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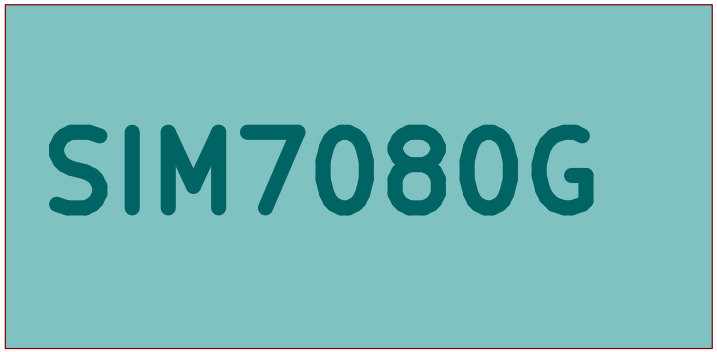


File: peripherals.kicad_sch

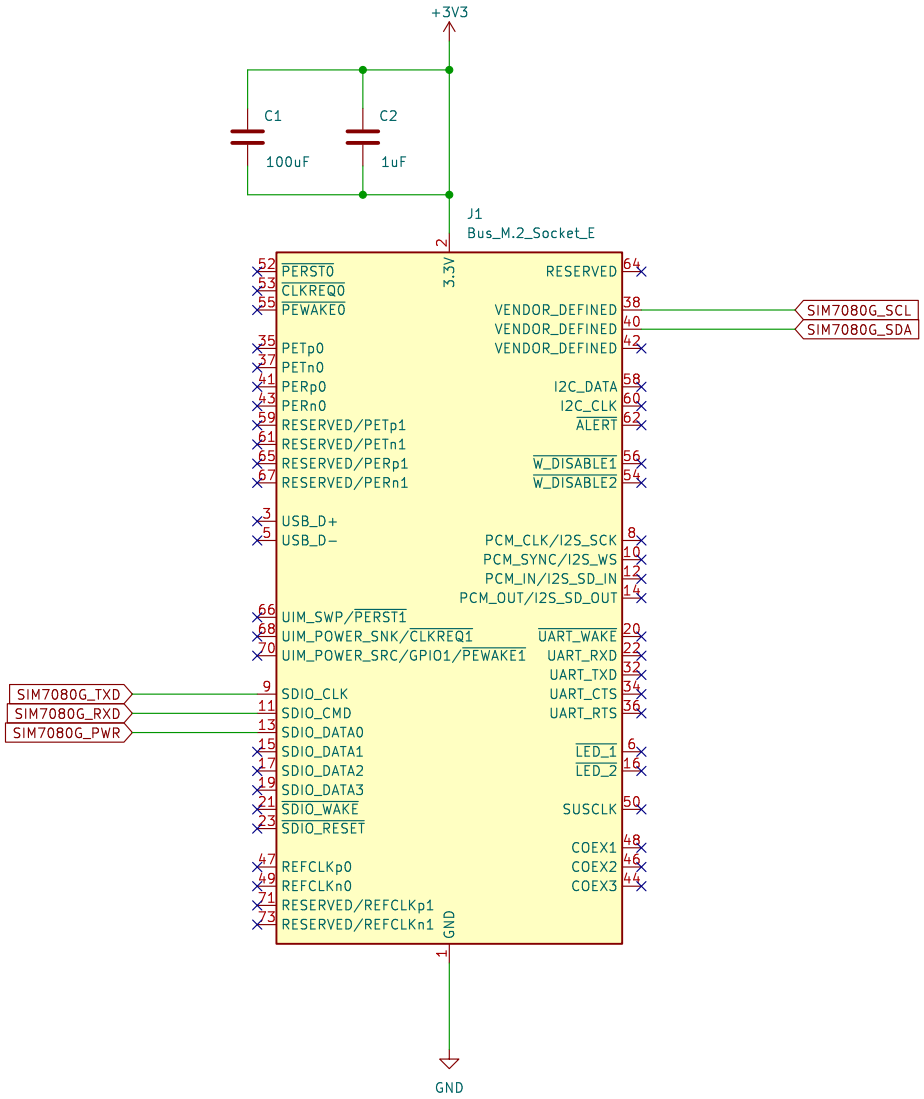
Approved By:
Designed By: Rodney Osodo
Abstract Machines

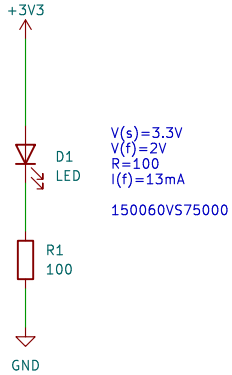
Sheet: /
File: am-iot-gateway.kicad_sch

Title: IoT Gateway

Size: A4	Date: 2024-10-15	**Rev: v0.1.0**
KiCad E.D.A. 8.0.6		Id: 1/3

M2 E-Key





Resistors

0
- RC0603JR-070RL

100
- +/- 1%
- 0.1W
- ERJ-3EKF1000V

1k
- +/- 1%
- 0.1W
- RC0603FR-071KL

4.7k
- +/- 0.1%
- 0.1W
- RC0603FR-074K7L

10k
- +/- 1%
- 0.1W
- RC0603FR-0710KL

47k
- +/- 0.1%
- 0.1W
- ERA-3AEB473V

Capacitors

33pF
- +/- 10%
- 50V
- GMC10CG330K50NT

0.1uF
- +/- 5%
- 50V
- 0603B104J500XD

1uF
- +/- 10%
- 10V
- 0603B105K100XD

100uF
- +/- 10%
- 6.3V
- GMC31X5R107K6R3NT

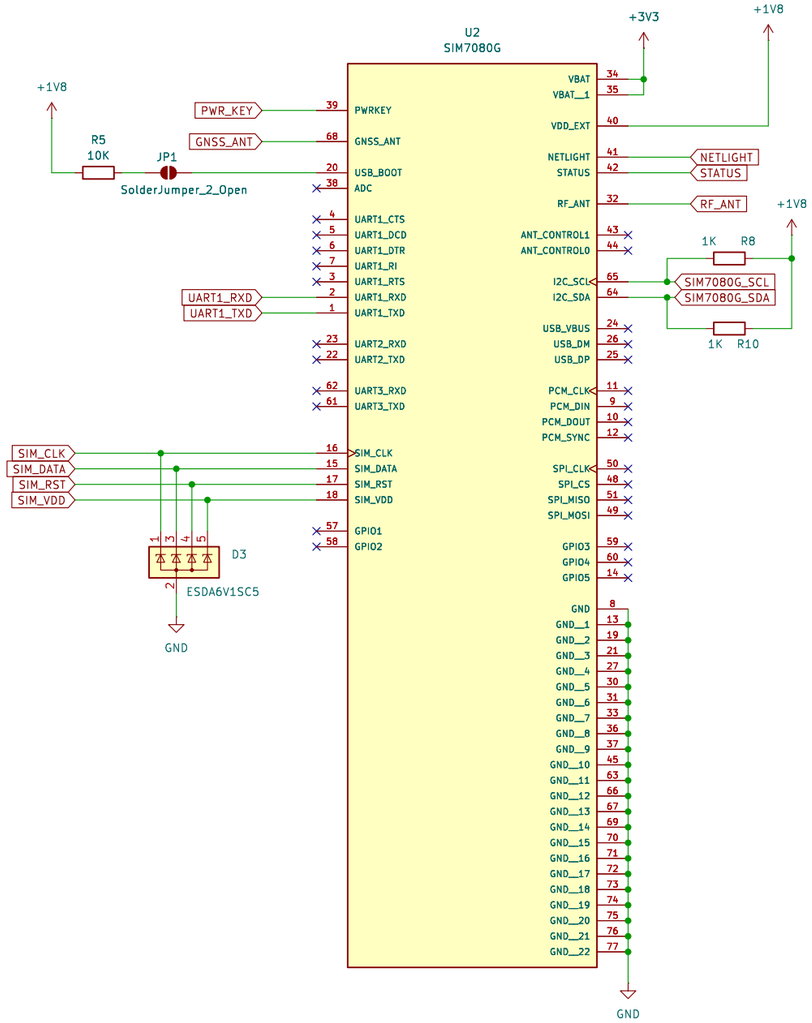
Approved By:
Designed By: Jeff Mboya
Abstract Machines

Sheet: /M2 Connector/
File: connector.kicad_sch

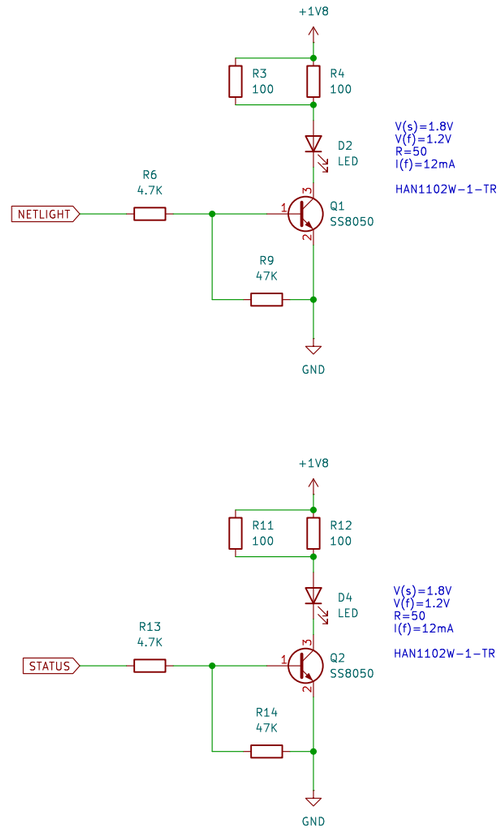
Title: IoT Gateway

Size: A4	Date: 2024-10-15	**Rev: v0.1.0**
KiCad E.D.A. 8.0.6		Id: 2/3

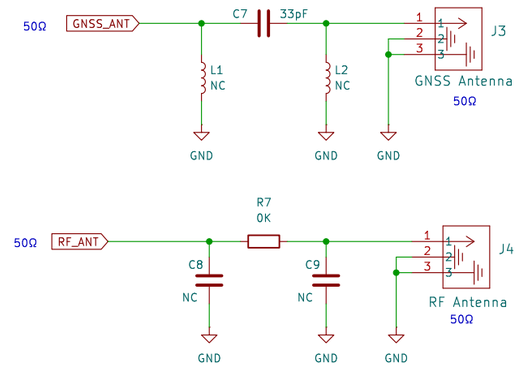
SIM7080G



STATUS LEDS

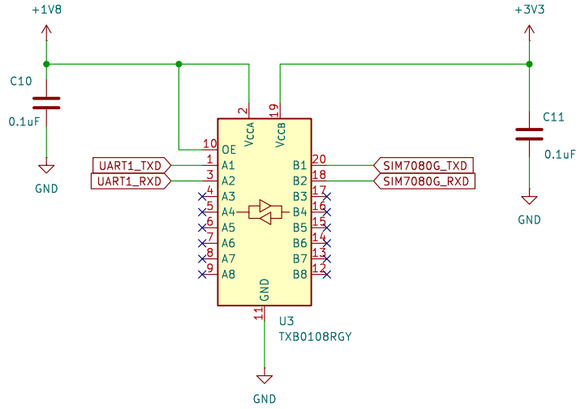


ANTENNAE

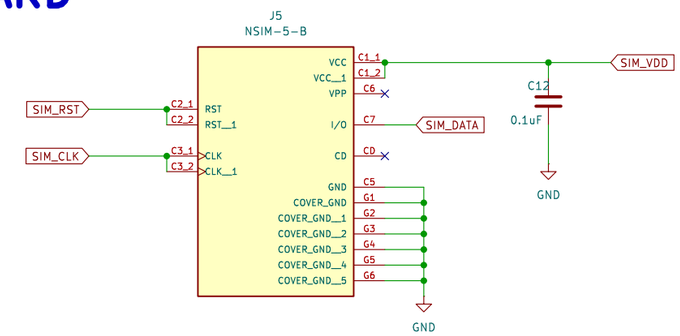


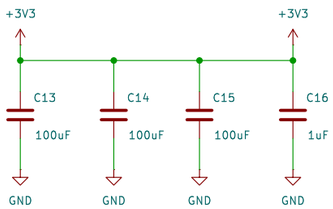
The input and output impedance are matched

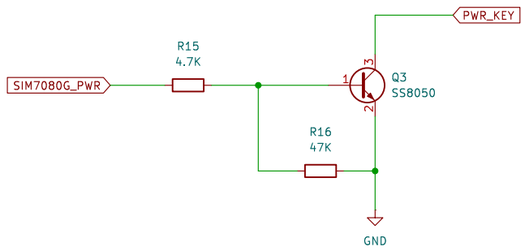
LEVEL SHIFTER



SIM CARD







Approved By:
Designed By: Jeff Mboya
Abstract Machines

Sheet: /SIM7080G/
File: peripherals.kicad_sch

Title: IoT Gateway

Size: A3	Date: 2024-10-15	**Rev: v0.1.0**
KiCad E.D.A. 8.0.6		Id: 3/3