boali

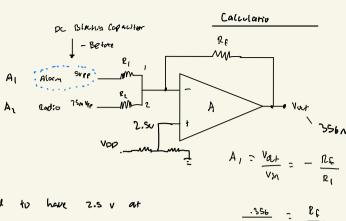
Aiming for 100-200ml Rms (8-1) of action at Seakers

Sum of radio/Alaca Sizaral P = TV $P = V_{emi}$ $P = V_{emi}$ V_{emi} $V_{emi} = \sqrt{R}$ V_{emi} $V_{emi} = \sqrt{R}$ V_{e

dis: 2010910 [Vo] - Voltane Courser cortio

$$V_{i_A} = \frac{v_0}{v_0^{d_{i_20}}}$$
 $d_0 = 20$
 $v_{i_A} = \frac{3.56}{v_0^{2}} v_0 = .356v$

Pear - Peak



Basel on kit;

Choose 220 a for Rf

Need to have 2.5 v at
Positive of the Amplifier to
Keep the Signal at 2.5 v
So it does not Clip.

$$\frac{.356}{5v} = \frac{l_f}{l_1}$$

$$.07.152 = \frac{l_f}{l_2}$$

$$l_1 = \frac{200}{.07.152} = 3.1 \text{ K.s.}$$

infet capacity - him pass

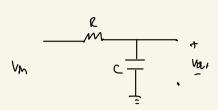
Lovest musical note is 16.32Hz We vant to be able to account for all musical notes.

5.1K. The Kit has 4.7 μ F capaciton

(= 4.7 μ F $f_{c} = \frac{1}{2\pi \mu_{c}} = \frac{1}{2\pi (3.1 \text{Ke}) (4.7 \mu\text{G})} = 11 \text{ Hz}$

Anything below 11 Hz Will not 30 through the high pass filter. We want to block DC voltage so after pre-amp output does not set saturated.

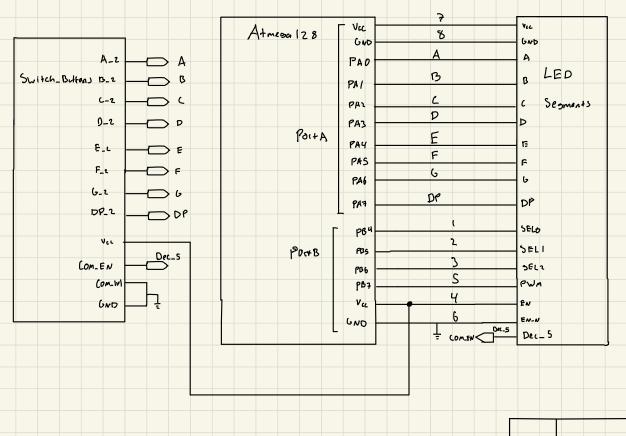
volume - PWM Calcolorium



C= .1 NF

Based on kit choose, R= 1km C= . INF

We cloud Vont to low of a cut off frequency or it'll take a long time for the output collabor to leach the descred DAC voltage.



Nane	Benson Ton
Doile	10/30/2021
Title	Top Level

