

3080-VCO V1.2				
Qty	Part	Value	Description	Mouser Part #
1	C1	0.001	Ceramic, Film	810-FK24C0G2A102J
2	C2, C3	10	Aluminum Electrolytic Capacitor	667-ECE-A1EKS100
1	C4	1000pf	Polystyrene	23PW210
1	C5	0.22	Ceramic, Film	810-FK28X5R1E224K
8	C6-C11, C13, C14	0.01	Ceramic, Film	594-K103M15X7RF53H5
1	C12	47pf	Ceramic, Film	810-FK28C0G1H470J
1	D1	1N4148DO35-10	DIODE	512-1N4148
1	IC1	TL072/OPA2137	Dual Operational Amplifier	595-TL072IP
1	IC2	LM3080N	OP AMP	OBSOLETE (SEE IC5)
1	IC3	TL071P	OP AMP	595-TL071IP
1	IC4	TL074	OP AMP	595-TL074CNE4
1	IC5	LM13700	OP AMP	926-LM13700N/NOPB
7	J1-J7	35RAPC2AV_LARGE_PADS	3.5mm mono jack, horizontal	502-35RAPC2AV
1	LED1	3MM	LED	604-WP710A10YD
2	Q1,Q2	2N3906 Matched pair	PNP Transistor	512-2n3906ta
3	R1, R2, R30	100K	Trimmer	594-64W104
6	R3-R6, R16, R32	100k	RESISTOR, American symbol	271-100K-RC
1	R7	2.4m	RESISTOR, American symbol	603-MFR-25FTE52-2M4
4	R8, R21, R25, R31	2.2k	RESISTOR, American symbol	271-2.2K-RC
2	R9, R36	2.2m	RESISTOR, American symbol	603-MFR-25FTE52-2M2
1	R10	1.5k	RESISTOR, American symbol	271-1.5K-RC
1	R11	5.1k	RESISTOR, American symbol	271-5.1K-RC
5	R12, R24, R33, R35, R43	10k	RESISTOR, American symbol	271-10K-RC
1	R13	1.2m	RESISTOR, American symbol	603-MFR-25FTE52-1M2
1	R14	1m	RESISTOR, American symbol	603-MFR-25FTE52-1M
2	R15, R44	18k	RESISTOR, American symbol	271-18K-RC
1	R17	360k	RESISTOR, American symbol	271-360k-RC

1	R18	390R	RESISTOR, American symbol	271-390-RC
1	R19	50K	Trimmer	594-64W503
1	R20	2K	Trimmer	594-64W202
1	R22	300R	NTC Thermistor	527-2008-300
3	R23, R34, R41	1k	RESISTOR, American symbol	271-1K-RC
1	R26	22k	RESISTOR, American symbol	271-22K-RC
1	R27	150k	RESISTOR, American symbol	271-150K-RC
2	R28, R29	15k	RESISTOR, American symbol	271-15K-RC
2	R37, R38	2k	RESISTOR, American symbol	271-2k-RC
1	R39	180r	RESISTOR, American symbol	271-180-RC
1	R40	27k	RESISTOR, American symbol	271-27K-RC
1	R42	24k	RESISTOR, American symbol	271-24K-RC
1	R45	110k	RESISTOR, American symbol	271-110K-RC
1	R46	3.9k	RESISTOR, American symbol	271-3.9K-RC
1	SV1	POWER	Right Angle IDC socket	517-30316-5002
4	T1-T4	2N3904	NPN TRANSISTOR	512-2n3904ta
6	VR1-VR6	100k B	9mm snap-in pot (Eurorack)	652-PTD901-2015KB104
3		8 pin IC socket		575-199308
1		14 pin IC socket		575-199314
1		16 pin IC socket		575-199316
1		16 pin polarized power cable		various
				or direct from us
6		Knobs		Synthrotek, Thonk etc.
				or direct from us