

M2 Connector

File: connector.kicad\_sch

SIM7080G

File: peripherals.kicad\_sch

Approved By:  
Designed By: Rodney Osodo  
**Abstract Machines**

Sheet: /  
File: am-iot-gateway.kicad\_sch

**Title: IoT Gateway**

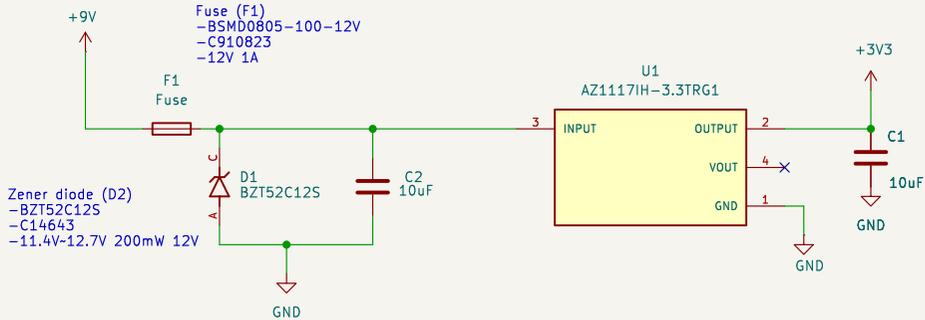
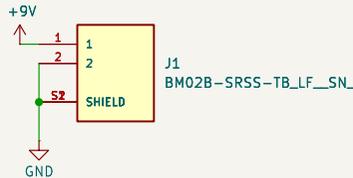
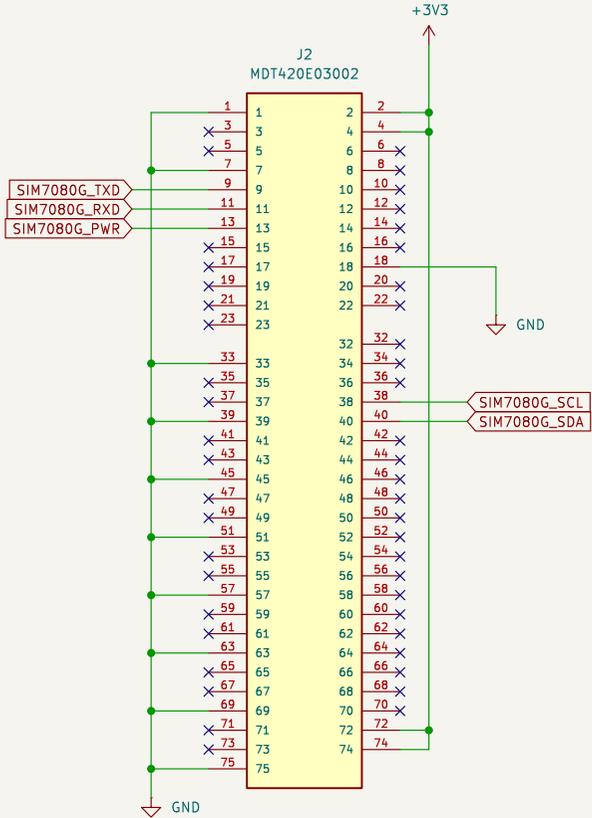
Size: A4 Date: 2024-10-15

**Rev: v0.1.0**

KiCad E.D.A. 9.0.0

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# M2 E-Key



Resistors		Capacitors	
0	- RC0603JR-070RL	33pF	- +/- 10%
100	- +/- 1%	50V	- GMC10CG330K50NT
	- 0.1W		
	- ERJ-3EKF1000V	0.1uF	- +/- 5%
1k	- +/- 1%	50V	- 0603B104J500XD
	- 0.1W		
	- RC0603FR-071KL	10uF	- CL21A106K0QNNNE
4.7k	- +/- 0.1%	- C1713	- X5R +/-10%
	- 0.1W		
	- RC0603FR-074K7L	1uF	- +/- 10%
10k	- +/- 1%	10V	- 0603B105K100XD
	- 0.1W		
	- RC0603FR-0710KL	100uF	- +/- 10%
47k	- +/- 0.1%	- 6.3V	- GMC31X5R107K6R3NT
	- 0.1W		
	- ERA-3AEB473V		

Approved By:  
Designed By: Jeff Mboya

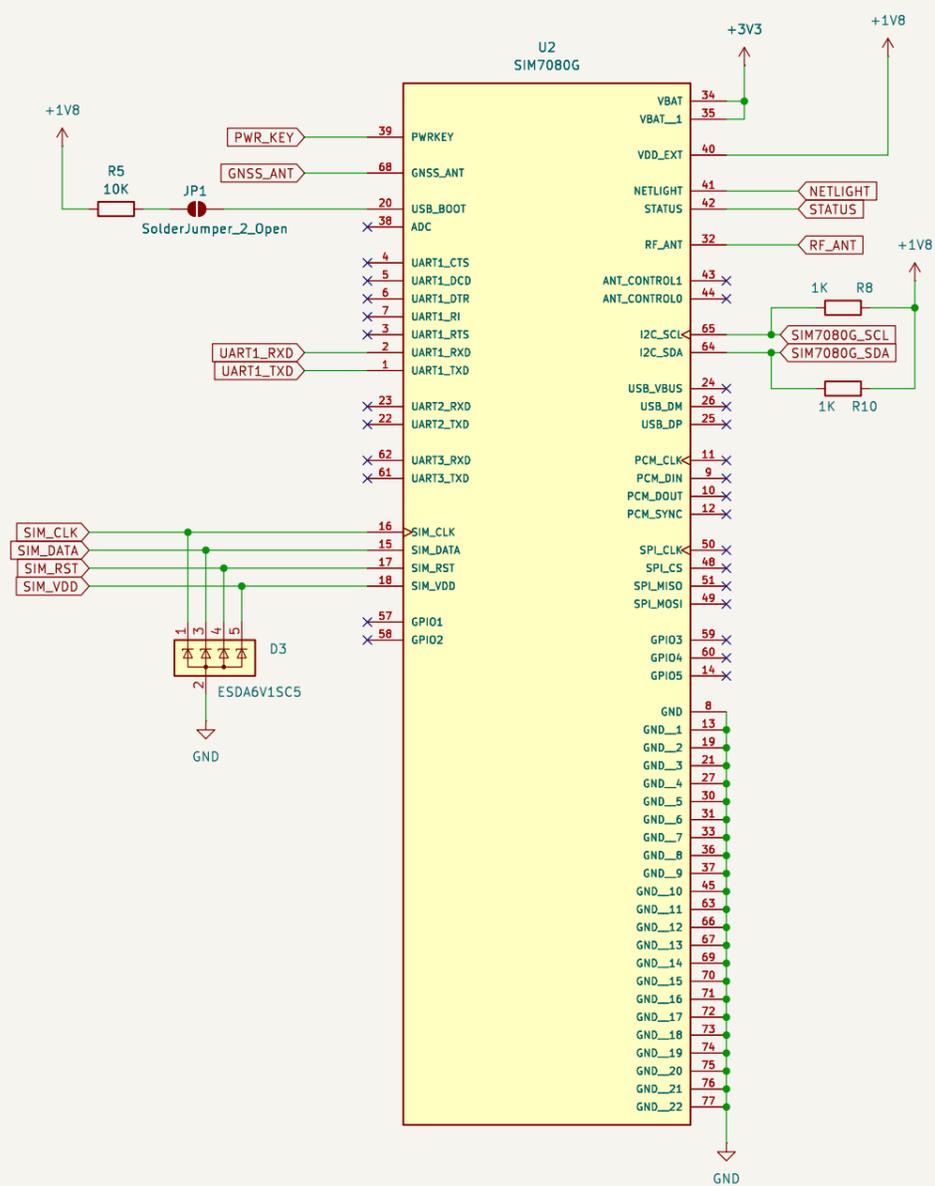
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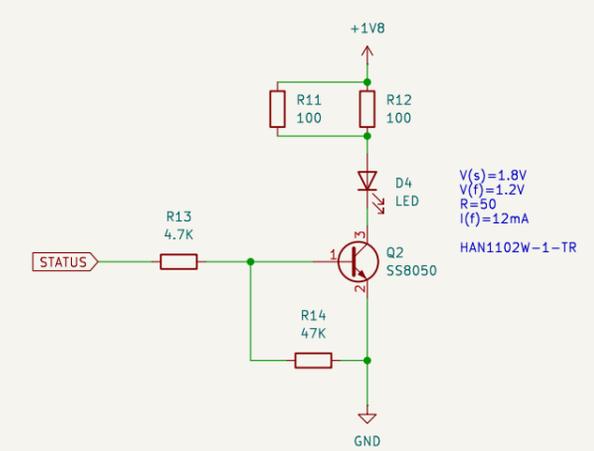
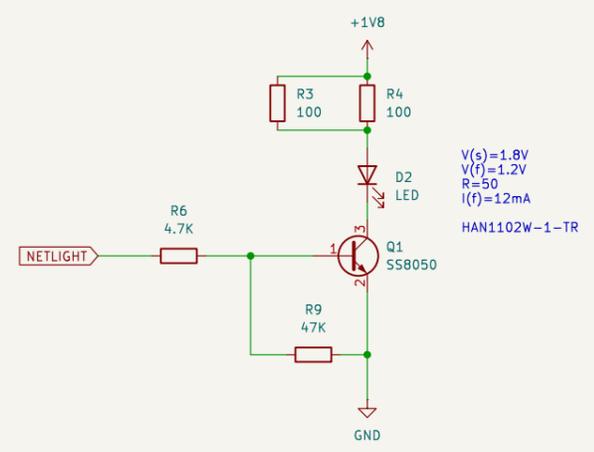
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**Rev: v0.1.0**  
Id: 2/3

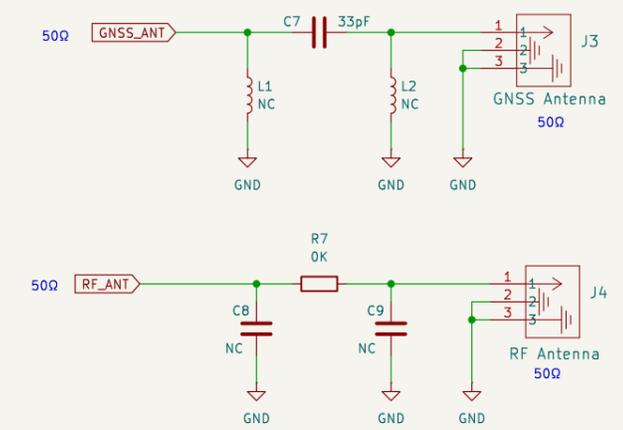
# SIM7080G



# STATUS LEDS

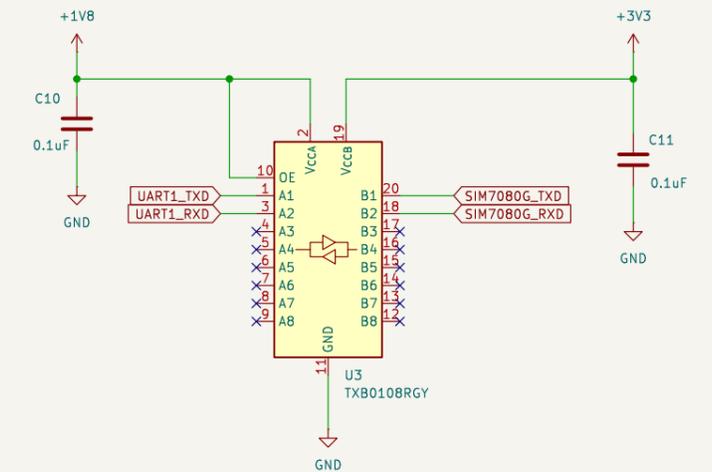


# ANTENNAE

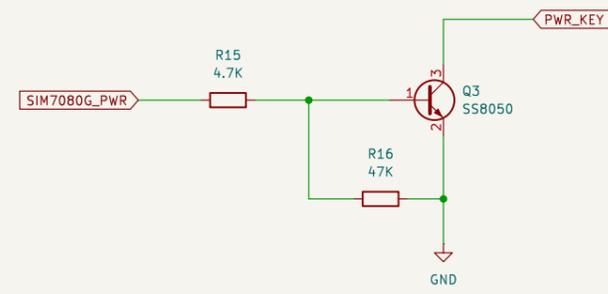
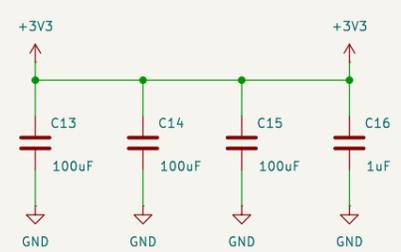
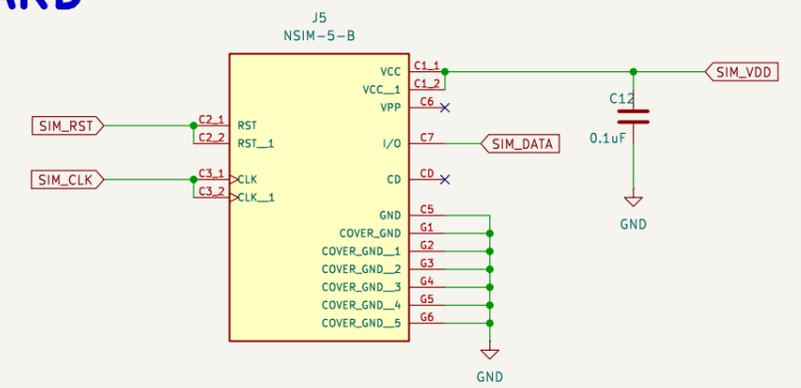


The input and output impedance are matched

# LEVEL SHIFTER



# SIM CARD



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