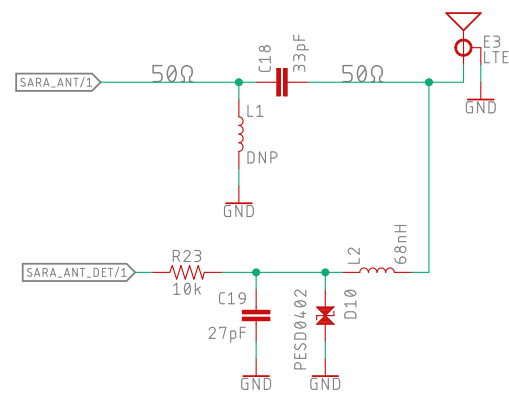




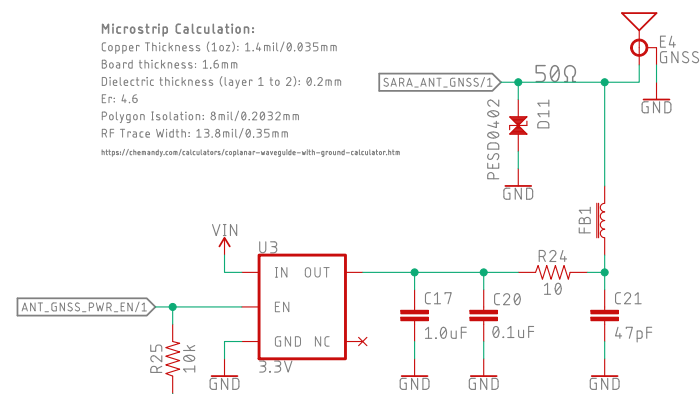
Special Instructions

Sheet: 1/2

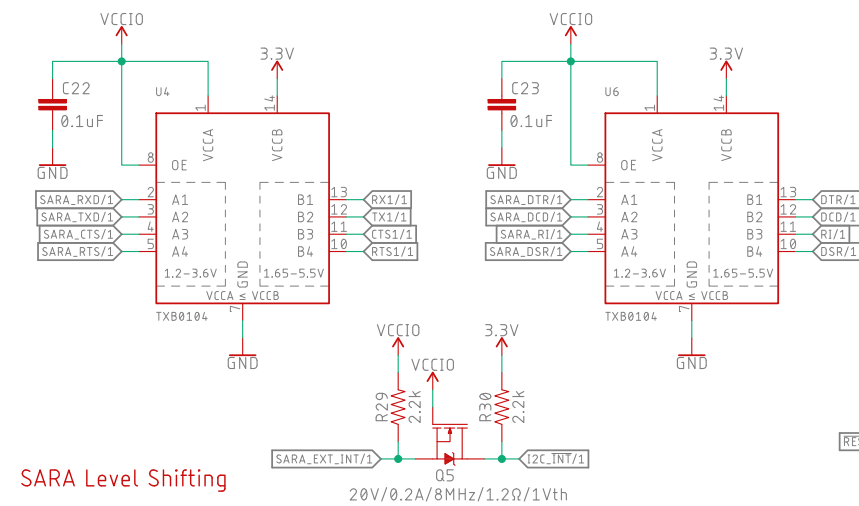


LTE Antenna

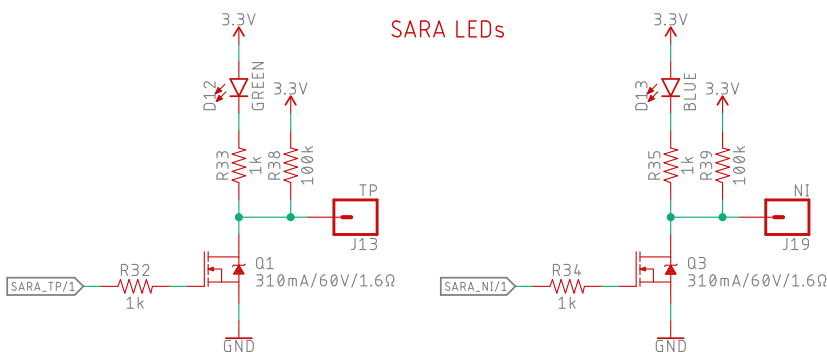
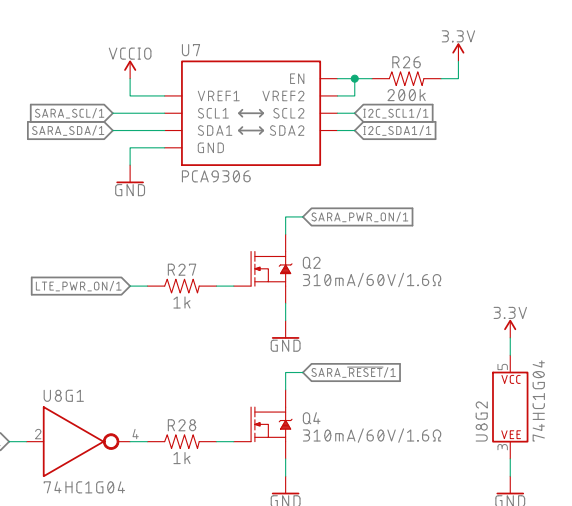
Microstrip Calculation:
Copper Thickness (1oz): 1.4mil/0.035mm
Board thickness: 1.6mm
Dielectric thickness (layer 1 to 2): 0.2mm
Er: 4.6
Polygon Isolation: 8mil/0.2032mm
RF Trace Width: 13.8mil/0.35mm
<https://chemandy.com/calculators/coplanar-waveguide-with-ground-calculator.htm>



GNSS Antenna



SARA Level Shifting



SARA LEDs