CubuSynth – ENGINE BOM Main-PCB – PCB V1.1 May 2022



Resistors 3	Name	Indicator	Footprint
3			
	10R/Bead	L2,L1,L3	L AXIAL-0.4
1	220R	R113	R_AXIAL-0.3
4	470R	R55,R44,R26,R18	R_AXIAL-0.3
6	820R	R56,R27,R101,R68,R37,R35	R_AXIAL-0.3
		R214,R127,R126,R89,R88,R78,R67,R62,R50,R36,R16,R4,R95,R94,R83,R82,	
19	1k	R130,R129,R186	R_AXIAL-0.3
2	1k8	R46,R20	R_AXIAL-0.3
2	2k2	R196,R181	R_AXIAL-0.3
2	5k6	R54,R25	R_AXIAL-0.3
4	6k8	R195,R182,R61,R60	R_AXIAL-0.3
20	10k	R199,R194,R193,R192,R187,R184,R183,R178,R158,R112,R110,R64,R58,R121, R120,R119,R118,R117,R116,R115	R AXIAL-0.3
20	15k	R197,R180	R AXIAL-0.3
	158		IN_AXIAL-0.5
28	20k	R205,R204,R203,R202,R201,R200,R175,R174,R173,R172,R171,R170,R66,R51, R65,R57,R123,R109,R108,R107,R106,R105,R104,R103,R102,R190,R189,R188	R AXIAL-0.3
2	24k	R49,R24	R AXIAL-0.3
2	33k	R63,R59	R AXIAL-0.3
10	47k	R198,R179,R166,R53,R30,R5,R142,R52,R237,R236	R AXIAL-0.3
3	68k	R212,R145,R140	R AXIAL-0.3
		R213,R146,R139,R92,R85,R77,R74,R73,R72,R71,R70,R69,R6,R111,R34,R29,	
24	100k	R7,R3,R2,R1,R122,R100,R75,R191	R AXIAL-0.3
9	200k	R28,R8,R91,R90,R87,R86,R132,R96,R81	R AXIAL-0.3
3	330k	R47,R22,R185	R AXIAL-0.3
3	470k	R97,R93,R84	R AXIAL-0.3
2	560k	R21,R15	R AXIAL-0.3
6	1M	R114,R98,R48,R43,R23,R17	R AXIAL-0.3
2	1.5M	R45,R19	R AXIAL-0.3
Capacitors 3	47u	C43,C4,C3	CAP-D6.3-F2.5
2	1n Polystyrene	C13,C5	CAPACITOR-0.10.4
6	100pf	C53,C52,C51,C46,C45,C44	RAD-0.1
2 4	1n	C15,C11 C22,C21,C9,C6	RAD-0.1 RAD-0.1
20	10n 100n	C59,C57,C56,C55,C54,C40,C39,C38,C37,C36,C34,C27,C26,C23,C20,C17,C10,C8,C2,C1	RAD-0.1
Transistor	s / Diodes		
1	2N5457	Q1	TO-92
8	2N3904	Q16,Q15,Q14,Q7,Q6,Q5,Q4,Q2	TO-92
8	2N3906	Q3,Q8,Q9,Q10,Q11,Q12,Q13,Q17	TO-92
2	1N4001	D1,D2	DO-41_BD2.4-L4.7-P8.70-D0.9-RD
5	1N4148	D3,D5,D4,D6,D7	DO-35_BD2.0-L4.0-P8.00-D0.5-FD
Controls		Territoria.	
1	MINI TOGGLE On/Off/On	SYNC2	MINI SPDT On/Off/On
1	MINI TOGGLE On/On	SYNC1,1V/O LINK	MINI SPDT On/On
2	140 4 1		T11 000011
2	V/O trim	TRIM2_10K,TRIM4_10K	TH_3296W
2 2 2	Hftrim	TRIM2_10K,TRIM4_10K TRIM1_20K,TRIM3_20K	TH_3296W
2		TRIM2_10K,TRIM4_10K	
2 2 2 2	Hftrim	TRIM2_10K,TRIM4_10K TRIM1_20K,TRIM3_20K	TH_3296W
2 2 2 2	Hftrim	TRIM2_10K,TRIM4_10K TRIM1_20K,TRIM3_20K	TH_3296W
2 2 2 2	Hftrim SineSymmetry	TRIM2_10K,TRIM4_10K TRIM1_20K,TRIM3_20K	TH_3296W TH_3296W
2 2 2 2 2	Hftrim SineSymmetry IC Socket 16pin	TRIM2_10K,TRIM4_10K TRIM1_20K,TRIM3_20K	TH_3296W TH_3296W
2 2 2 2 2 ICs	Hftrim SineSymmetry IC Socket 16pin IC Socket 14pin	TRIM2_10K,TRIM4_10K TRIM1_20K,TRIM3_20K	TH_3296W TH_3296W DIP16 DIP14
2 2 2 2 2 1Cs 5 8	Hftrim SineSymmetry IC Socket 16pin IC Socket 14pin IC Socket 8pin	TRIM2_10K,TRIM4_10K TRIM1_20K,TRIM3_20K TRIM5_100K,TRIM6_100K	TH_3296W TH_3296W DIP16 DIP14 DIP8
2 2 2 2 2 1Cs 5 8 1	Hftrim SineSymmetry IC Socket 16pin IC Socket 14pin IC Socket 8pin CEM/AS3340	TRIM2_10K,TRIM4_10K TRIM1_20K,TRIM3_20K TRIM5_100K,TRIM6_100K U6,U2	TH_3296W TH_3296W DIP16 DIP14 DIP8 DIP16
2 2 2 2 2 1 1 1	Hftrim SineSymmetry IC Socket 16pin IC Socket 14pin IC Socket 8pin CEM/AS3340 CD4094	TRIM2_10K,TRIM4_10K TRIM1_20K,TRIM3_20K TRIM5_100K,TRIM6_100K U6,U2 U11	TH_3296W TH_3296W DIP16 DIP14 DIP8 DIP16 DIP16 DIP16 DIP16
2 2 2 2 2 1 5 8 1 2 1 1	Hftrim SineSymmetry IC Socket 16pin IC Socket 14pin IC Socket 8pin CEM/AS3340 CD4094 CD4070	TRIM2_10K,TRIM4_10K TRIM1_20K,TRIM3_20K TRIM5_100K,TRIM6_100K U6,U2 U11 U4	TH_3296W TH_3296W DIP16 DIP14 DIP8 DIP16 DIP16 DIP16 DIP16 DIP16 DIP114
2 2 2 2 2 ICs 5 8 1 2 1 1	Hftrim SineSymmetry IC Socket 16pin IC Socket 14pin IC Socket 8pin CEM/AS3340 CD4094 CD40970 LM13700N	TRIM2_10K,TRIM4_10K TRIM1_20K,TRIM3_20K TRIM5_100K,TRIM6_100K U6,U2 U11 U4 U8,U12	TH_3296W TH_3296W DIP16 DIP14 DIP8 DIP16 DIP16 DIP16 DIP16 DIP16 DIP16 DIP16 DIP16
2 2 2 2 2 ICs 5 8 1 2 1 2	Hftrim SineSymmetry IC Socket 16pin IC Socket 14pin IC Socket 8pin CEM/AS3340 CD4094 CD4094 CD4070 LM13700N TL074	TRIM2_10K,TRIM4_10K TRIM1_20K,TRIM3_20K TRIM5_100K,TRIM6_100K U6,U2 U11 U4 U8,U12 U1,U3,U7,U9,U13,U15,U16	TH_3296W TH_3296W DIP16 DIP14 DIP8 DIP16 DIP16 DIP16 DIP16 DIP16 DIP16 DIP14 DIP16 DIP14 DIP16 DIP14
2 2 2 2 2 ICs 5 8 1 2 1 1 2 7 1	Hftrim SineSymmetry IC Socket 16pin IC Socket 14pin IC Socket 8pin CEM/AS3340 CD4094 CD4094 CD4070 LM13700N TL074 TL072	TRIM2_10K,TRIM4_10K TRIM1_20K,TRIM3_20K TRIM5_100K,TRIM6_100K U6,U2 U11 U4 U8,U12 U1,U3,U7,U9,U13,U15,U16 U10	TH_3296W TH_3296W DIP16 DIP14 DIP8 DIP16 DIP16 DIP16 DIP16 DIP16 DIP14 DIP18 DIP18
2 2 2 2 2 ICs 5 8 1 2 1 2	Hftrim SineSymmetry IC Socket 16pin IC Socket 14pin IC Socket 8pin CEM/AS3340 CD4094 CD4070 LM13700N TL074 TL072	TRIM2_10K,TRIM4_10K TRIM1_20K,TRIM3_20K TRIM5_100K,TRIM6_100K U6,U2 U11 U4 U8,U12 U1,U3,U7,U9,U13,U15,U16	TH_3296W TH_3296W DIP16 DIP14 DIP8 DIP16 DIP16 DIP16 DIP16 DIP16 DIP16 DIP14 DIP16 DIP14 DIP16 DIP14