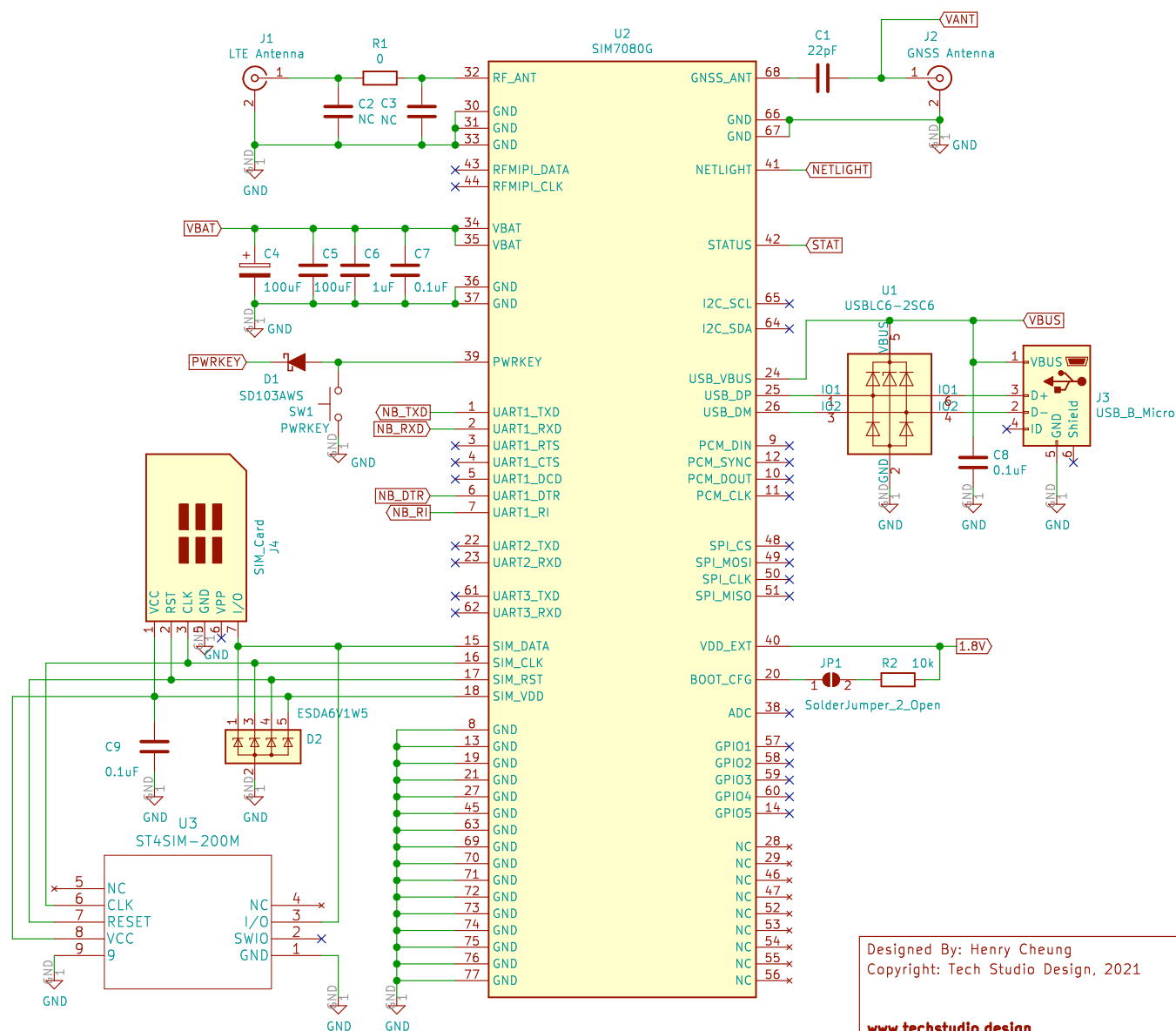


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B						B						
C	<div>Sheet: SIM7080_peripherals</div> <div>File: SIM7080_peripherals.sch</div>					C						
D	<div>Designed By: Henry Cheung Copyright: Tech Studio Design, 2021</div> <div>www.techstudio.design</div> <div>Sheet: / File: SIM7080.sch</div> <div>Title: TechStudio.Design SIM7080G NB-IoT Shield</div> <table><tr><td>Size: A4</td><td>Date: 2021-08-25</td><td>Rev: V1.2</td></tr><tr><td colspan="2">KiCad E.D.A. kicad (5.1.4-0)</td><td>Id: 1/3</td></tr></table>					Size: A4	Date: 2021-08-25	Rev: V1.2	KiCad E.D.A. kicad (5.1.4-0)		Id: 1/3	D
Size: A4	Date: 2021-08-25	Rev: V1.2										
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Sheet: /SIM7080_module/
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Title: TechStudio.Design SIM7080G NB-IoT Shield

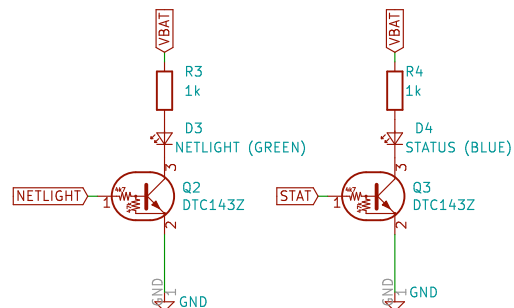
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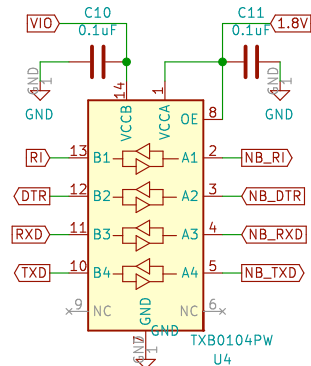
Rev: V1.2

Id: 2/3

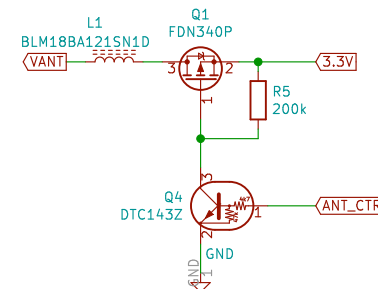
LED Indicators



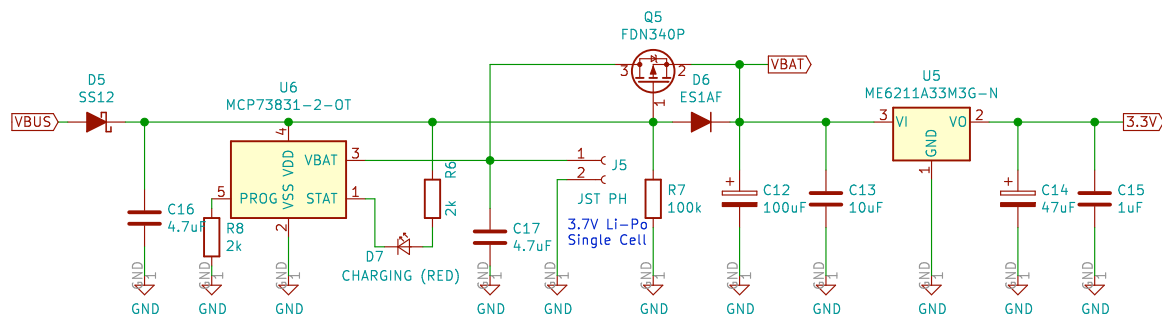
Level Shifter



GNSS Antenna Control

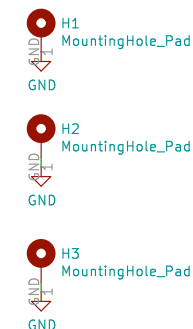
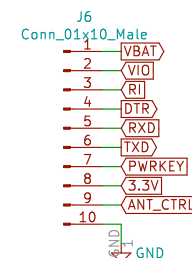


Battery Charger



3.3V LDO

Interface Connector



CHARGING LED:
ON while charging
OFF when fully charged
Charging Current 500mA

VBAT = 4.3V (Powered via USB)
VBAT = 3.3 - 4.2V (Powered via Li-Po)

3.3V Maximum Output 600mA

Host MCU must supply either a 5V or 3.3V to VIO to activate the Level Shifter.
GNSS Active Antenna can be turn on by applying a logic HIGH to ANT Pin.

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Sheet: /SIM7080_peripherals/
File: SIM7080_peripherals.sch

Title: TechStudio.Design SIM7080G NB-IoT Shield

Size: A4 Date: 2021-08-25
KiCad E.D.A. kicad (5.1.4-0)

Rev: V1.2
Id: 3/3