

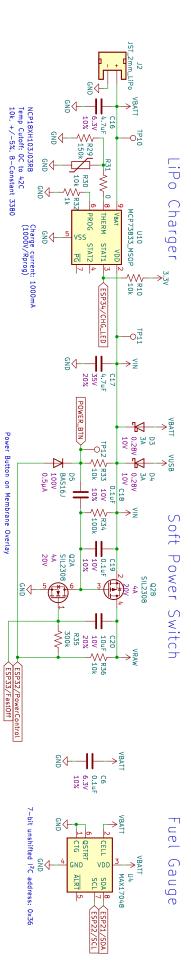




Power

GNSS

ile: GNSS.kicad_sch



Main 3.3V Peripheral 3.3V $\begin{array}{c} \text{AP2112K} - 3.3\text{X-P} \\ \text{AP2112K} - 3.33\text{X-P} \\ \text{EN} \\ \text{EN} \\ \text{C21} \\ \text{C1} \\ \text{Out} \end{array}$ STLQ015-3.3

C24 3 FN

1100 F

1100 F

GND

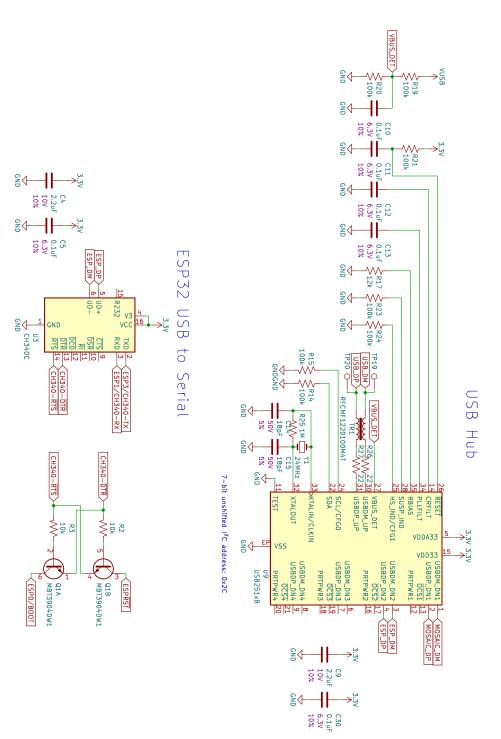
GND

REAL TOP9

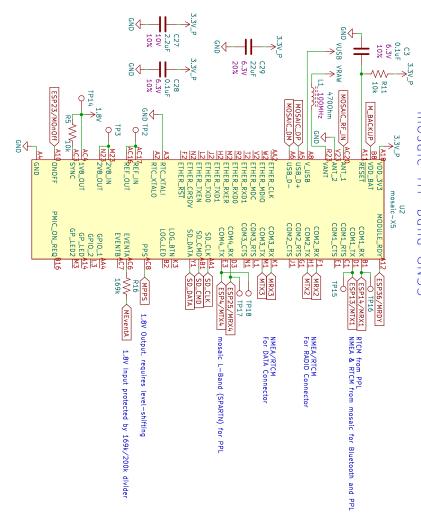
STLQ015-3.3

O

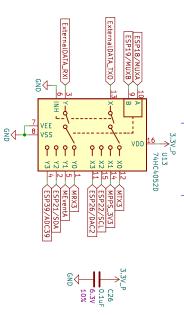
ST GNSS RTC Backup



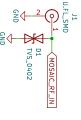
mosaic Tri-band GNSS



Data Output Multiplexer



GNSS Antenna



Microstrip Calculation:
Copper Thickness (120): 1.4mil/0.035mm
Board thickness: 1.6mm
Dielectric thickness (layer 1 to 2): 0.2mm
Ef: 4.6
Polygon Isolation: 6mil/0.1524mm
RF Trace Width: 13mil/0.33mm

https://chemandy.com/calculators/coplanar-waveguide-with-ground-calculator.htm

PPS Level-Shifting

