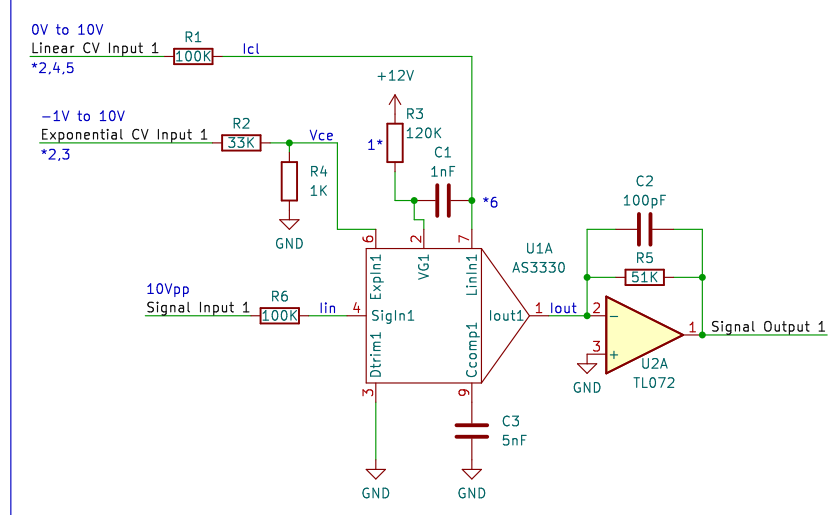
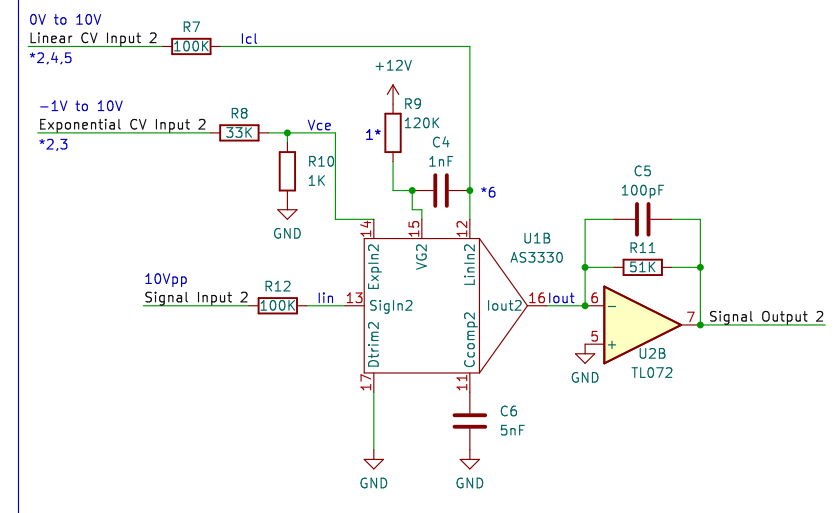


VCA 1

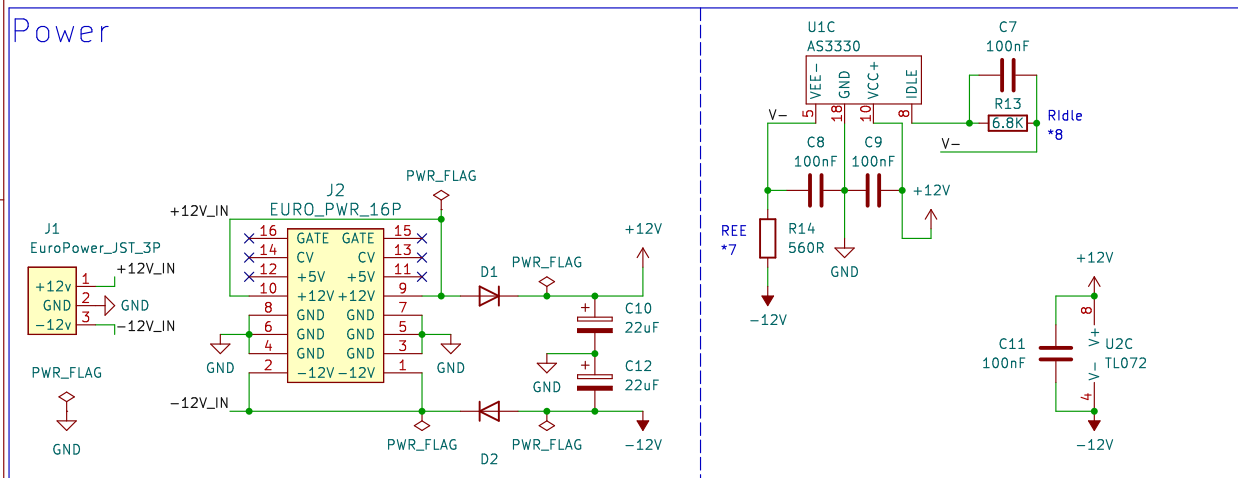


VCA 2



10V at the linear control input through the 100K resistor will be at unity gain.
0V would be at -80dB?
-10V would be at max attenuation which is -110dB

Power



- * NOTES *
- 1) RB should be 120K for a 100uA reference current
 - 2) CV inputs must be normalized 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
 - 8) @12V, 560R, 21.4mA
 - 9) IDLE, @6.8K, class AB, 7uA (Digisound)

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: 2024-01-28

KiCad E.D.A. kicad 7.0.9

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