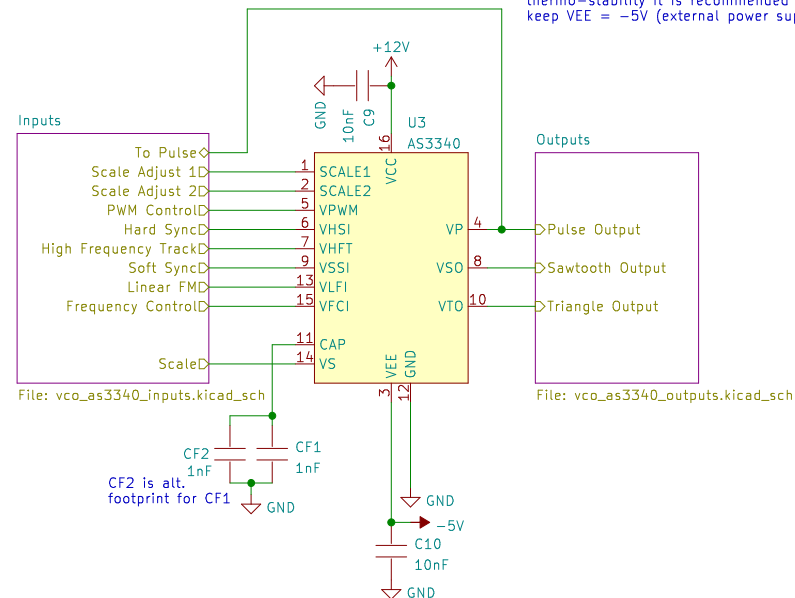


To minimize self-heating and improve thermo-stability it is recommended to keep VEE = -5V (external power supply).



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

See datasheet.



RobotDialogs

Sheet: /
File: vco_as3340.kicad_sch

Title: 3340_VCO

Size: A4 Date: 2022-12-09

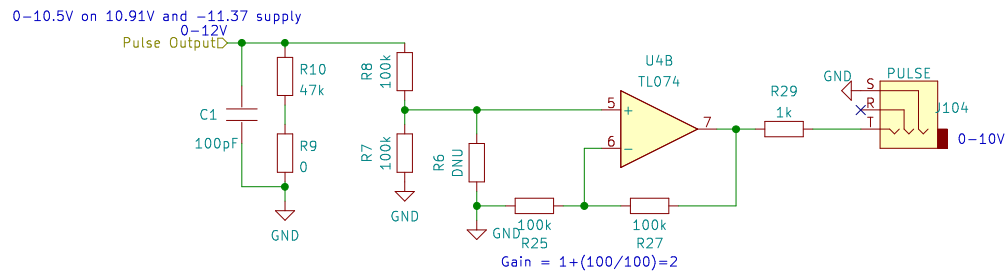
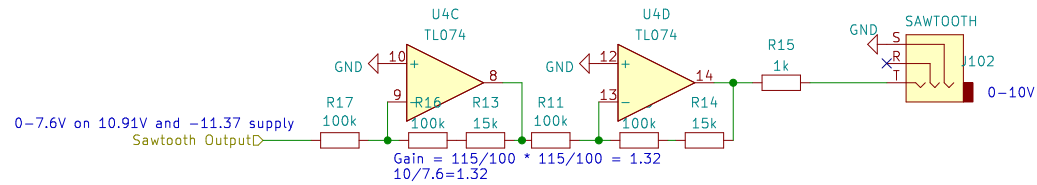
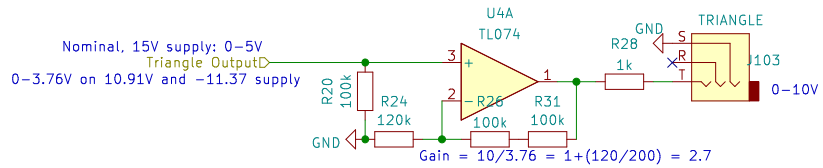
KiCad E.D.A. eeschema (6.0.0)

Rev: 2.0

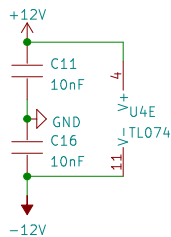
Id: 1/3



This work is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License.
<https://creativecommons.org/licenses/by-nc-sa/4.0/>



There's a circuit for VCO vs PWM stability in
https://www.alfarzp.lv/eng/sc/AS3340%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>



RobotDialogs

Sheet: /Outputs/

File: vco_as3340_outputs.kicad_sch

Title: 3340_VCO

Size: A4 Date: 2022-12-09

KiCad E.D.A. eeschema (6.0.0)

Rev: 2.0

Id: 2/3



This work is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License.
<https://creativecommons.org/licenses/by-nc-sa/4.0/>

