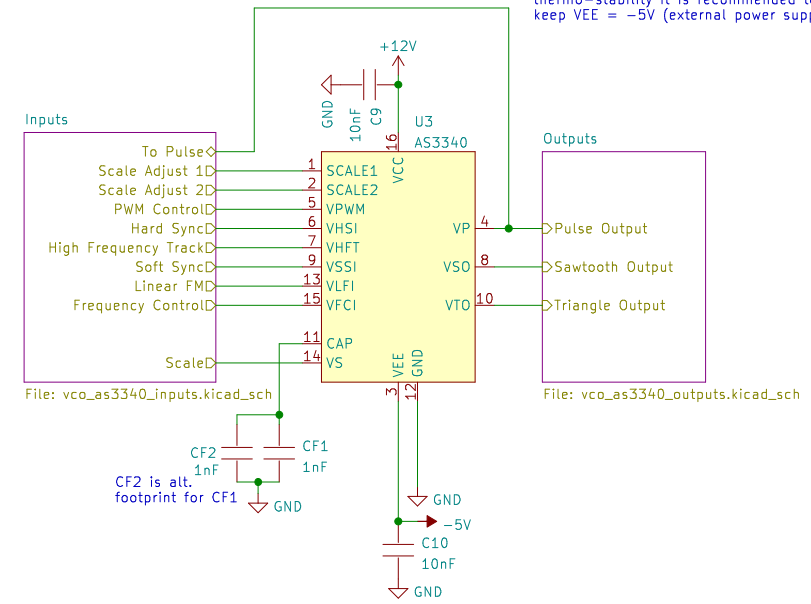



To minimize self-heating and improve thermo-stability it is recommended to keep VEE = -5V (external power supply).



$$575 = (12 - 7.4) / 0.008$$

See datasheet.



LOG02

BLEED BLOOD

LOG01

BLEED BLOOD

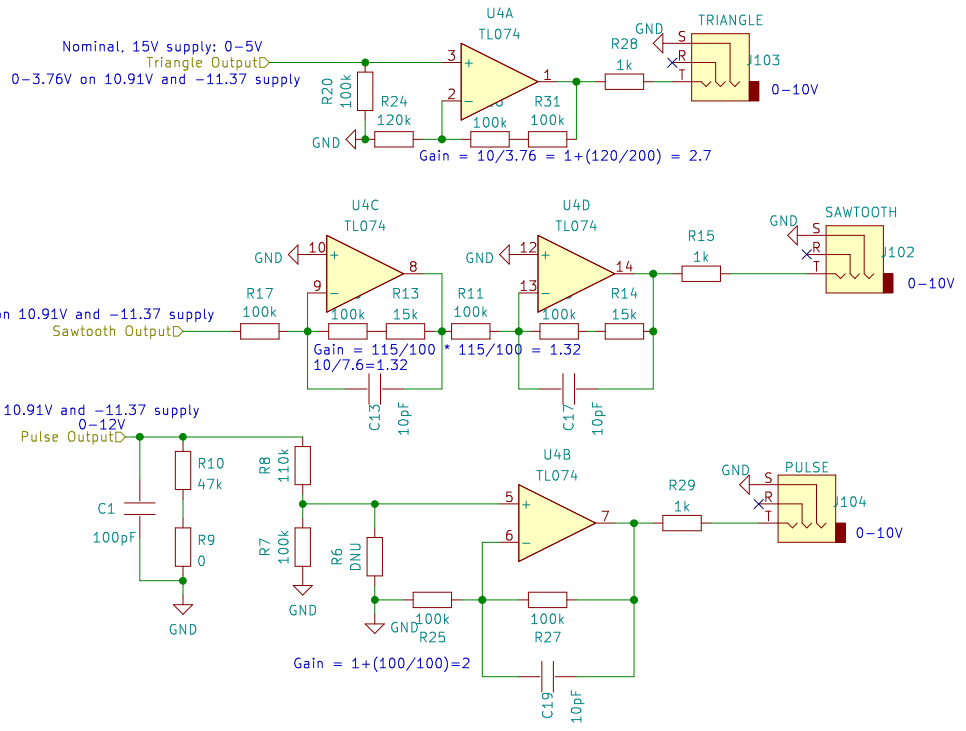
RobotDialogs

Sheet: /

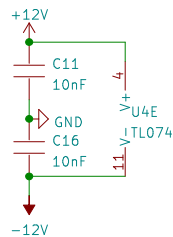
File: vco_as3340.kicad_sch

Title: 3340_VCO

Size: A4	Date: 2023-01-09	Rev: 2.1
KiCad E.D.A. kicad (6.0.0)	Id: 1/3	



There's a circuit for VCO vs PWM stability in
<https://www.alfarzp.lv/eng/sc/A53340%20tip%20VCO%20-%20PWM%20.pdf>
 But I can't get it to work in simulation, so just a divider and buffer.
<https://tinyurl.com/269d78mt>



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RobotDialogs

Sheet: /Outputs/

File: vco_as3340_outputs.kicad_sch

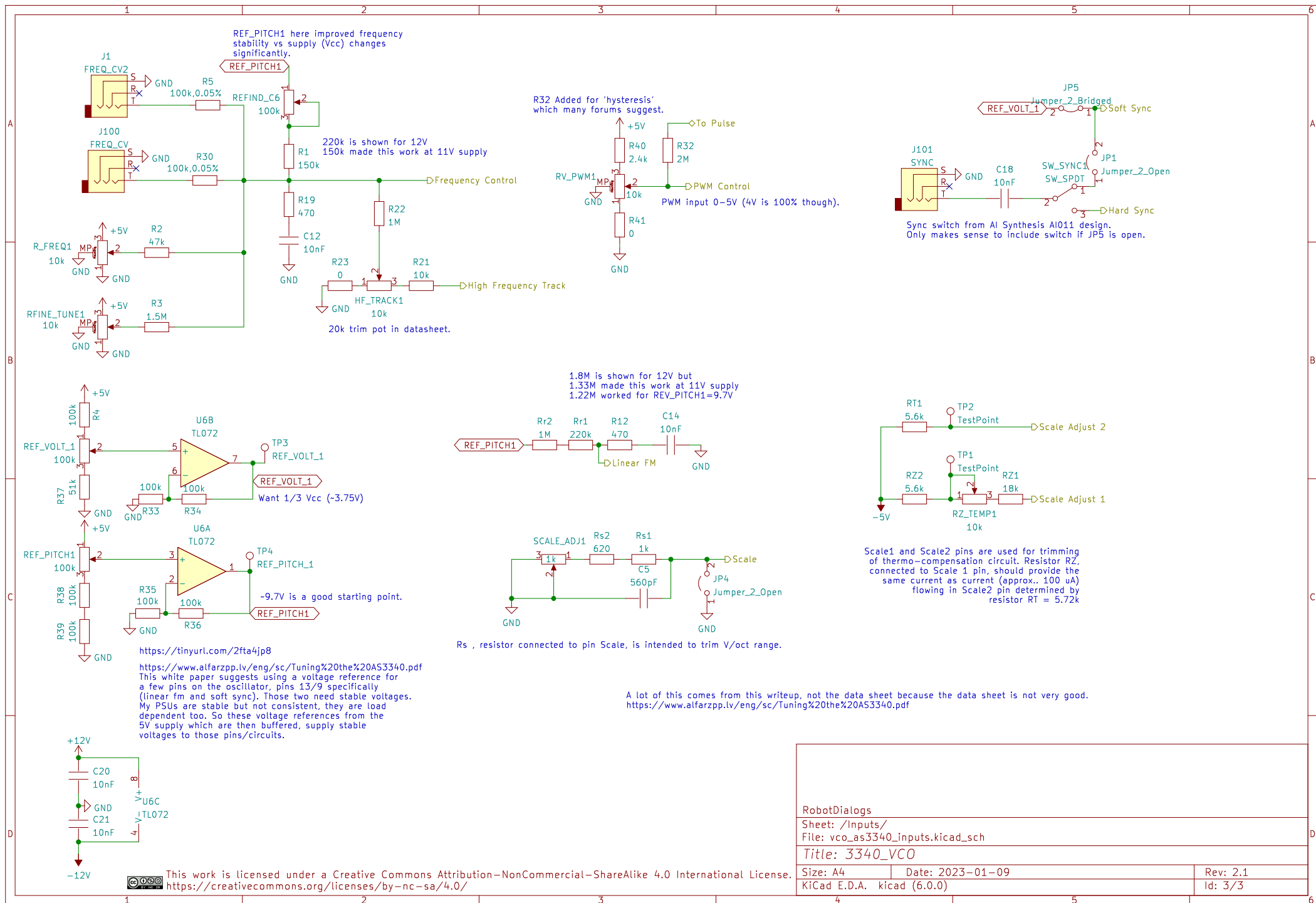
Title: 3340_VCO

Size: A4 Date: 2023-01-09

KiCad E.D.A. kicad (6.0.0)

Rev: 2.1

Id: 2/3



RobotDialogs

Sheet: /Inputs/
File: vco_as3340_inputs.kicad_sch

Title: 3340_VCO

Size: A4
Date: 2023-01-09
KiCad E.D.A. kicad (6.0.0)

Rev: 2.1
Id: 3/3