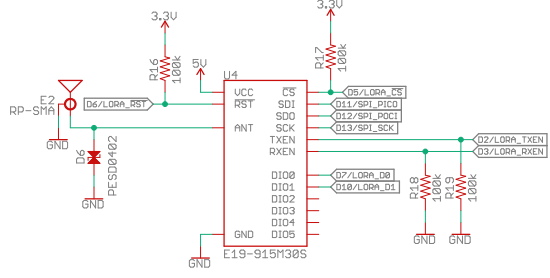
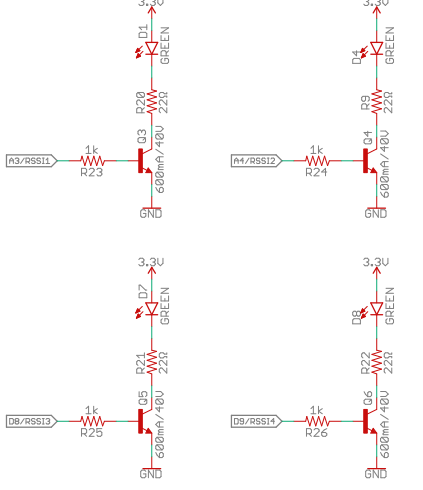


LoRa Radio 30dBm

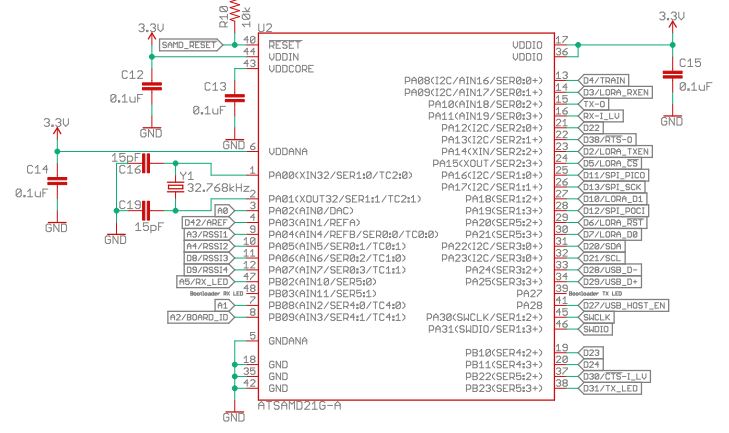


Naveguide Calculation:  
 Copper Thickness (toz): 1.4mil/0.035mm  
 Board thickness: 1.6mm  
 Dielectric thickness (layer 1 to 2): 0.2mm  
 Er: 4.6 = J47628  
 Polygon Isolations 10mil/0.254mm  
 RF Trace Widths 14.2mil/0.36mm  
<https://www.cmc.com/calculator/coilform-naveguide-4mil-ground-calculator.htm>

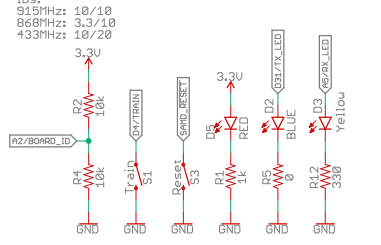
RSSI LEDs



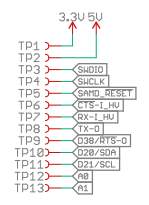
ATSAMD21G



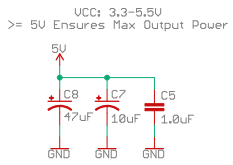
Buttons, ID, and LEDs



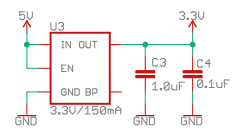
Test Points



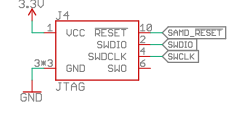
Power Decoupling



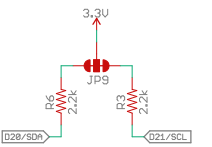
Voltage Regulation



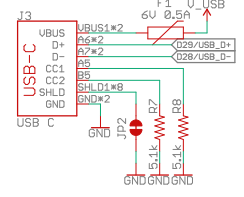
Cortex Debug



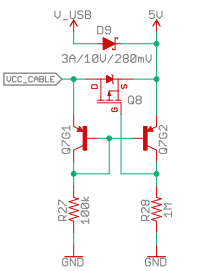
I2C Pull Ups



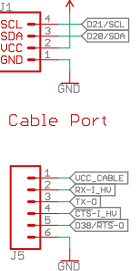
USB



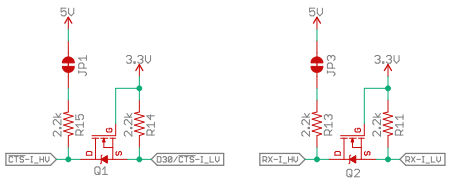
Source Selection



Cable Port



5U Protected Inputs



GPIO



Released under the Creative Commons Attribution Share-Alike 4.0 License  
<https://creativecommons.org/licenses/by-sa/4.0/>  
 TITLE: SparkFun LoRaSerial 915MHz - 1W  
 Design by: N. Seidle  
 Date: 3/9/2023 1:52 PM  
 REV: v13  
 Sheet: 1/1