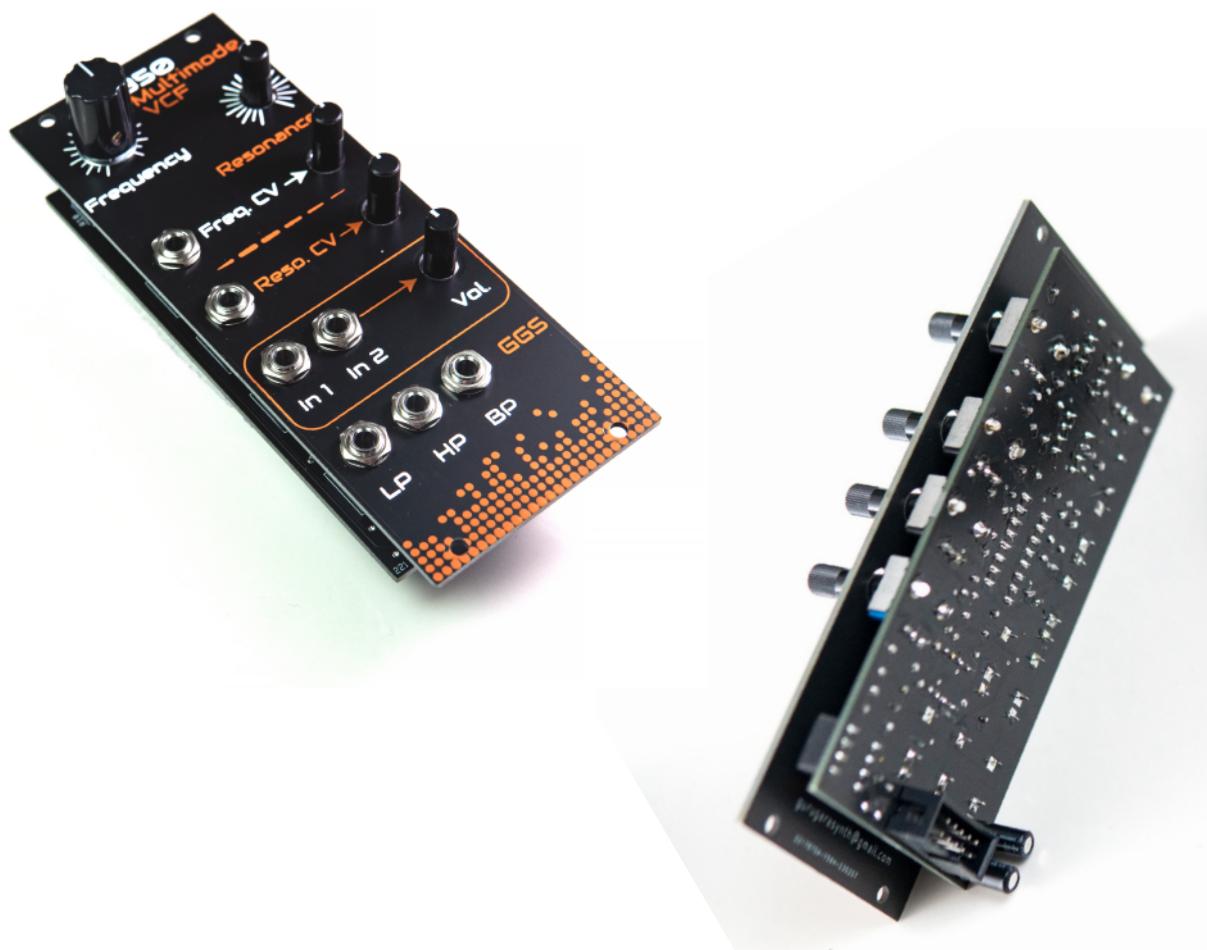


3350 VCF V1.5

The 3350 Multimode VCF Eurorack PCB and Front Panel Kit is a versatile DIY voltage-controlled filter built around the classic 3350 filter IC (CEM3350, AS3350, or equivalent). Implemented as a state variable filter topology, it provides multiple filter responses simultaneously, making it a powerful and flexible sound-shaping tool for Eurorack systems.

Key Features

- Eurorack PCB and front panel kit
- State variable filter (SVF) design based on the 3350 IC
- Simultaneous low-pass, band-pass, and high-pass outputs
- Frequency and resonance controls with CV input and CV amount
- Integrated two-input audio mixer
- Input 1 fixed at full level
- Input 2 with adjustable level
- Beginner to intermediate friendly DIY build
- Front panel made from PCB material, screen printed by hand



Bom

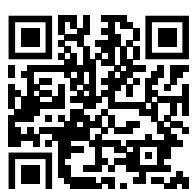
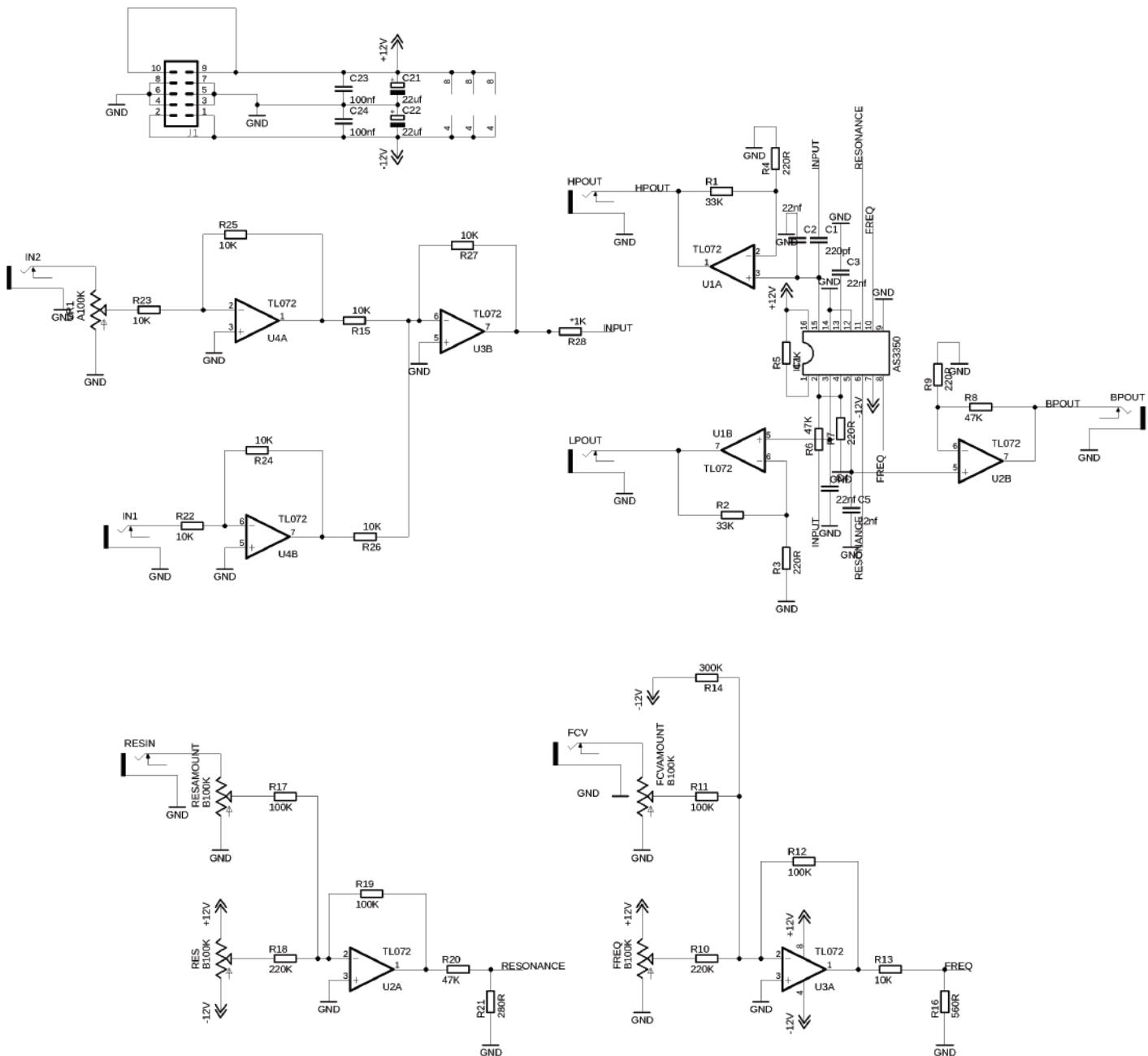
Qty	Value	Part Number
1	10 Pin IDC Socket/Power	J1
1	*1K	R28
4	100K	R11, R12, R17, R19
2	100nf	C23, C24
8	10K	R13, R15, R22, R23, R24, R25, R26, R27
2	220K	R10, R18
4	220R	R3, R4, R7, R9
1	220pf	C1
4	22nf	C2, C3, C4, C5
2	22uf	C21, C22
1	280R	R21
1	300K	R14
2	33K	R1, R2
4	47K	R5, R6, R8, R20
1	560R	R16
1	A100K / 9mm Potentiometer	VR1
1	AS3350 or CEM3350	IC1
4	B100K / 9mm Potentiometer	FCVAMOUNT, FREQ, RES, RESAMOUNT
1	HP Out	HPOUT
6	PJM398SM / Jack Socket	BPOUT, FCV, IN1, IN2, LPOUT, RESIN
4	TL072	U1, U2, U3, U4

Use capacitors rated 25V or higher.

Calibration

No calibration is needed.

Schematic



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