

Euclidean Rhythm Generator

TimMJN

Rev: 1.01

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	Sour ced	Plac ed	References	Notes	Value	Quant ity
1	<input type="checkbox"/>	<input type="checkbox"/>	C2, C5, C6, C8, C11, C12, C14, C16, C17, C20, C23, C24	Ceramic	10nF	12
2	<input type="checkbox"/>	<input type="checkbox"/>	C3, C4, C9, C10, C15, C21, C26	Ceramic	100nF	7
3	<input type="checkbox"/>	<input type="checkbox"/>	C18	Ceramic	220nF	1
4	<input type="checkbox"/>	<input type="checkbox"/>	C1, C7, C13, C19, C22, C27	Electrolytic	10uF	6
5	<input type="checkbox"/>	<input type="checkbox"/>	C25	Electrolytic	330nF	1
6	<input type="checkbox"/>	<input type="checkbox"/>	R1, R2, R3, R5, R7, R8, R9, R10, R11, R13, R14, R17, R19, R20, R21, R22, R24, R25, R26, R27, R28, R30, R33, R34, R35, R36, R40, R41, R42, R43, R45, R50, R51, R53, R54, R55, R56	1/4 W	10k	37
7	<input type="checkbox"/>	<input type="checkbox"/>	R4, R12, R18, R29, R37, R47	1/4 W	1k	6
8	<input type="checkbox"/>	<input type="checkbox"/>	R15, R32, R44, R58	1/4 W	4k7	4
9	<input type="checkbox"/>	<input type="checkbox"/>	R38, R48	1/4 W	100k	2
10	<input type="checkbox"/>	<input type="checkbox"/>	R39, R49	1/4 W	1M	2
11	<input type="checkbox"/>	<input type="checkbox"/>	R52, R57	1/4 W	10R	2
12	<input type="checkbox"/>	<input type="checkbox"/>	D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D19, D20, D21, D22, D23, D24, D25, D26, D27, D28, D29, D30, D31, D32, D33, D34, D37, D38, D39, D40, D41, D42, D43, D44, D45, D46, D47, D48, D49, D50, D51, D52, D53, D57, D58, D59, D60, D61, D62, D63, D64, D65, D66, D67, D68, D69, D70, D71, D72	3 mm	LED	65
13	<input type="checkbox"/>	<input type="checkbox"/>	D54, D56	Schottky diode	1N5817	2
14	<input type="checkbox"/>	<input type="checkbox"/>	U6	5v regulator	L7805	1
15	<input type="checkbox"/>	<input type="checkbox"/>	U3	IO expander	MCP23017_SP	1
16	<input type="checkbox"/>	<input type="checkbox"/>	U1, U2, U4, U5	LED driver	TLC5940NT	4
17	<input type="checkbox"/>	<input type="checkbox"/>	SW1, SW2, SW3, SW5	EC-11 rotary encoder with switch	Rotary_Encoder_Switch	4
18	<input type="checkbox"/>	<input type="checkbox"/>	SW4	PBS-110	SW_Push	1
19	<input type="checkbox"/>	<input type="checkbox"/>	A1	Arduino Nano	Arduino_Nano	1
20	<input type="checkbox"/>	<input type="checkbox"/>	Q1, Q2, Q3, Q4, Q5, Q6	NPN BJT transistor	2N3904	6
21	<input type="checkbox"/>	<input type="checkbox"/>	J10	1x10 female header	Conn_01x10	1
22	<input type="checkbox"/>	<input type="checkbox"/>	J11	1x10 male header	Conn_01x10	1
23	<input type="checkbox"/>	<input type="checkbox"/>	J8, J12, J14	1x6 female header	Conn_01x06	3
24	<input type="checkbox"/>	<input type="checkbox"/>	J9, J13, J15	1x6 male header	Conn_01x06	3
25	<input type="checkbox"/>	<input type="checkbox"/>	J7	2x5 IDC box header	Conn_02x05	1
26	<input type="checkbox"/>	<input type="checkbox"/>	J1, J2, J3, J4, J5, J6	6.35 mm audio jack	AudioJack	6