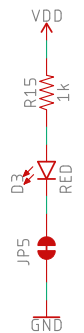
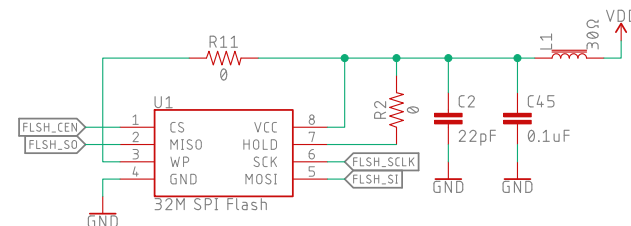


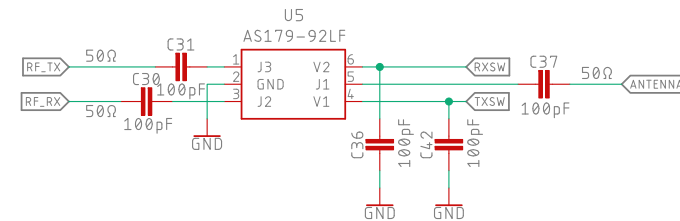
Power Switch



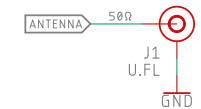
LED



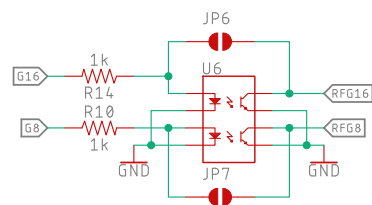
Flash Memory



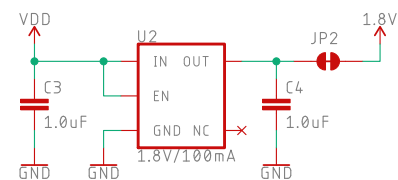
Antenna Switch



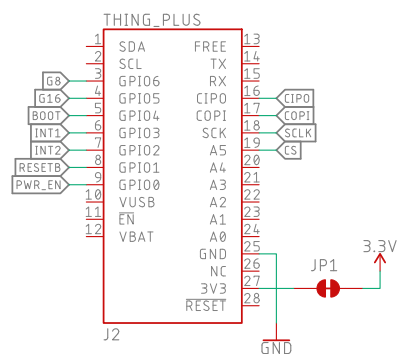
Antenna



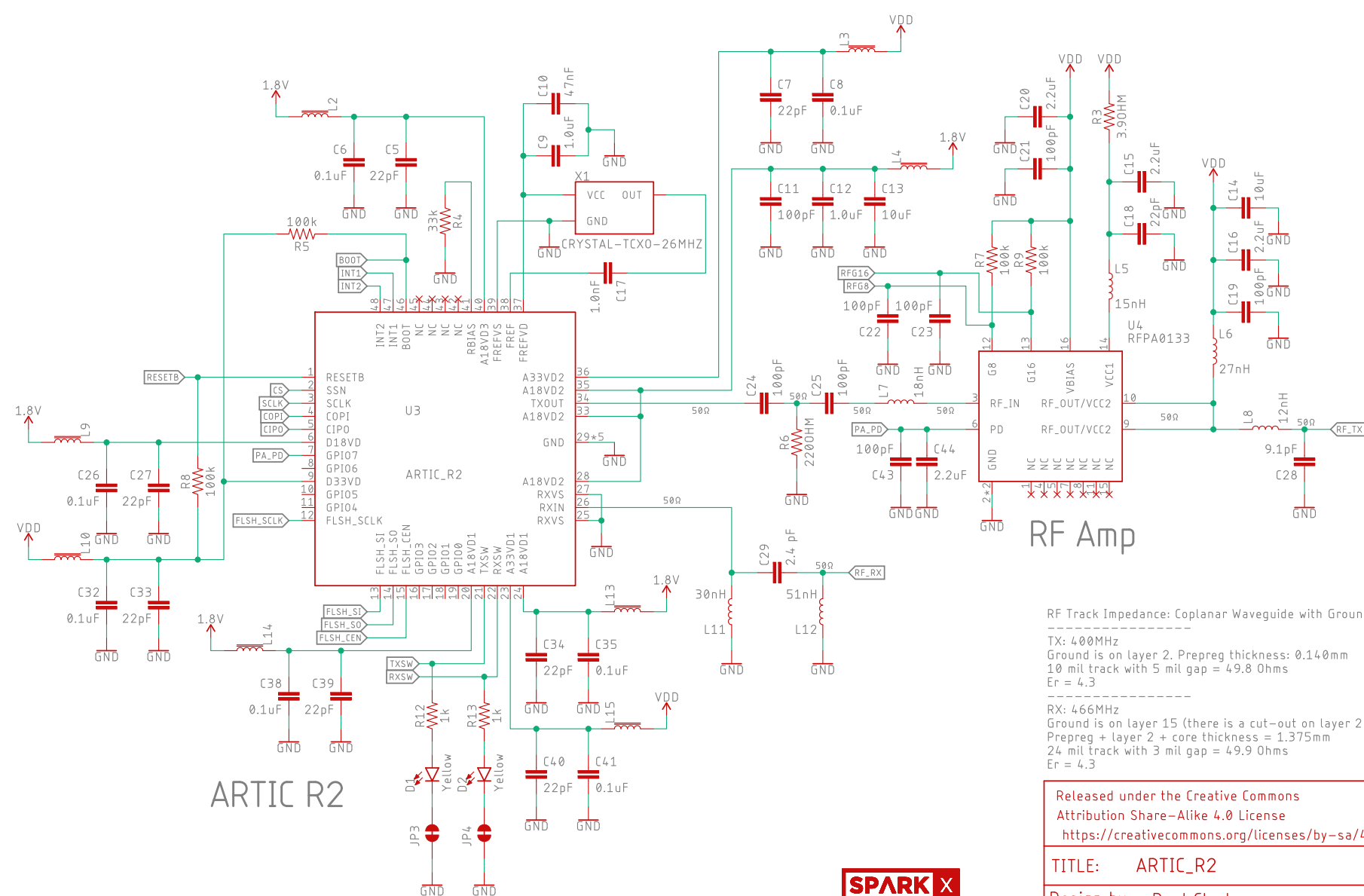
Gain Opto-Isolation



1.8V Regulator



Pins



ARTIC R2

RF Track Impedance: Coplanar Waveguide with Ground Calculations

TX: 400MHz
Ground is on layer 2. Prepreg thickness: 0.140mm
10 mil track with 5 mil gap = 49.8 Ohms
Er = 4.3

RX: 466MHz
Ground is on layer 15 (there is a cut-out on layer 2 as per AnSem's design guide).
Prepreg + layer 2 + core thickness = 1.375mm
24 mil track with 3 mil gap = 49.9 Ohms
Er = 4.3

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Special Instructions



TITLE: ARTIC_R2

Design by: Paul Clark
Based on the Icoteq Reference Design

REV:
X01

Date: 28/07/2020 09:10

Sheet: 1/1

