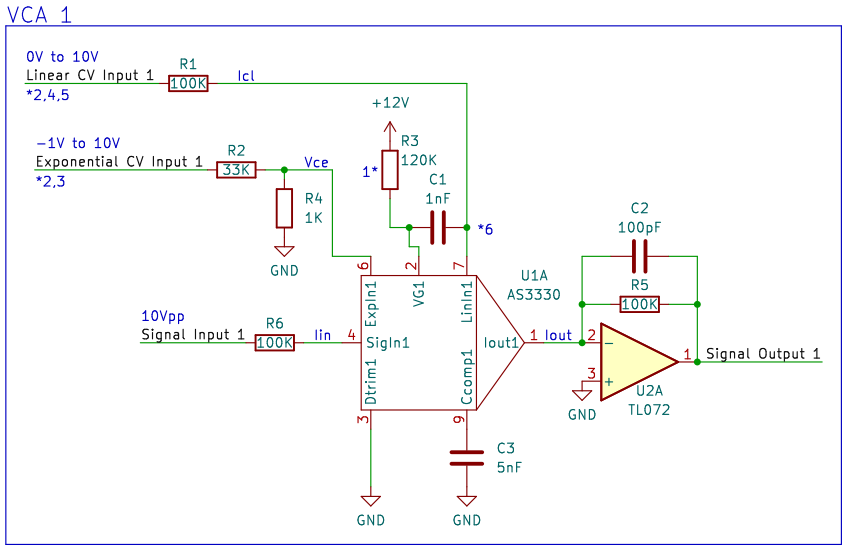
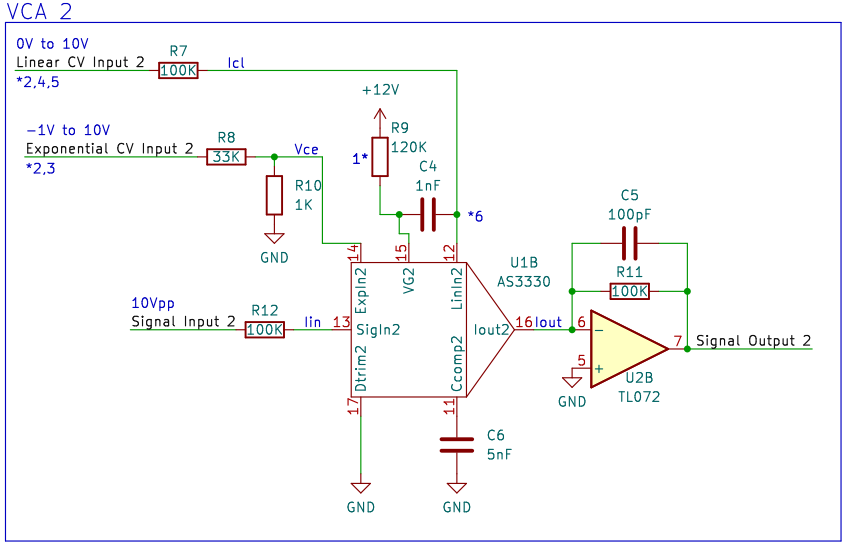
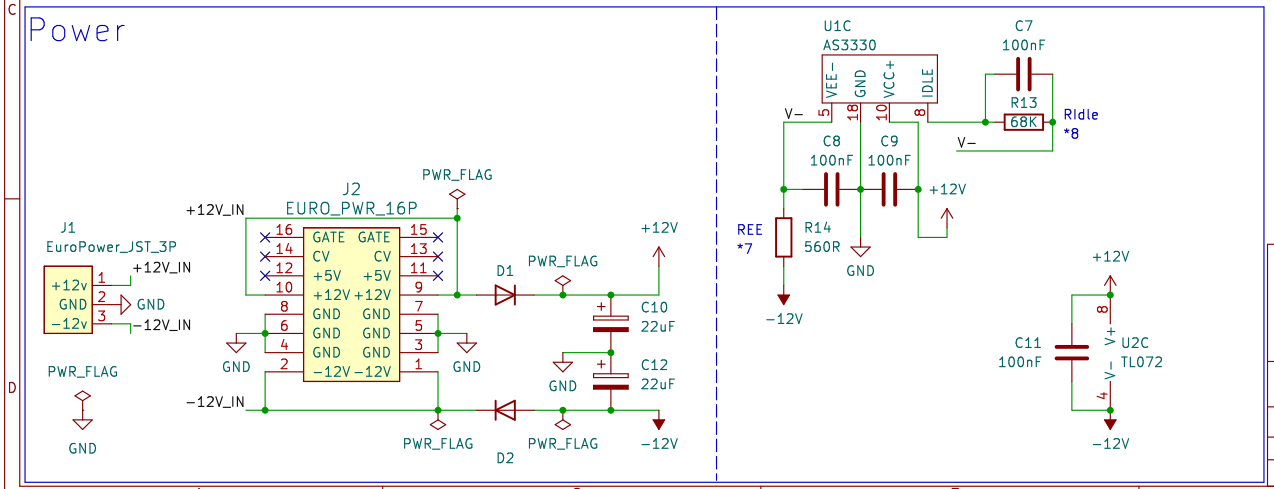




Control inputs (single input/either or):
Linear (Exp input must be at 0V or unity gain):
– 10V at the linear CV input through the 100K resistor will be at unity gain.
– 0V would be max attenuation.
Exponential (Linear input must be at 10V or unity gain):
– 0V at the exponential CV input through the 33K resistro will be at unity gain.
– 10V would be max attenuation.



* NOTES *
1) RB should be 120K for a 100uA reference current
2) CV inputs must be normalled to VCC (Digisound)
3) Exp input should be inverted (Digisound)
4) Lin input is a summing node
5) a −10V input would fully attenuate the signal
6) 1nF or larger
7) @15V, 680R, 22mA
7) @12V, 560R, 21.4mA
8) IDLE, @68K, Class A

Datasheet Circuit
This version is a prototype
DIYSynthMNL

Sheet: /
File: Eurorack–AS3330–Dual–Lin–Exp–VCA.kicad_sch

Title: Eurorack AS3330 Dual Linear/Exponential VCA

Size: A4	Date: 2024–01–29	**Rev: 0.1.2**
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