

3310 ADSR V4.2

The 3310 ADSR Envelope Generator Eurorack PCB and Front Panel Kit is a compact and efficient envelope module based on the classic CEM3310/AS3310 IC. Designed for reliability and expressive control, it delivers smooth and precise Attack, Decay, Sustain, and Release shaping for a wide range of synthesis applications.

This module is a cost-effective way to add a high-quality ADSR envelope to your Eurorack system while maintaining professional performance and intuitive operation.

Key Features

Eurorack PCB and front panel kit

Based on the CEM3310/AS3310 ADSR envelope generator IC

Full ADSR control with dedicated potentiometers

Built-in envelope activity LED for visual feedback

Bus gate compatibility via Eurorack ribbon cable

External gate input overrides bus gate automatically

Compact 6HP format

Front panel made from PCB material, screen printed by hand



Bom

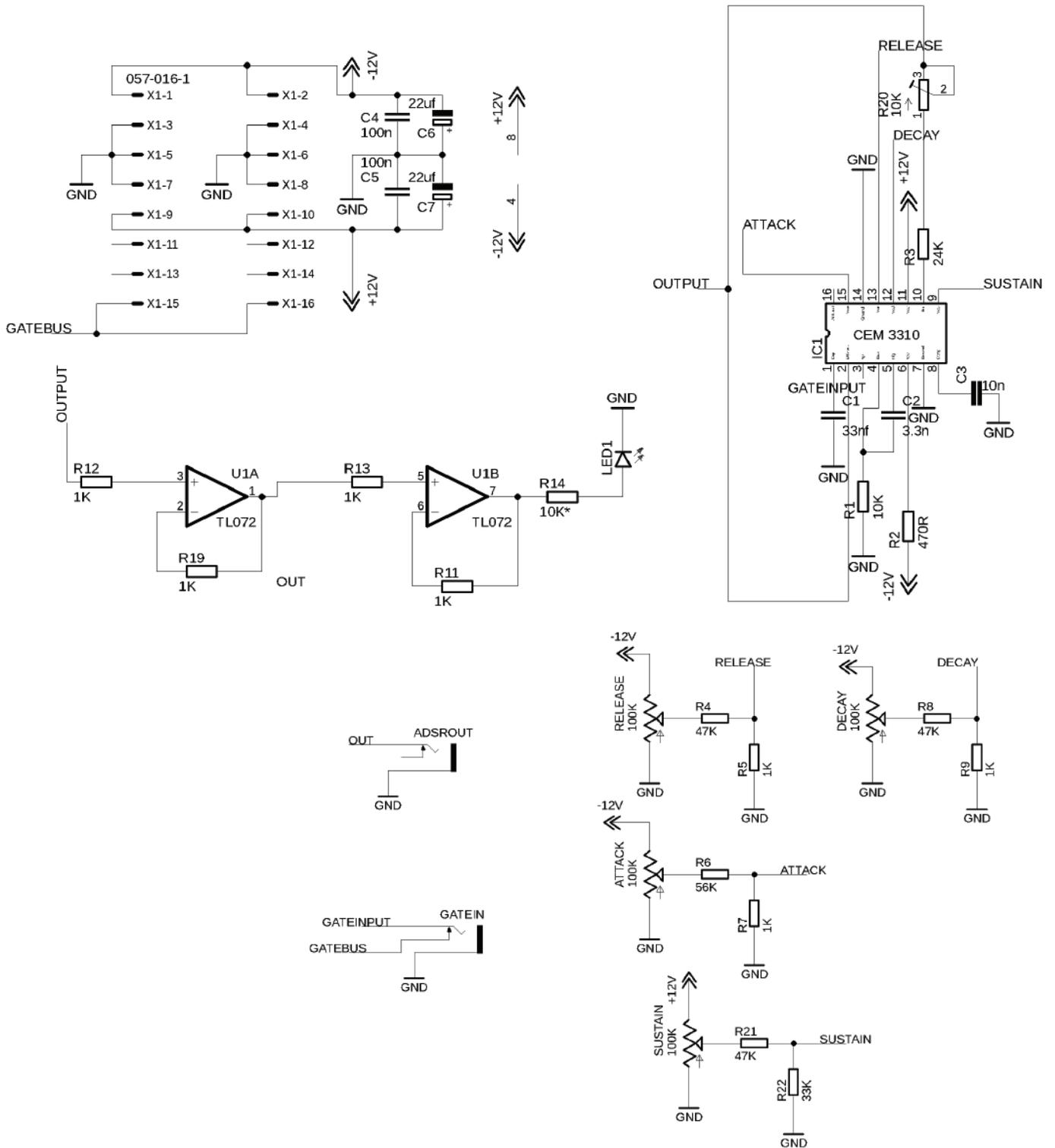
Qty	Value	Part Number
1		LED1
1	16 Pin IDC Socket	X1
4	100K	ATTACK, DECAY, RELEASE, SUSTAIN
2	100n	C4, C5
1	10K	R1
1	10K / Trimm Resistor	R20
1	10K* (LED Brightness)	R14
1	10n	C3
7	1K	R5, R7, R9, R11, R12, R13, R19
2	22uf	C6, C7
1	24K	R3
1	3.3n	C2
1	33K	R22
1	33nf	C1
1	470R	R2
3	47K	R4, R8, R21
1	56K	R6
1	CEM3310	IC1
2	PJM398SM / Jack Socket	ADSR0UT, GATEIN
1	TL072	U1

Use capacitors rated 25V or higher.

Calibration

There is no definitive right or wrong method for calibrating this module. The trimmer is designed to fine-tune the timing of the 3310 IC. While the impact of the trimmer may be subtle, it can be observed on an oscilloscope or sensed in the attack section.

Schematic



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 For more information please contact gurugarasynth@gmail.com