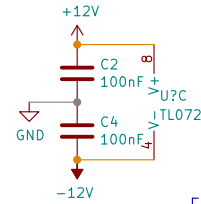
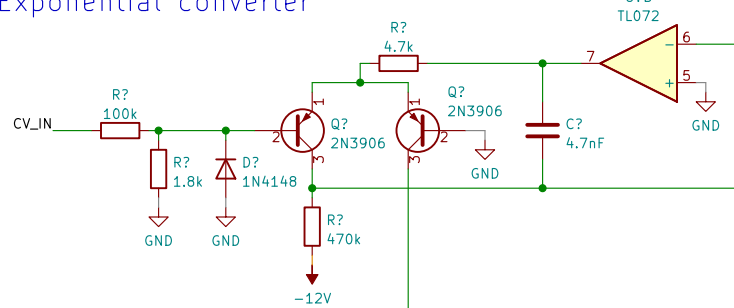
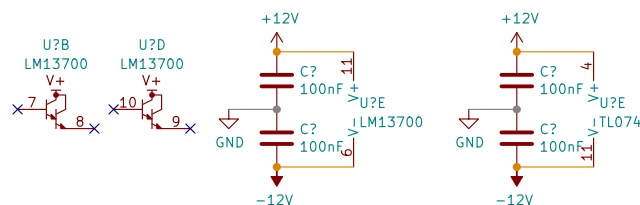
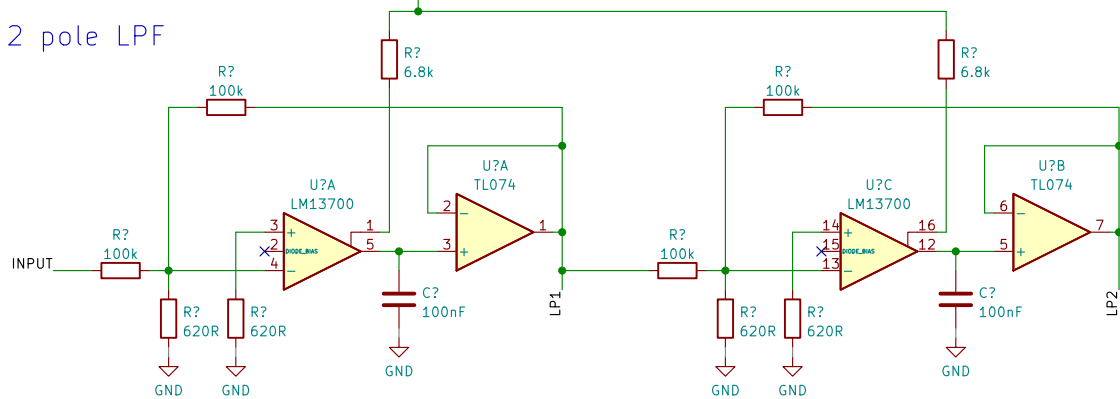


Exponential converter



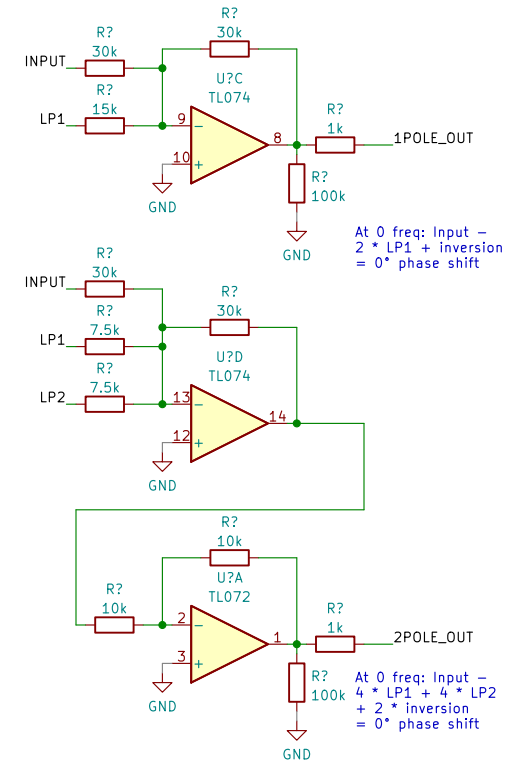
2 pole LPF



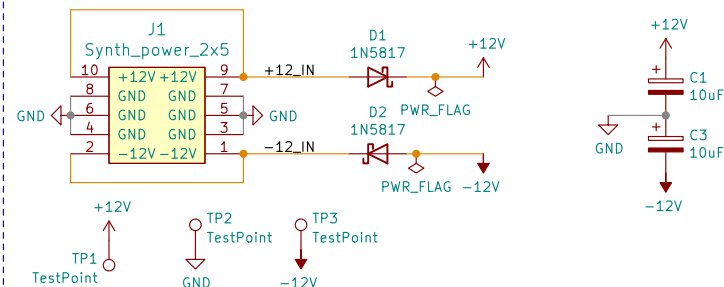
Per LM13700 datasheet,
 $f_0 = R_A g_m / ((R + R_A) 2\pi C)$

$R_A = 620 \text{ } \Omega$ $R = 100k$
 $g_m = 9600 \text{ } \mu S$ at $I_{ABC} = 500 \text{ } \mu A$ (~ 19.2ABC).
 $f_0 = 10/C \text{ Hz}$ with C in μF .

Pole mixing



Power



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Rich Holmes / Analog Output

Sheet: /
 File: vcapf.kicad_sch

Title: VC All Pass Filter

Size: USLetter Date: 2022-03-30

KiCad E.D.A. kicad 6.0.4-6f826c9f35-116-ubuntu20.04.1

Rev:

Id: 1/1