

3310 VC-ADSR V5.1

The 3310 VC-ADSR Eurorack PCB and Front Panel Kit is a DIY voltage controlled envelope generator based on the reliable CEM3310 / AS3310 IC. Designed for Eurorack modular systems, this ADSR provides precise and flexible envelope shaping, suitable for both beginner and intermediate builders.

Key Features

Eurorack PCB and front panel kit

Based on the CEM3310 / AS3310 envelope generator IC

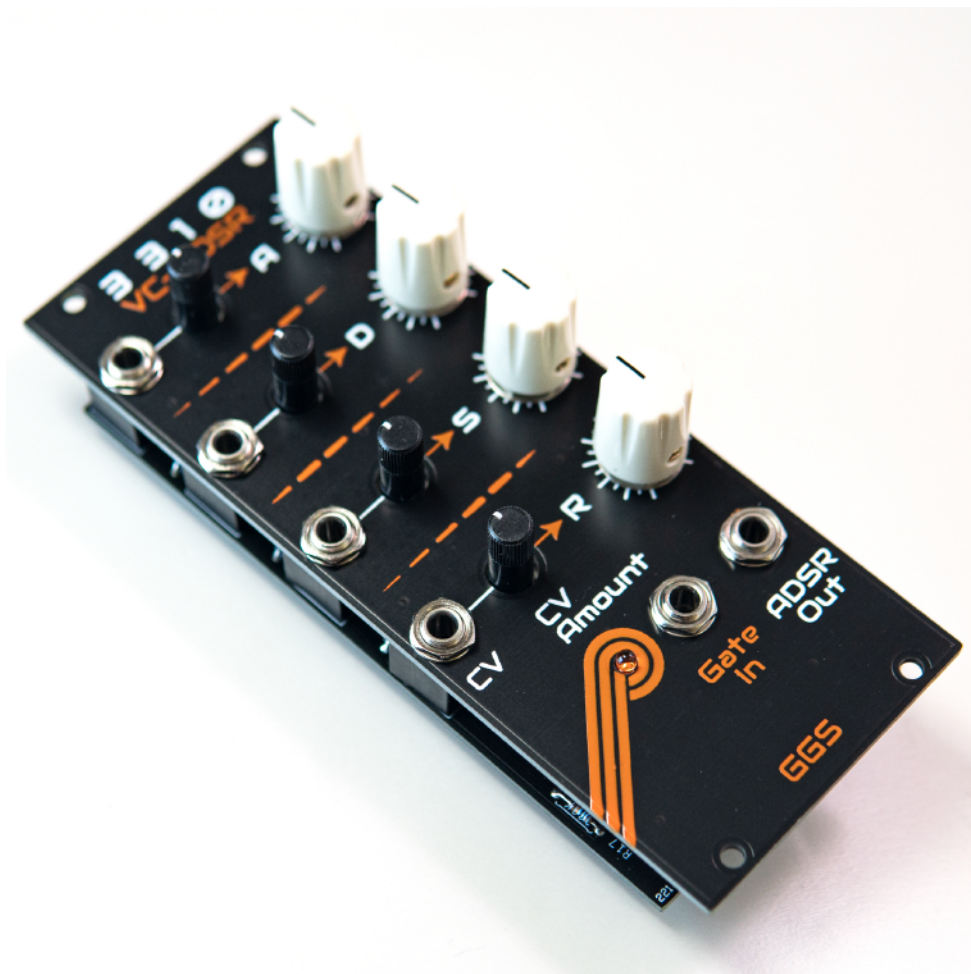
Classic ADSR envelope with Attack, Decay, Sustain, and Release controls

CV inputs with CV amount control for each envelope stage

LED envelope display for visual feedback

Gate input via power bus or external jack

10HP Eurorack format

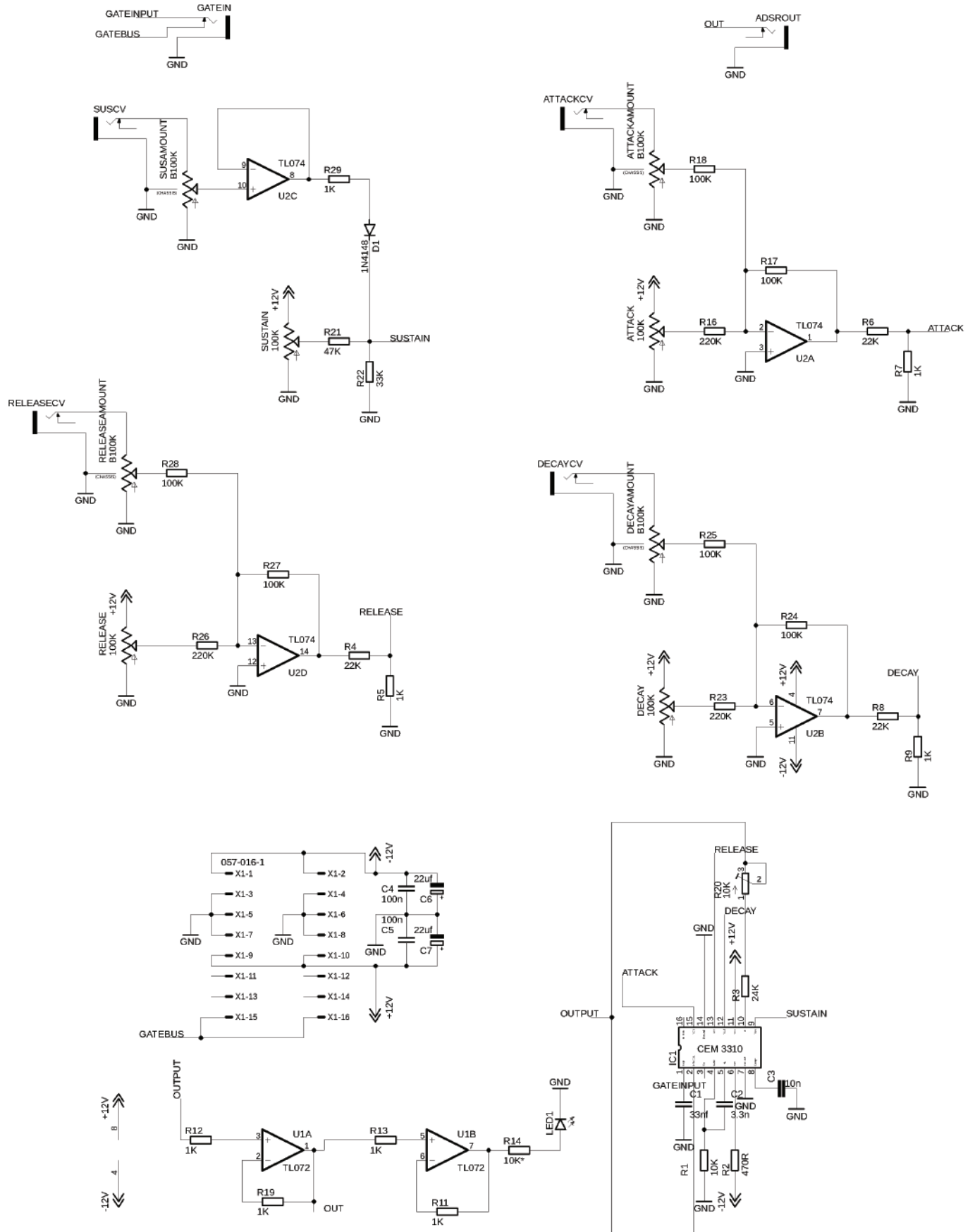


Bom

Qty	Value	Part Number
1		LED1
1	IDC Socket	X1
4	100K	ATTACK, DECAY, RELEASE, SUSTAIN
6	100K	R17, R18, R24, R25, R27, R28
2	100n	C4, C5
1	10K	R1
1	10K - Trimm resistor	R20
1	10K* (LED Brightness)	R14
1	10n	C3
8	1K	R5, R7, R9, R11, R12, R13, R19, R29
1	1N4148	D1
3	220K	R16, R23, R26
3	22K	R4, R6, R8
2	22uf	C6, C7
1	24K	R3
1	3.3n	C2
1	33K	R22
1	33nf	C1
1	470R	R2
1	47K	R21
1	AS3310	IC1
4	B100K / 9mm Potentiometer	ATTACKAMOUNT, DECAYAMOUNT, RELEASEAMOUNT, SUSAMOUNT
6	PJM398SM / Jack Socket	ADSRROUT, ATTACKCV, DECAYCV, GATEIN, RELEASECV, SUSCV
1	TL072	U1
1	TL074	U2

Use capacitors rated 25V or higher.

Schematic



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.



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