

Polymorph VCO

TimMJN

Rev: 1.0

20-05-2024



	Sour ced	Plac ed	References	Value	Notes	Qu an ti ty
1	<input type="checkbox"/>	<input type="checkbox"/>	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C22, C25, C26, C27, C28, C36, C37, C40, C41	100nF	ceramic	28
2	<input type="checkbox"/>	<input type="checkbox"/>	C34, C35, C38, C39, C42	100pF	ceramic	5
3	<input type="checkbox"/>	<input type="checkbox"/>	C21, C23, C24	10nF	film	3
4	<input type="checkbox"/>	<input type="checkbox"/>	C29, C30	330nF	electrolytic	2
5	<input type="checkbox"/>	<input type="checkbox"/>	C32, C33	10uF	electrolytic	2
6	<input type="checkbox"/>	<input type="checkbox"/>	C20	3.9nF	timing cap, film type	1
7	<input type="checkbox"/>	<input type="checkbox"/>	C31	10uF	film or MLCC	1
8	<input type="checkbox"/>	<input type="checkbox"/>	R7, R15, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R46, R49, R50, R51, R52, R53, R54, R56, R57, R58, R75, R76, R79, R80, R83, R84, R85, R86, R98, R99, R100	100k	1/4 W	33
9	<input type="checkbox"/>	<input type="checkbox"/>	R16, R19, R22, R55, R63, R65, R90, R92, R106, R111, R112, R113, R114, R115, R116, R117, R118, R121, R122, R124	10k	1/4 W	20
10	<input type="checkbox"/>	<input type="checkbox"/>	R10, R11, R13, R14, R29, R30, R31, R32, R33, R34, R70, R71, R72, R73	47k	1/4 W	14
11	<input type="checkbox"/>	<input type="checkbox"/>	R47, R64, R66, R81, R82, R89, R91, R94, R95, R97, R105, R110, R119, R120	20k	1/4 W	14
12	<input type="checkbox"/>	<input type="checkbox"/>	R28, R45, R60, R61, R62, R74, R77, R78, R101, R102, R103, R104, R123	1k	1/4 W	13
13	<input type="checkbox"/>	<input type="checkbox"/>	R1, R2, R3, R4, R5	10k 0.1%	1/4 W, matched	5
14	<input type="checkbox"/>	<input type="checkbox"/>	R68, R69, R96	39k	1/4 W	3
15	<input type="checkbox"/>	<input type="checkbox"/>	R6, R8	220k	1/4 W	2
16	<input type="checkbox"/>	<input type="checkbox"/>	R18, R59	22k	1/4 W	2
17	<input type="checkbox"/>	<input type="checkbox"/>	R20, R21	51k	1/4 W	2
18	<input type="checkbox"/>	<input type="checkbox"/>	R23, R24	4.7k 1%	1/4 W, matched	2
19	<input type="checkbox"/>	<input type="checkbox"/>	R25, R67	12k	1/4 W	2
20	<input type="checkbox"/>	<input type="checkbox"/>	R87, R88	10R	1/4 W	2
21	<input type="checkbox"/>	<input type="checkbox"/>	R108, R109	4.7k	1/4 W	2

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22	<input type="checkbox"/>	<input type="checkbox"/>	R9	1M	1/4 W	1
23	<input type="checkbox"/>	<input type="checkbox"/>	R17	1.5M	1/4 W	1
24	<input type="checkbox"/>	<input type="checkbox"/>	R26	270k	1/4 W	1
25	<input type="checkbox"/>	<input type="checkbox"/>	R27	3.9k	1/4 W	1
26	<input type="checkbox"/>	<input type="checkbox"/>	R48	270R	1/4 W	1
27	<input type="checkbox"/>	<input type="checkbox"/>	R93	100R	1/4 W	1
28	<input type="checkbox"/>	<input type="checkbox"/>	R107	500k	1/4 W	1
29	<input type="checkbox"/>	<input type="checkbox"/>	D1, D2, D3, D4, D5, D6, D7, D8, D9, D13, D14	1N5817	Schottky diode	11
30	<input type="checkbox"/>	<input type="checkbox"/>	D10, D11, D12, D15, D16	LED	3mm LED	5
31	<input type="checkbox"/>	<input type="checkbox"/>	D17, D18	1N4148	Signal diode	2
32	<input type="checkbox"/>	<input type="checkbox"/>	U1, U2, U3, U4, U5, U6	TL074	or TL084	6
33	<input type="checkbox"/>	<input type="checkbox"/>	U7, U8, U18	TL072	or TL072	3
34	<input type="checkbox"/>	<input type="checkbox"/>	U9, U10	LM4040LP-2.5	T0-92	2
35	<input type="checkbox"/>	<input type="checkbox"/>	U11	SSI2130	DAB2130 breakout board recommended	1
36	<input type="checkbox"/>	<input type="checkbox"/>	U12	4013	DIP	1
37	<input type="checkbox"/>	<input type="checkbox"/>	U13	MCP6004	DIP	1
38	<input type="checkbox"/>	<input type="checkbox"/>	U14	MCP6002	DIP	1
39	<input type="checkbox"/>	<input type="checkbox"/>	U15	L78L05	T0-92	1
40	<input type="checkbox"/>	<input type="checkbox"/>	U16	L79L05	T0-92	1
41	<input type="checkbox"/>	<input type="checkbox"/>	U17	LM311	DIP	1
42	<input type="checkbox"/>	<input type="checkbox"/>	SW2, SW3	SW_SPDT	SPDT toggle switch	2
43	<input type="checkbox"/>	<input type="checkbox"/>	SW1	SW_Rotary12	SP12T rotary switch	1
44	<input type="checkbox"/>	<input type="checkbox"/>	SW4	SW_SP3T	SP3T on-on-on	1
45	<input type="checkbox"/>	<input type="checkbox"/>	RV1, RV2, RV3, RV4, RV5, RV8, RV9, RV10, RV15, RV16, RV17	B100k	Alpha 9mm pot	11
46	<input type="checkbox"/>	<input type="checkbox"/>	RV11, RV12, RV13, RV19, RV20	B10k	SR PASSIVES CDE23N-60-B10K 60mm fader	5
47	<input type="checkbox"/>	<input type="checkbox"/>	RV6, RV7, RV14	5k	multiturn trimpot	3
48	<input type="checkbox"/>	<input type="checkbox"/>	Q1	2N7000	T0-92	1
49	<input type="checkbox"/>	<input type="checkbox"/>	RV18	B50k	Alpha 9mm pot	1
50	<input type="checkbox"/>	<input type="checkbox"/>	RV21	500R	multiturn trimpot	1
51	<input type="checkbox"/>	<input type="checkbox"/>	J1, J2, J3, J4, J5, J6, J7, J8, J9, J10, J11, J12, J13, J14, J16, J17, J18	AudioJack	1/4 inch TS audio jack	17

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52	<input type="checkbox"/>	<input type="checkbox"/>	J19, J20	Conn_01x03	header pins, male-female pair	2
53	<input type="checkbox"/>	<input type="checkbox"/>	J21, J22	Conn_01x08	header pins, male-female pair	2
54	<input type="checkbox"/>	<input type="checkbox"/>	J23, J24	Conn_01x14	header pins, male-female pair	2
55	<input type="checkbox"/>	<input type="checkbox"/>	J25, J26	Conn_01x12	header pins, male-female pair	2
56	<input type="checkbox"/>	<input type="checkbox"/>	J27, J28	Conn_01x16	header pins, male-female pair	2
57	<input type="checkbox"/>	<input type="checkbox"/>	J15	Conn_02x05	2x5 IDC box header	1