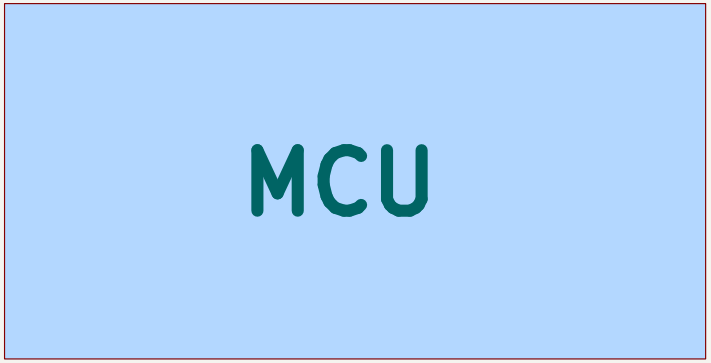
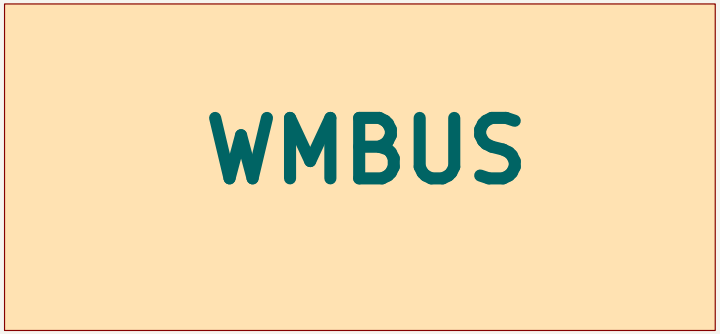
File: connector.kicad_sch

File: peripherals.kicad_sch



File: mcu.kicad_sch

File: lora.kicad_sch



File: wmbus.kicad_sch

Approved By: Jones Kisaka
Designed By: Rodney Osodo
Abstract Machines

Sheet: /
File: s0.kicad_sch

Title: IoT Gateway

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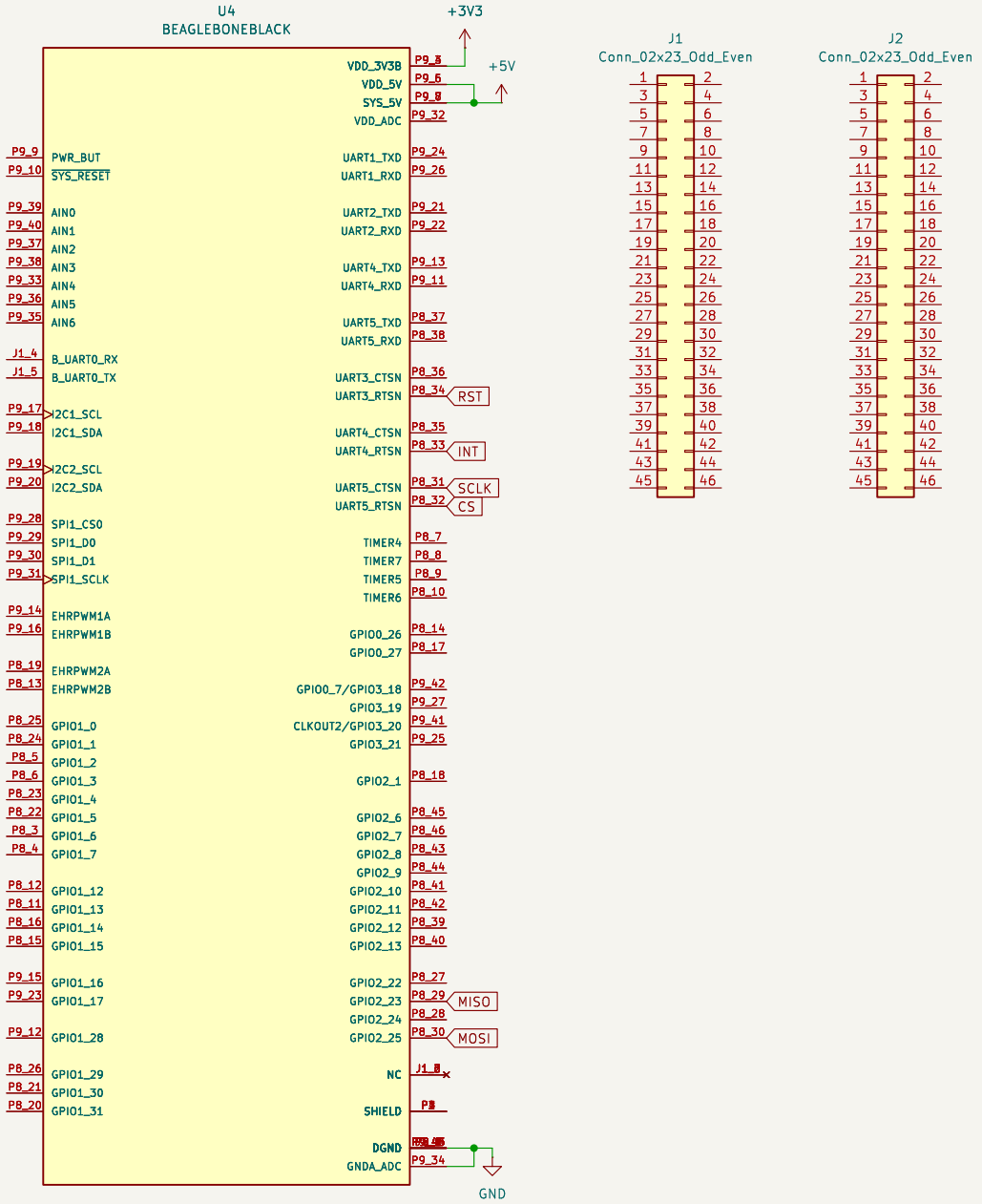
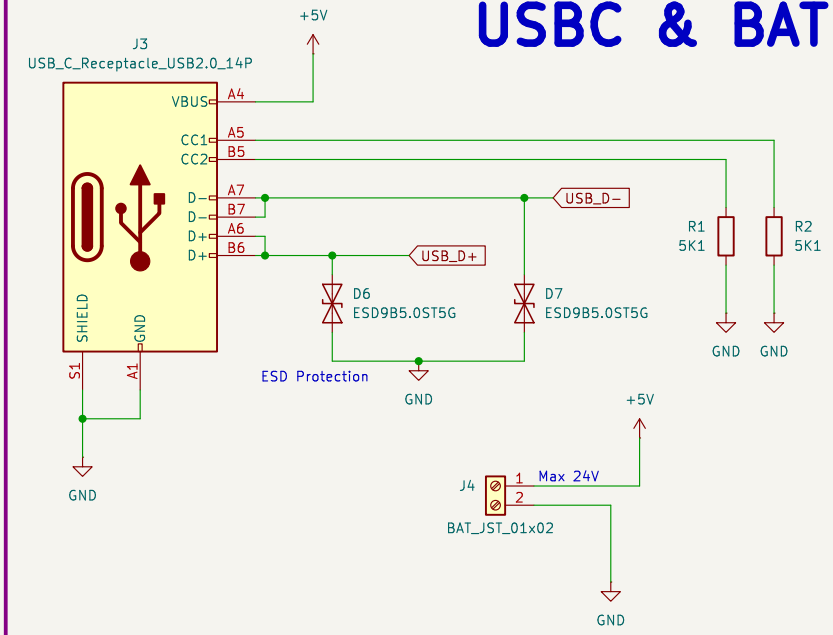
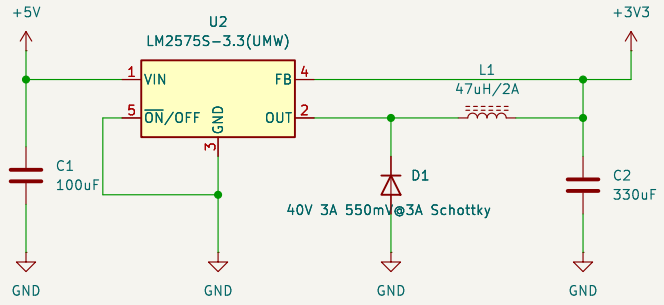
Beagle Board Connector



USBC & BAT



BUCK-CONVERTOR



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Designed By: Rodney Osodo
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Sheet: /Connector/
File: connector.kicad_sch

Title: IoT Gateway

Size: A4	Date: 2024-10-15	**Rev: v0.1.0**
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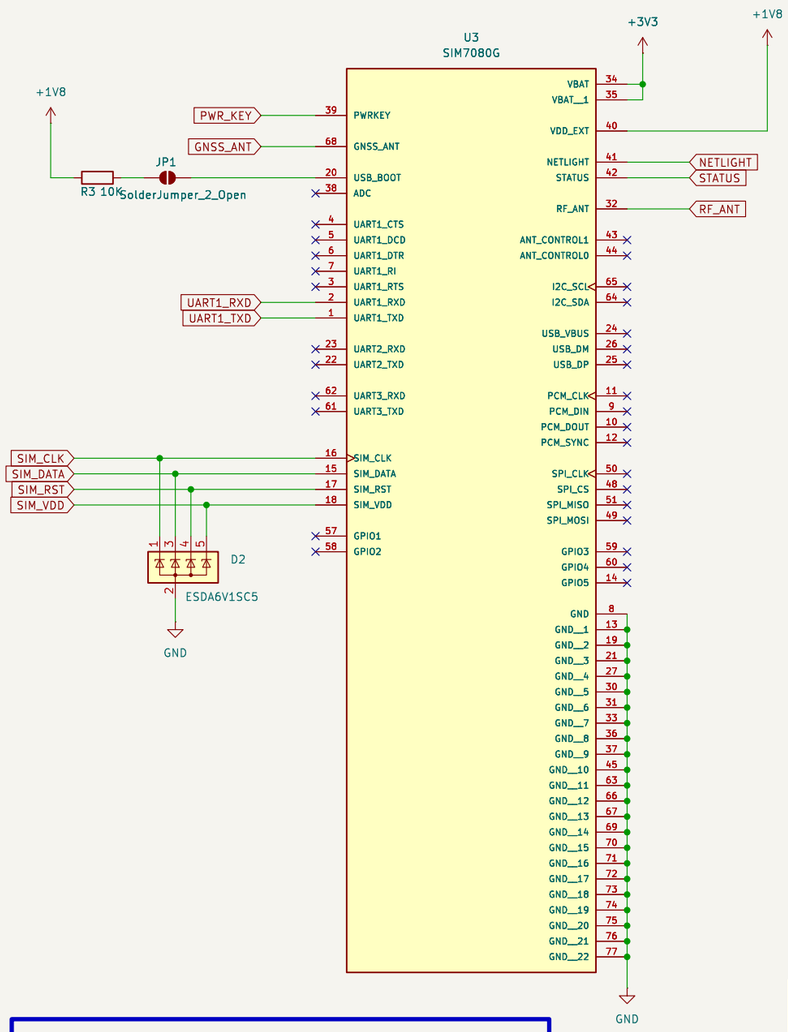
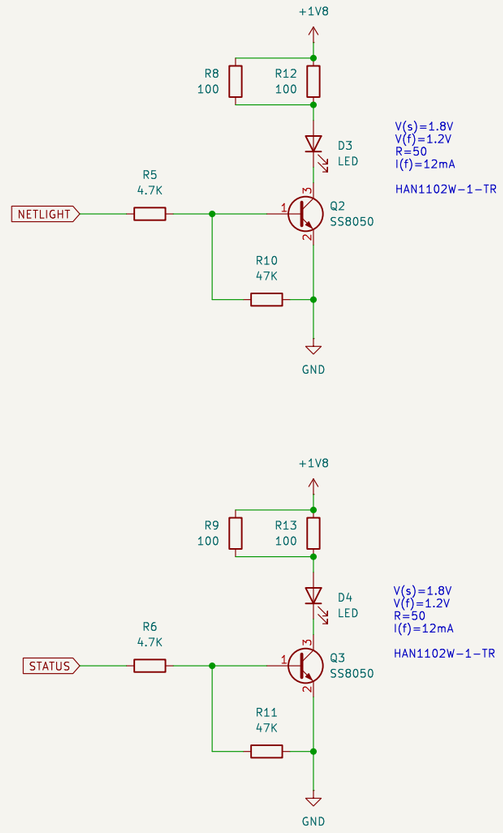
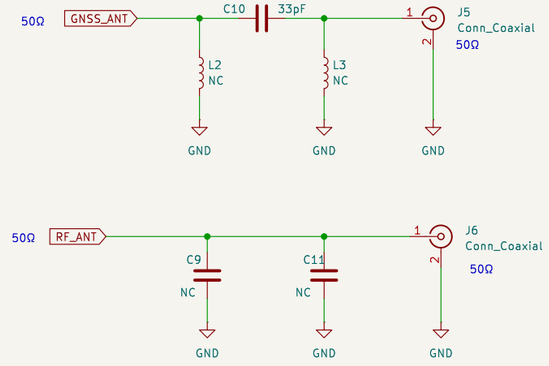
SIM7080G



STATUS LEDS

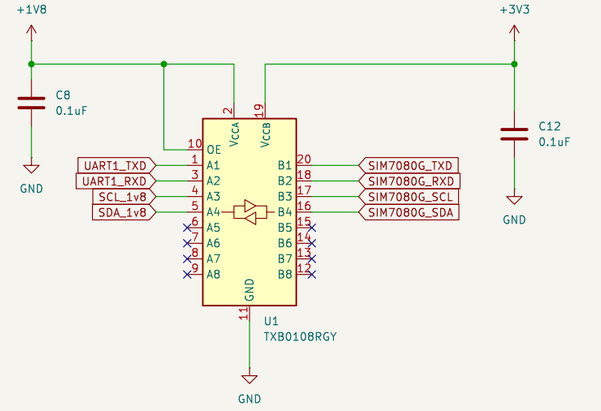


ANTENNAE

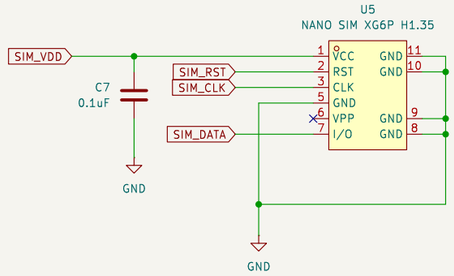


The input and output impedance are matched

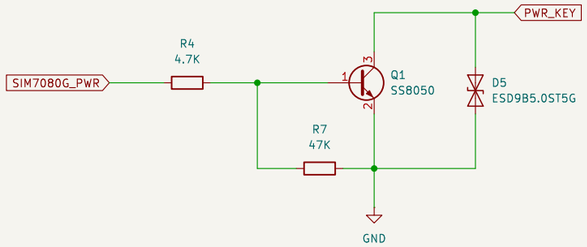
LEVEL SHIFTER



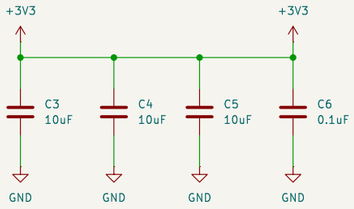
SIM CARD



SIM POWER CONTROL



DECOUPLING CAPS



Approved By: Jones Kisaka
Designed By: Rodney Osodo
Abstract Machines
Sheet: /SIM7080G/
File: peripherals.kicad_sch

Title: IoT Gateway

Size: A3	Date: 2024-10-15	**Rev: v0.1.0**
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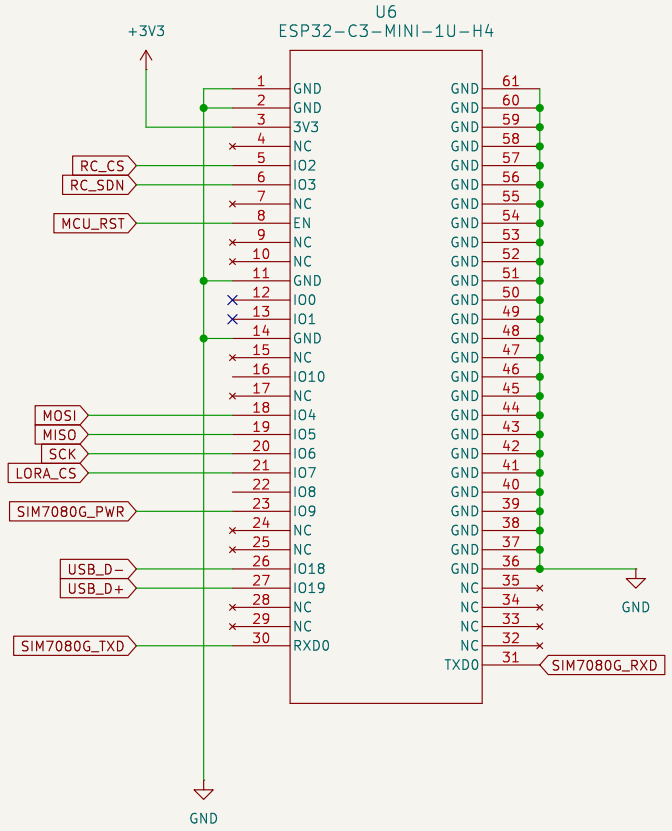
MCU-ESP32-C3-MINI



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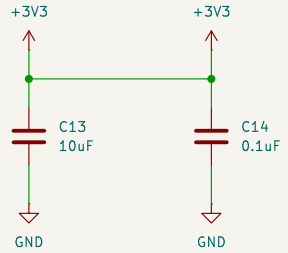
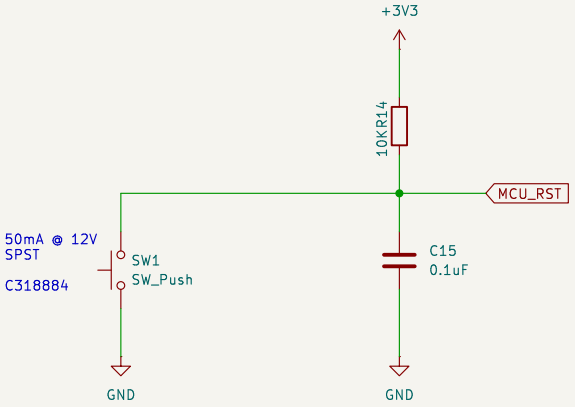


RESET



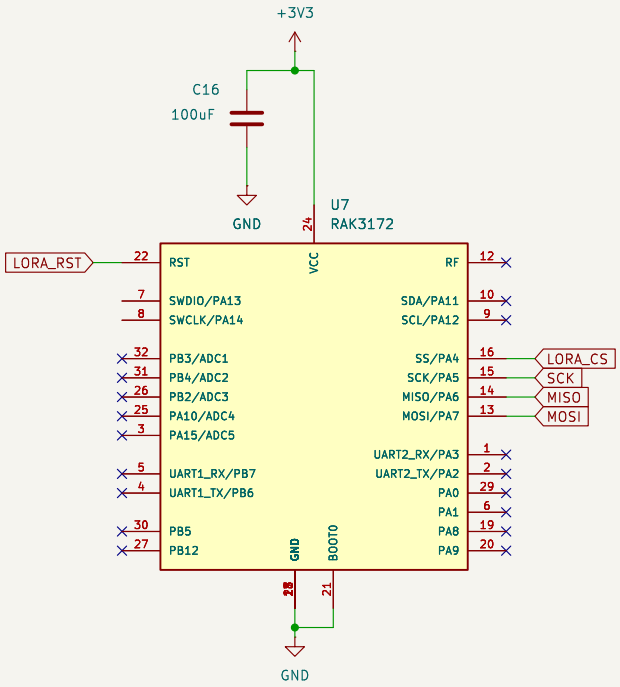
Approved By: Jones Kisaka
Designed By: Rodney Osodo
Abstract Machines

Sheet: /MCU/
File: mcu.kicad_sch

Title: IoT Gateway

Size: A4	Date: 2024-10-15	**Rev: v0.1.0**
KiCad E.D.A. 8.0.8		Id: 4/6

LORA MODULE



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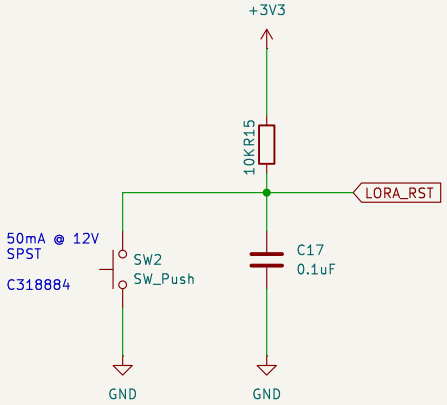

Approved By: Jones Kisaka
Designed By: Rodney Osodo
Abstract Machines

Sheet: /LoRa/
File: lora.kicad_sch

Title: IoT Gateway

Size: A4	Date: 2024-10-15	**Rev: v0.1.0**
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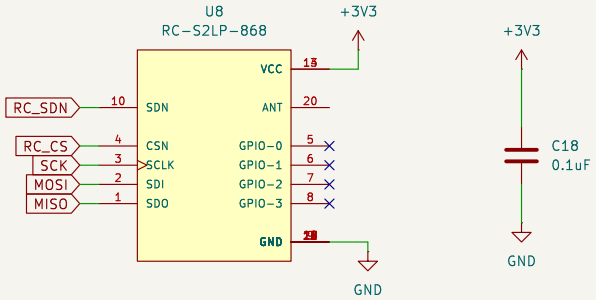
RC-S2LP-868 WMBUS



Approved By: Jones Kisaka
Designed By: Rodney Osodo
Abstract Machines

Sheet: /WMBUS/
File: wmbus.kicad_sch

Title: IoT Gateway

Size: A4	Date: 2024-10-15	**Rev: v0.1.0**
KiCad E.D.A. 8.0.8		Id: 6/6