

ZLOB MODULAR- Diode Chaos BOM

notes:

1 of the red leds(the led that goes on the mother board)is the nonlinear element, partially creating the chaos. you can try other colors or diodes. but the circuit has not been tested with all led/diode variables and can result in different behavior than shown/expected.

Qty	Value	Device	Package	Parts	mouser #
4	0.1uf	CAPACITOR	(mlcc)		594-K104K15X7RF53L2
3	2.2uf	CAPACITOR	(non/bi-polar)		140-RN2R2K1HBK0511P
2	10uf	CAPACITOR-POL5MMX2MM	(electrolytic)		647-USR1E100MDD
5	1M	RESISTORRES-HOR-0.4	RES-HOR-0.4(1/4watt 1% or 5%)		(tayda)
4	100k	RESISTOR.1	RES-VERT-.1	R1, R6, R11, R17	
4	1k	RESISTORRES-HOR-0.4	RES-HOR-0.4	R1, R9, R10, R11	
3	75k	RESISTOR.1	RES-VERT-.1	R2, R7, R12	
3	47k	RESISTOR.1	RES-VERT-.1	R4, R9, R14	
3	22k	RESISTOR.1	RES-VERT-.1	R3, R8, R13	
3	15k	RESISTOR.1	RES-VERT-.1	R5, R10, R15	
2	470k	RESISTORRES-HOR-0.4	RES-HOR-0.4	R7, R8	
1	20k	RESISTOR.1	RES-VERT-.1	R16	
1	tl072	OPAMP/DUALDIP	8-DIP	U2	(all actives from tayda)
1	tl074	OPAMP/QUAD	14-PDIP	U1	
4	2N3904	NPN transistor	T092	T1, T2, T3, T4	
5	red	LED3MM			
3	blue	LED3MM	LED3MM	U\$1, U\$6, U\$10	
2	1N4001	diode	D041-10	D1, D2	DIODE
1	B1M	9MM vertical alpha (t18 shaft) (i sell pots, knobs, and jacks)			
1	black befac	micro knob			
1	pot washer				
1	pot nut				
4	qingpu/thonkiconn	jacks			
4	jack nuts				
1	10 pin right angle dual row male header	(headers from tayda)			
1	5 pin right angle male header				
1	4 pin right angle male header				
1	2 pin right angle male header				
1	8pin dip socket				
1	14pin dip socket				
2	m3 nylon screws				
1	ribbon cable				
1	panel				
2	pcbs(top and mother)				