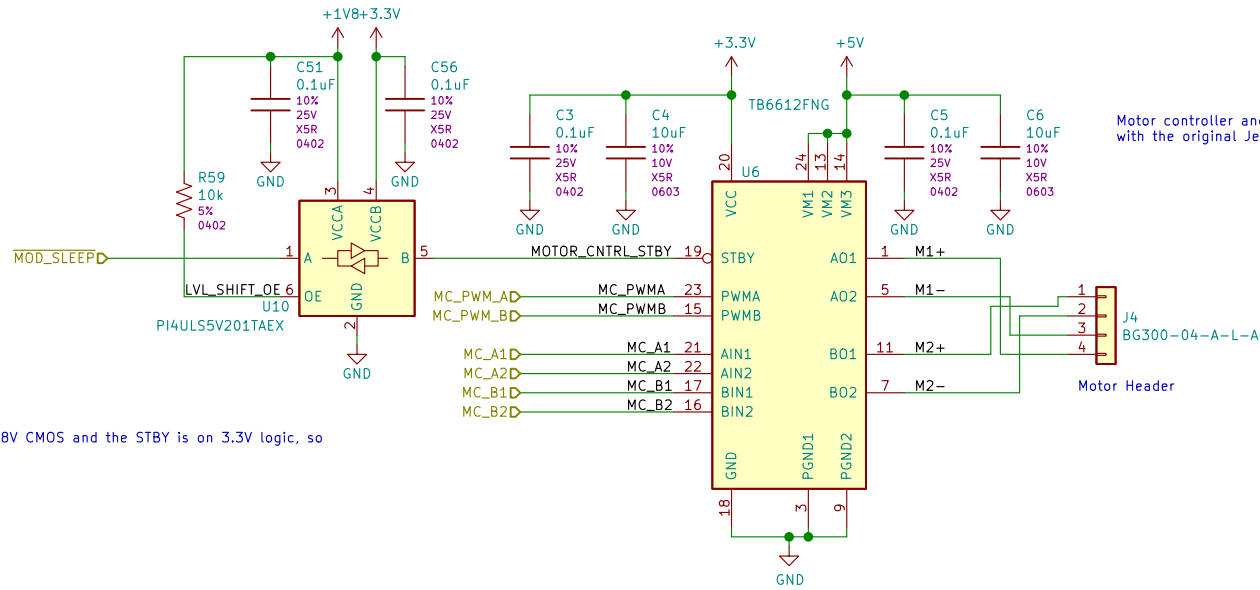


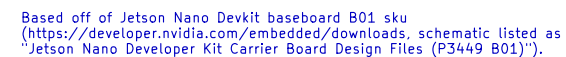
Based off of Jetson Nano Devkit baseboard B01 sku
<https://developer.nvidia.com/embedded/downloads>, schematic listed as
 "Jetson Nano Developer Kit Carrier Board Design Files (P3449 B01)".

ESD diodes chosen due to compatibility with USB 3.0,
 high speed lanes should also be compatibility with CSI

Sheet: /Camera/	
File: Camera.sch	
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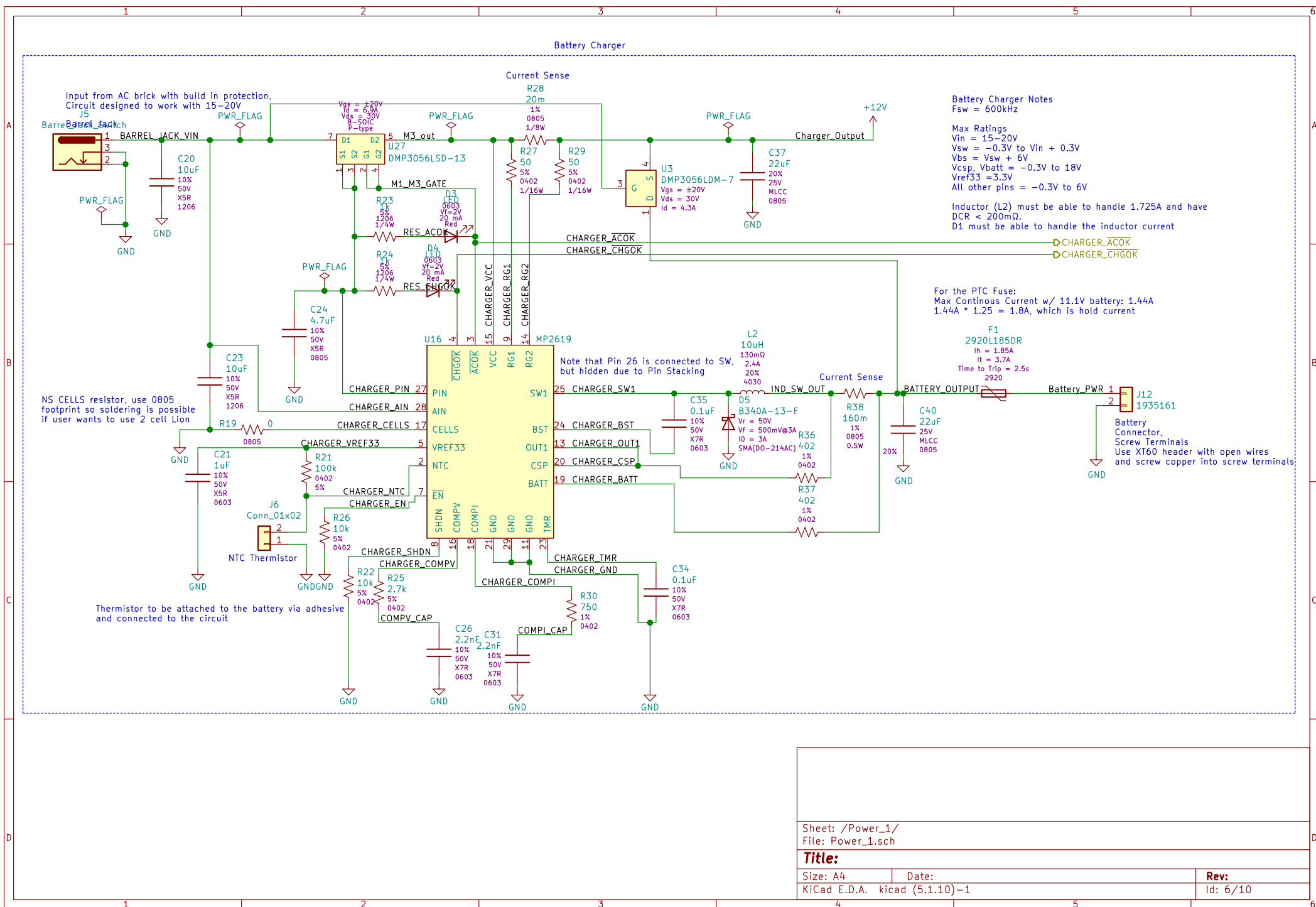


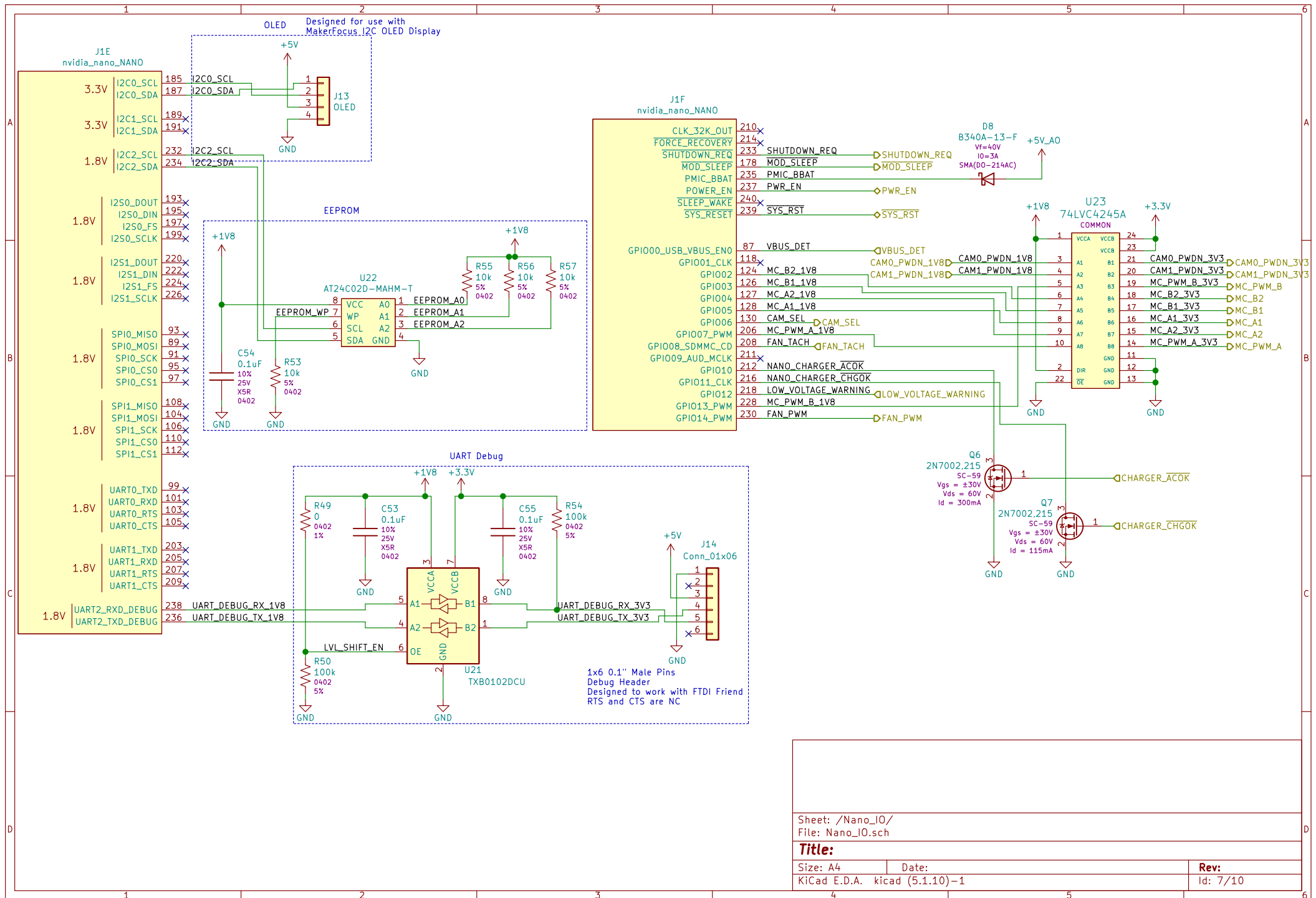
Sheet: /Motors/		
File: Motors.sch		
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Use regular male headers so that you can use either 3 or 4 pin connector, not molex or a similar pin set with a clasp

Sheet: /Fan/	
File: Fan.sch	
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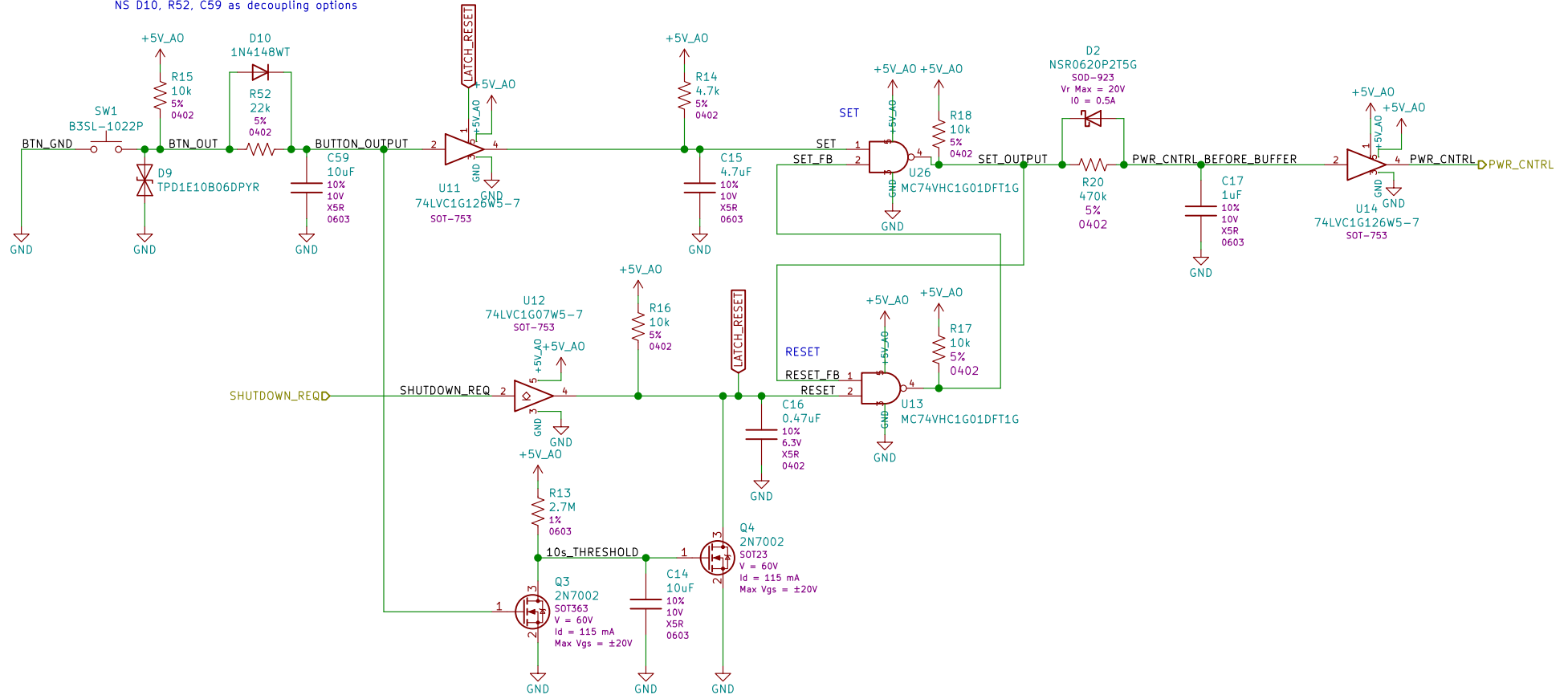
Based off of Jetson Nano Devkit baseboard B01 sku
(<https://developer.nvidia.com/embedded/downloads>, schematic listed as
"Jetson Nano Developer Kit Carrier Board Design Files (P3449 B01)").

Logic should proceed as follows:

There is an always on (5V_A0) 5V regulated supply that powers the control logic and button.

When the system is first connected to power, the SET and RESET will both be 1, which yields PWR_EN = 1. If the user presses and holds the button, the buttons connects the gate of Q3 to ground, which turns off Q3, which then allows C14 to charge for about 10s until it reaches the Vgs of Q4. This shorts RESET to ground, which will turn PWR_EN off. When the user lets go of the button, Q3 is turned on again, which turns RESET back to 1. If the user wants to turn the system back on, the user must press the button once, which will short SET to 0, which turns the system back on. When the Jetbot is turned on, the power logic enables the 5V buck, which in turns enables the rest of the circuit.

NS D10, R52, C59 as decoupling options



Sheet: /Power_Logic/
File: Power_Logic.sch

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