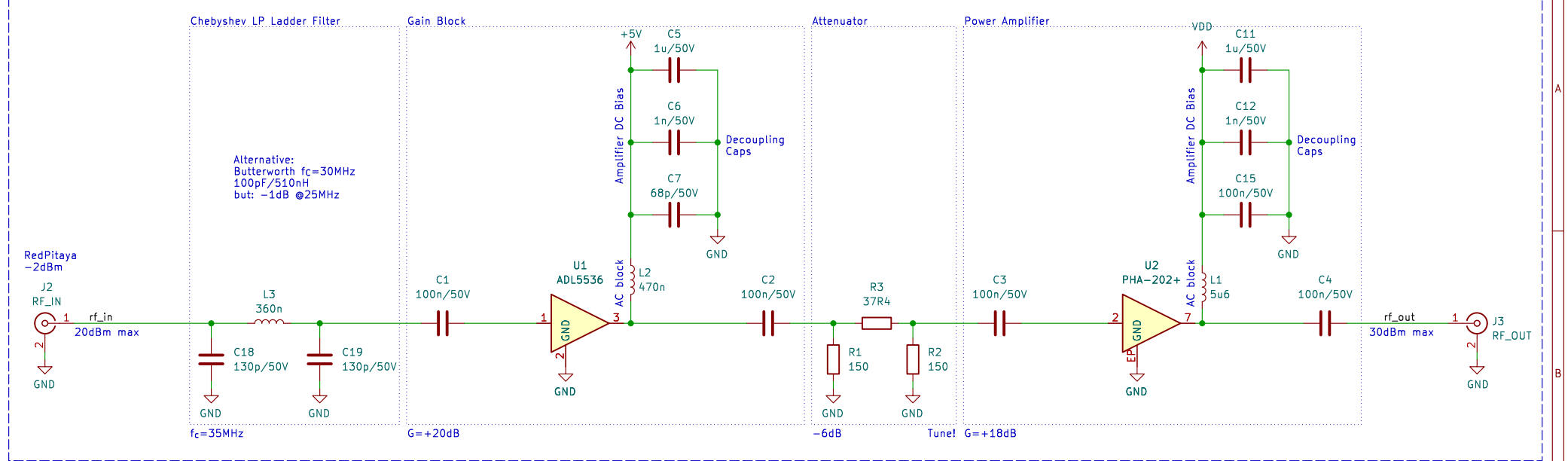
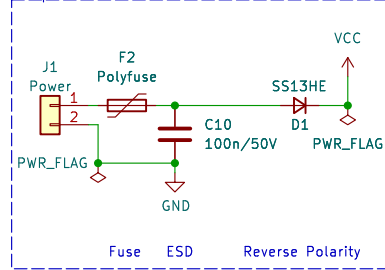


Amplifier, 500hm, 30MHz..1GHz, G=32dB, P1dB=30dBm



Input Protection



Design Goals:

- Easy to solder/fix/adjust
- Standard parts
- Standard PCB (FR4)
- Standard manufacturing (standard design constraints)

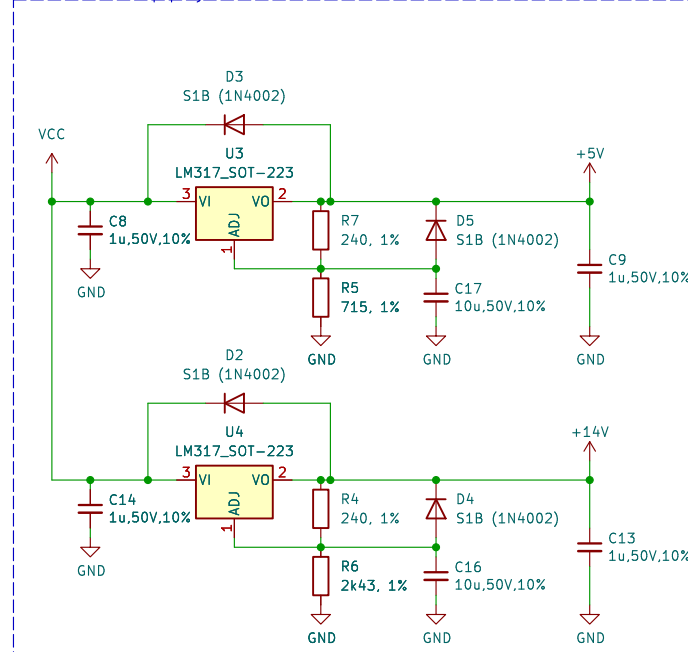
PCB:

- 1.51mm (60mil) FR4 (Dk = 4.5)
- 35um (1oz) copper (both sides)

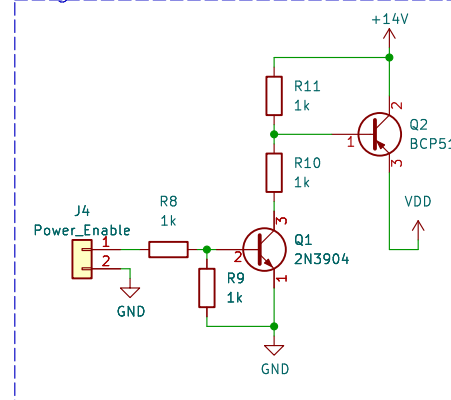
Coplanar Wave Guide with ground plane (KiCad Calculator Tools)

- $\epsilon_r = 5$
- $\tan\delta = 0.02$
- $\rho = 1.72e-08$
- H = 1.51mm
- T = 35um
- f = 25MHz
- W = 1.45mm (0805 pad height)
- > S = 0.355mm

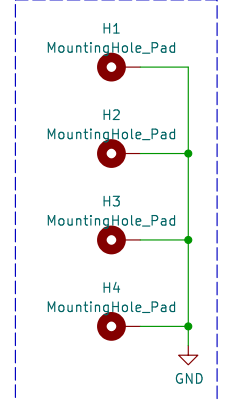
Power Supply



High-Side Power Switch



Mount



Sheet: /
File: poweramp.kicad_sch

Title:

Size: A4
KiCad E.D.A. kicad 7.0.5-1.fc38

Date:

Rev:

Id: 1/1