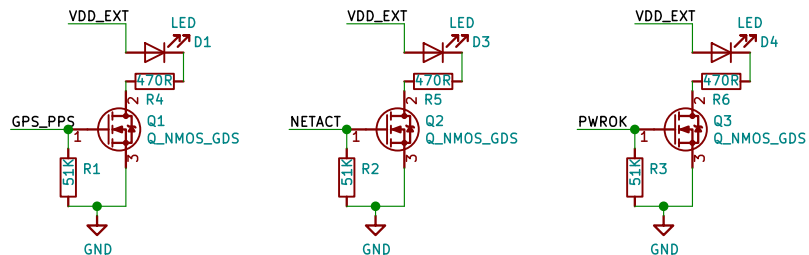
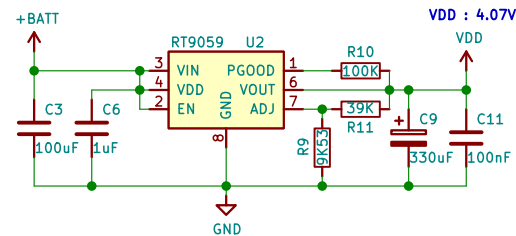


NOTE: UART1 pin connections appear to be nonstandard. May require rework.

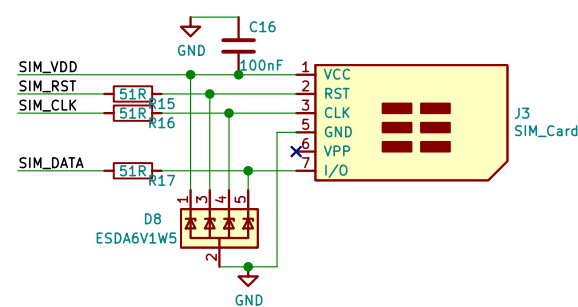
LEDs



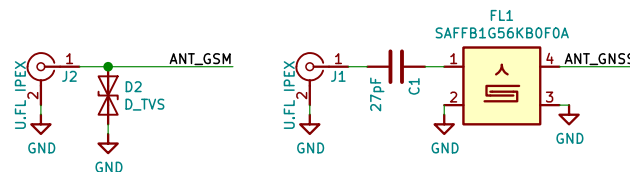
Power Supply



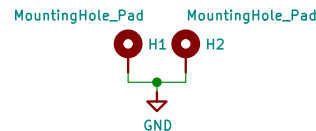
SIM Card



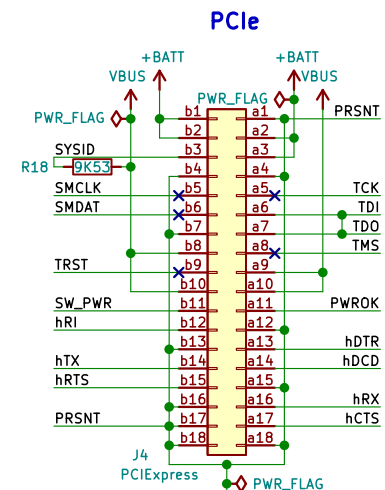
Antennas



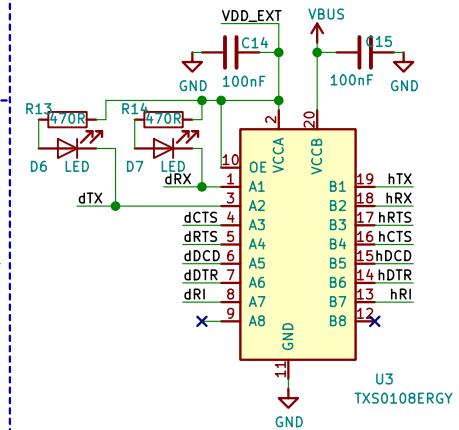
Misc.



Interfaces



UART



1. DTR HIGH to sleep, LOW to wake
2. Pull PWRKEY LOW for 1.5s to toggle state
3. UART1 is 7 wire, use Rs to minimize damage
4. UART output is 1V8
5. GPIO output driver sources 2mA @ 1V8

6. VBAT requires more than 2A output
7. VBAT traces should be 80mil or more
8. Default baud is 115k
9. Place power as close to IC as possible
10. Keep SIM as far away from gps ant as possible
11. SIM traces should be far from VBAT

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File: R1_SIM868.sch

Title: R1 - Radio Module

Size: A4 Date: 2020-03-08

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Rev: A

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