

CubuSynth – Dual CS-20 VCF – BOM Main-PCB V1.4 Mar 2023



Quantity	Name	Designator	Footprint
Resistors			
2	10R/BEAD	L1,L2	L_AXIAL-0.4
8	220R	R70,R69,R68,R67,R4,R3,R2,R1	R_AXIAL-0.3
4	620R	R47,R46,R30,R29	R_AXIAL-0.3
4	1k	R17,R57,R48,R26	R_AXIAL-0.3
2	1k5	R54,R20	R_AXIAL-0.3
6	4k7	R79,R78,R56,R18,R88,R87	R_AXIAL-0.3
2	6k8	R50,R23	R_AXIAL-0.3
20	10k	R16,R58,R66,R65,R64,R63,R62,R60,R53,R51,R22,R13,R11,R9,R8,R7,R6,R5,R52,R14	R_AXIAL-0.3
2	20k	R73,R72	R_AXIAL-0.3
2	33k	R49,R25	R_AXIAL-0.3
12	100k	R81,R80,R77,R76,R45,R39,R38,R31,R28,R27,R61,R10	R_AXIAL-0.3
2	470k	R55,R19	R_AXIAL-0.3
1	3M3	R86	R_AXIAL-0.3

Capacitors			
2	1n ceramic	C5,C4	RAD-0.1
4	1n Boxed	C2,C7,C25,C26	RAD-0.2-B
2	4n7	C6,C3	RAD-0.1
14	100n	C24,C23,C22,C21,C20,C19,C18,C17,C16,C15,C14,C13,C12,C11	RAD-0.1
2	1u	C8,C1	CAP-D5.0x*F2.0
2	10u	C10,C9	CAP-D5.0x*F2.0

Transistors / Diodes			
6	2N3906	Q6,Q5,Q4,Q3,Q2,Q1	TO-92-3_L4.9-W3.7-P1.27-L
2	1N4148	D2,D1	DO-35
2	1N4007	D4,D3	DO-41

Controls			
2	3296W Trimmer 1k (102)	RP1_102, RP2_102	RES-ADJ-TH_3296W
1	3296W Trimmer 100k (104)	RP3_104	RES-ADJ-TH_3296W

ICs			
4	IC-Socket 14pin	U3,U6,U8,U9	PDIP14
3	IC-Socket 16pin	U5,U2,U1	PDIP16
4	TL074 / TL084	U3,U6,U8,U9	PDIP14
3	LM13700	U5,U2,U1	PDIP16

Pin Headers / Screws			
3	HDR-F-2.54_1x8	J5,J3,J2	HDR-F-2.54_1x8
1	EURORACK10	SV1	EURORACK10
1	M3 Spacer 11mm		
2	M3 Screw Philips Head		

CubuSynth – Dual CS-20 VCF – BOM Control-PCB V1.4 Mar 2023

Quantity	Name	Designator	Footprint
Resistors			
2	33k	R84,R71	R_AXIAL-0.3
4	47k	R41,R40,R24,R21	R_AXIAL-0.3
11	100k	R83,R82,R75,R74,R42,R37,R36,R35,R34,R15,R85	R_AXIAL-0.3
4	330k	R44,R43,R33,R32	R_AXIAL-0.3

Diodes			
4	LED-TH-3mm_R	LED4,LED3,LED2,LED1	LED-TH_BD3.0_RED

Pin Header			
3	HDR-M-2.54_1x8	J6,J4,J1	HDR-M-2.54_1X8

Controls			
4	B100K Pot	CUTOFF,LP-HP-1,LP-HP-2,RESO	9MM VERTICAL POT
4	B100K Tall Trimmer	CV1A,CV2A,RCV1A,RCV2A,	9MM TALL TRIMMER
9	PJ-301M	CV1,CV2,IN1,IN2,OUT1,OUT2,RCV1,RCV2,V/O1	PJ-301M