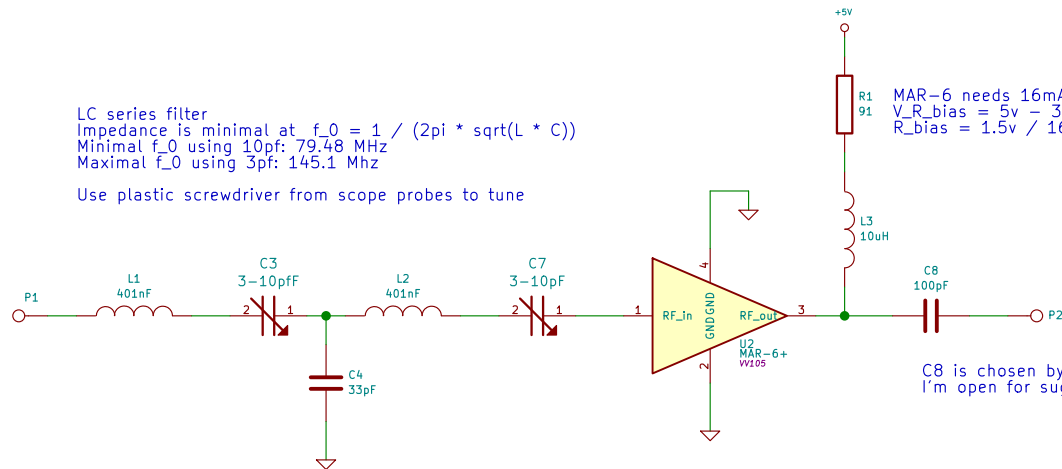


LC series filter
 Impedance is minimal at $f_0 = 1 / (2\pi * \text{sqrt}(L * C))$
 Minimal f_0 using 10pf: 79.48 MHz
 Maximal f_0 using 3pf: 145.1 Mhz
 Use plastic screwdriver from scope probes to tune



MAR-6 needs 16mA at 3.5v
 $V_{R_bias} = 5v - 3.5v = 1.5v$
 $R_{bias} = 1.5v / 16mA = 93.75\Omega$

C8 is chosen by fair dice roll.
 I'm open for suggestions for the proper way to choose it.

Sheet: /
 File: ark-lna.sch

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Size: A4

Date:

Rev:

KiCad E.D.A. kicad (2016-01-30 BZR 6528, Git 351752f)-product

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